

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100819\
 Data File : VW013487.D
 Acq On : 08 Oct 2019 15:27
 Operator : SY/VA
 Sample : VW1008SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/9/2019 4:09:49 PM

Quant Time: Oct 09 06:32:33 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	301286	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	362849	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	185272	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	113613	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
35) Dibromofluoromethane	7.88	113	113658	47.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.80%	
50) Toluene-d8	10.32	98	481237	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.62	95	162838	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	23068	23.115	ug/l	96
3) Chloromethane	2.21	50	39313	22.411	ug/l	96
4) Vinyl Chloride	2.36	62	55680	21.519	ug/l	99
5) Bromomethane	2.77	94	31778	20.583	ug/l	100
6) Chloroethane	2.91	64	30133	20.737	ug/l	99
7) Trichlorofluoromethane	3.25	101	24969	20.395	ug/l	99
8) Diethyl Ether	3.68	74	28088	22.166	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51977	20.600	ug/l	97
10) Methyl Iodide	4.26	142	81902	20.499	ug/l	99
11) Tert butyl alcohol	5.20	59	25762	147.911	ug/l	97
12) 1,1-Dichloroethene	4.04	96	52569	20.104	ug/l	99
13) Acrolein	3.89	56	26428	128.628	ug/l	100
14) Allyl chloride	4.67	41	81764	20.347	ug/l	100
15) Acrylonitrile	5.36	53	72749	122.835	ug/l	99
16) Acetone	4.13	43	63436	117.110	ug/l	99
17) Carbon Disulfide	4.38	76	149332	20.345	ug/l	98
18) Methyl Acetate	4.67	43	37404	24.106	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	86567	21.893	ug/l	98
20) Methylene Chloride	4.92	84	61983	21.340	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	58139	20.924	ug/l	96
22) Diisopropyl ether	6.31	45	155327	20.630	ug/l	97
23) Vinyl Acetate	6.25	43	513135	113.520	ug/l	100
24) 1,1-Dichloroethane	6.21	63	95746	20.806	ug/l	100
25) 2-Butanone	7.17	43	96393	120.747	ug/l	98
26) 2,2-Dichloropropane	7.16	77	61963	20.887	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	60825	20.688	ug/l	98
28) Bromochloromethane	7.51	49	27343	16.982	ug/l #	100
29) Tetrahydrofuran	7.53	42	61782	126.627	ug/l	99
30) Chloroform	7.68	83	92942	20.880	ug/l	98
31) Cyclohexane	7.95	56	99805	20.491	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	75821	20.954	ug/l	99
36) 1,1-Dichloropropene	8.08	75	80408	20.920	ug/l	99
37) Ethyl Acetate	7.25	43	41965	24.064	ug/l	97
38) Carbon Tetrachloride	8.07	117	71327	20.934	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106918	21.471	ug/l	98
40) Benzene	8.32	78	223845	20.863	ug/l	100
41) Methacrylonitrile	7.48	41	26280	26.501	ug/l	95
42) 1,2-Dichloroethane	8.40	62	59817	22.057	ug/l	98
43) Isopropyl Acetate	8.42	43	74668	23.700	ug/l	97
44) Trichloroethene	9.09	130	63853	20.862	ug/l	98
45) 1,2-Dichloropropane	9.37	63	53802	20.892	ug/l	99
46) Dibromomethane	9.46	93	28291	22.052	ug/l	100
47) Bromodichloromethane	9.65	83	65729	20.611	ug/l	98
48) Methyl methacrylate	9.43	41	37042	23.868	ug/l	98
49) 1,4-Dioxane	9.46	88	11431	507.447	ug/l #	97
51) 4-Methyl-2-Pentanone	10.21	43	201798	121.830	ug/l	99
52) Toluene	10.38	92	147013	21.272	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	72018	21.733	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	84294	20.996	ug/l	95
55) 1,1,2-Trichloroethane	10.79	97	42311	21.972	ug/l	98
56) Ethyl methacrylate	10.65	69	59462	22.927	ug/l	97
57) 1,3-Dichloropropane	10.93	76	73774	22.311	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127611	104.293	ug/l	100
59) 2-Hexanone	10.97	43	139995	123.254	ug/l	99
60) Dibromochloromethane	11.13	129	48411	21.861	ug/l	98
61) 1,2-Dibromoethane	11.23	107	41281	22.538	ug/l	99
64) Tetrachloroethene	10.86	164	55415	20.751	ug/l	94
65) Chlorobenzene	11.66	112	153220	21.251	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	52166	20.829	ug/l	99
67) Ethyl Benzene	11.73	91	276251	20.963	ug/l	99
68) m/p-Xylenes	11.84	106	211082	42.098	ug/l	97
69) o-Xylene	12.16	106	98073	21.171	ug/l	100
70) Styrene	12.18	104	169512	21.312	ug/l	99
71) Bromoform	12.35	173	30677	22.325	ug/l #	98
73) Isopropylbenzene	12.46	105	274547	20.688	ug/l	99
74) N-amyl acetate	12.27	43	66273	22.833	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51522	22.777	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	33127m	21.469	ug/l	
77) Bromobenzene	12.74	156	65183	20.721	ug/l	96
78) n-propylbenzene	12.80	91	322002	20.983	ug/l	100
79) 2-Chlorotoluene	12.89	91	180790	21.027	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	227655	20.646	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16474	21.824	ug/l	96
82) 4-Chlorotoluene	12.99	91	185925	20.835	ug/l	100
83) tert-Butylbenzene	13.21	119	206026	21.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	226487	20.768	ug/l	97
85) sec-Butylbenzene	13.38	105	286506	21.174	ug/l	99
86) p-Isopropyltoluene	13.50	119	262546	21.119	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	125783	21.088	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	124068	21.233	ug/l	99
89) n-Butylbenzene	13.82	91	235930	21.008	ug/l	100
90) Hexachloroethane	14.09	117	44815	21.068	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	113791	21.607	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.48	75	8265	22.919	ug/l	97

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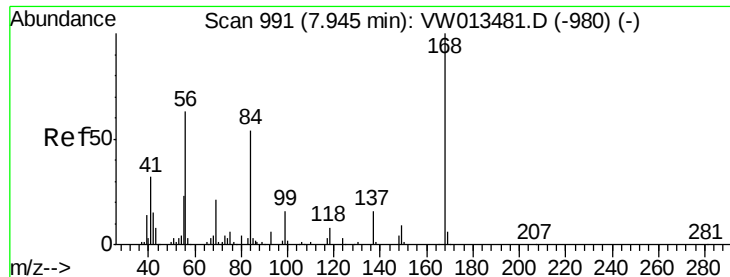
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	79362	21.323	ug/l	98
94) Hexachlorobutadiene	15.23	225	53490	21.626	ug/l	98
95) Naphthalene	15.36	128	149918	23.286	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	70994	21.813	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion:168 Resp: 301286

Ion Ratio Lower Upper

168 100

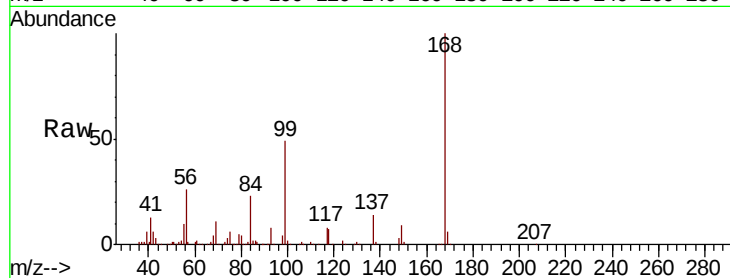
99 49.1 38.3 57.5

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

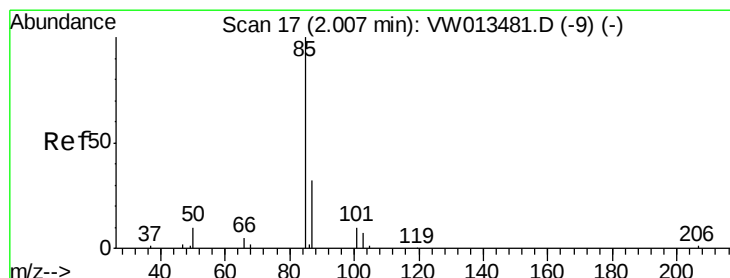
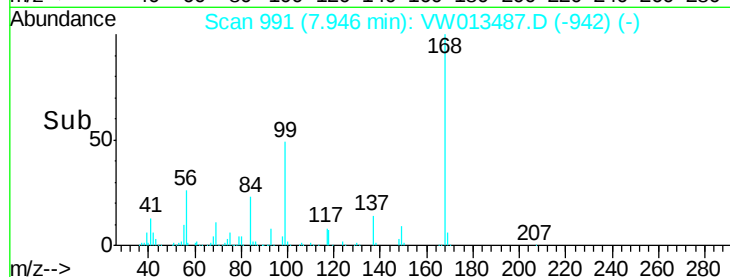
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 23.115 ug/l

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW013487.D

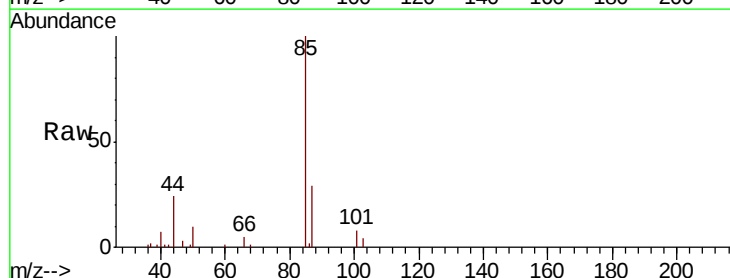
Acq: 08 Oct 2019 15:27

Tgt Ion: 85 Resp: 23068

Ion Ratio Lower Upper

85 100

87 29.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

8000

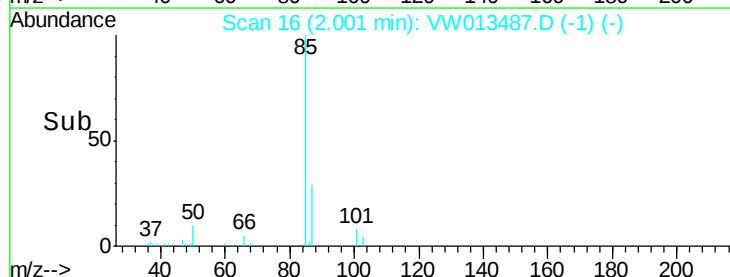
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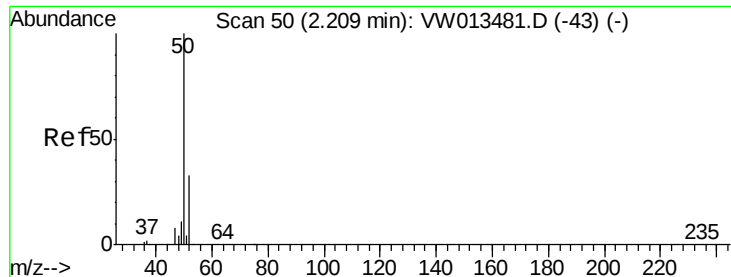
4000

2000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.411 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 50 Resp: 39313

Ion Ratio Lower Upper

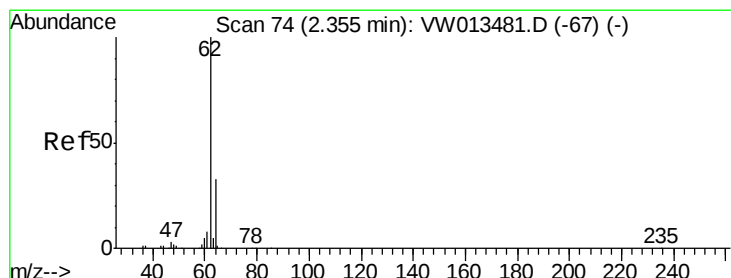
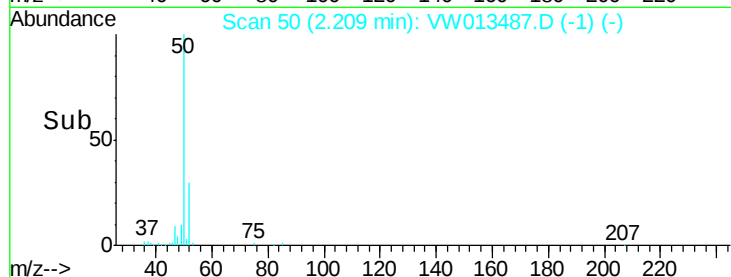
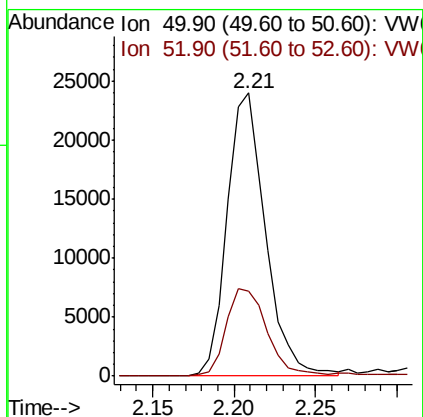
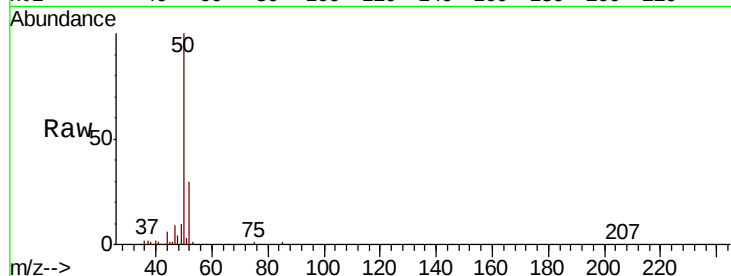
50 100

52 30.2 26.0 39.0

Manual Integrations
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#4

Vinyl Chloride

Concen: 21.519 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013487.D

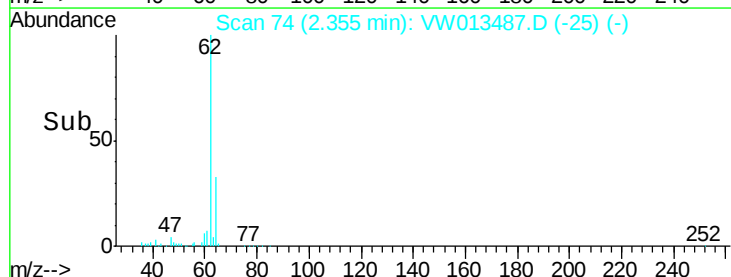
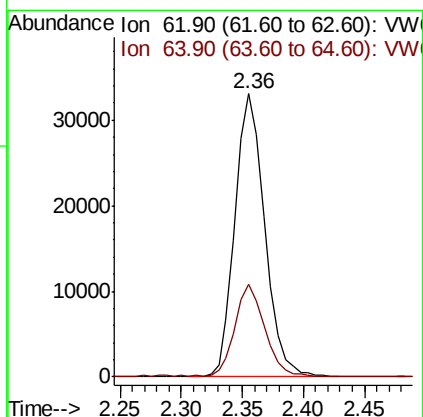
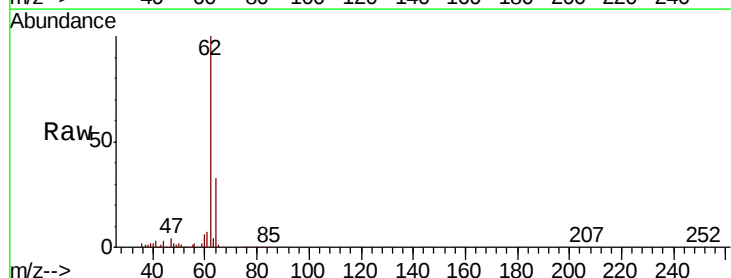
Acq: 08 Oct 2019 15:27

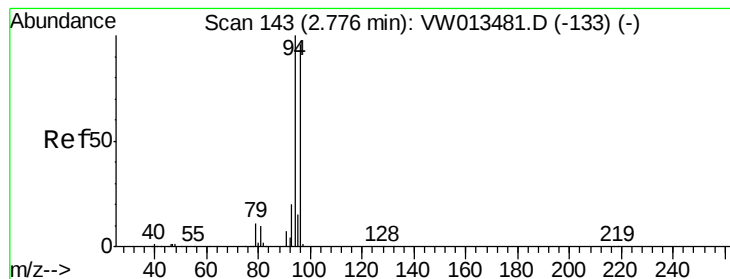
Tgt Ion: 62 Resp: 55680

Ion Ratio Lower Upper

62 100

64 32.9 26.6 39.8





#5

Bromomethane

Concen: 20.583 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 94 Resp: 31778

Ion Ratio Lower Upper

94 100

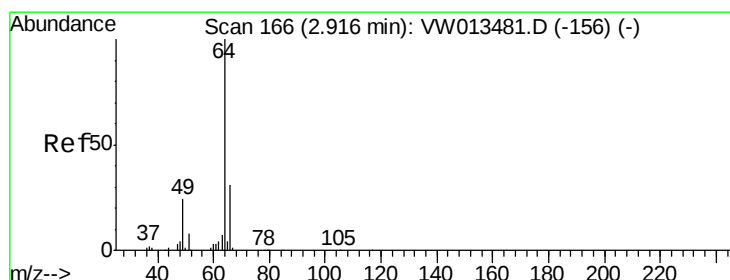
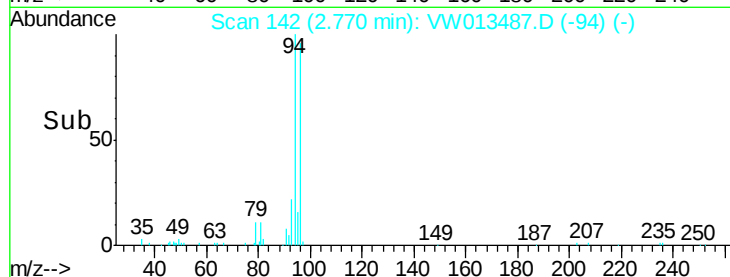
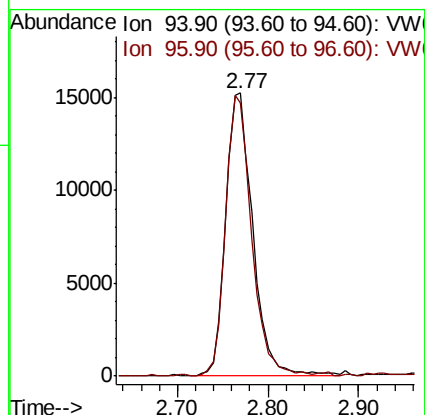
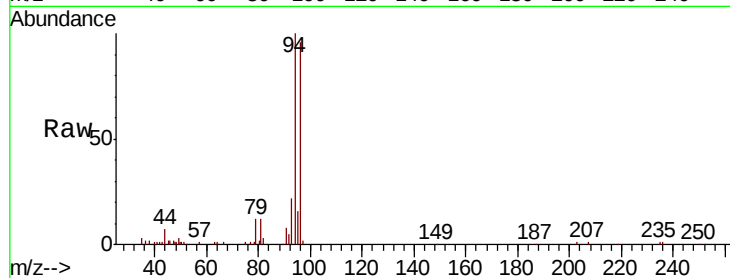
96 96.3 77.0 115.6

Manual Integrations

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#6

Chloroethane

Concen: 20.737 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013487.D

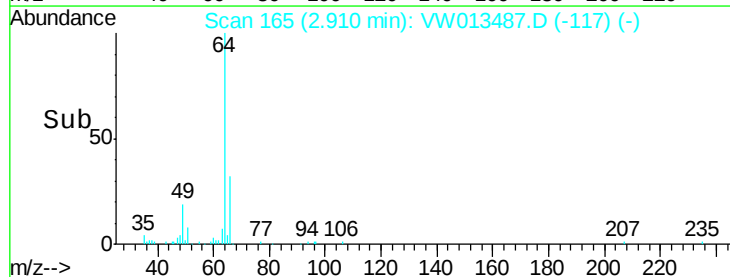
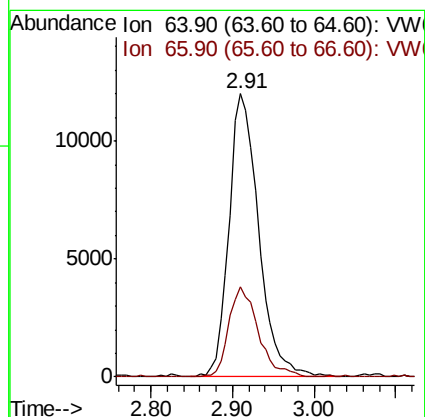
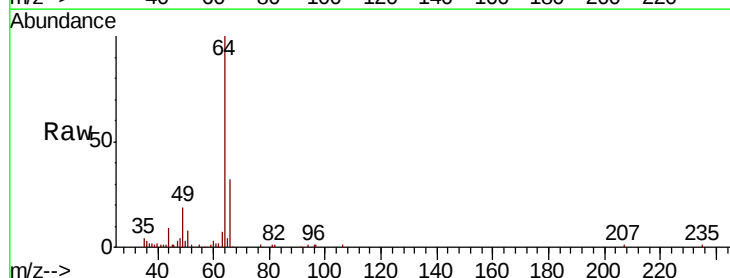
Acq: 08 Oct 2019 15:27

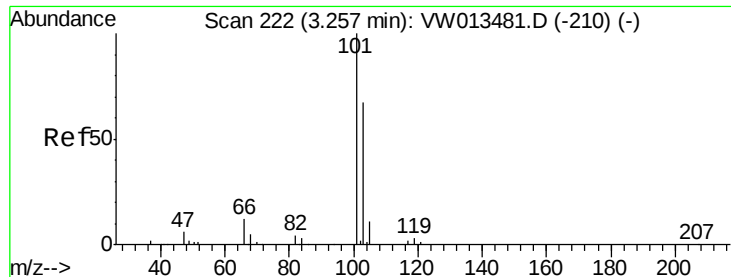
Tgt Ion: 64 Resp: 30133

Ion Ratio Lower Upper

64 100

66 31.8 25.0 37.4





#7

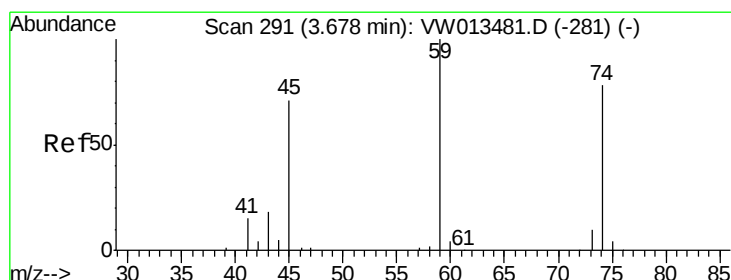
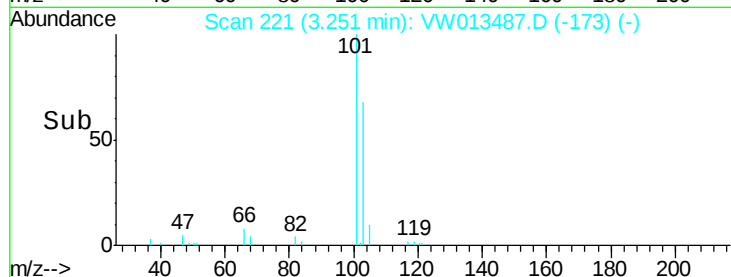
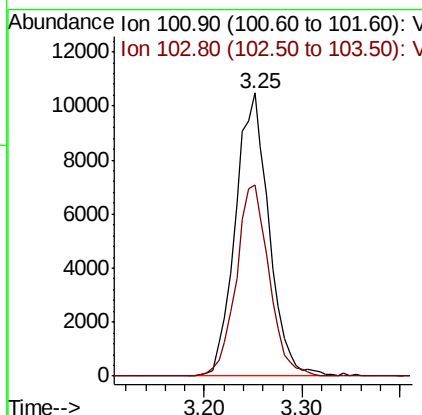
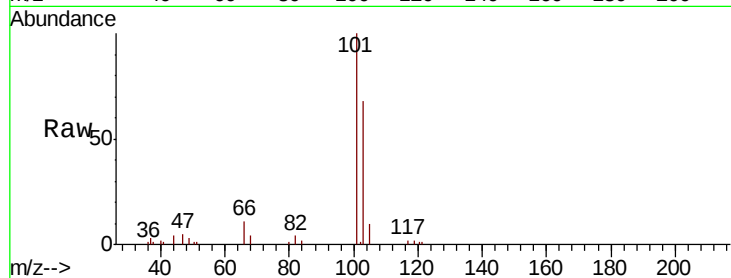
Trichlorofluoromethane
 Concen: 20.395 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
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 VW1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		24969		
103	67.6	53.7	80.5		

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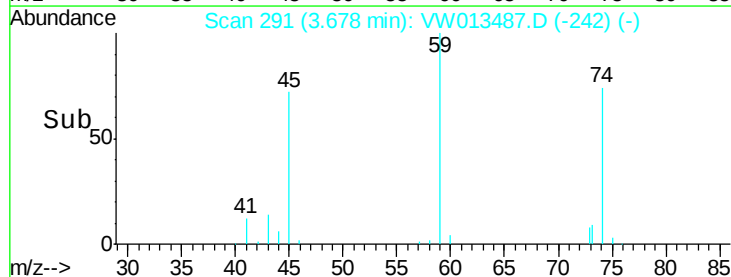
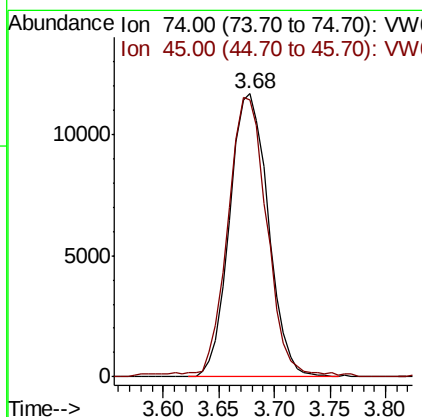
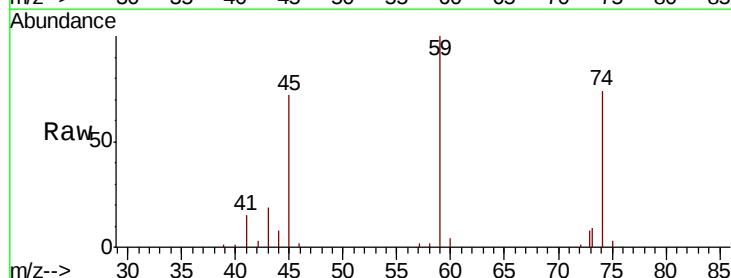
MMDadoda
 10/9/2019 4:09:49 PM

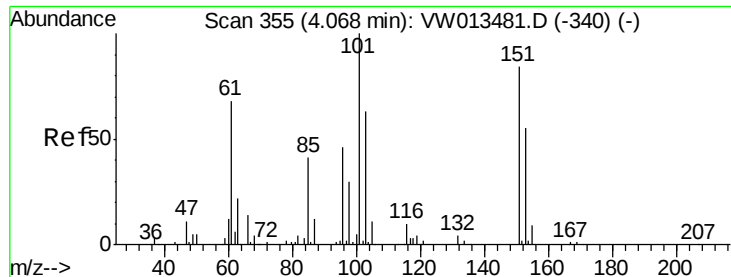


#8

Diethyl Ether
 Concen: 22.166 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		28088		
45	100.3	50.0	150.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.600 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

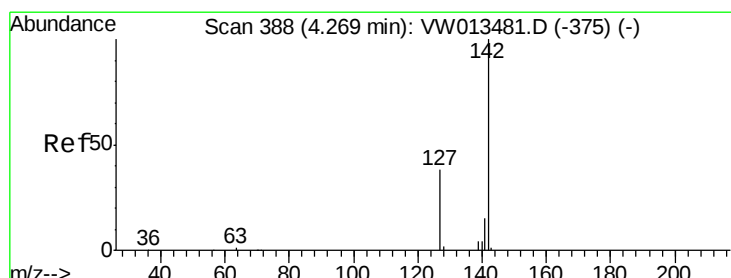
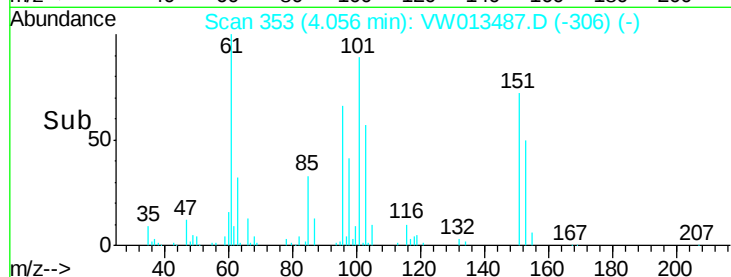
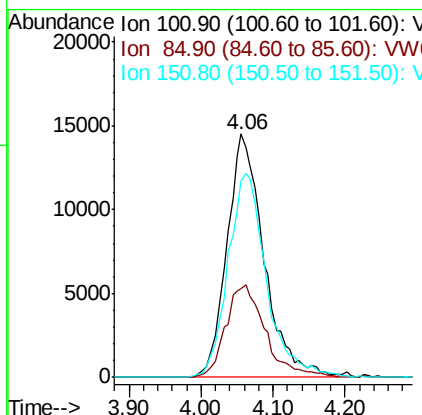
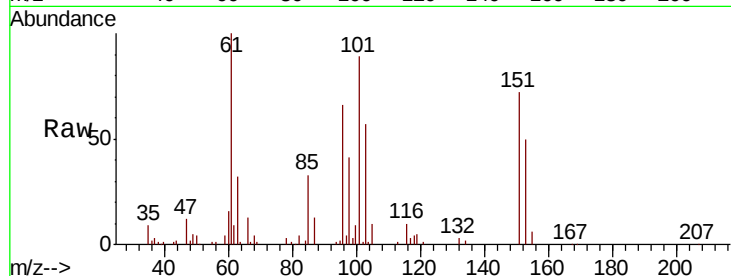
ClientSampleId :

VW1008SBS01

Tot Ion:	101	Resp:	51977
Ion Ratio	Lower	Upper	
101	100		
85	40.6	31.6	47.4
151	87.0	67.5	101.3

Manual Integrations
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#10

Methyl Iodide

Concen: 20.499 ug/l

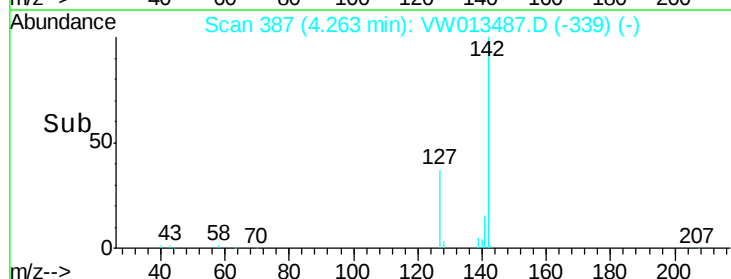
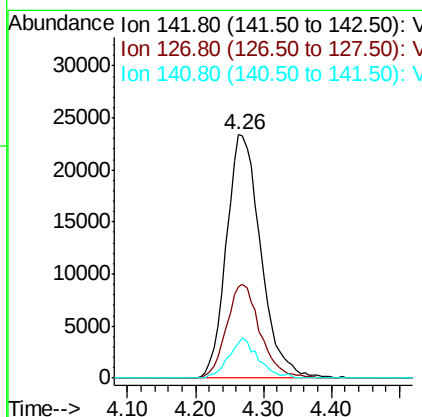
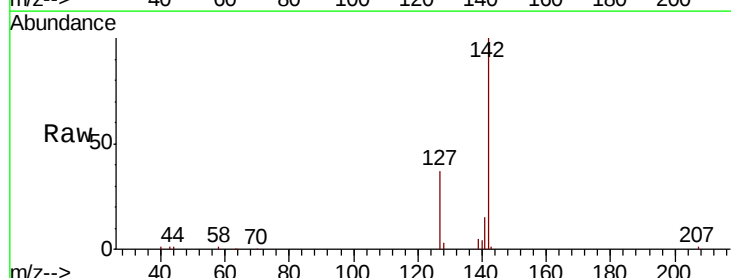
RT: 4.26 min Scan# 387

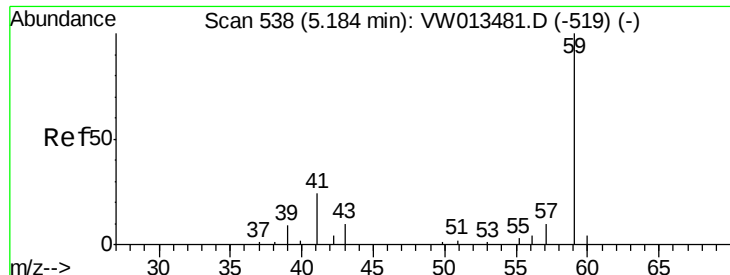
Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	142	Resp:	81902
Ion Ratio	Lower	Upper	
142	100		
127	37.6	29.6	44.4
141	14.2	12.1	18.1





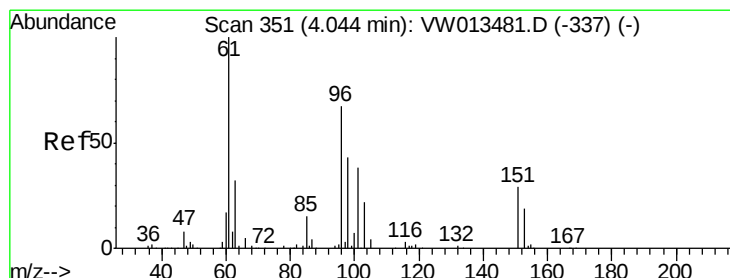
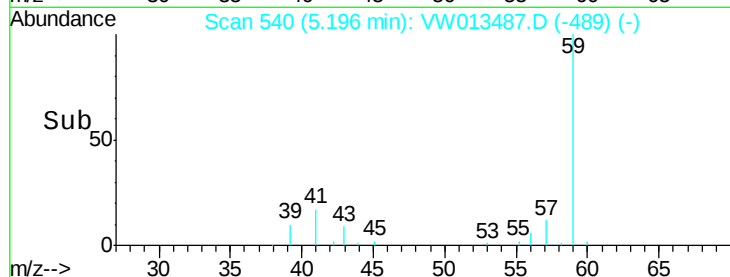
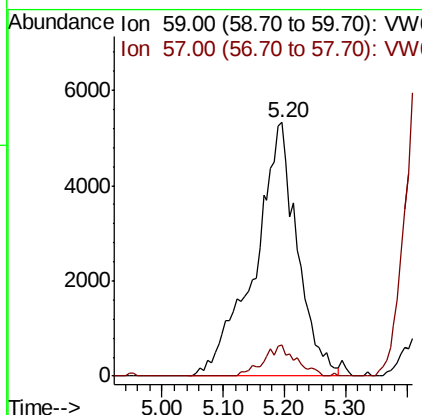
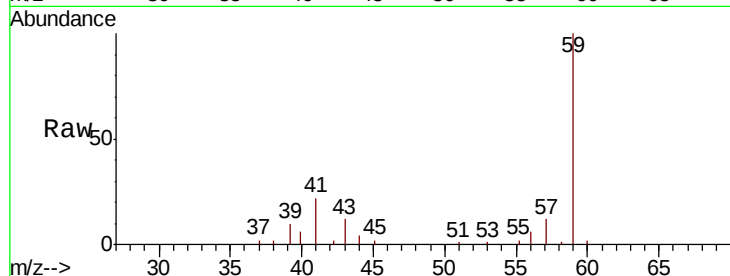
#11
Tert butyl alcohol
Concen: 147.911 ug/l
RT: 5.20 min Scan# 540
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion: 59 Resp: 25762
Ion Ratio Lower Upper
59 100
57 9.3 8.2 12.4

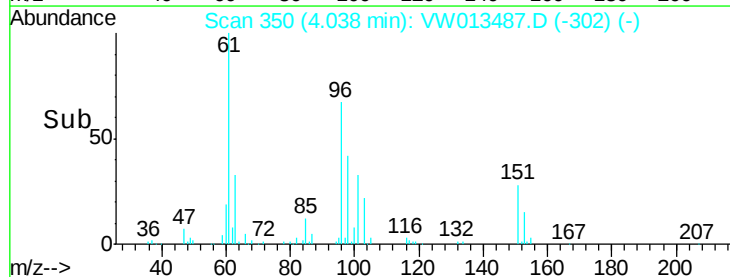
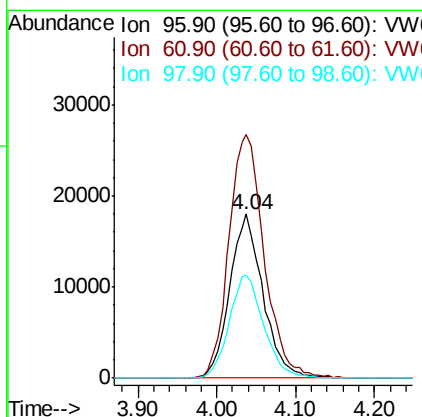
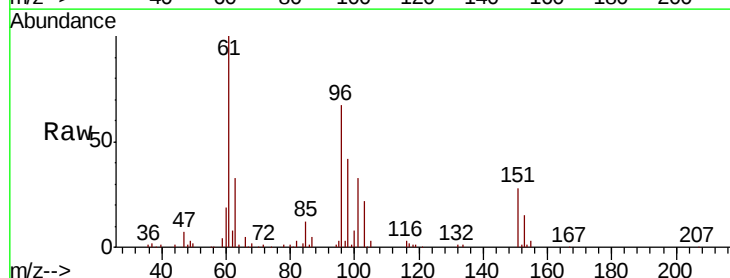
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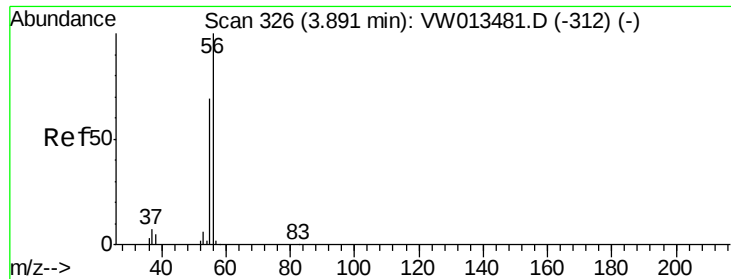
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#12
1,1-Dichloroethene
Concen: 20.104 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion: 96 Resp: 52569
Ion Ratio Lower Upper
96 100
61 148.7 119.4 179.0
98 63.1 51.1 76.7





#13

Acrolein

Concen: 128.628 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 56 Resp: 26428

Ion Ratio Lower Upper

56 100

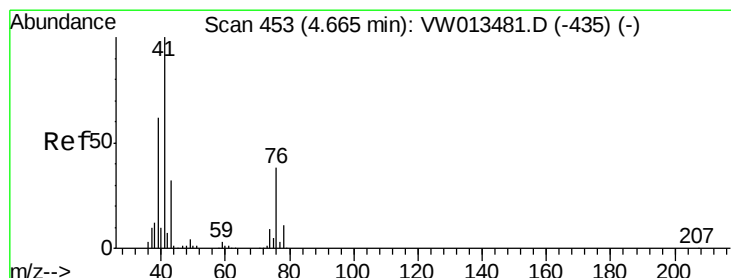
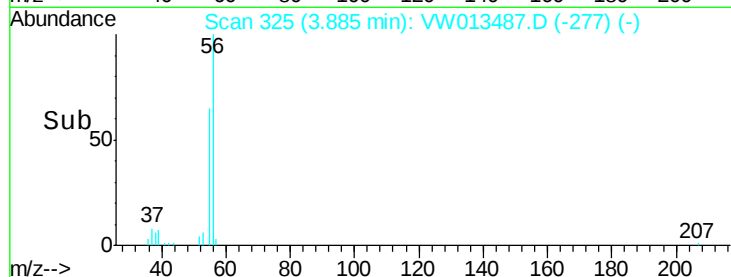
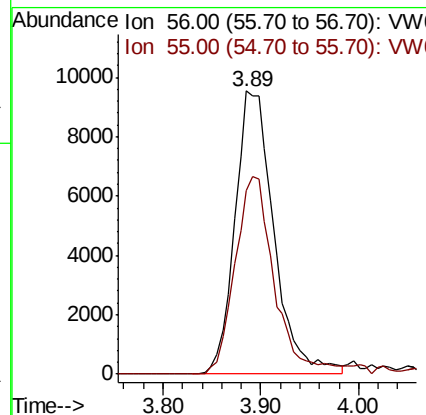
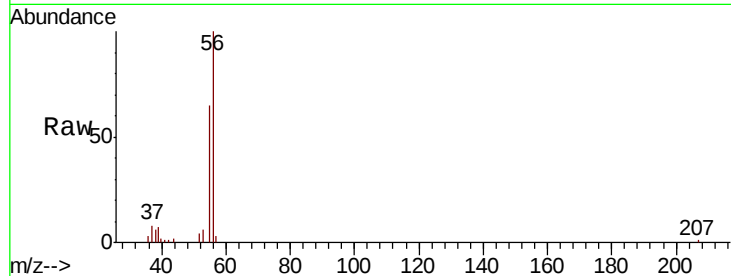
55 70.1 55.9 83.9

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#14

Allyl chloride

Concen: 20.347 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

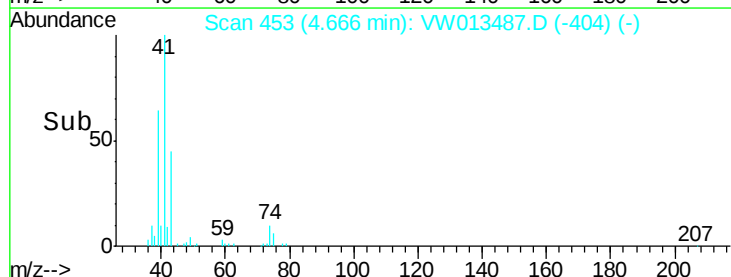
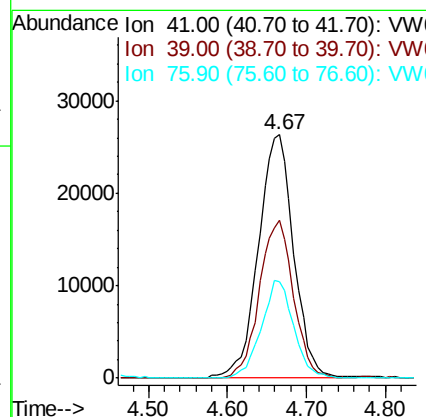
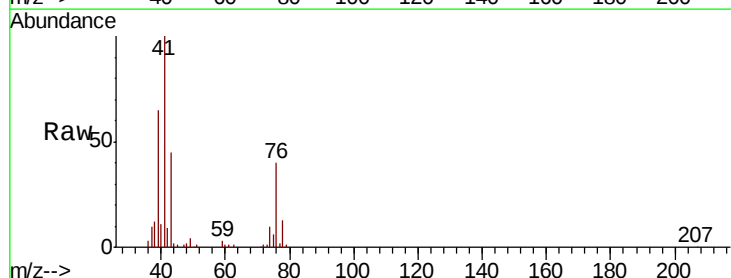
Tgt Ion: 41 Resp: 81764

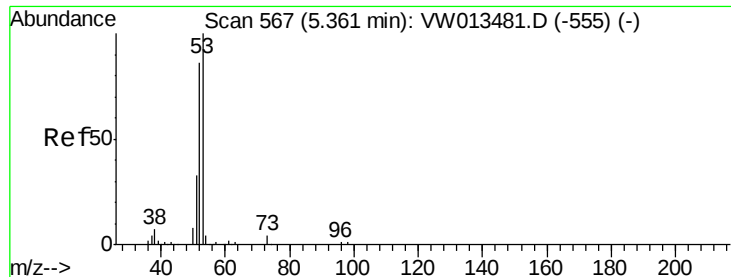
Ion Ratio Lower Upper

41 100

39 62.8 50.1 75.1

76 36.5 29.0 43.4





#15

Acrylonitrile

Concen: 122.835 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

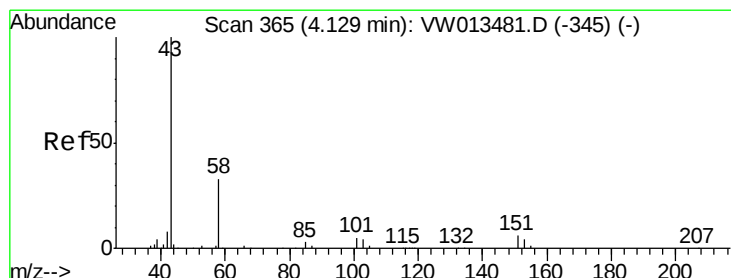
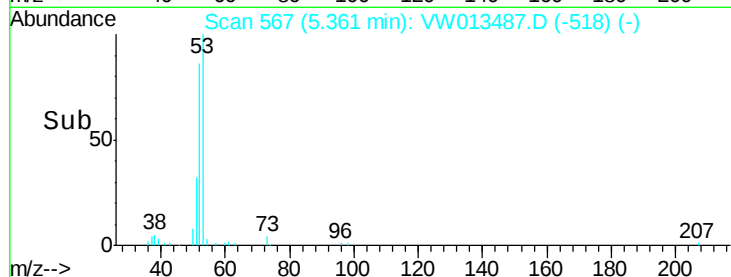
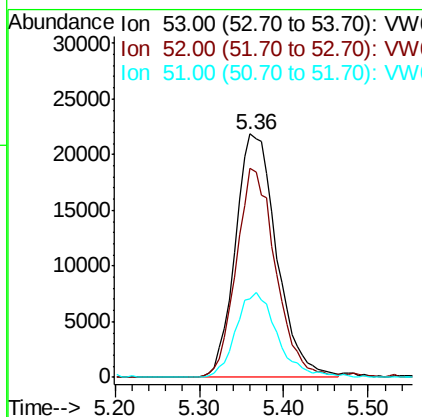
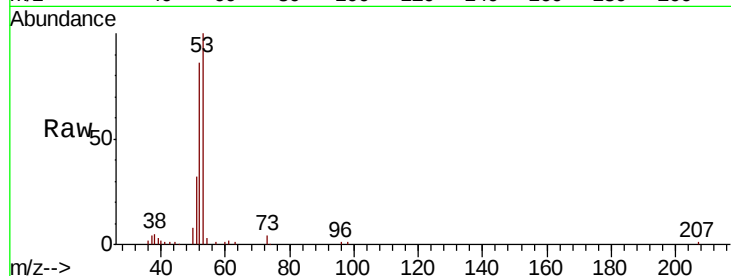
ClientSampleId :

VW1008SBS01

Tot Ion:	53	Resp:	72749
Ion	Ratio	Lower	Upper
53	100		
52	82.0	65.8	98.8
51	35.0	28.6	42.8

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#16

Acetone

Concen: 117.110 ug/l

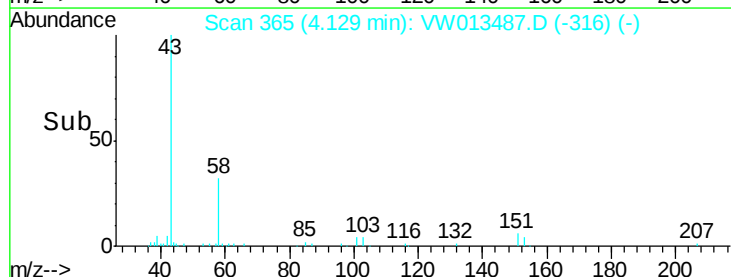
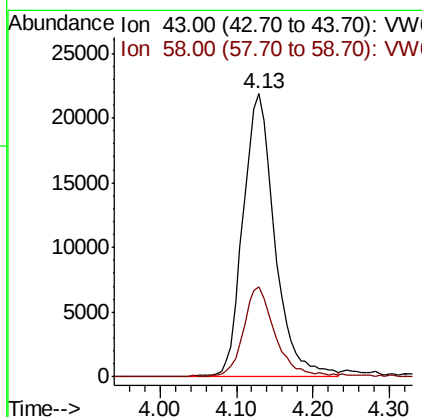
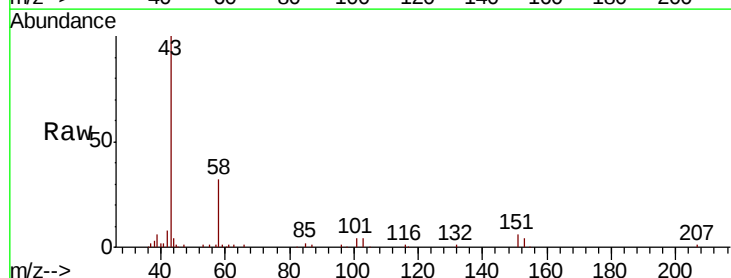
RT: 4.13 min Scan# 365

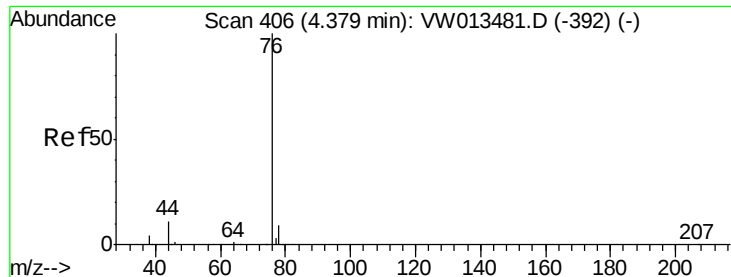
Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	43	Resp:	63436
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.1	39.1





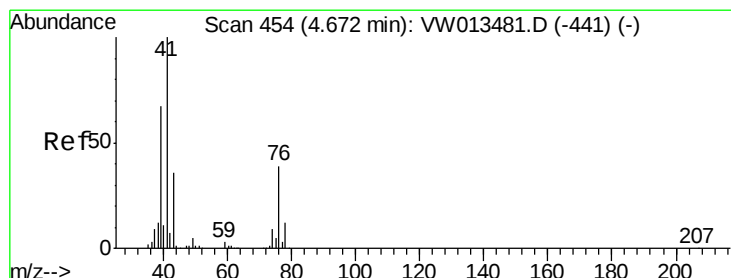
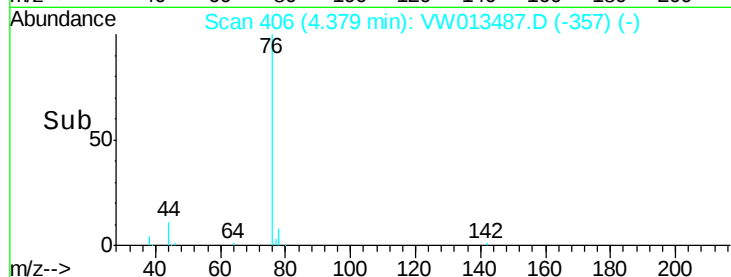
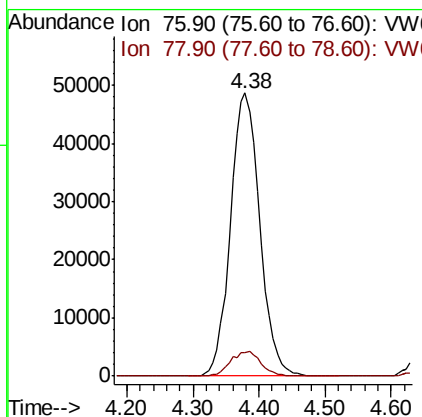
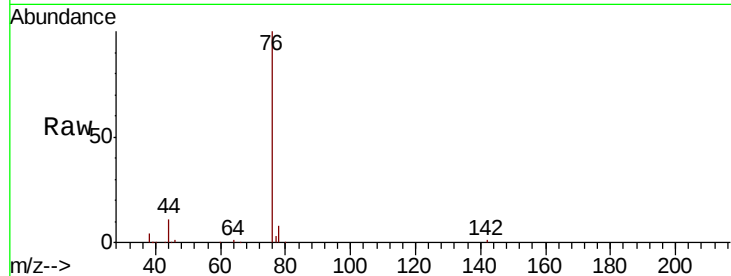
#17
Carbon Disulfide
Concen: 20.345 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.1	10.7

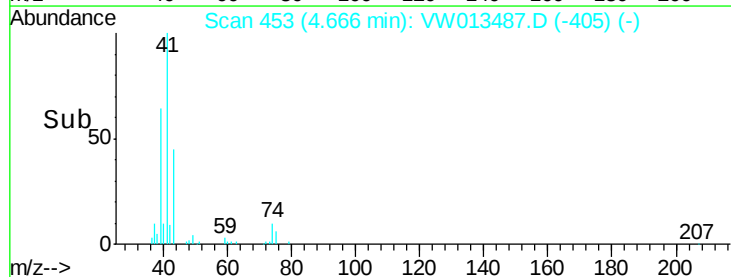
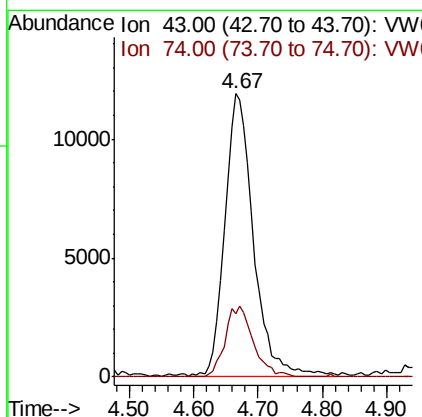
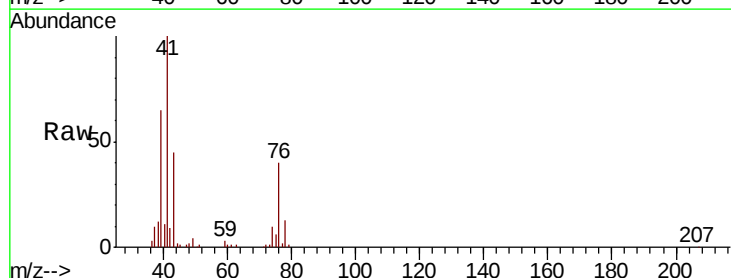
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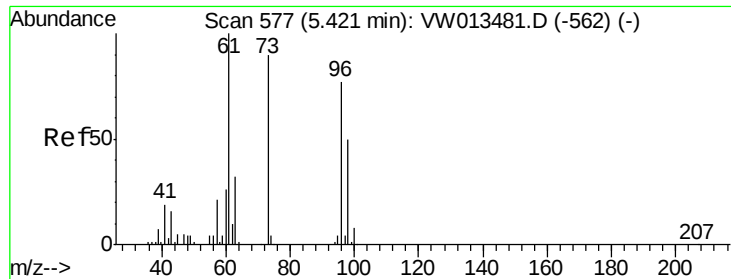
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#18
Methyl Acetate
Concen: 24.106 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.6	29.4





#19

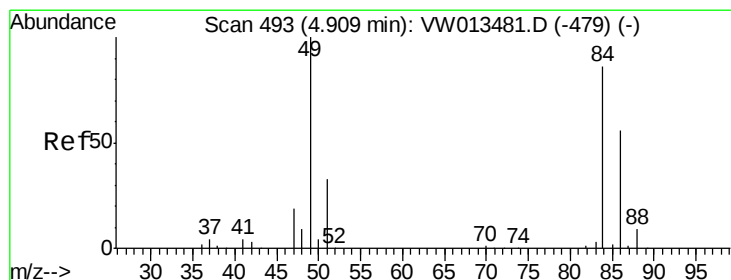
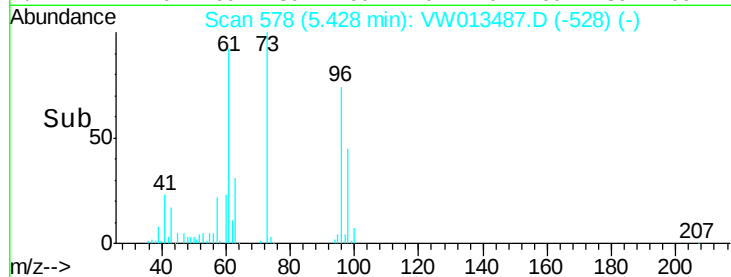
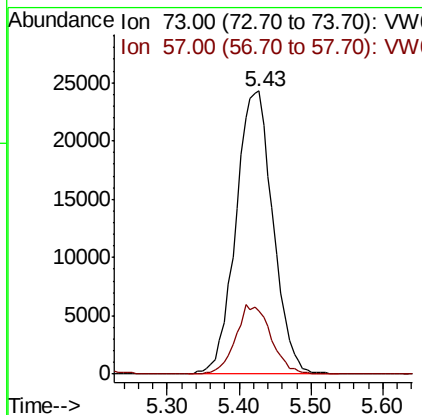
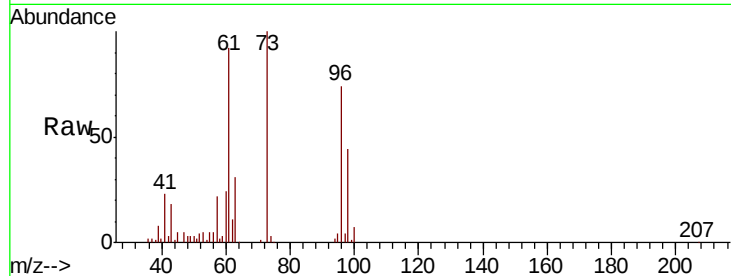
Methyl tert-butyl Ether
 Concen: 21.893 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	27.8

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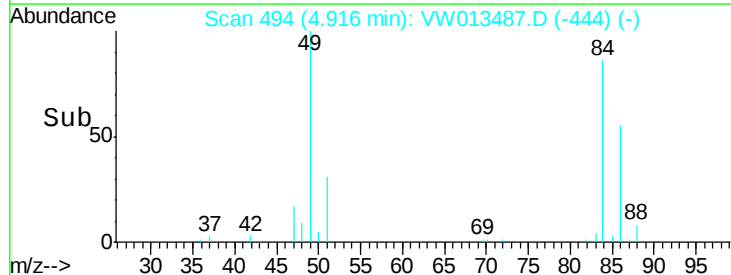
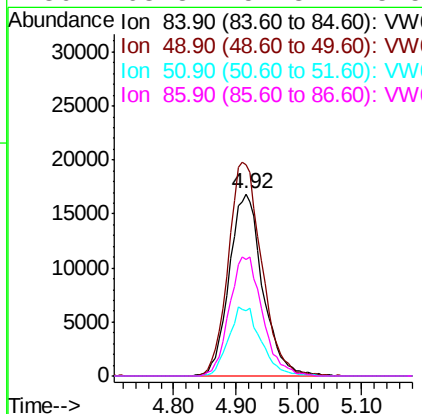
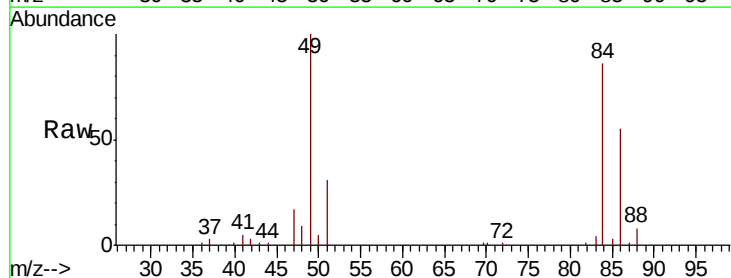
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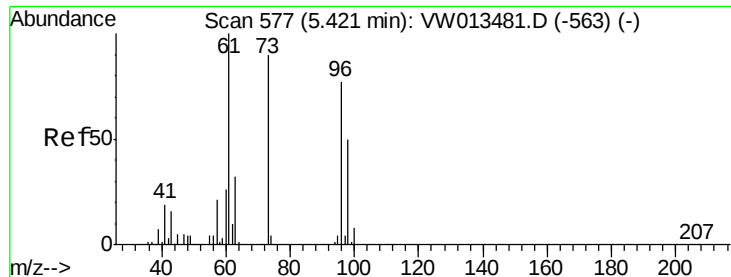


#20

Methylene Chloride
 Concen: 21.340 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.4	93.4	140.0
51	36.2	30.6	46.0
86	63.8	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 20.924 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

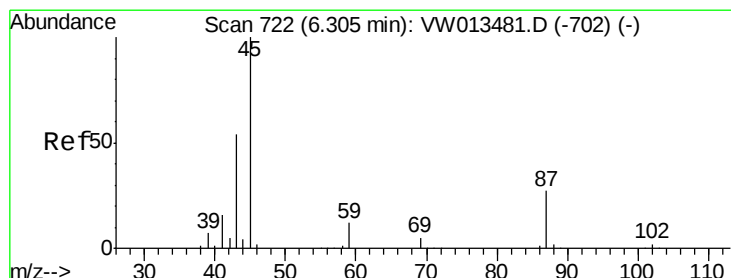
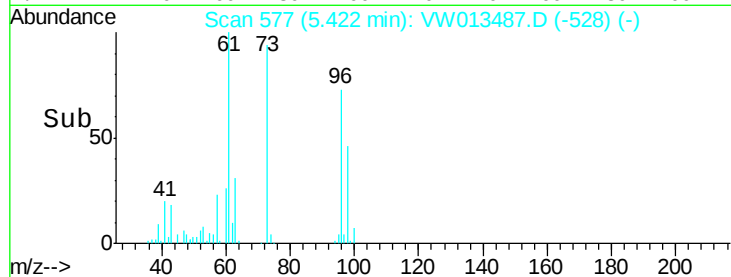
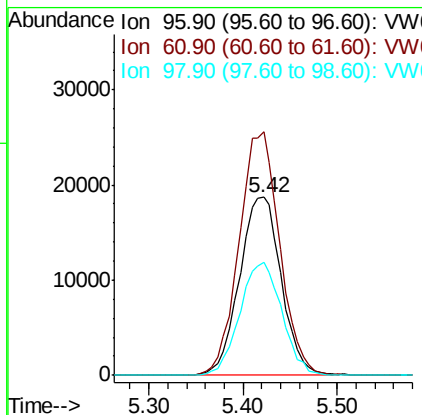
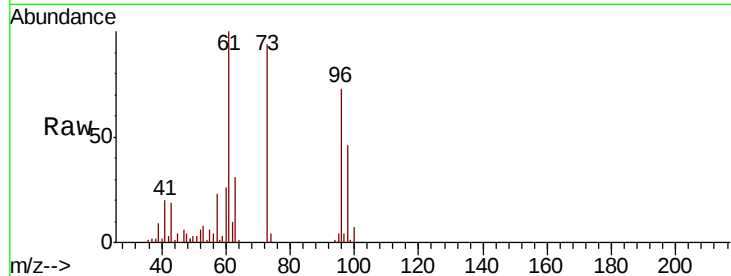
ClientSampleId :

VW1008SBS01

Tot Ion:	96	Resp:	58139
Ion	Ratio	Lower	Upper
96	100		
61	136.8	104.3	156.5
98	63.3	51.8	77.8

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#22

Diisopropyl ether

Concen: 20.630 ug/l

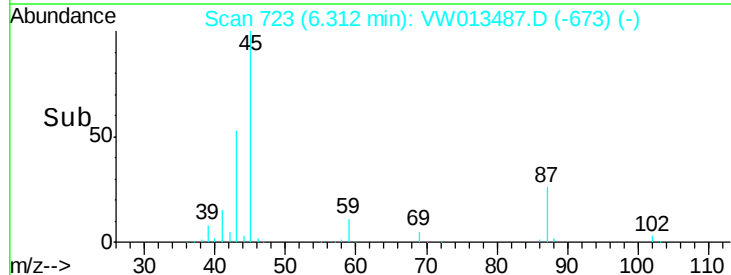
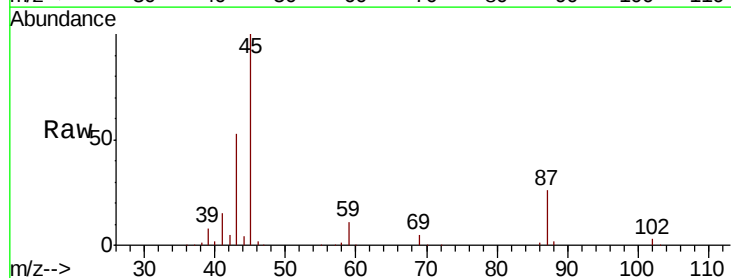
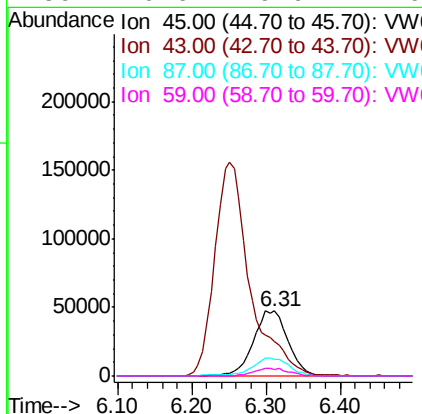
RT: 6.31 min Scan# 723

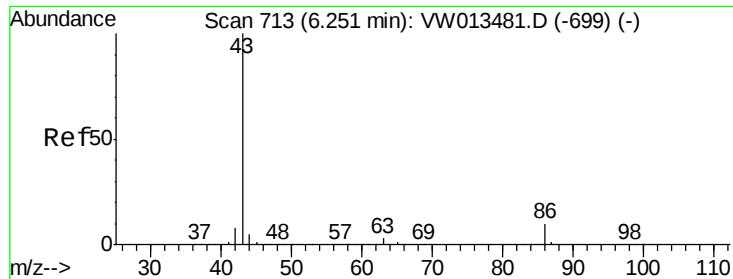
Delta R.T. 0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	45	Resp:	155327
Ion	Ratio	Lower	Upper
45	100		
43	51.9	43.4	65.0
87	26.3	22.1	33.1
59	10.6	9.9	14.9





#23

Vinyl Acetate

Concen: 113.520 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampled :

VW1008SBS01

Tot Ion: 43 Resp: 513135

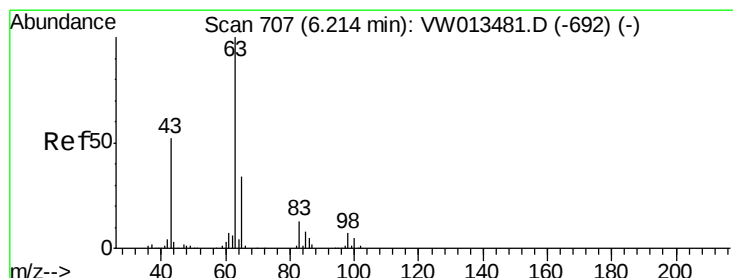
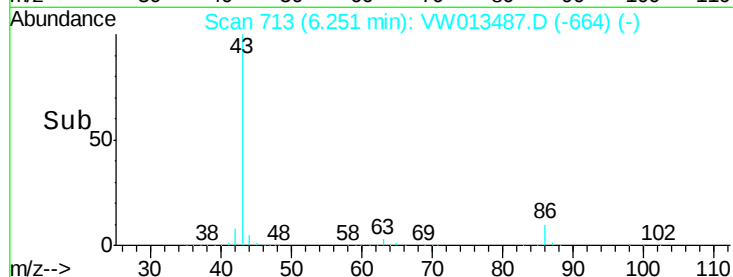
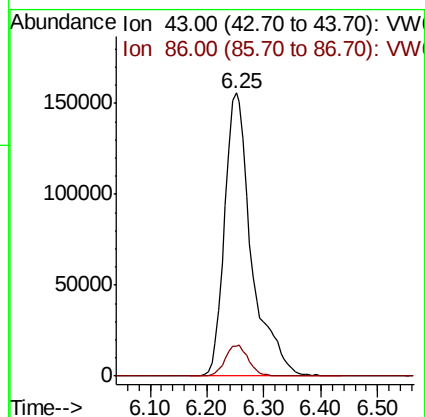
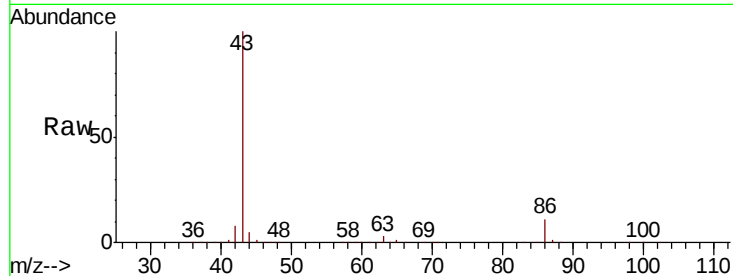
Ion Ratio Lower Upper

43 100

86 10.5 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 20.806 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

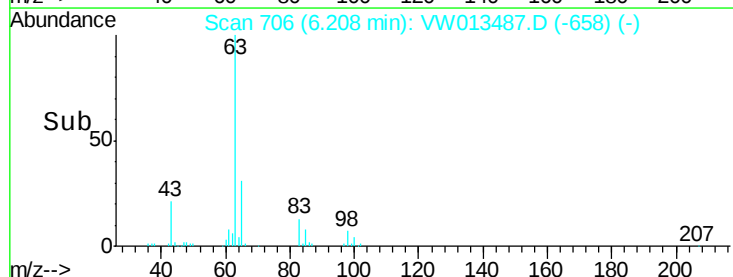
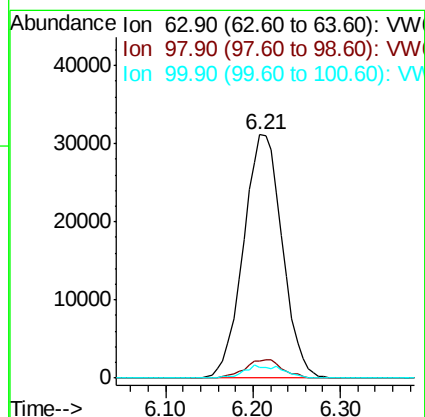
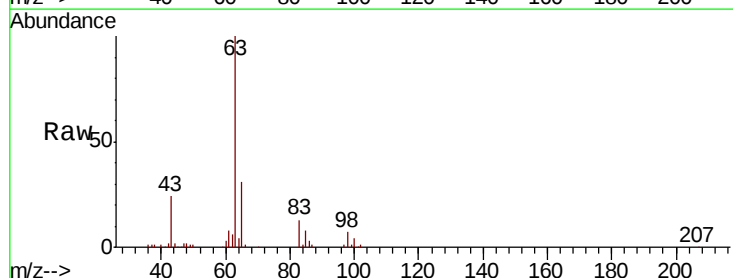
Tgt Ion: 63 Resp: 95746

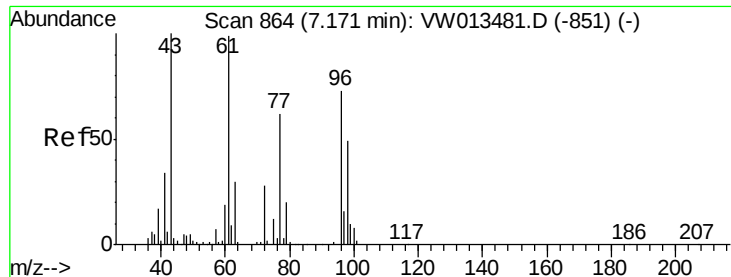
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.6

100 4.4 2.3 6.8





#25

2-Butanone

Concen: 120.747 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 43 Resp: 96393

Ion Ratio Lower Upper

43 100

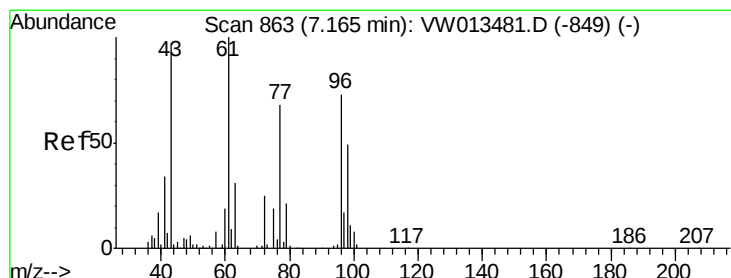
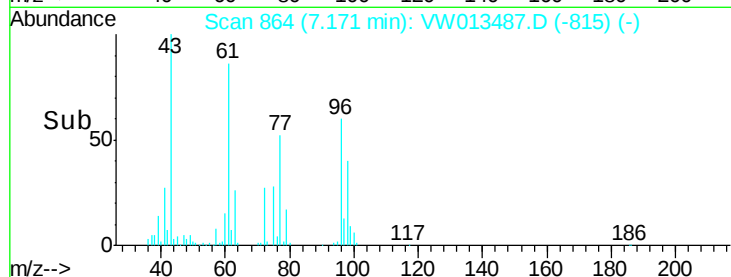
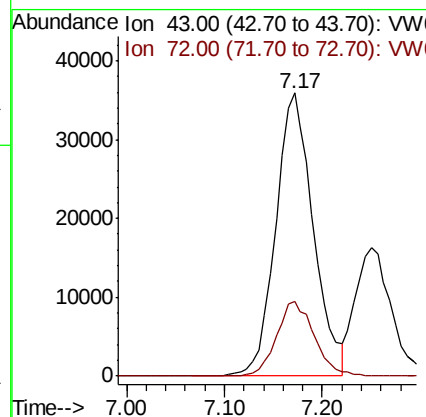
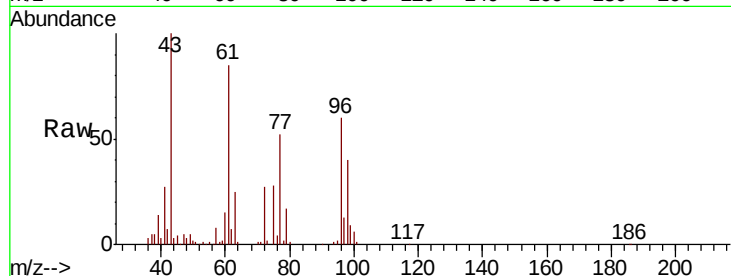
72 26.6 22.1 33.1

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#26

2,2-Dichloropropane

Concen: 20.887 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013487.D

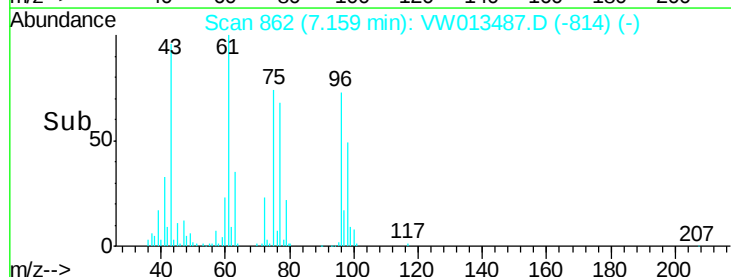
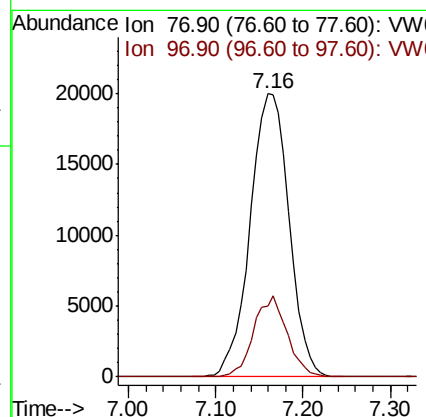
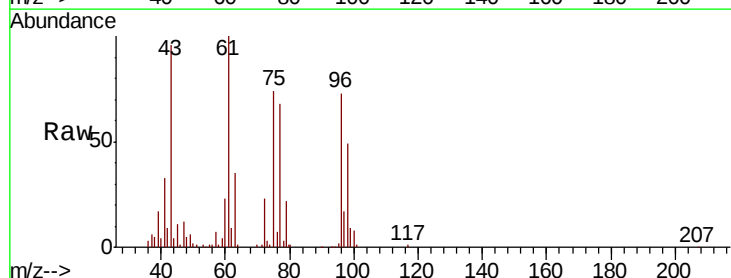
Acq: 08 Oct 2019 15:27

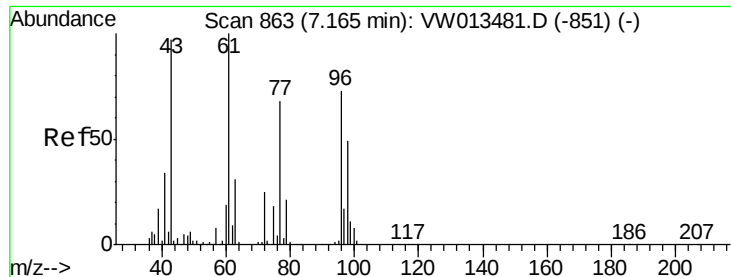
Tgt Ion: 77 Resp: 61963

Ion Ratio Lower Upper

77 100

97 24.4 12.6 37.6





#27

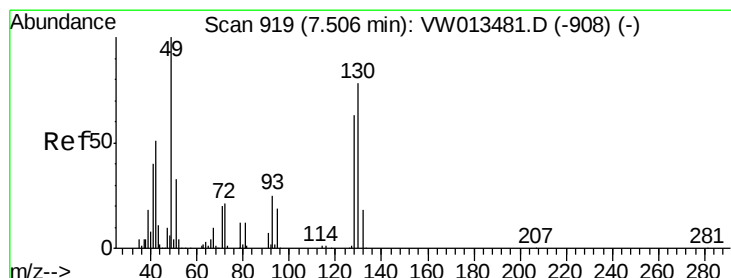
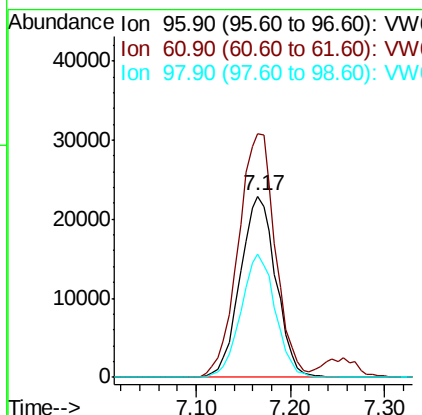
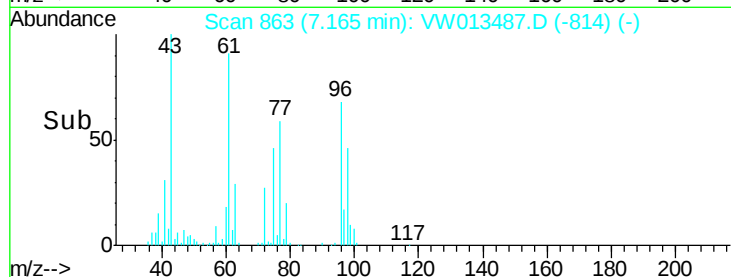
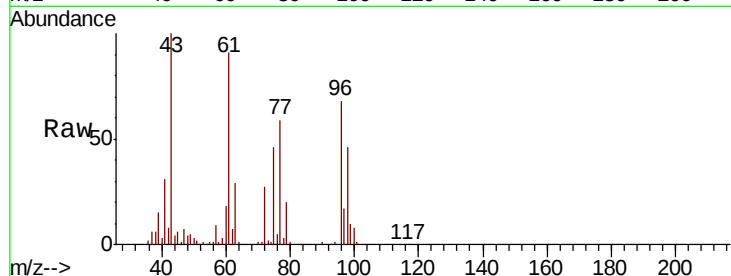
cis-1,2-Dichloroethene
 Concen: 20.688 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60825		
61	139.7		0.0	274.4
98	65.5		0.0	130.2

Manual Integrations
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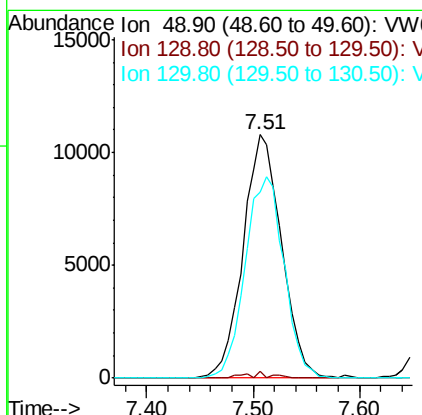
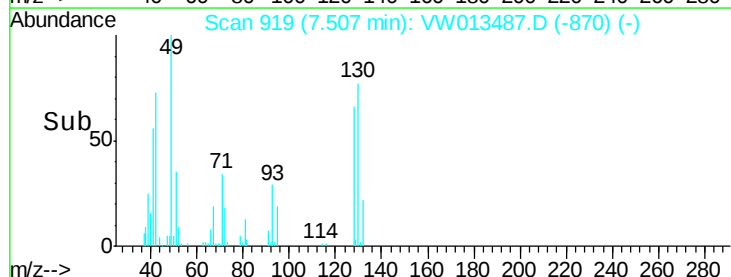
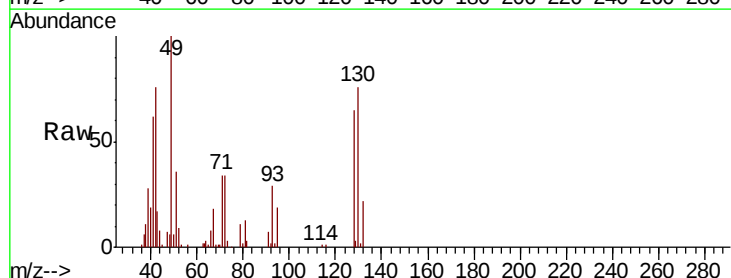
MMDadoda
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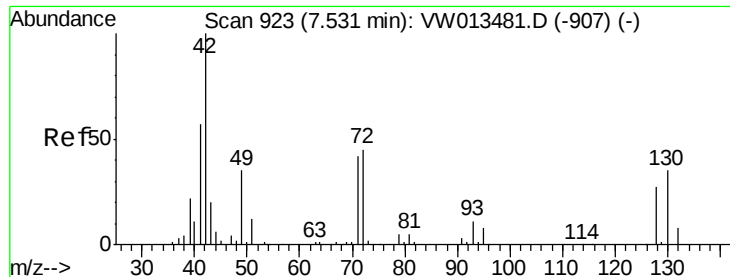


#28

Bromochloromethane
 Concen: 16.982 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	27343		
129	0.6		0.0	1.6
130	83.3		0.0	0.0#





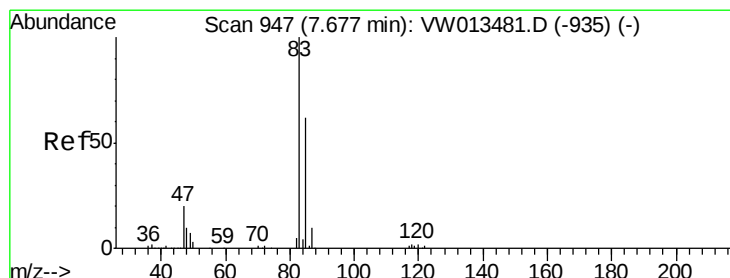
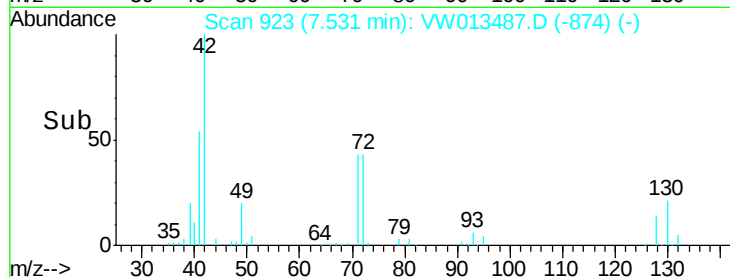
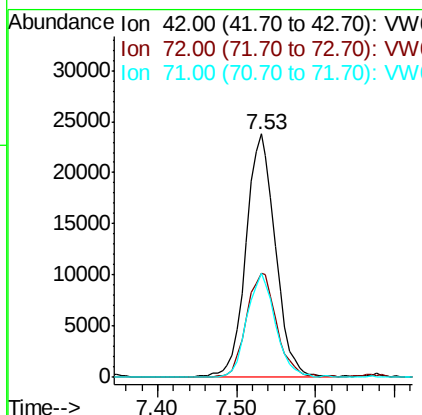
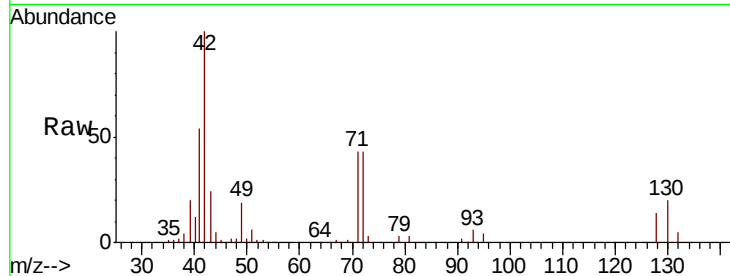
#29
Tetrahydrofuran
Concen: 126.627 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	34.8	52.2
71	41.2	33.6	50.4

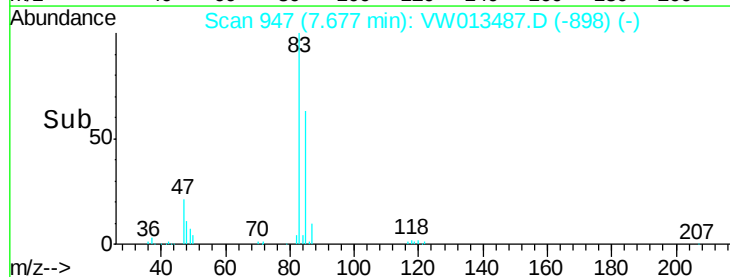
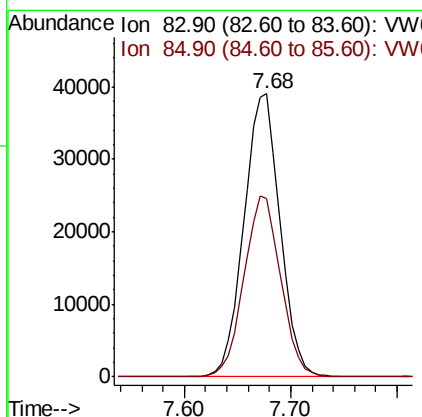
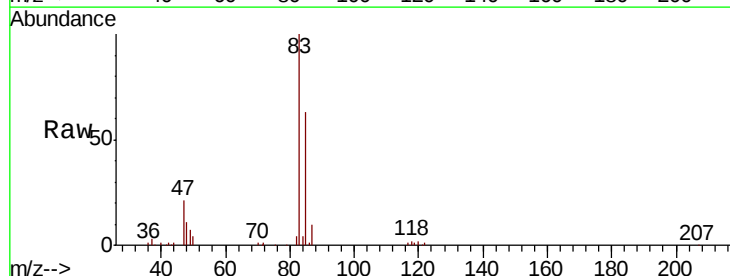
Manual Integrations
APPROVED

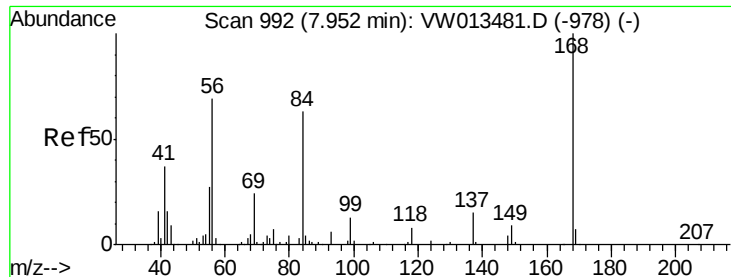
MMDadoda
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#30
Chloroform
Concen: 20.880 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.4	74.2





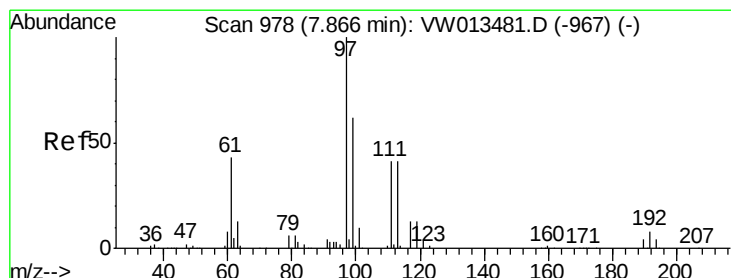
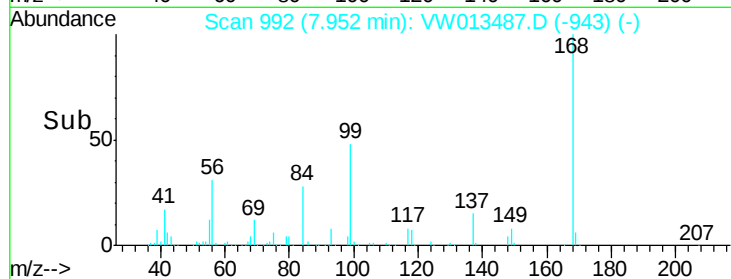
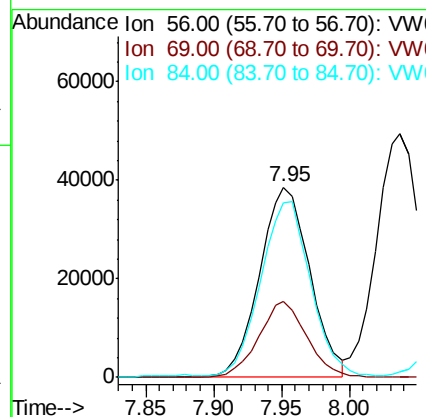
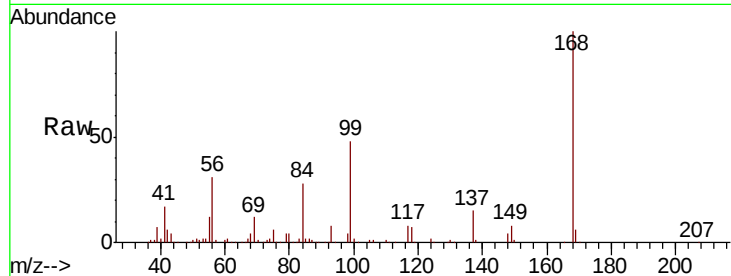
#31
Cyclohexane
Concen: 20.491 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100				
69	40.1	28.0	42.0		
84	91.0	71.8	107.6		

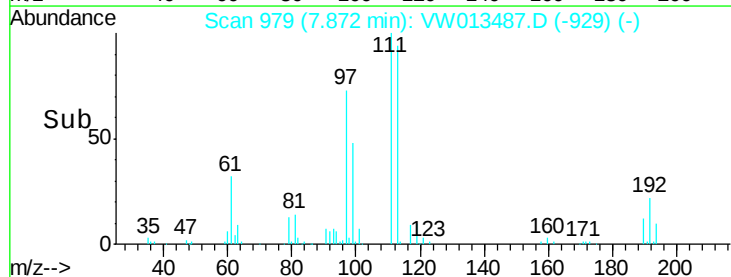
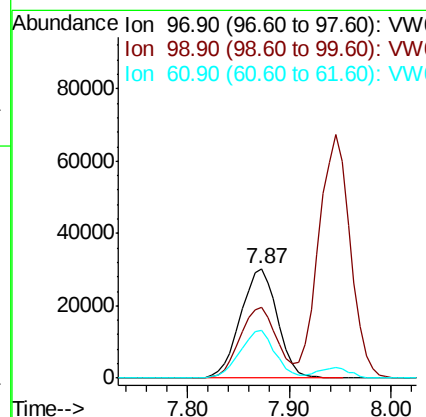
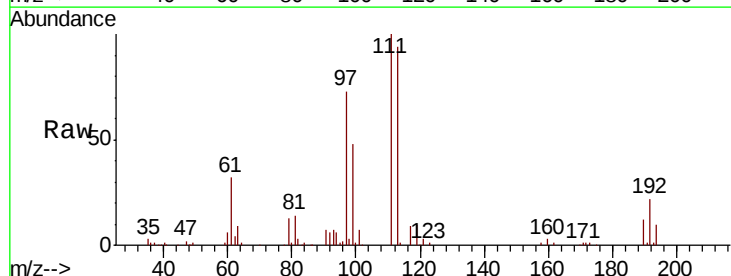
Manual Integrations
APPROVED

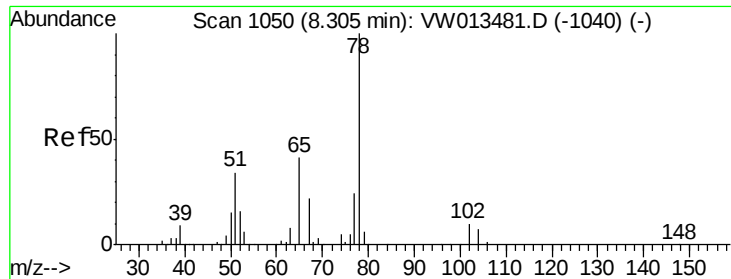
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.954 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100				
99	64.8	52.3	78.5		
61	41.6	33.7	50.5		





#33

1,2-Dichloroethane-d4

Concen: 48.809 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 65 Resp: 113613

Ion Ratio Lower Upper

65 100

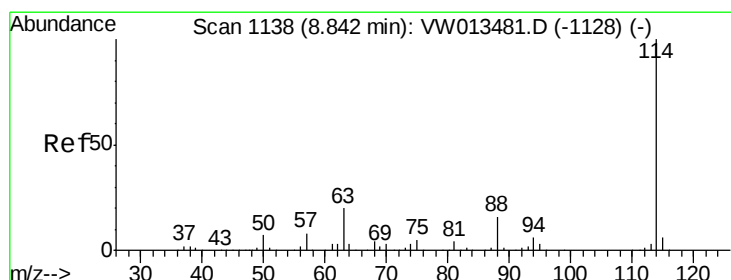
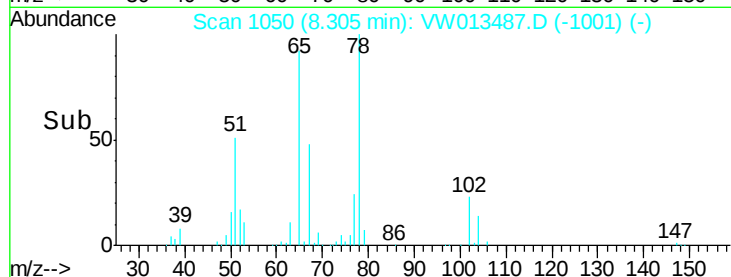
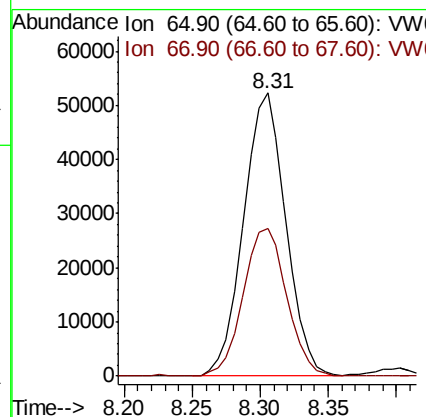
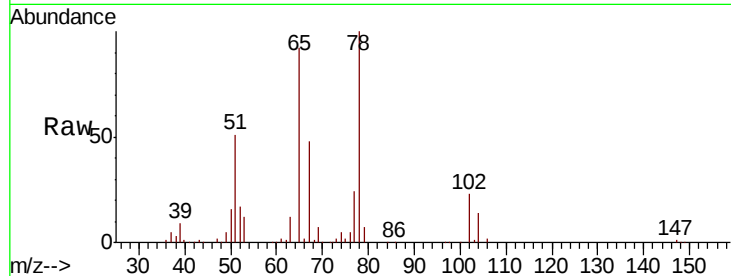
67 53.8 0.0 109.4

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: VW013487.D

Acq: 08 Oct 2019 15:27

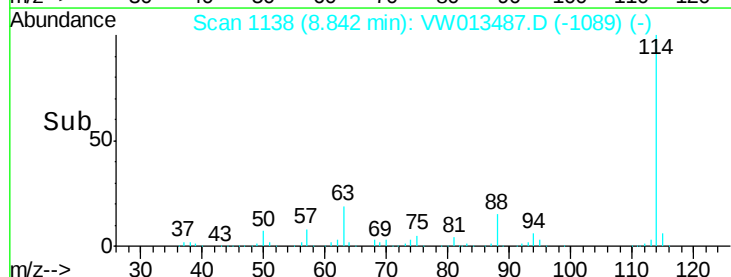
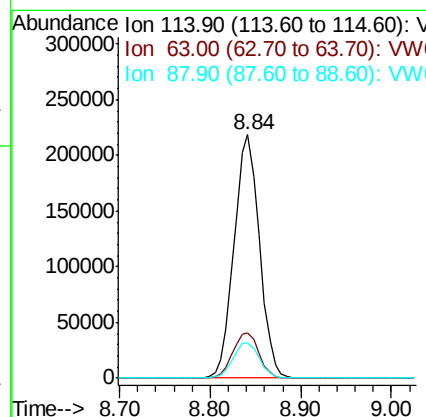
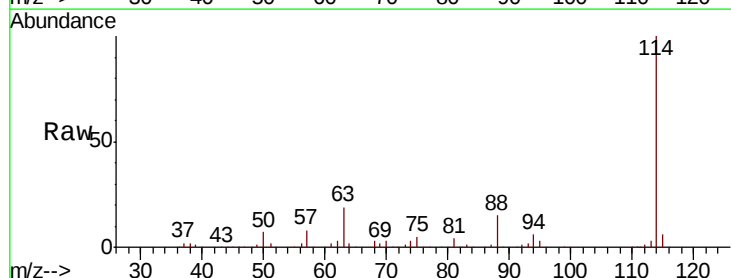
Tgt Ion: 114 Resp: 424880

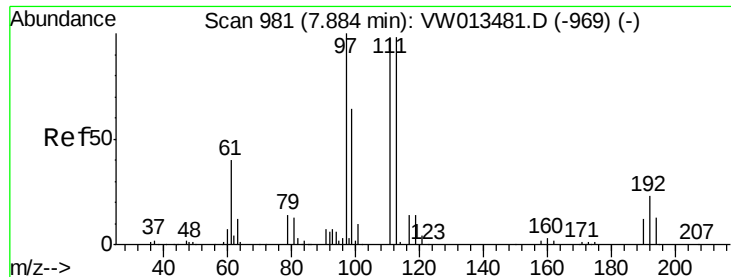
Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.4

88 14.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 47.896 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

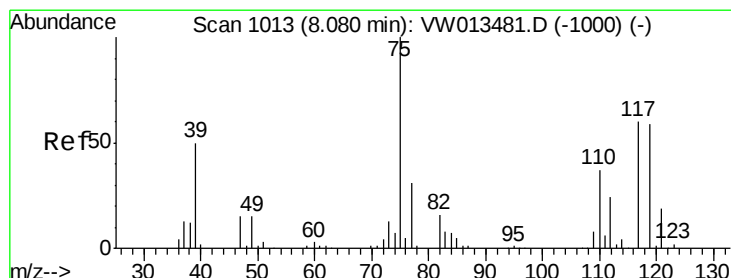
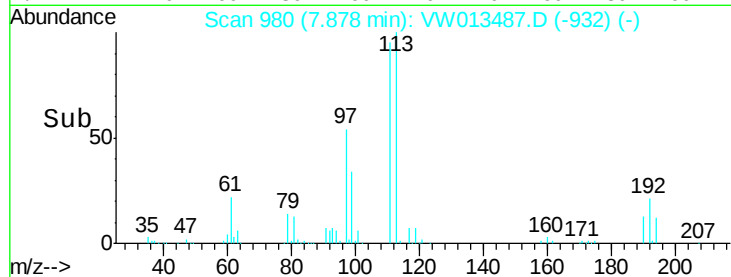
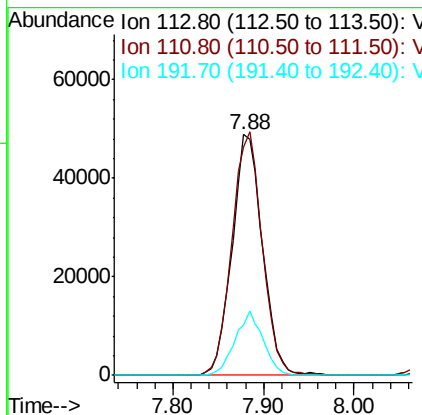
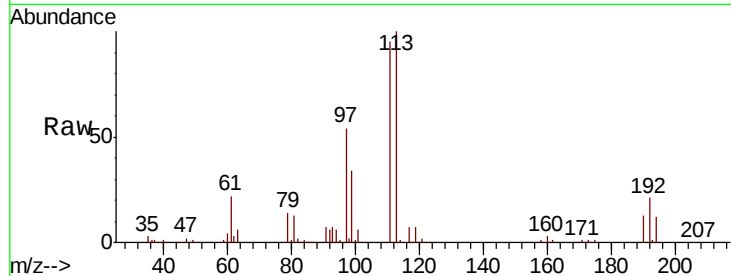
ClientSampleId :

VW1008SBS01

Tot Ion:	113	Resp:	113658
Ion Ratio	Lower	Upper	
113	100		
111	101.0	82.3	123.5
192	24.4	19.3	28.9

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.920 ug/l

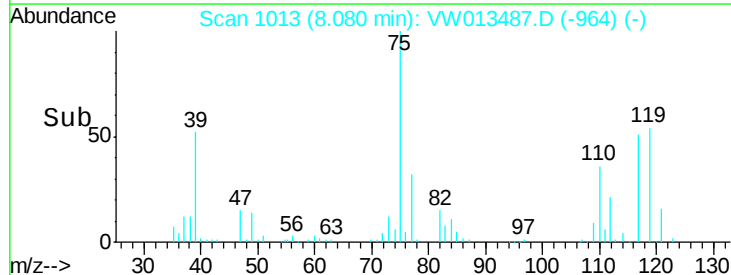
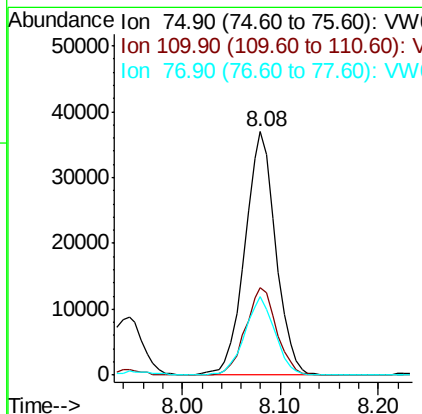
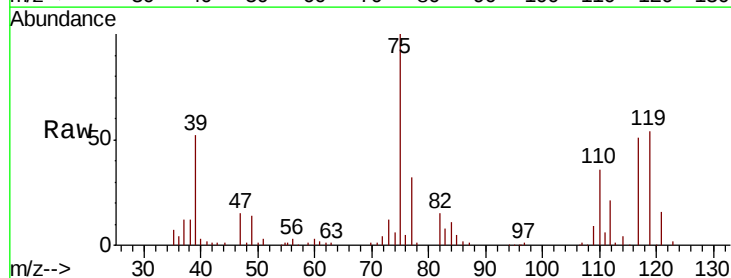
RT: 8.08 min Scan# 1013

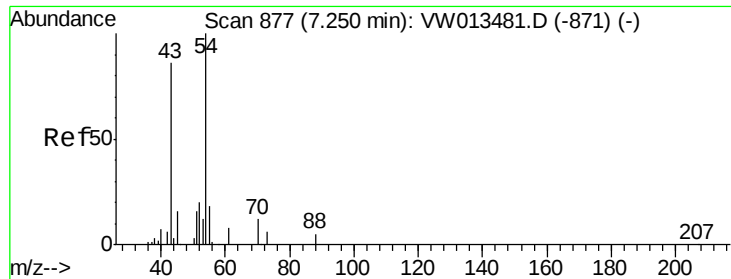
Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	75	Resp:	80408
Ion Ratio	Lower	Upper	
75	100		
110	36.0	18.4	55.2
77	31.7	25.0	37.4





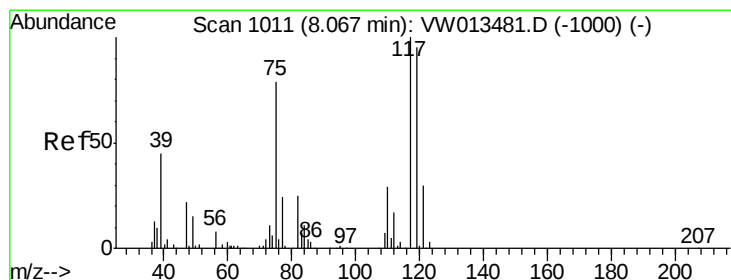
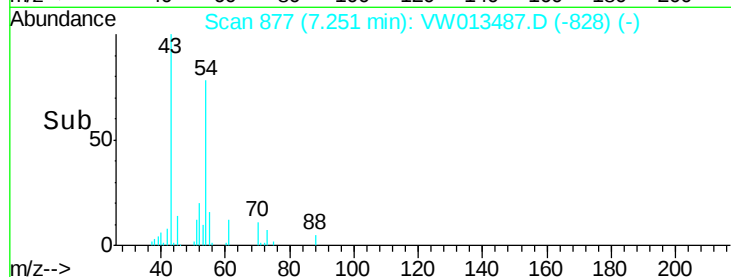
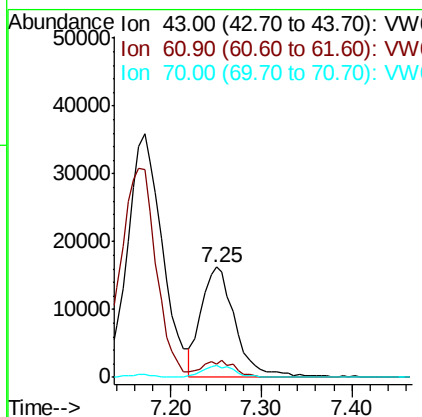
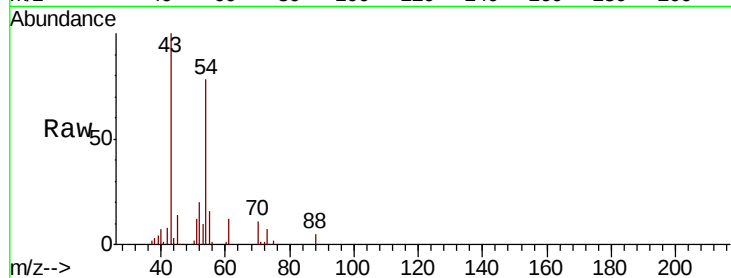
#37
Ethyl Acetate
Concen: 24.064 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion:	43	Resp:	41965
Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.9	16.3
70	10.4	9.2	13.8

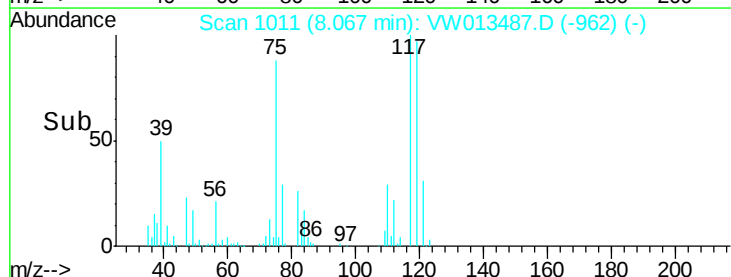
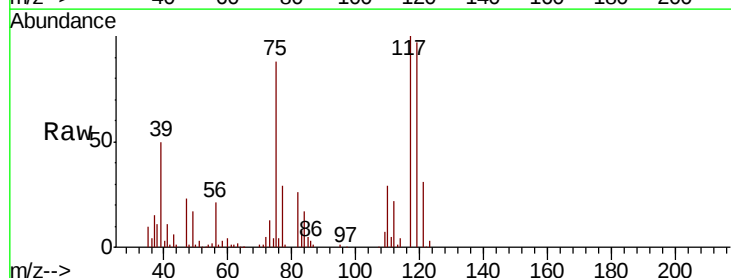
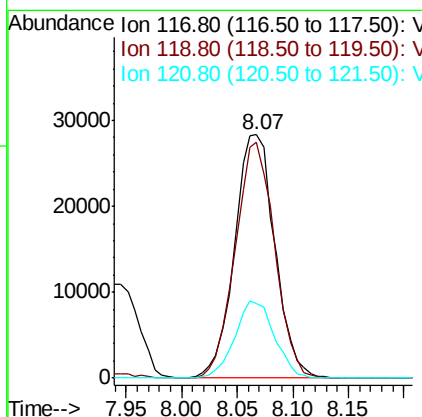
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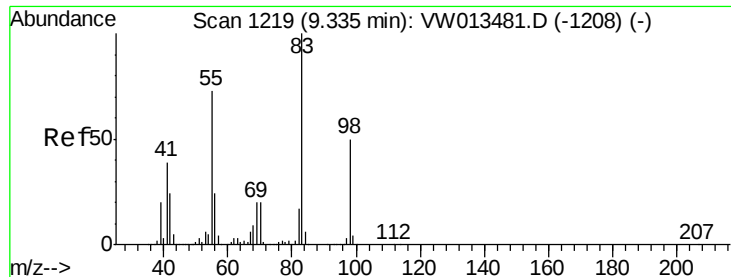
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#38
Carbon Tetrachloride
Concen: 20.934 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:	117	Resp:	71327
Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.3	114.5
121	30.5	23.6	35.4





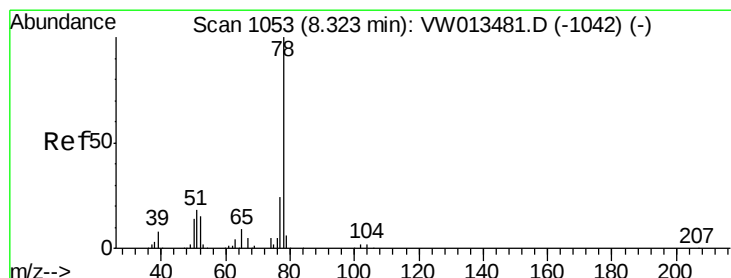
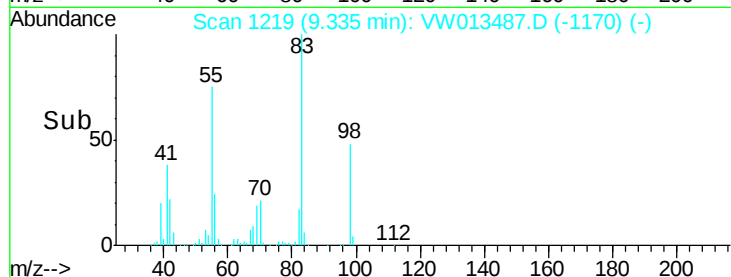
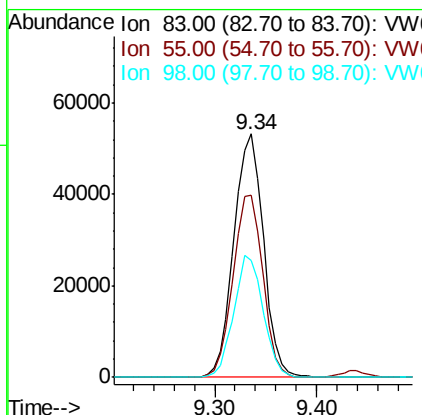
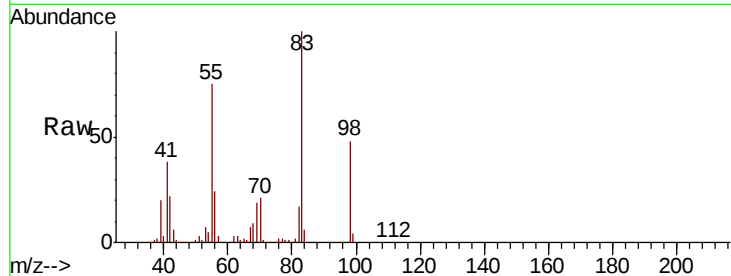
#39
Methvlcvclohexane
Concen: 21.471 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampled :
VW1008SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	58.2	87.4
98	48.2	39.8	59.6

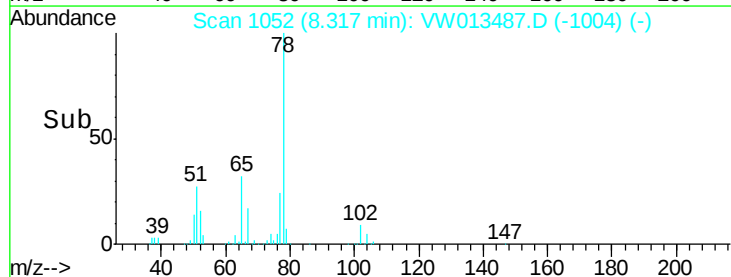
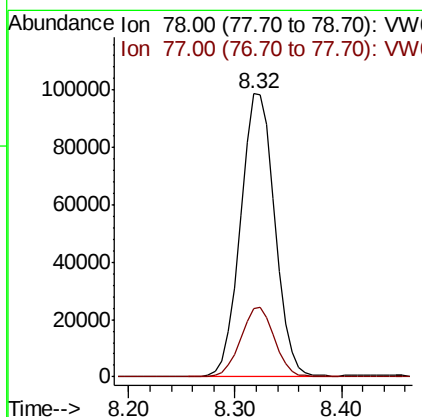
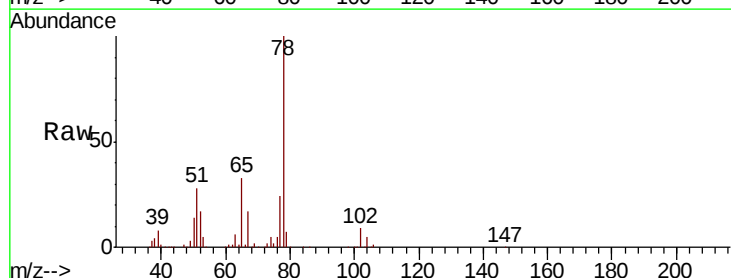
Manual Integrations
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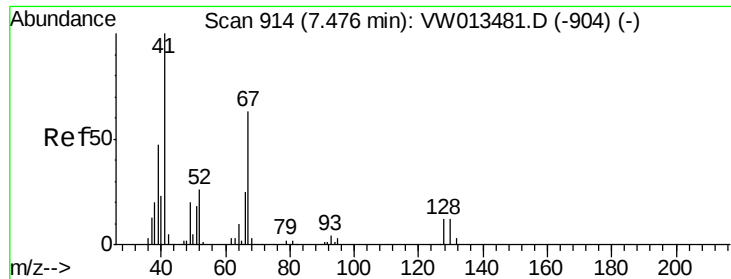
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#40
Benzene
Concen: 20.863 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.2	28.8





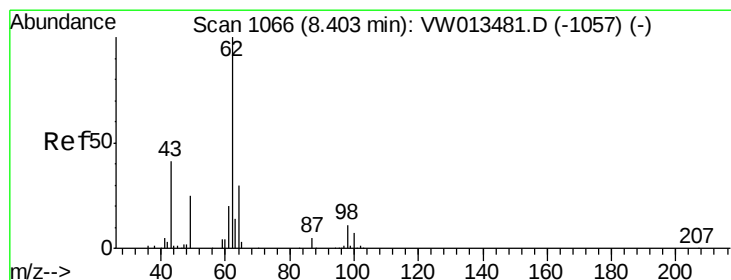
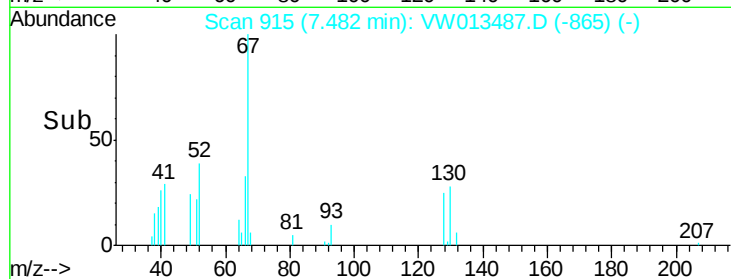
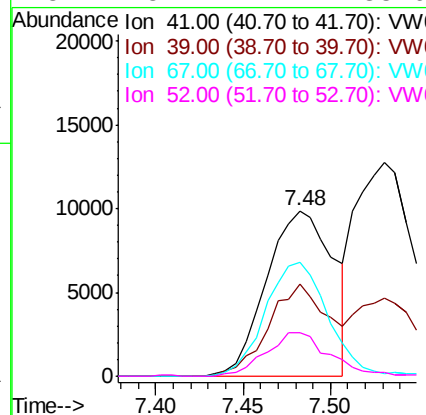
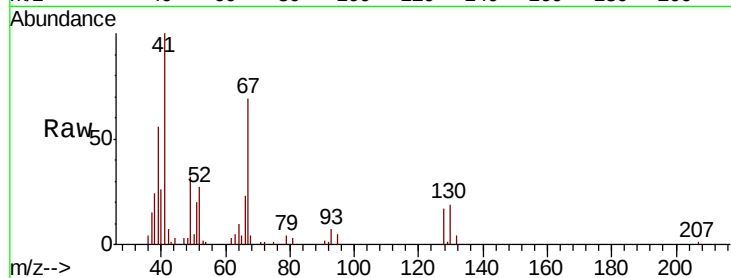
#41
Methacrylonitrile
Concen: 26.501 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.4	39.4	59.0
67	65.3	57.0	85.6
52	25.4	22.4	33.6

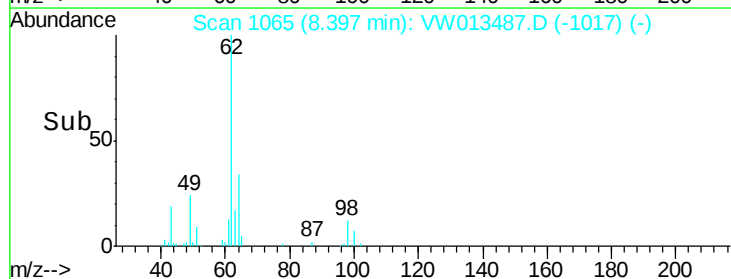
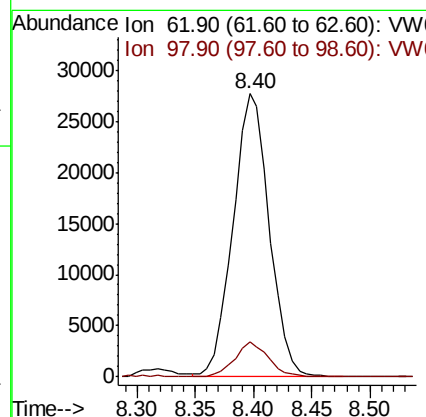
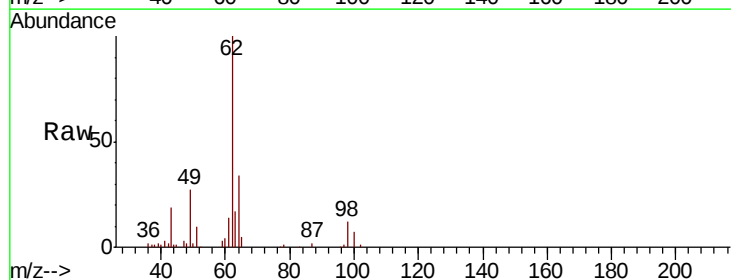
Manual Integrations
APPROVED

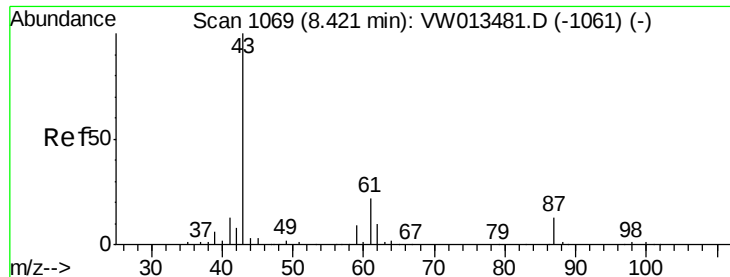
MMDadoda
10/9/2019 4:09:49 PM



#42
1,2-Dichloroethane
Concen: 22.057 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.6	0.0	21.4





#43

Isopropyl Acetate

Concen: 23.700 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

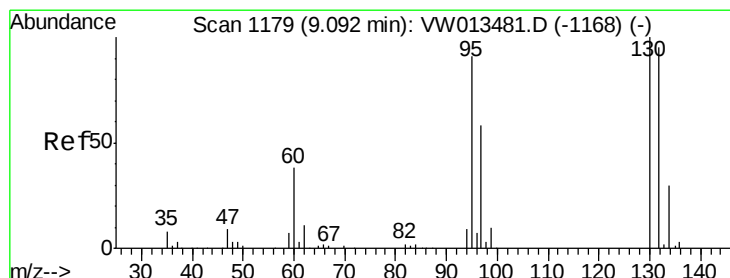
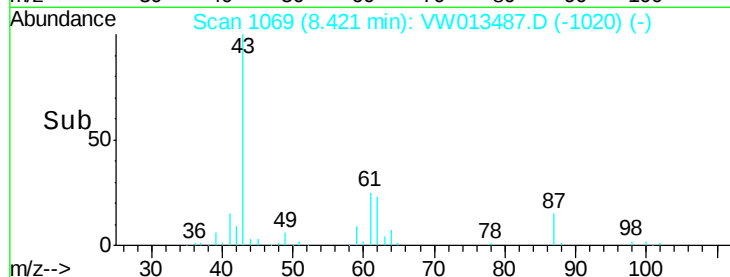
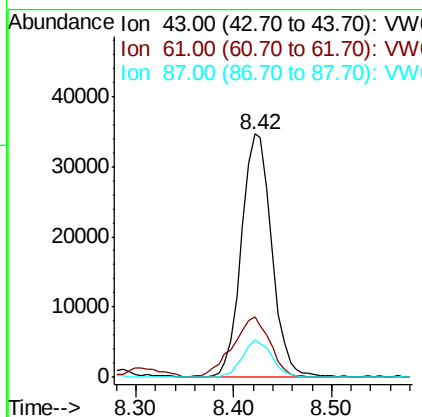
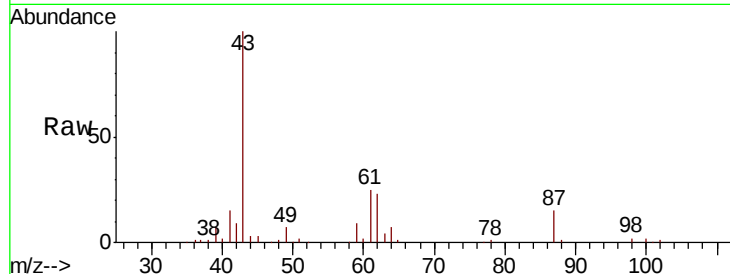
ClientSampleId :

VW1008SBS01

Tot Ion:	43	Resp:	74668
Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.4	38.2
87	14.8	10.8	16.2

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#44

Trichloroethene

Concen: 20.862 ug/l

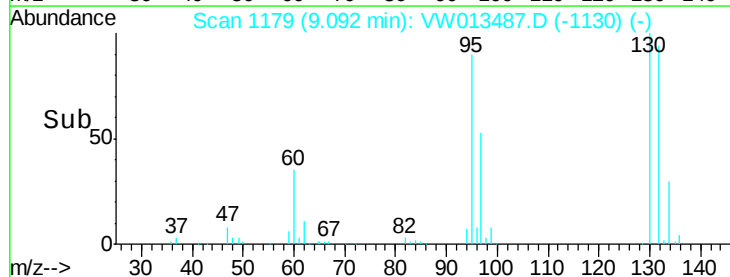
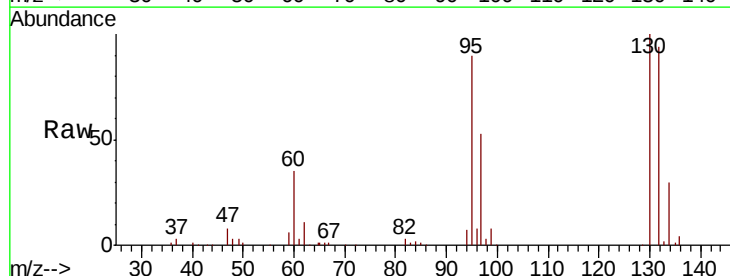
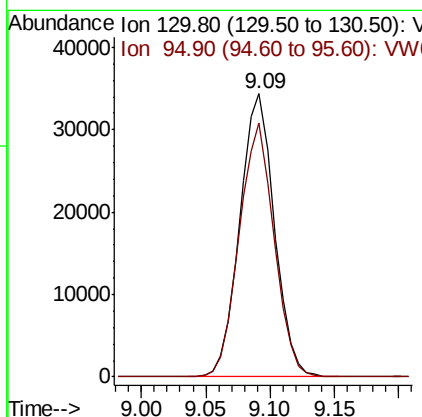
RT: 9.09 min Scan# 1179

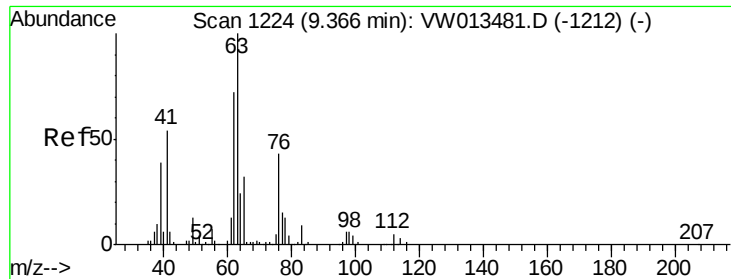
Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	130	Resp:	63853
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	182.2





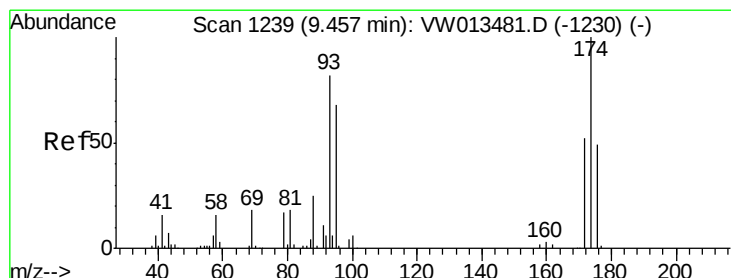
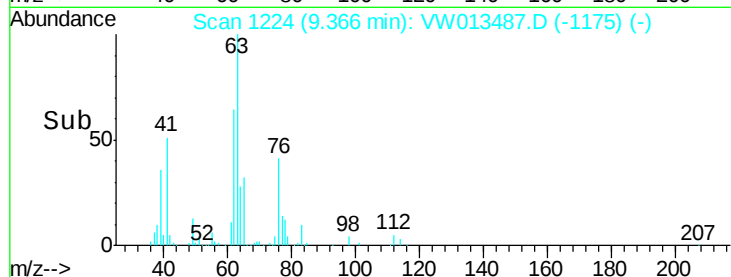
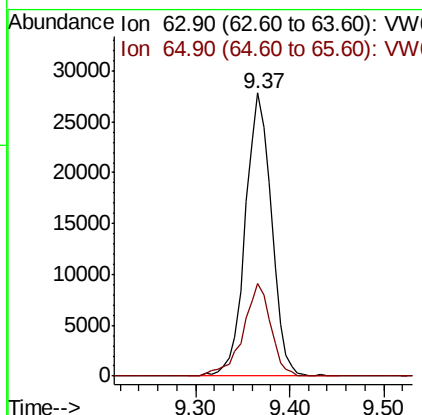
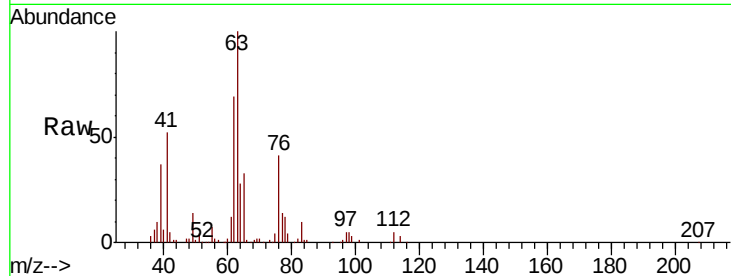
#45
 1,2-Dichloropropane
 Concen: 20.892 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	25.8	38.6

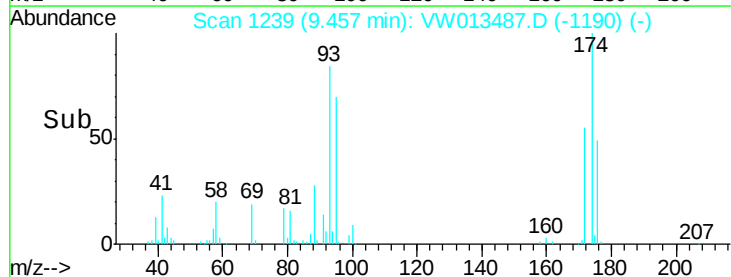
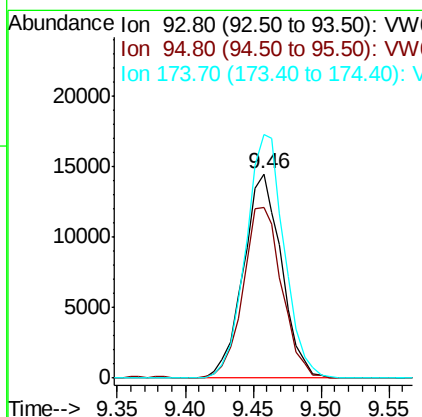
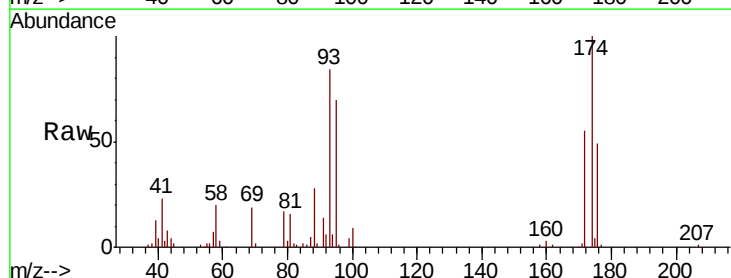
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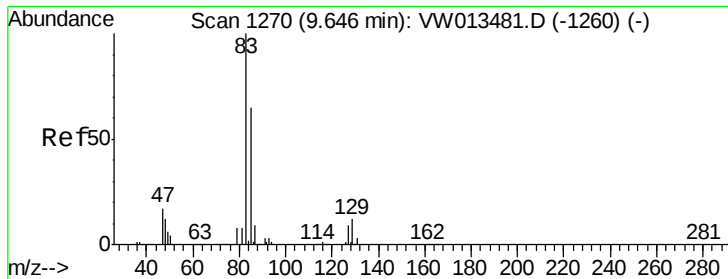
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#46
 Dibromomethane
 Concen: 22.052 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.1	68.0	102.0
174	120.6	97.0	145.6





#47

Bromodichloromethane

Concen: 20.611 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

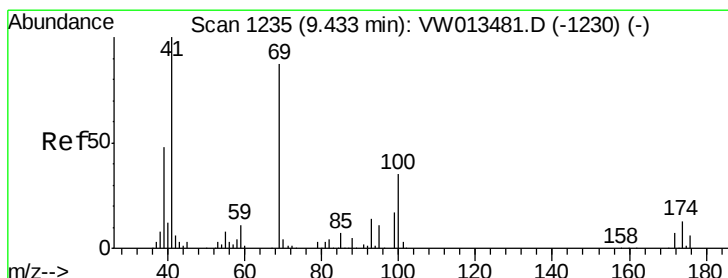
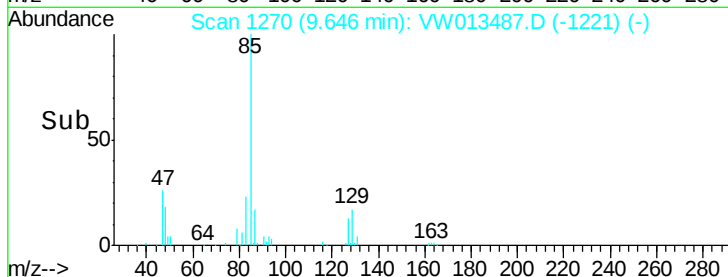
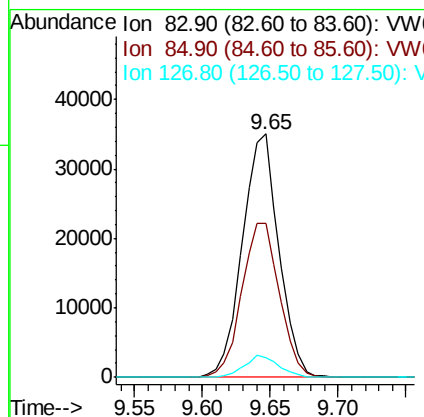
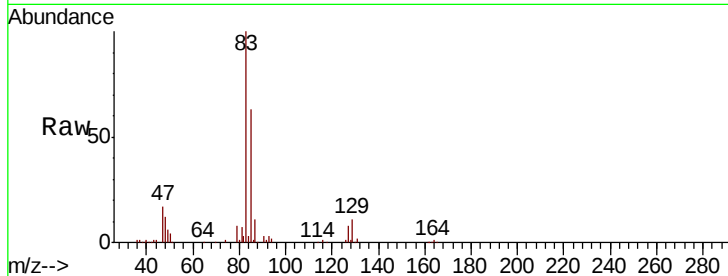
ClientSampleId :

VW1008SBS01

Tot Ion:	83	Resp:	65729
Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.9	77.9
127	8.1	7.4	11.2

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#48

Methyl methacrylate

Concen: 23.868 ug/l

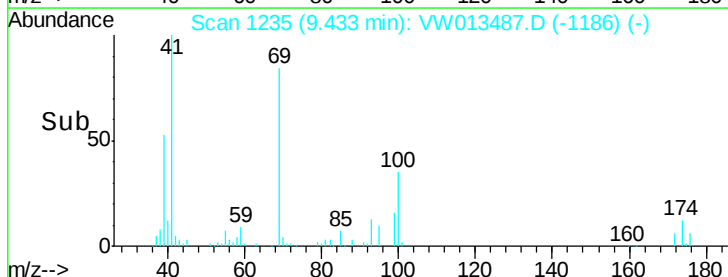
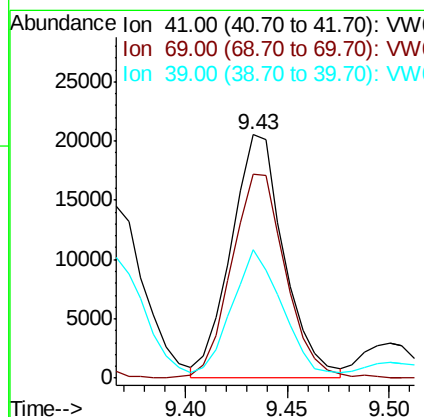
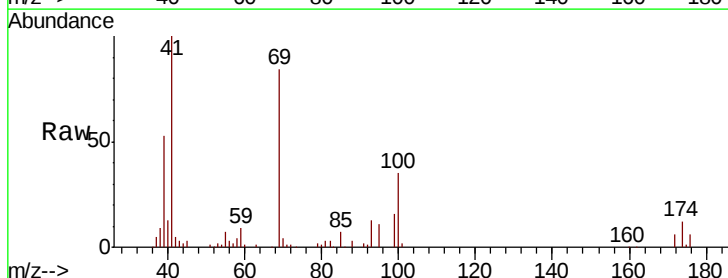
RT: 9.43 min Scan# 1235

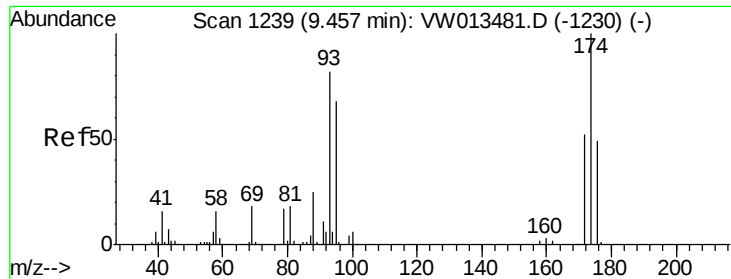
Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	41	Resp:	37042
Ion	Ratio	Lower	Upper
41	100		
69	85.6	70.4	105.6
39	47.1	37.3	55.9





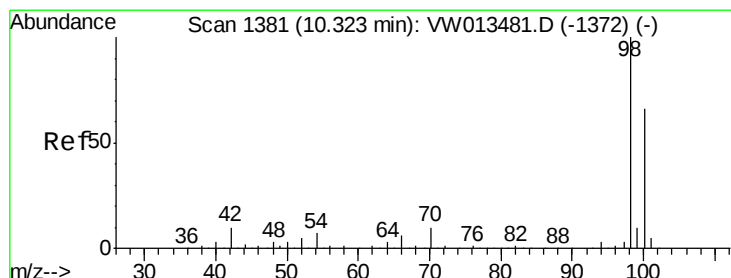
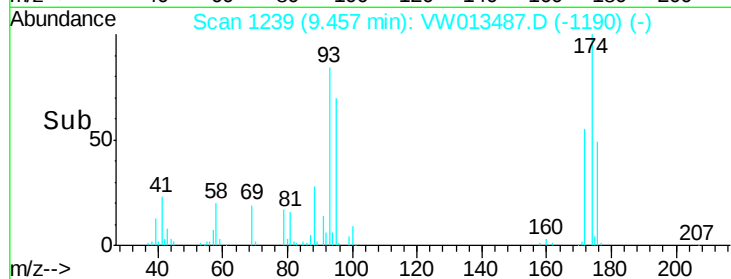
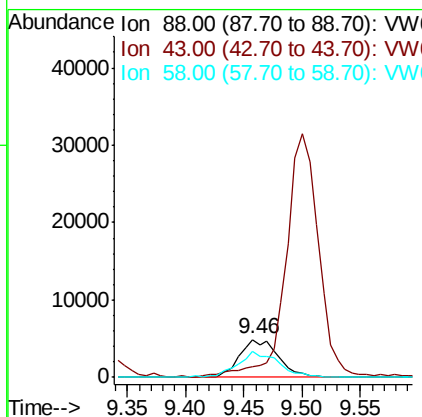
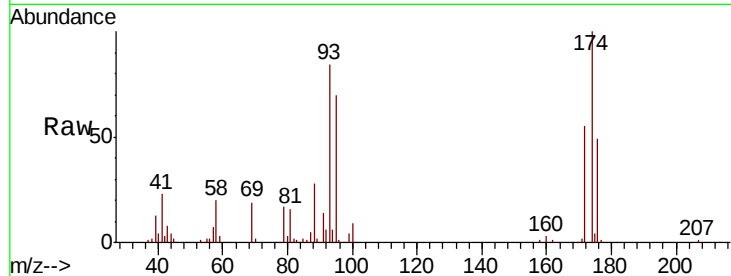
#49
1,4-Dioxane
Concen: 507.447 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	88	Resp	11431
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	72.0	60.0	90.0

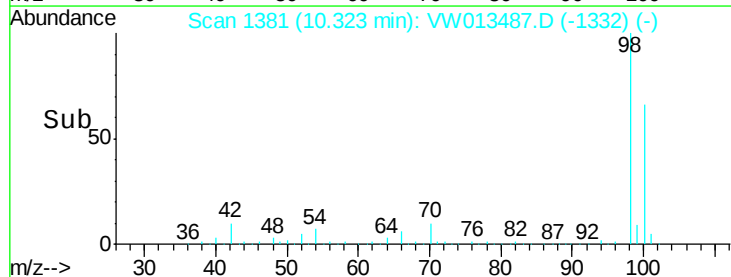
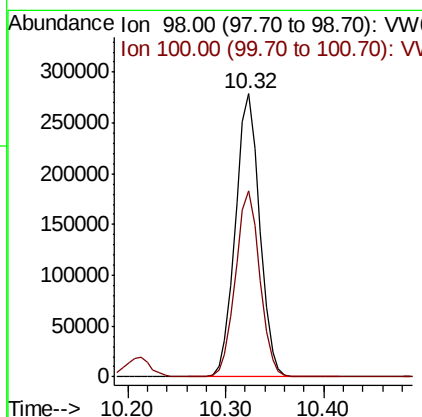
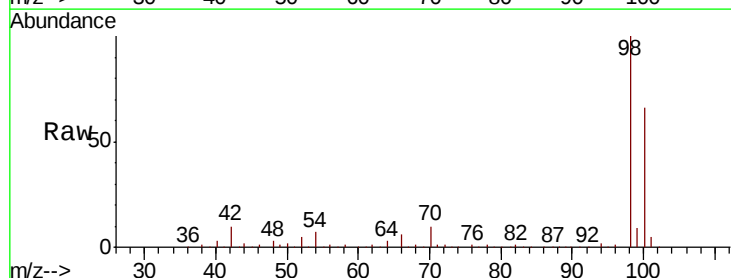
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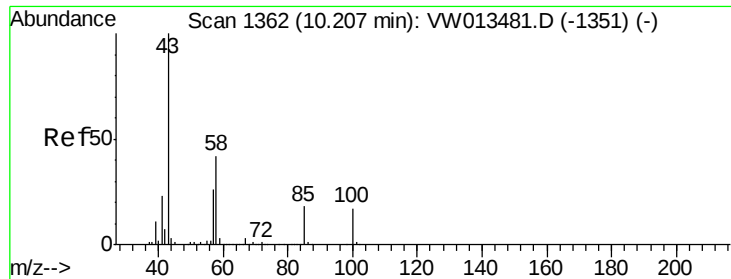
MMDadoda
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#50
Toluene-d8
Concen: 48.256 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	98	Resp	481237
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.2	79.8





#51

4-Methyl-2-Pentanone

Concen: 121.830 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 43 Resp: 201798

Ion Ratio Lower Upper

43 100

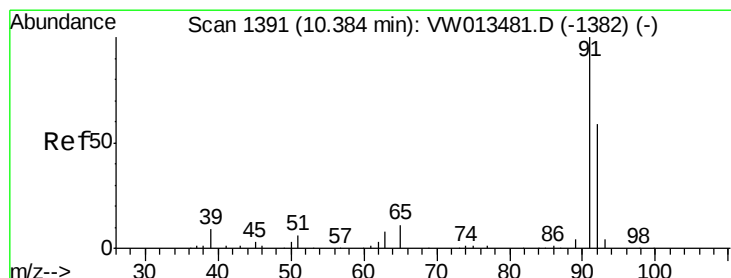
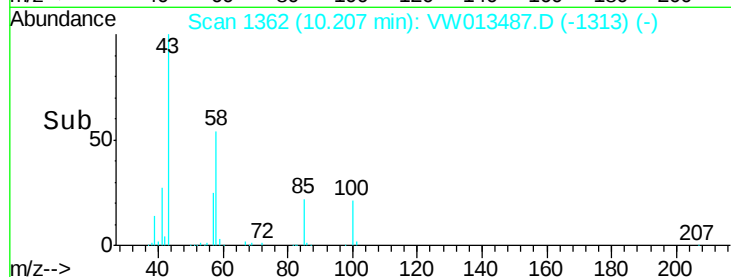
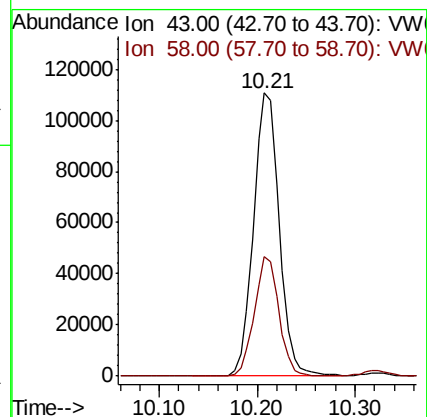
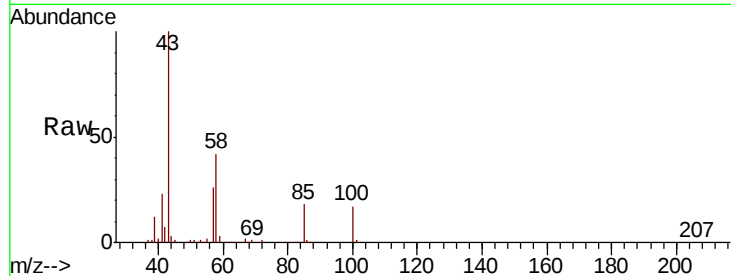
58 40.5 32.8 49.2

Manual Integrations

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#52

Toluene

Concen: 21.272 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013487.D

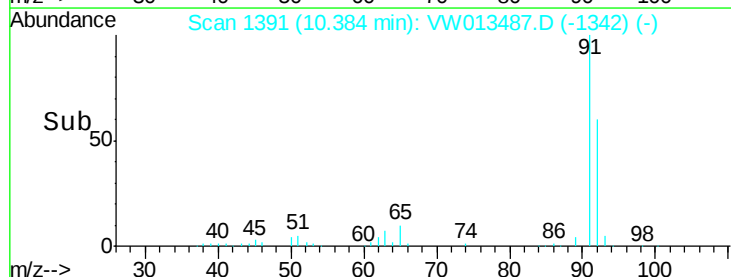
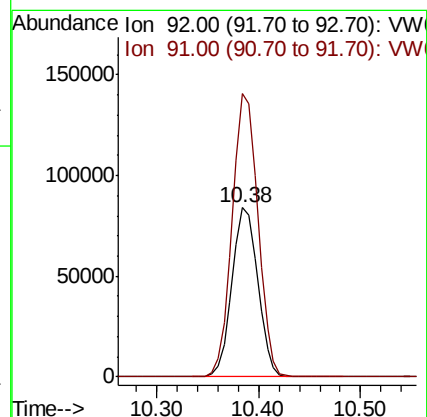
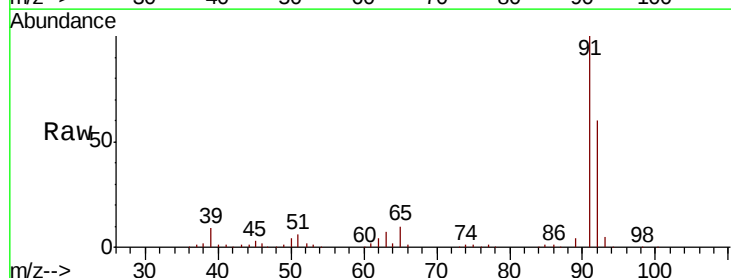
Acq: 08 Oct 2019 15:27

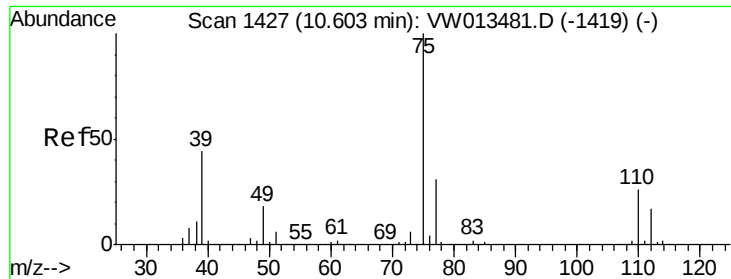
Tgt Ion: 92 Resp: 147013

Ion Ratio Lower Upper

92 100

91 167.2 134.8 202.2





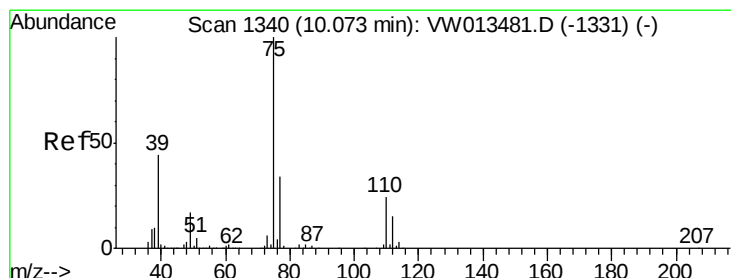
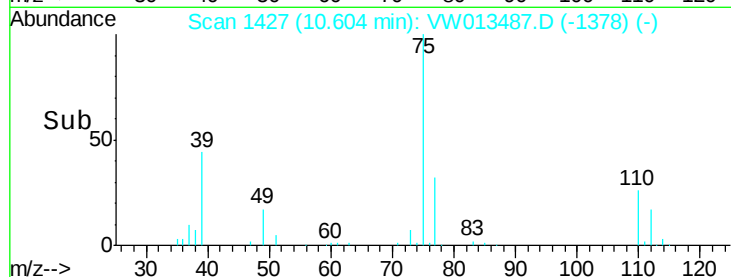
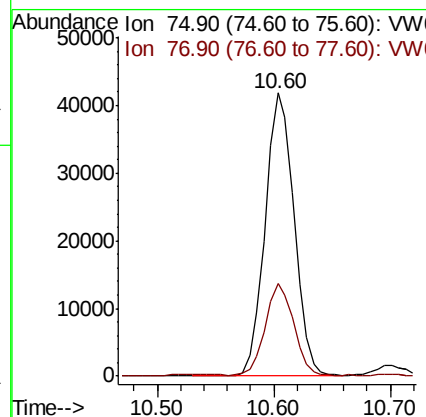
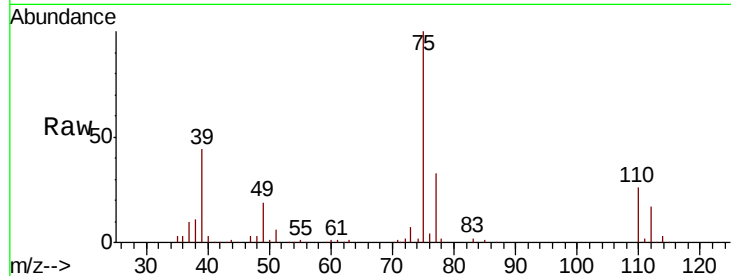
#53
 t-1,3-Dichloropropene
 Concen: 21.733 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.2	37.8

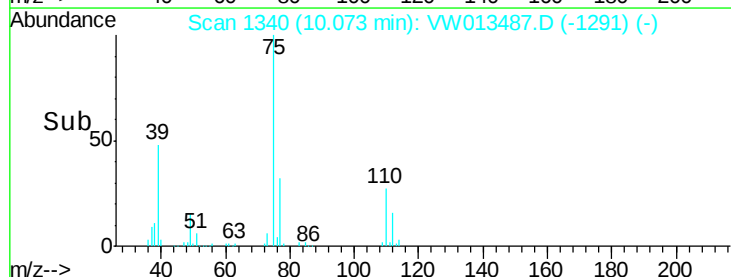
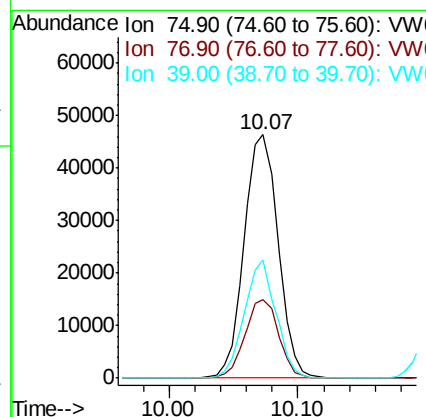
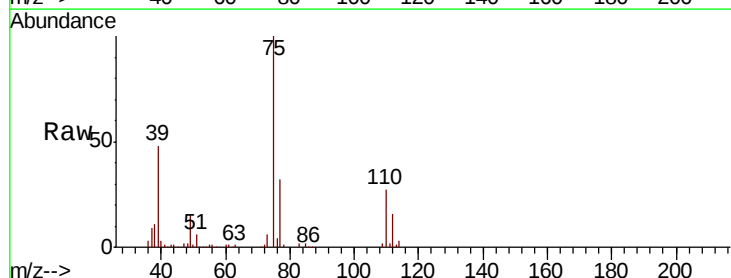
Manual Integrations
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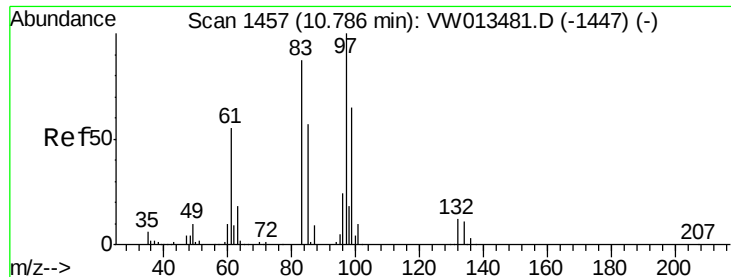
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#54
 cis-1,3-Dichloropropene
 Concen: 20.996 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.5	27.0	40.4
39	48.5	35.0	52.4





#55

1,1,2-Trichloroethane

Concen: 21.972 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

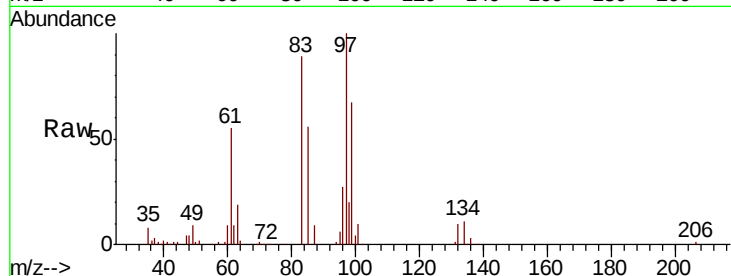
ClientSampleId :

VW1008SBS01

Tot Ion:	97	Resp:	42311
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.8	104.8
85	56.5	45.4	68.0
99	67.1	51.9	77.9

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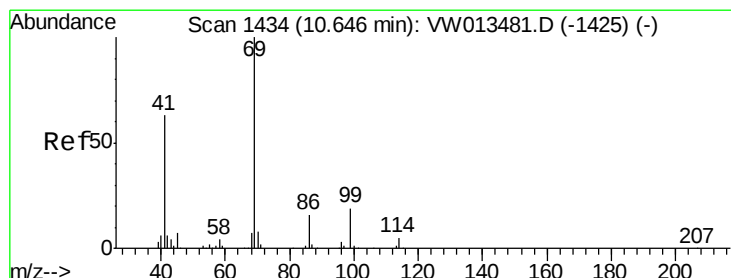
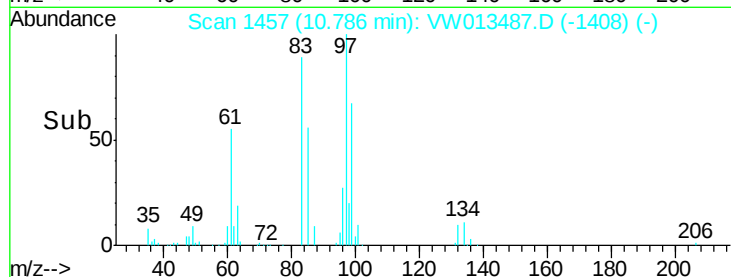
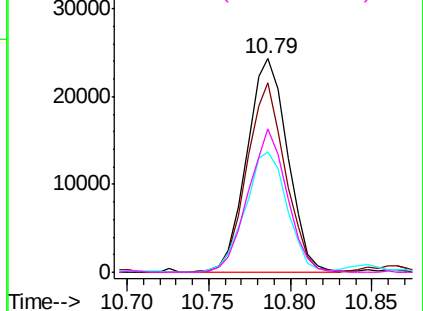
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 22.927 ug/l

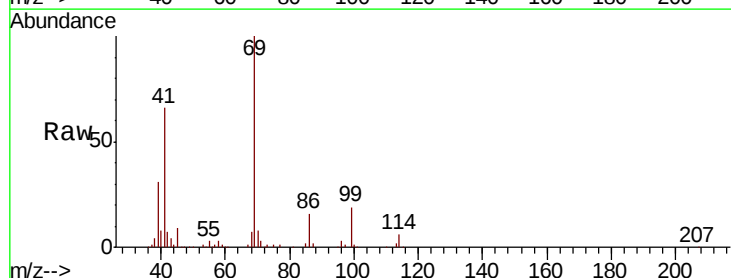
RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	69	Resp:	59462
Ion	Ratio	Lower	Upper
69	100		
41	63.0	51.8	77.6
39	28.9	21.7	32.5

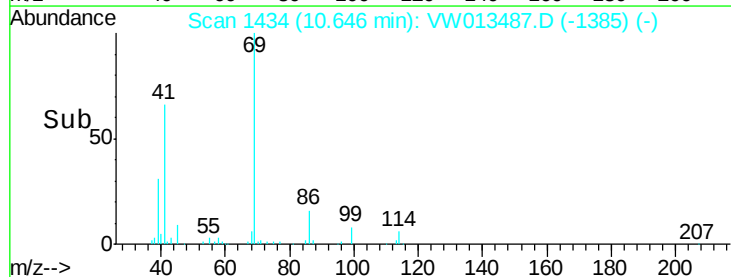
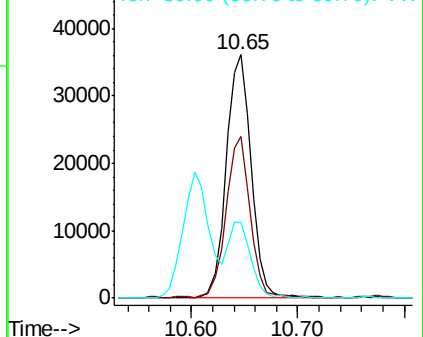


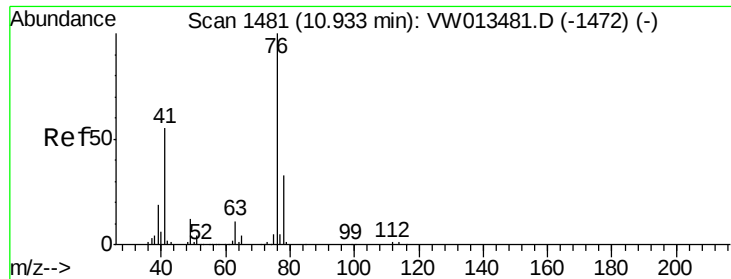
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





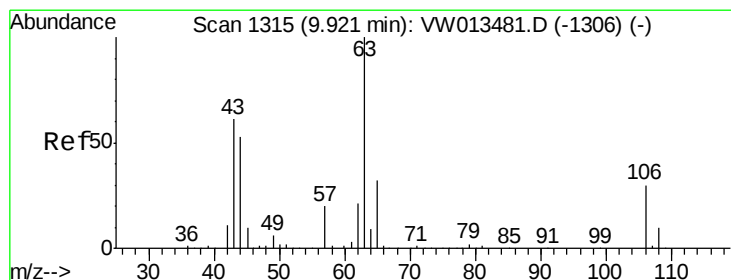
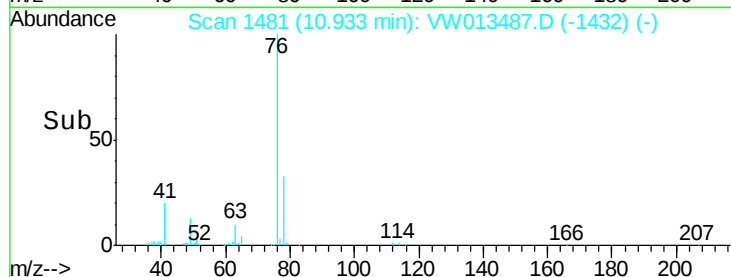
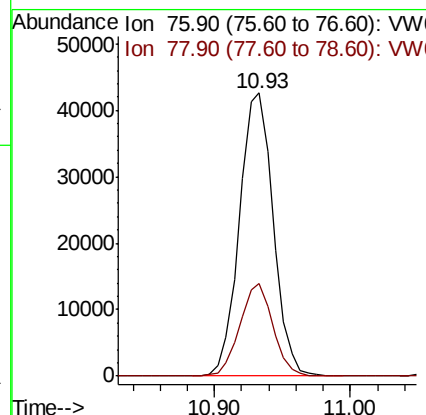
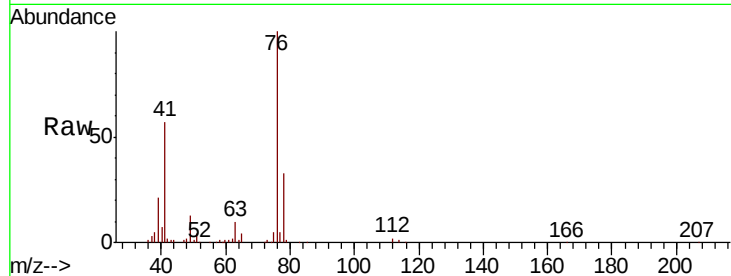
#57
 1,3-Dichloropropane
 Concen: 22.311 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion: 76 Resp: 73774
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.9 38.9

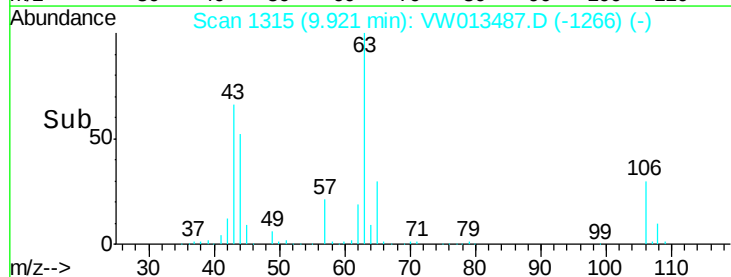
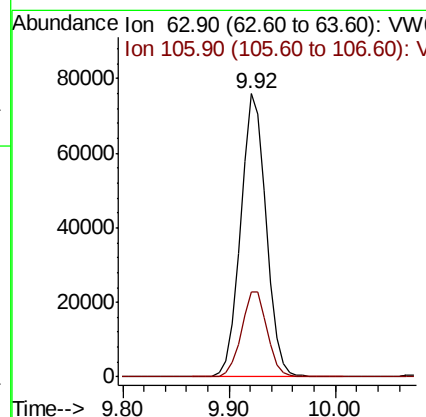
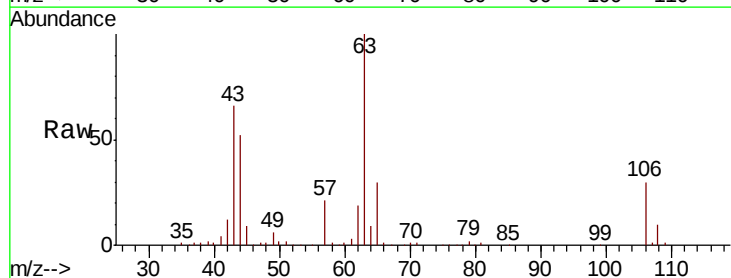
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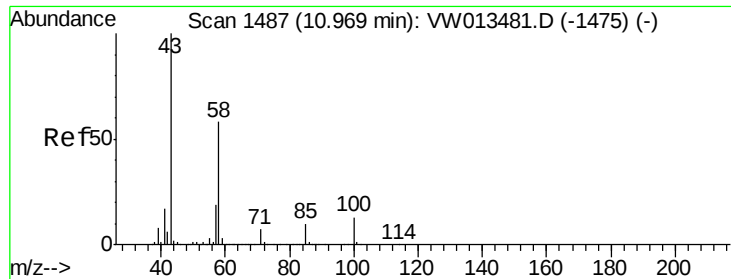
MMDadoda
 10/9/2019 4:09:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.293 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion: 63 Resp: 127611
 Ion Ratio Lower Upper
 63 100
 106 30.4 24.5 36.7





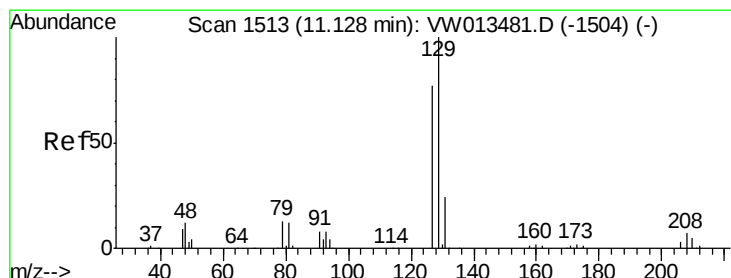
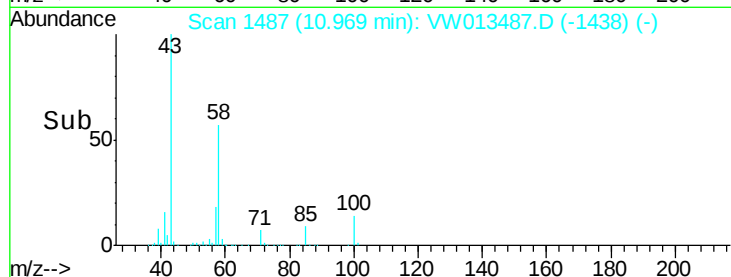
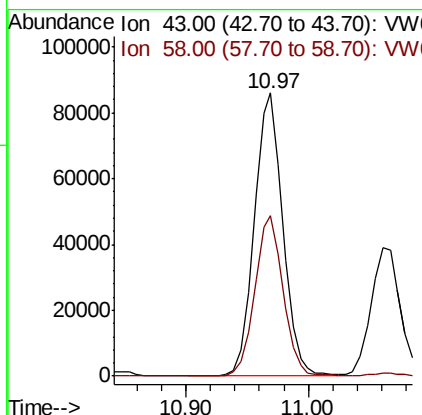
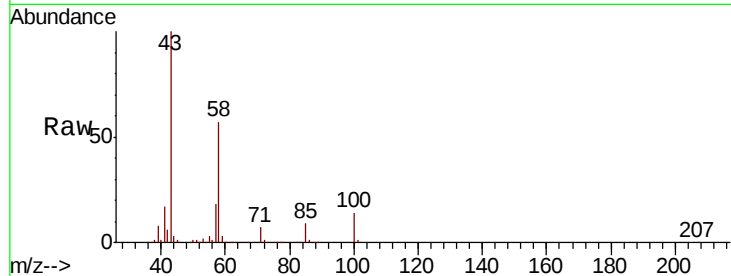
#59
2-Hexanone
Concen: 123.254 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.3	28.4	85.2

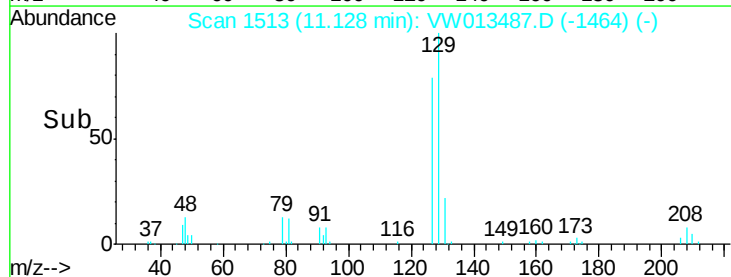
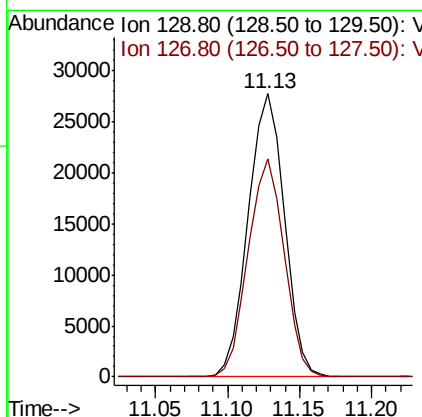
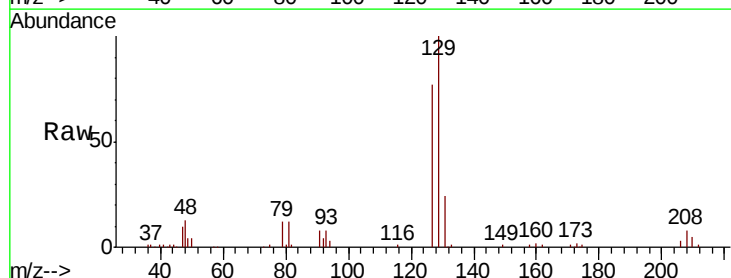
Manual Integrations
APPROVED

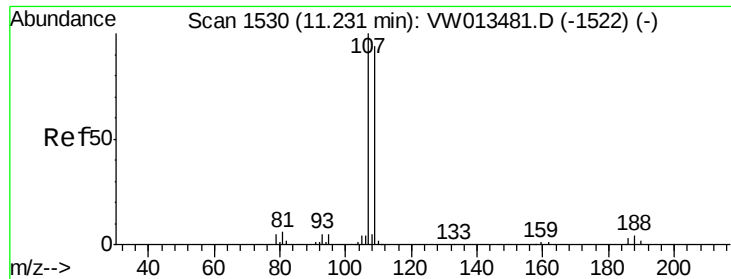
MMDadoda
10/9/2019 4:09:49 PM



#60
Dibromochloromethane
Concen: 21.861 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.4	37.4	112.1





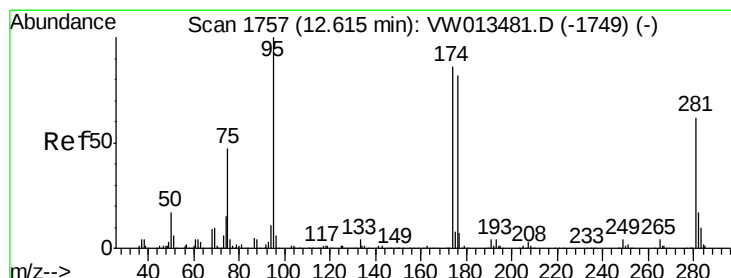
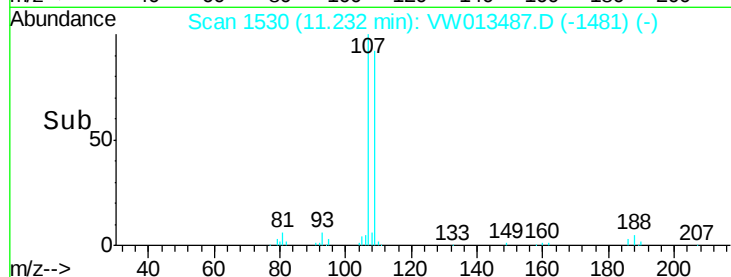
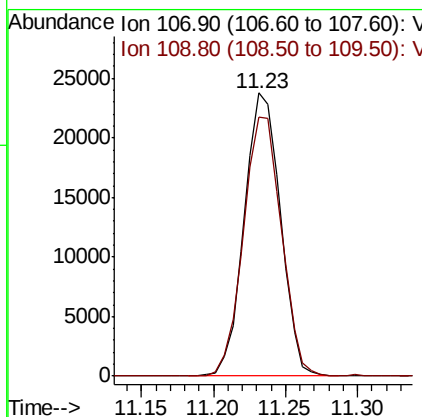
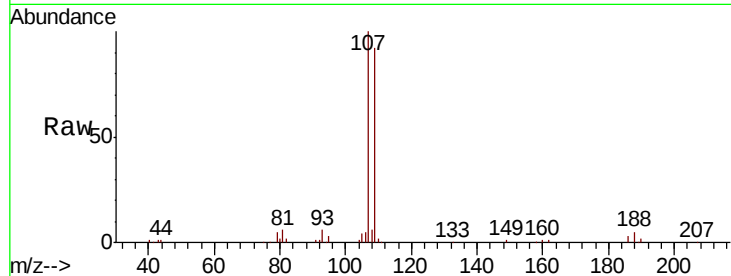
#61
 1,2-Dibromoethane
 Concen: 22.538 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.3	76.6	115.0

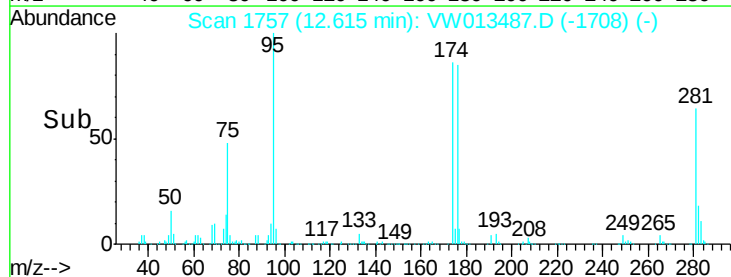
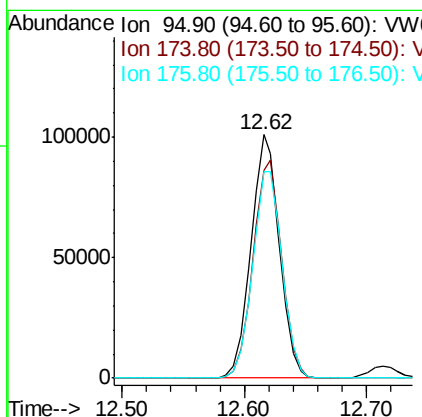
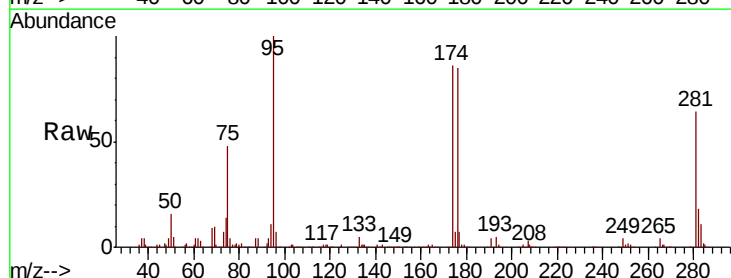
Manual Integrations
 APPROVED

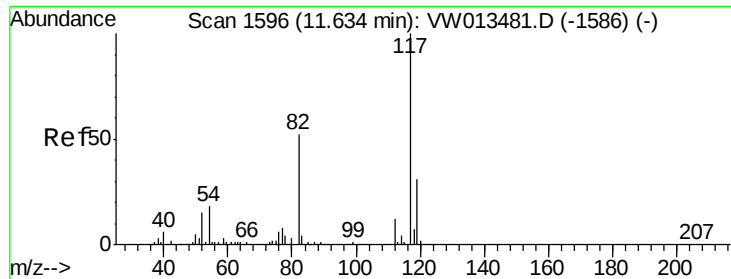
MMDadoda
 10/9/2019 4:09:49 PM



#62
 4-Bromofluorobenzene
 Concen: 48.607 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.6	0.0	177.4
176	88.6	0.0	173.4





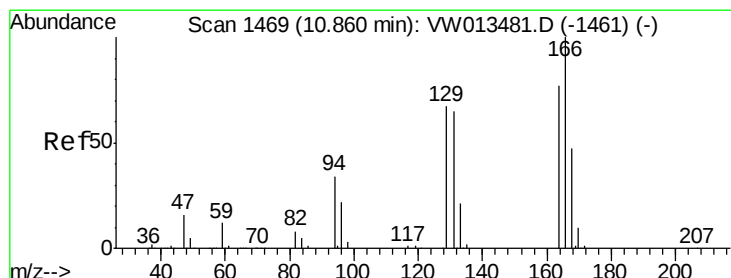
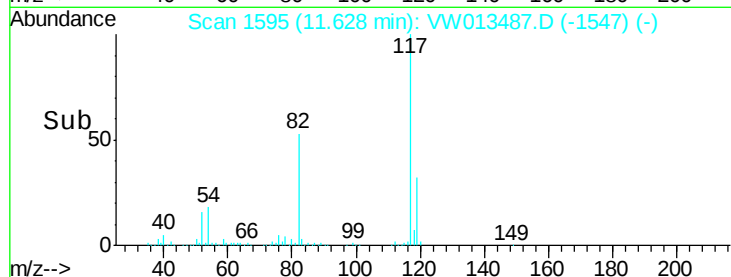
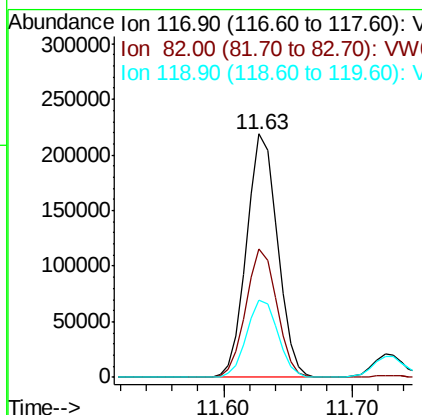
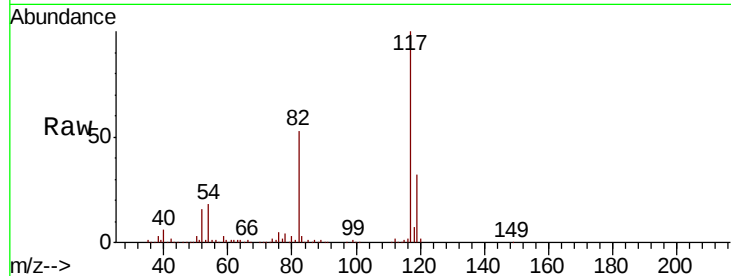
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	362849		
82	52.8		41.4	62.2
119	31.6		25.1	37.7

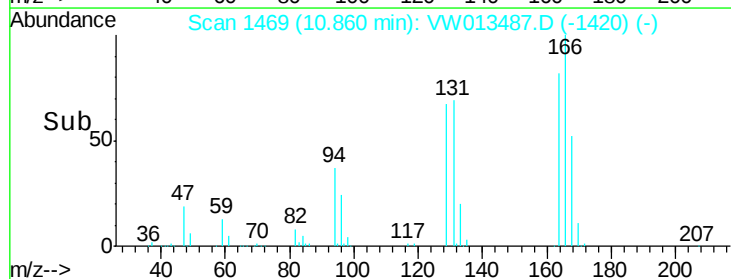
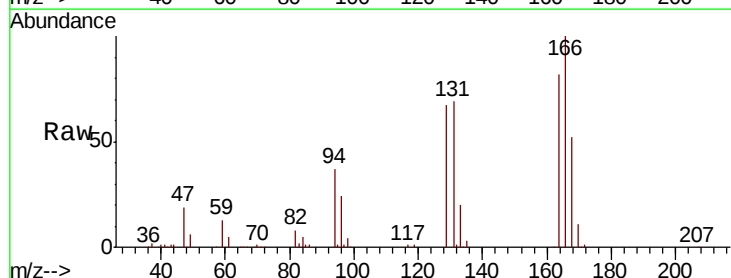
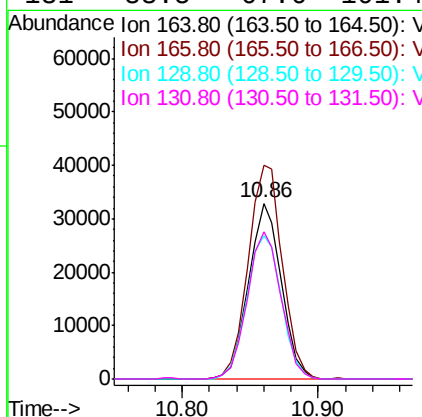
Manual Integrations
APPROVED

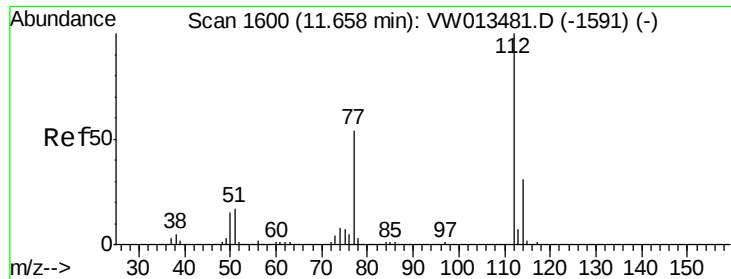
MMDadoda
10/9/2019 4:09:49 PM



#64
Tetrachloroethene
Concen: 20.751 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	55415		
166	121.5		104.6	156.8
129	81.4		70.2	105.2
131	83.5		67.6	101.4





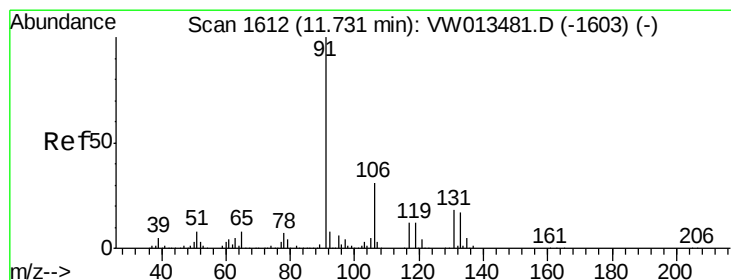
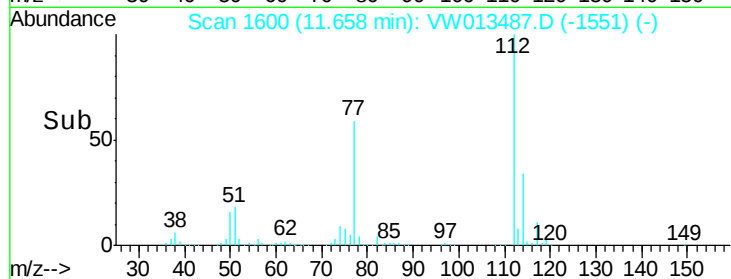
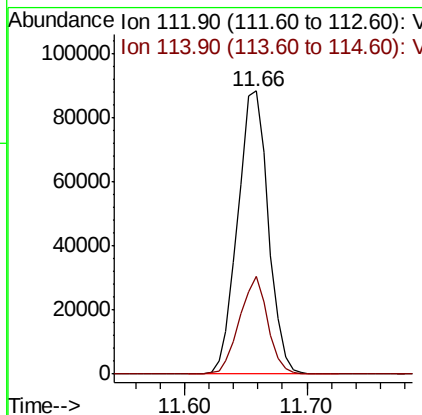
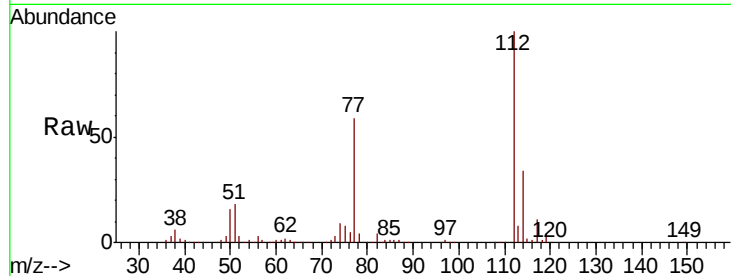
#65
Chlorobenzene
Concen: 21.251 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion:112 Resp: 153220
Ion Ratio Lower Upper
112 100
114 34.4 24.6 37.0

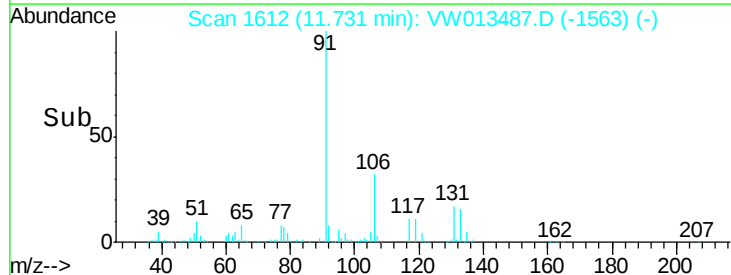
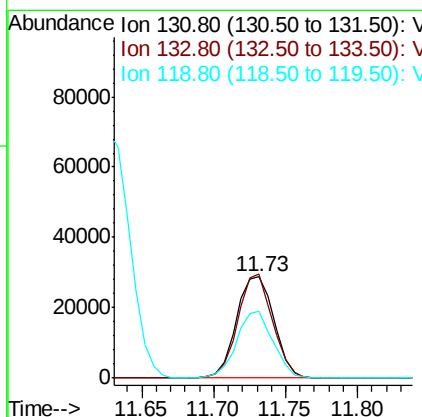
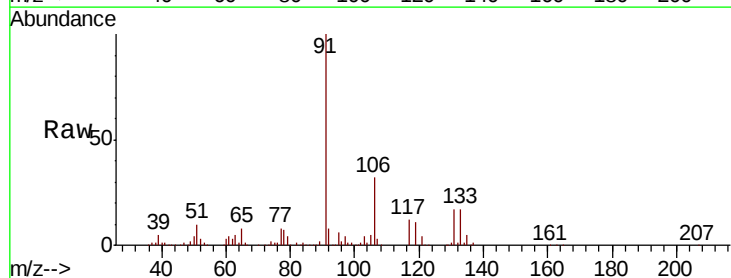
Manual Integrations
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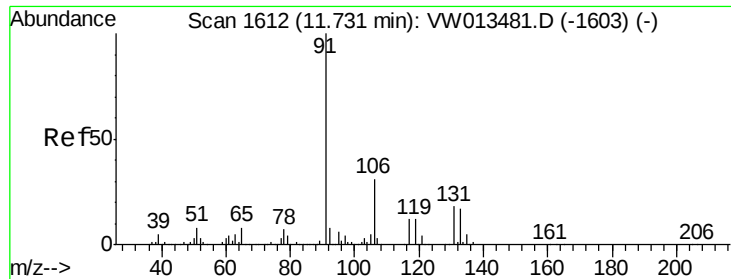
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.829 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:131 Resp: 52166
Ion Ratio Lower Upper
131 100
133 94.2 47.6 142.9
119 63.9 32.6 98.0





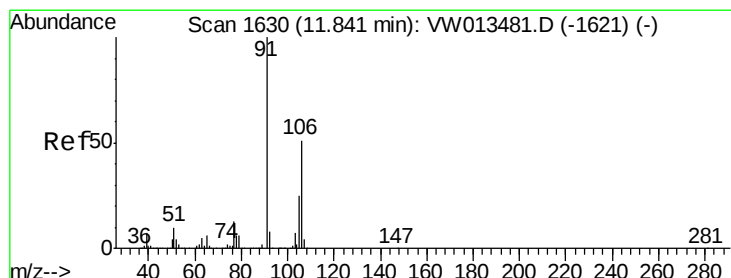
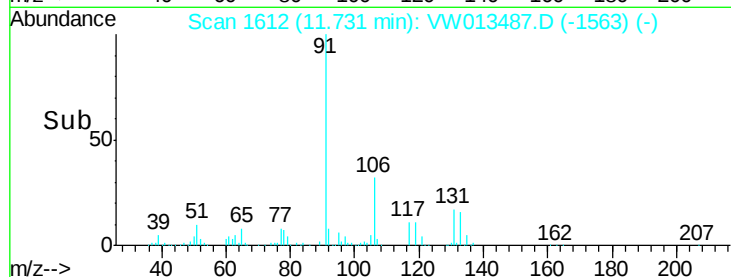
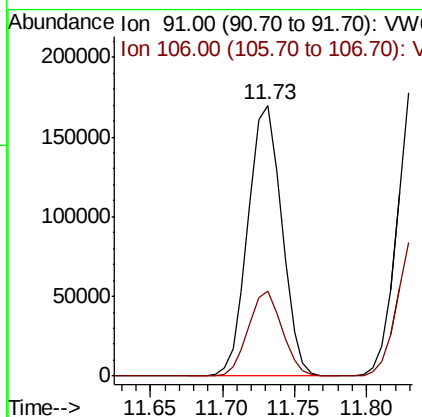
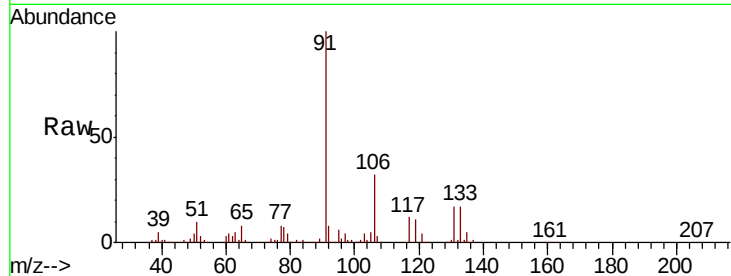
#67
Ethyl Benzene
Concen: 20.963 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.6	24.8	37.2

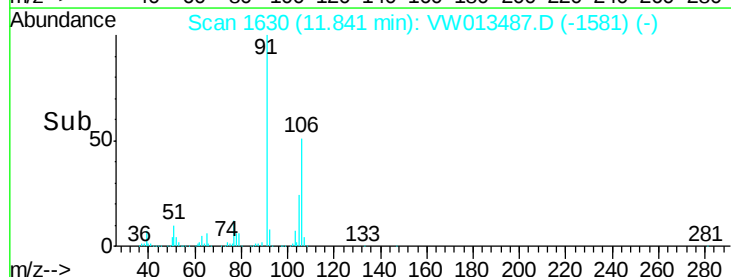
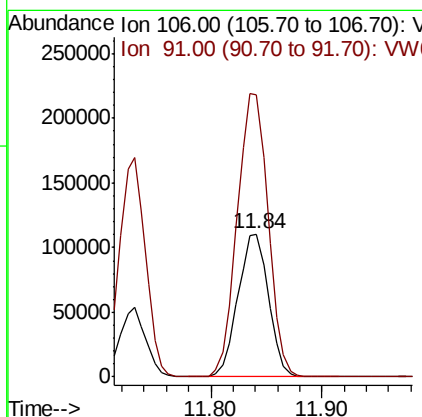
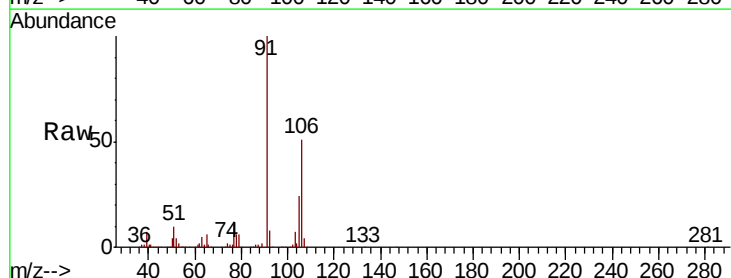
Manual Integrations
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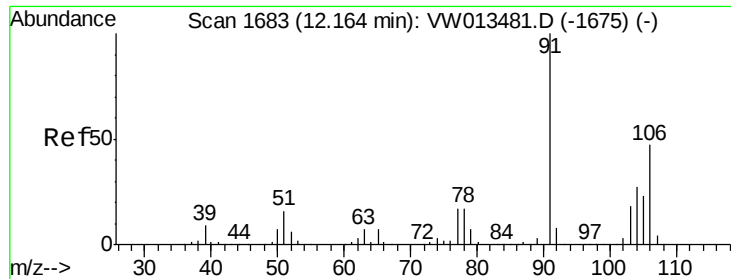
MMDadoda
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#68
m/p-Xylenes
Concen: 42.098 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.8	156.2	234.4





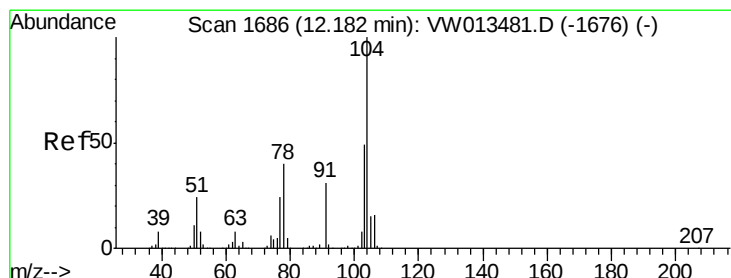
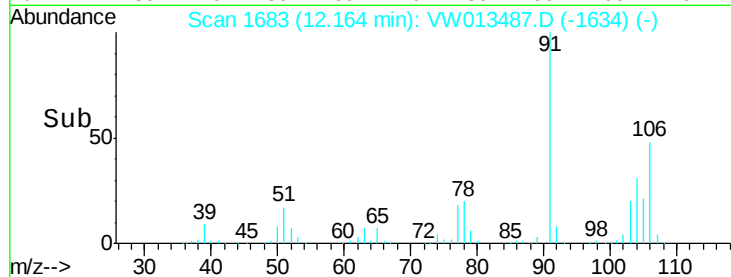
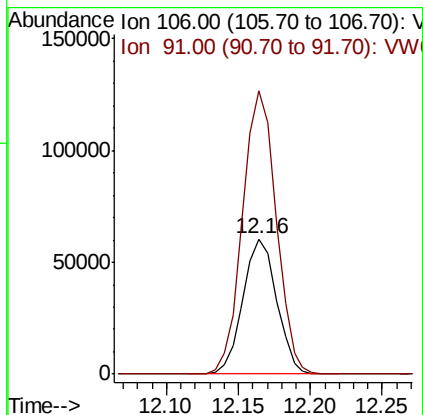
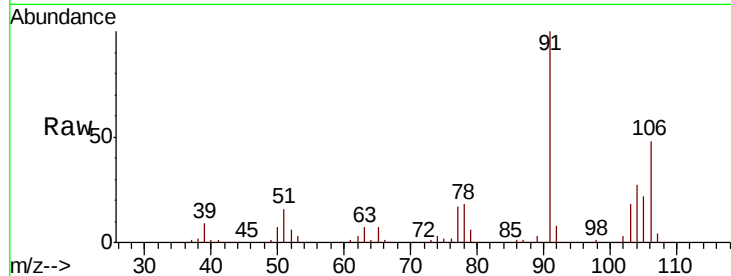
#69
o-Xylene
Concen: 21.171 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion:106 Resp: 98073
Ion Ratio Lower Upper
106 100
91 209.4 105.0 315.0

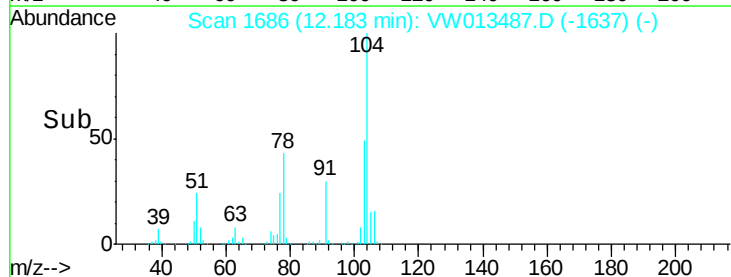
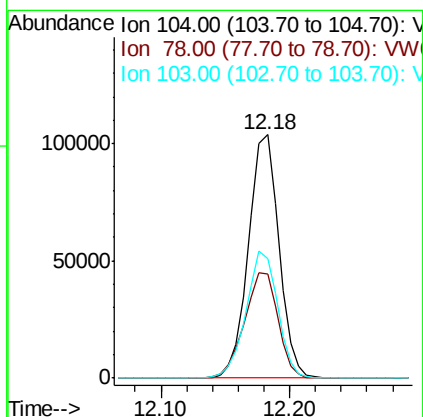
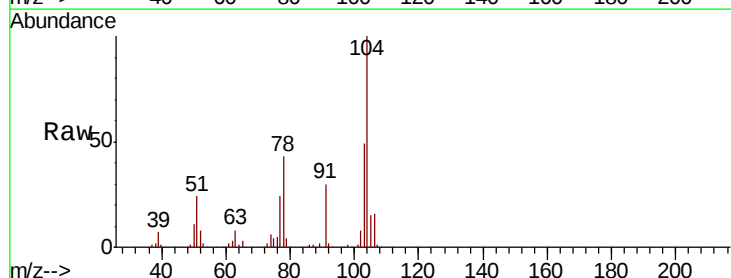
Manual Integrations
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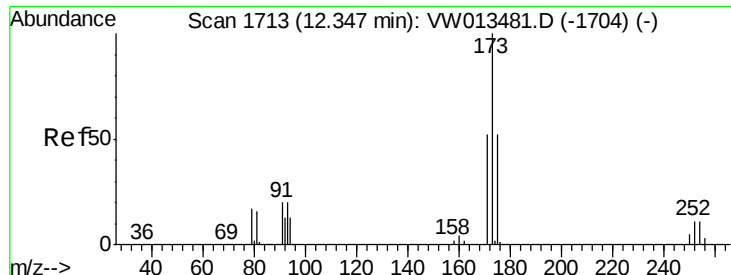
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#70
Styrene
Concen: 21.312 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion:104 Resp: 169512
Ion Ratio Lower Upper
104 100
78 47.7 37.1 55.7
103 54.2 43.2 64.8





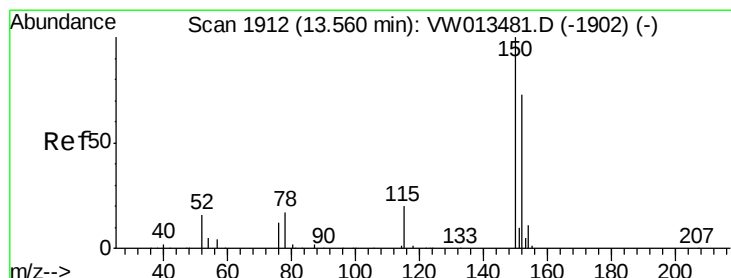
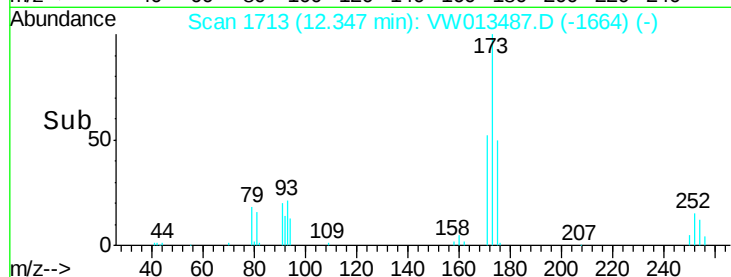
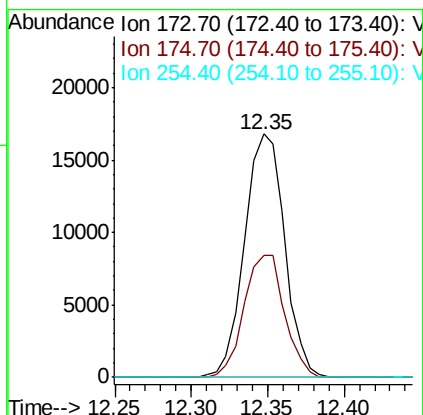
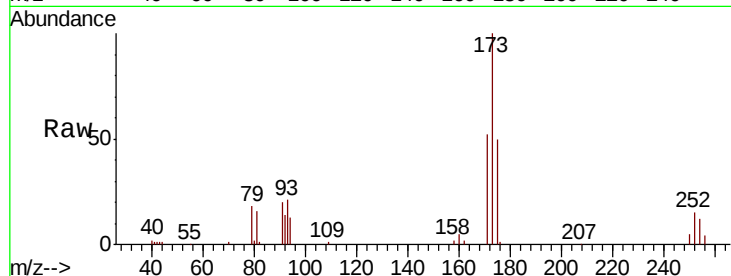
#71
Bromoform
Concen: 22.325 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	24.4	73.4
254	0.0	0.1	0.1#

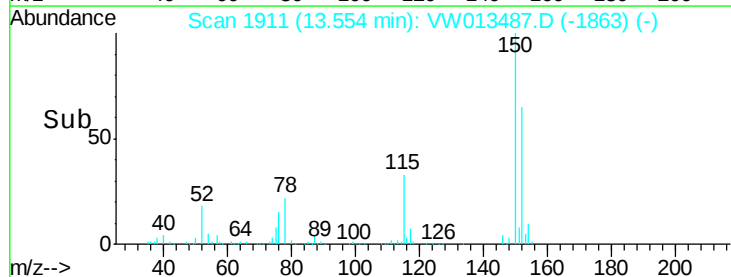
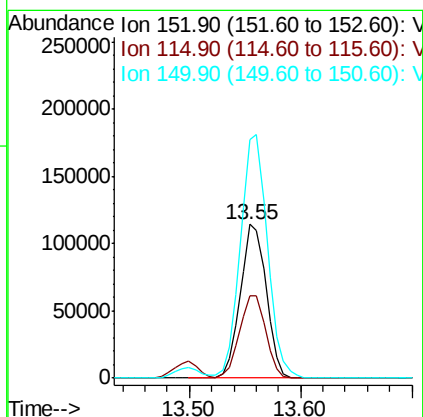
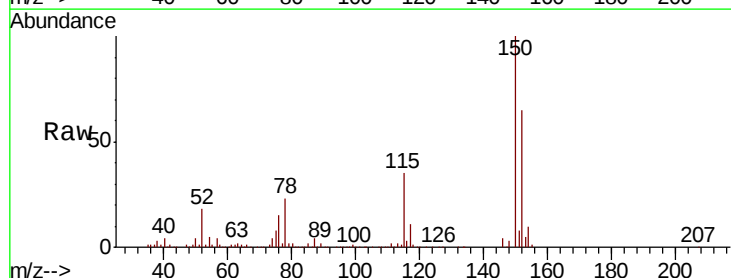
Manual Integrations
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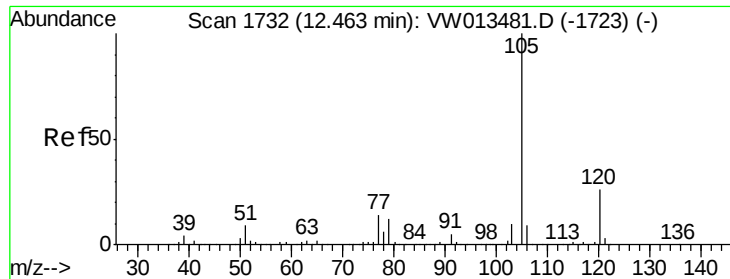
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.55 min Scan# 1911
Delta R.T. -0.01 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.0	81.0
150	165.0	0.0	337.4





#73

Isopropylbenzene

Concen: 20.688 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion:105 Resp: 274547

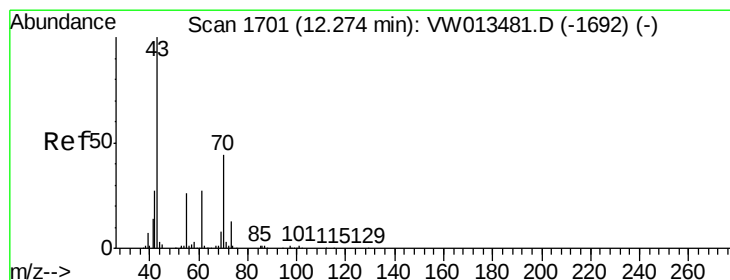
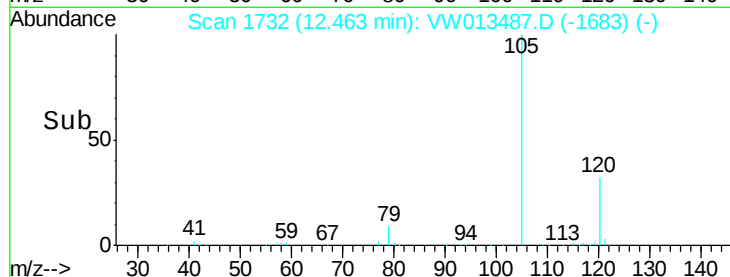
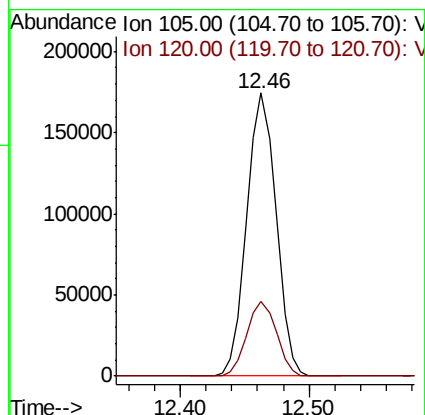
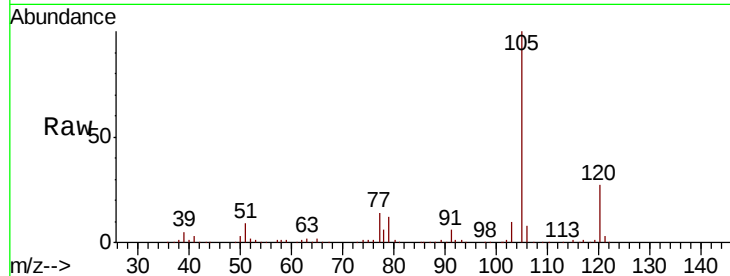
Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 22.833 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion: 43 Resp: 66273

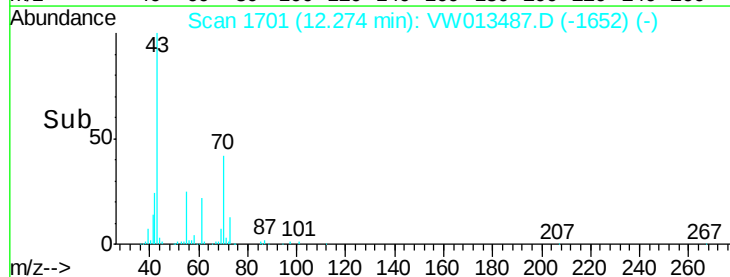
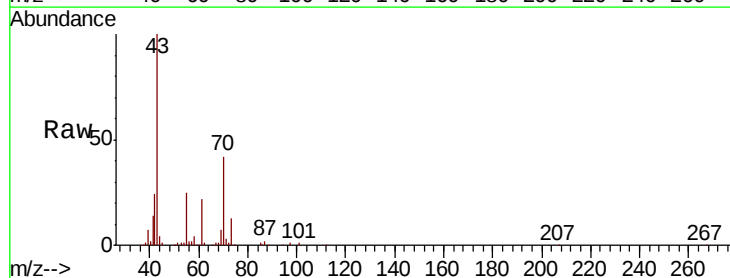
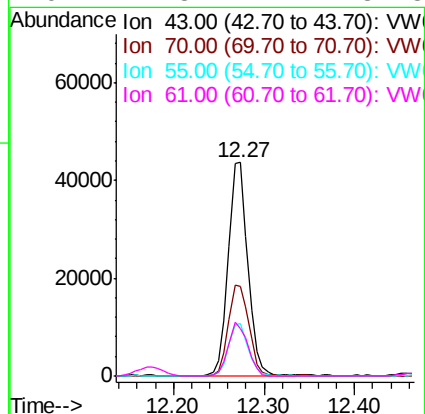
Ion Ratio Lower Upper

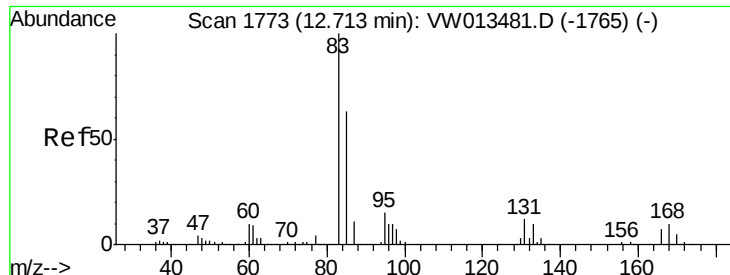
43 100

70 44.5 35.3 52.9

55 24.3 20.0 30.0

61 24.8 21.2 31.8





#75

1,1,2,2-Tetrachloroethane

Concen: 22.777 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

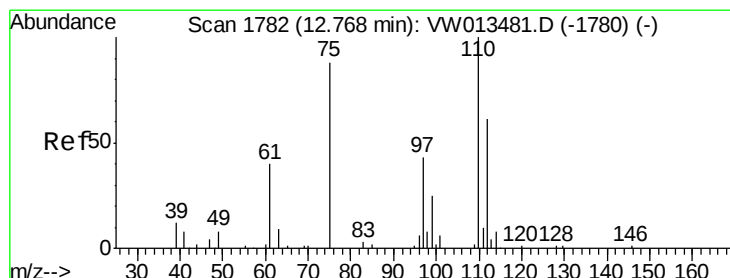
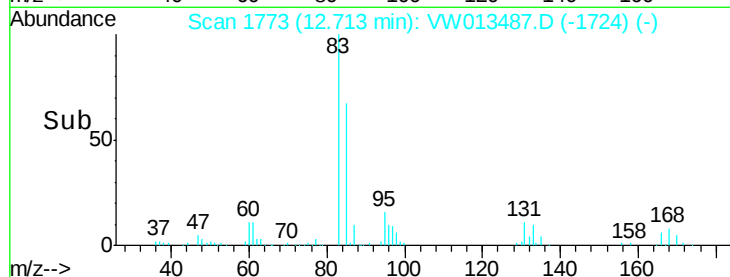
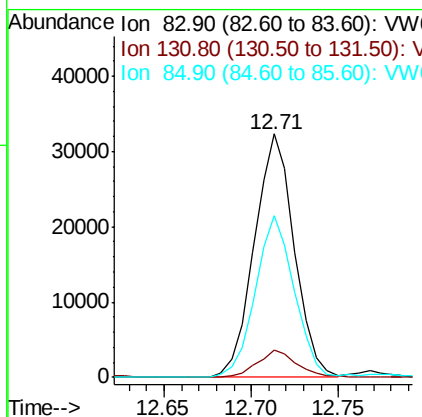
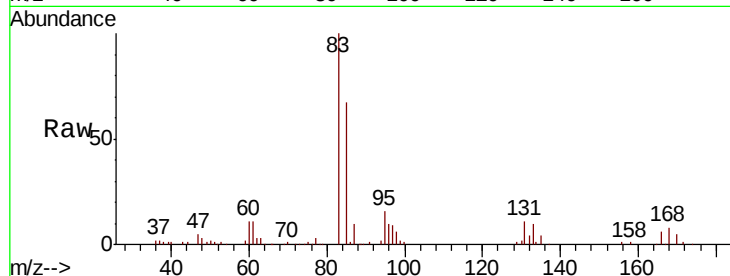
ClientSampleId :

VW1008SBS01

Tot Ion:	83	Resp:	51522
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.9	17.7
85	64.7	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.469 ug/l m

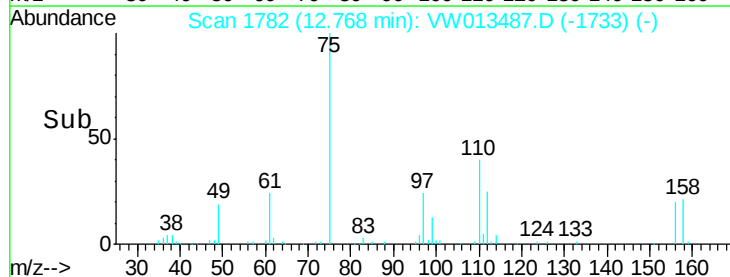
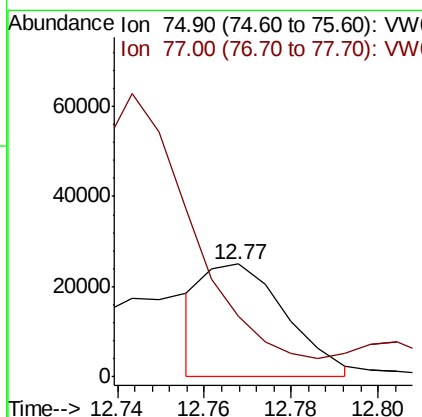
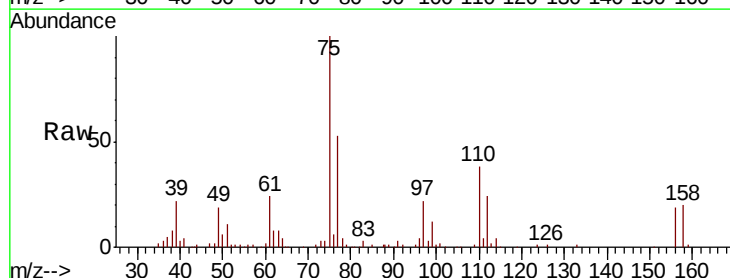
RT: 12.77 min Scan# 1782

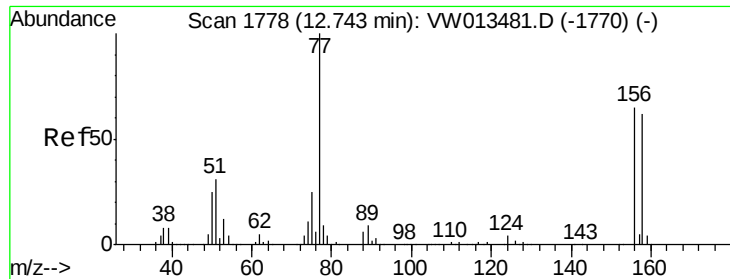
Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	75	Resp:	33127
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.721 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion:156 Resp: 65183

Ion Ratio Lower Upper

156 100

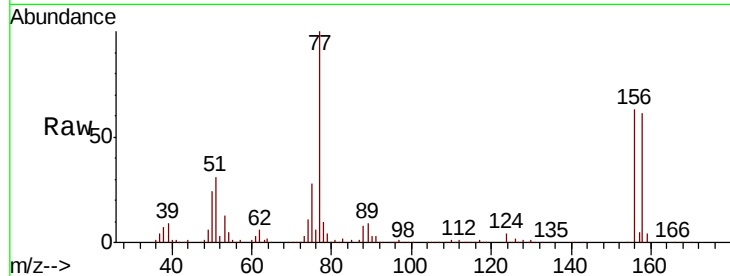
77 174.7 83.7 251.0

158 97.0 49.0 147.0

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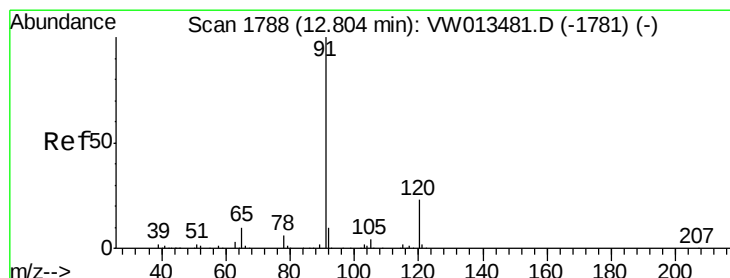
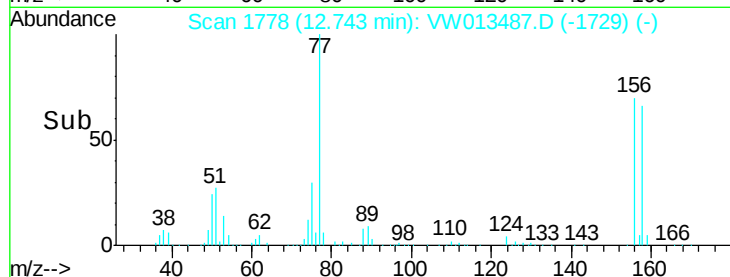
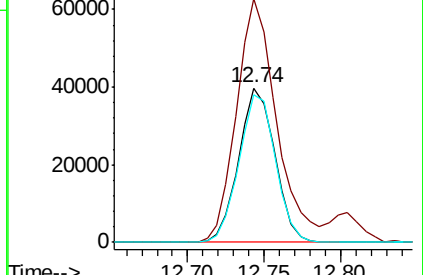
10/9/2019 4:09:49 PM



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: 20.983 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013487.D

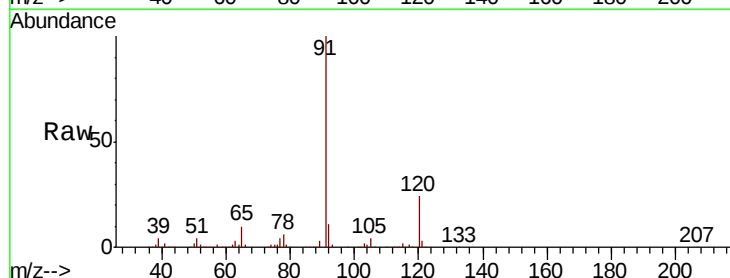
Acq: 08 Oct 2019 15:27

Tgt Ion: 91 Resp: 322002

Ion Ratio Lower Upper

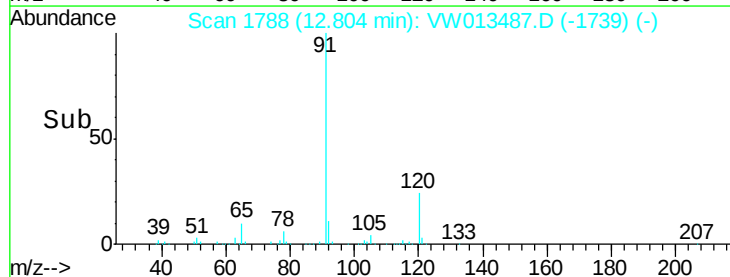
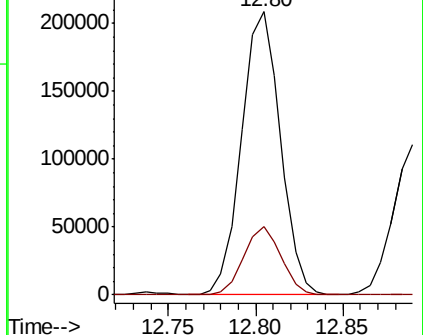
91 100

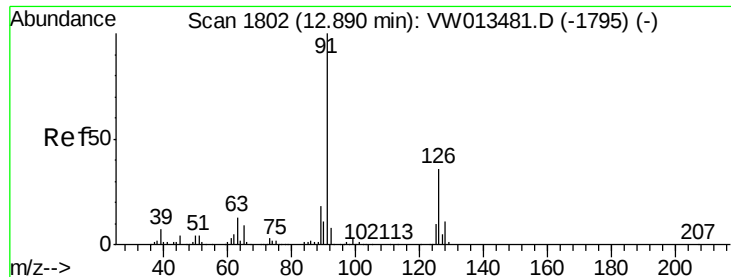
120 23.2 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.027 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

ClientSampleId :

VW1008SBS01

Tot Ion: 91 Resp: 180790

Ion Ratio Lower Upper

91 100

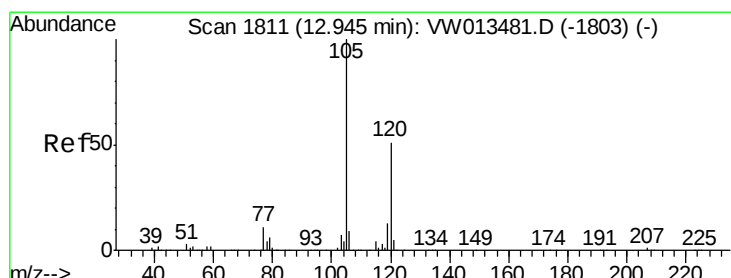
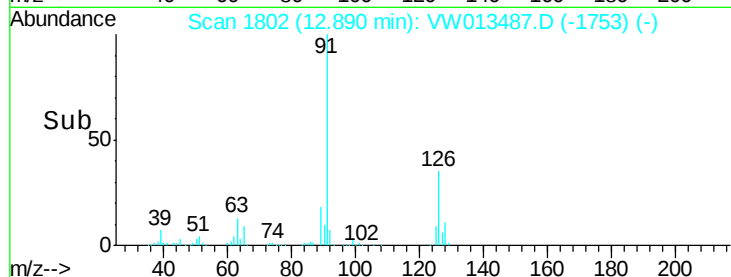
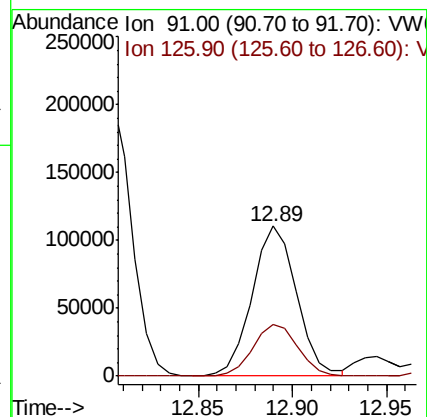
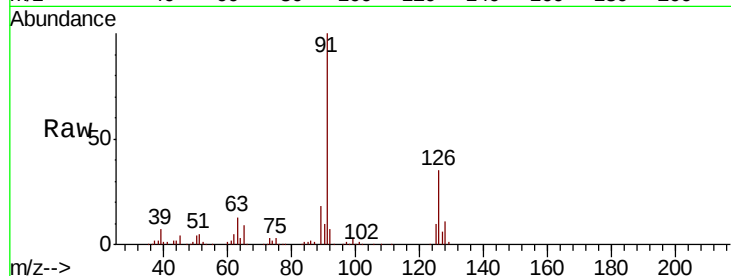
126 34.4 17.8 53.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.646 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013487.D

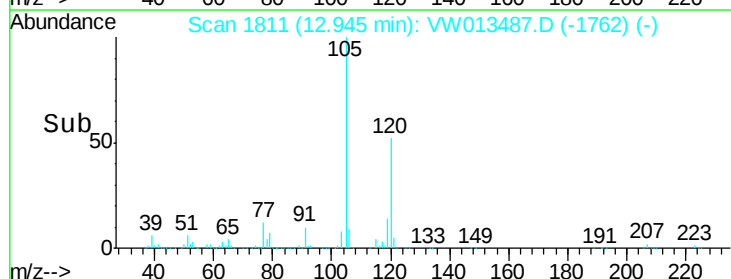
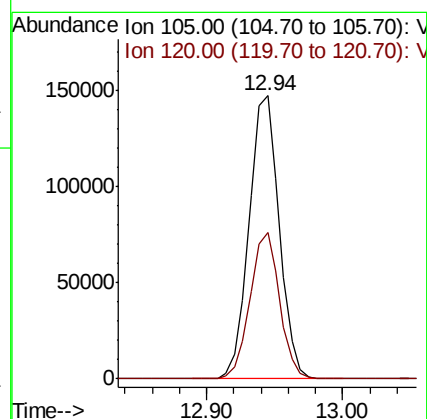
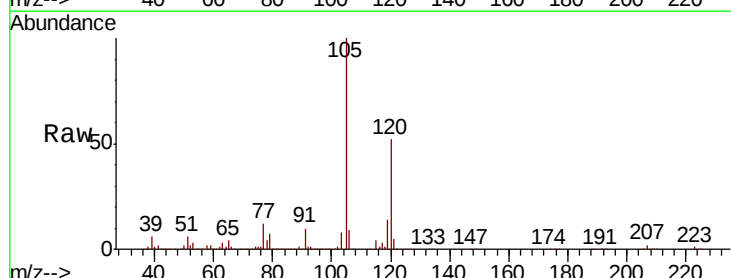
Acq: 08 Oct 2019 15:27

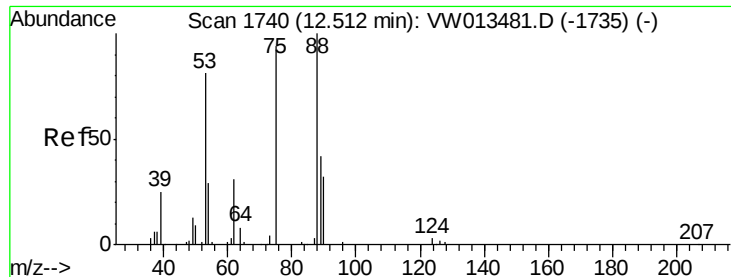
Tgt Ion:105 Resp: 227655

Ion Ratio Lower Upper

105 100

120 51.0 25.4 76.0





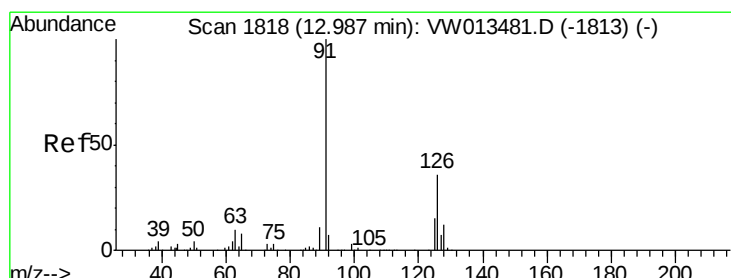
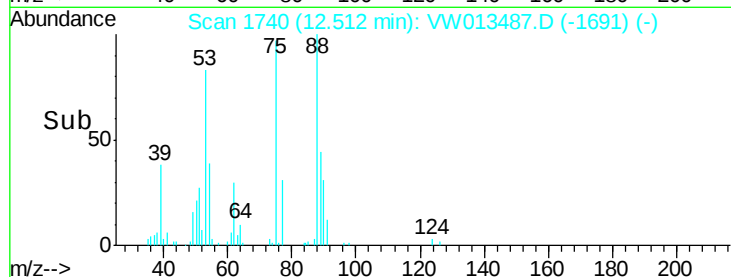
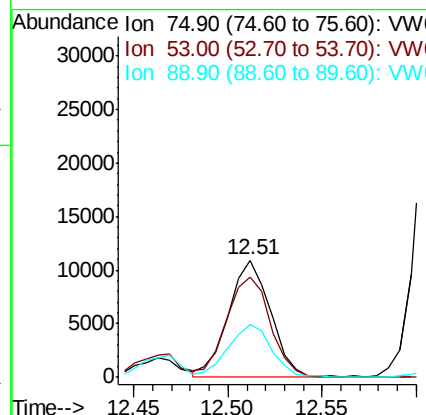
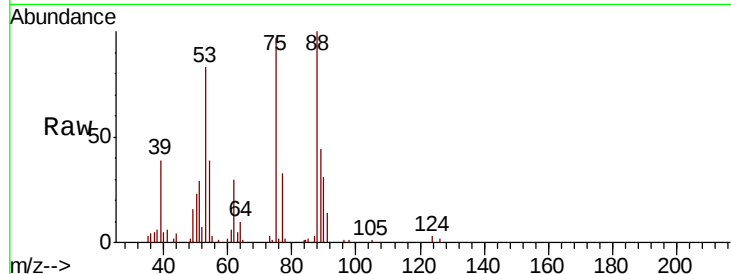
#81
trans-1,4-Dichloro-2-butene
Concen: 21.824 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.2	71.0	106.6
89	48.3	36.1	54.1

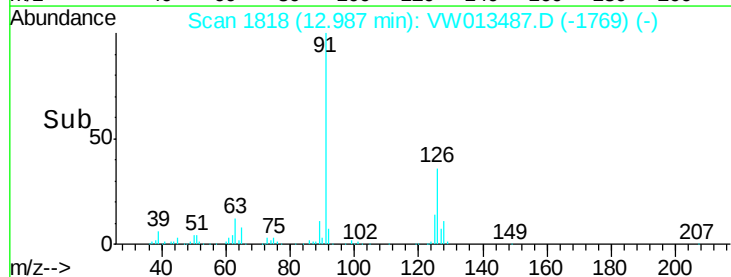
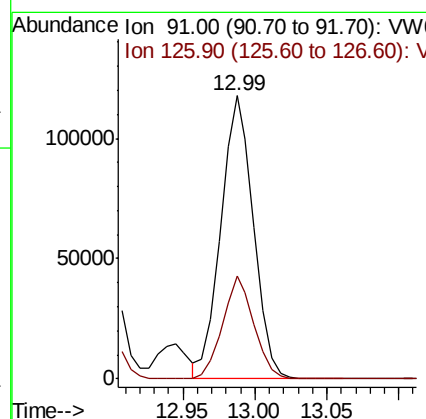
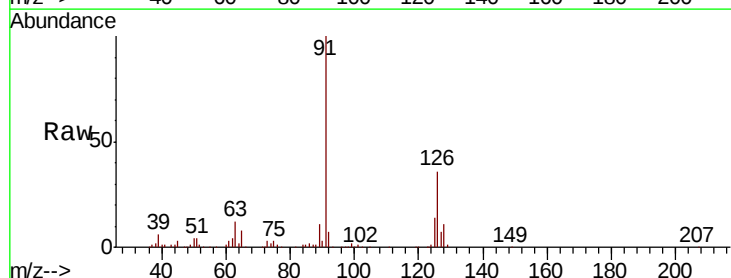
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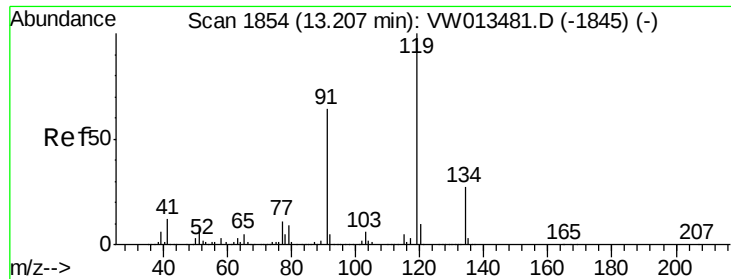
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#82
4-Chlorotoluene
Concen: 20.835 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.6





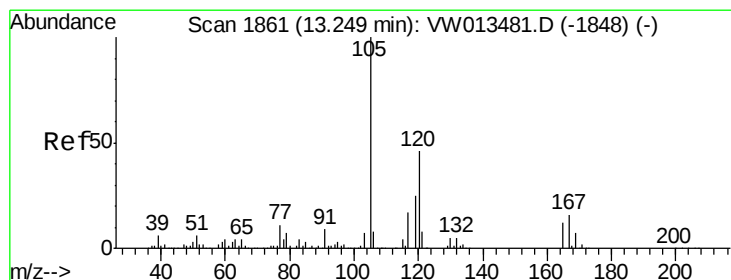
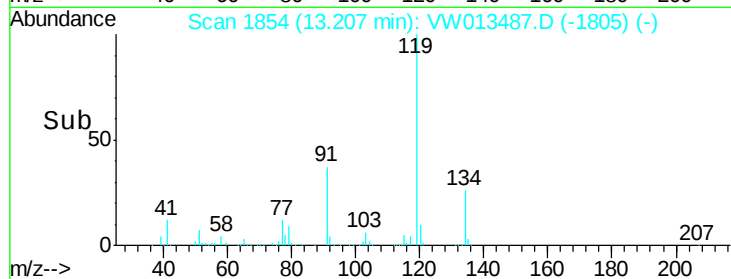
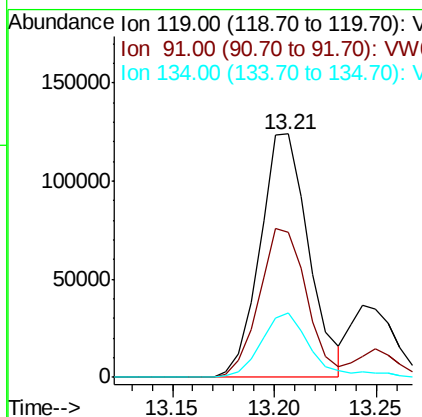
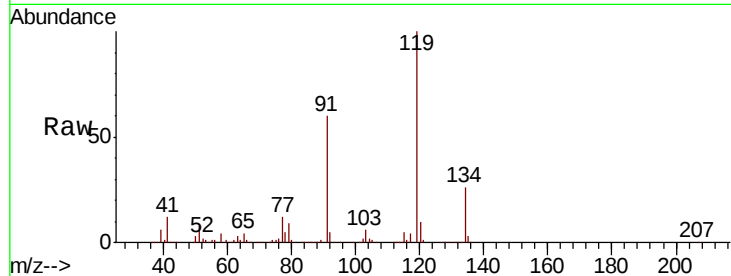
#83
tert-Butylbenzene
Concen: 21.039 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	206026		
91	59.6		30.6	91.6
134	27.3		13.8	41.3

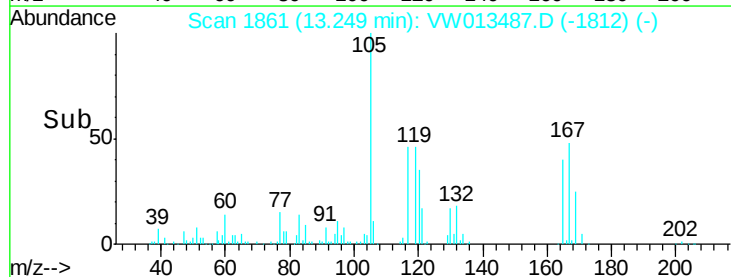
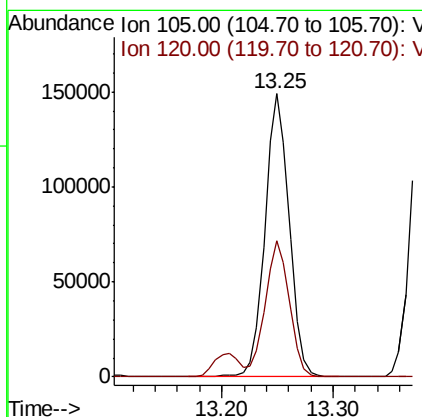
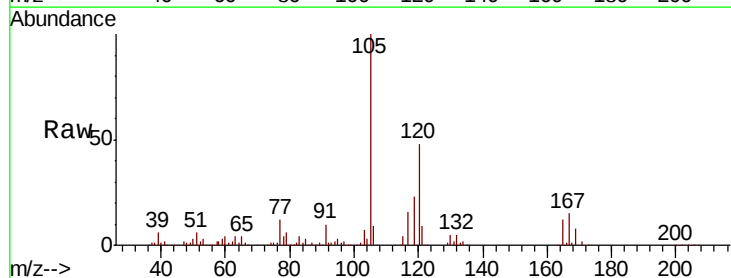
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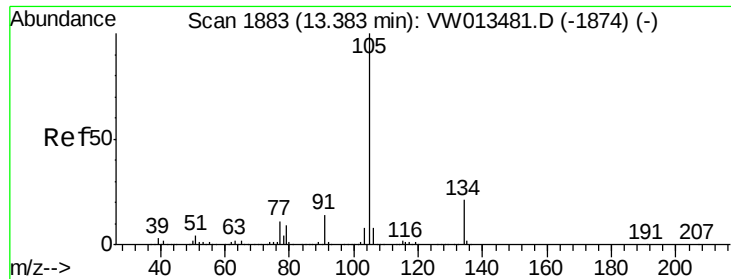
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#84
1,2,4-Trimethylbenzene
Concen: 20.768 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	226487		
120	48.3		23.2	69.5





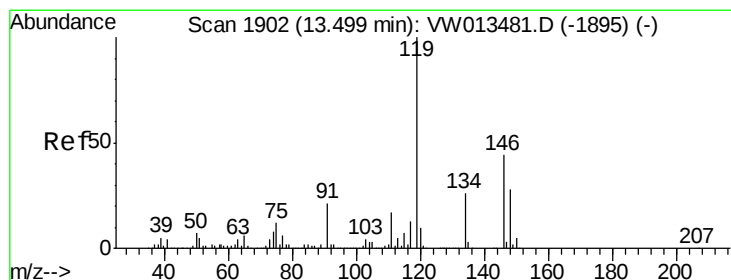
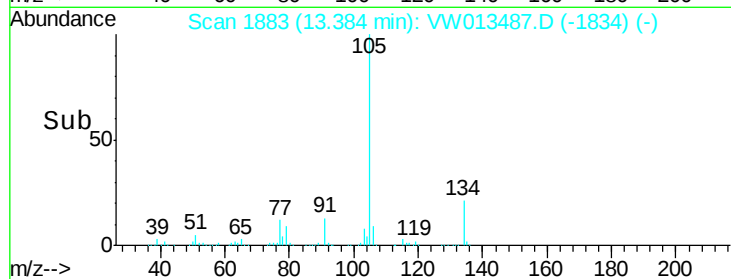
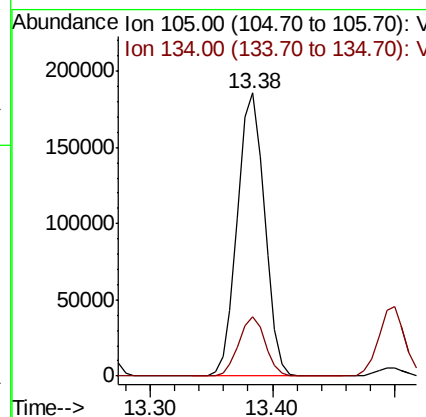
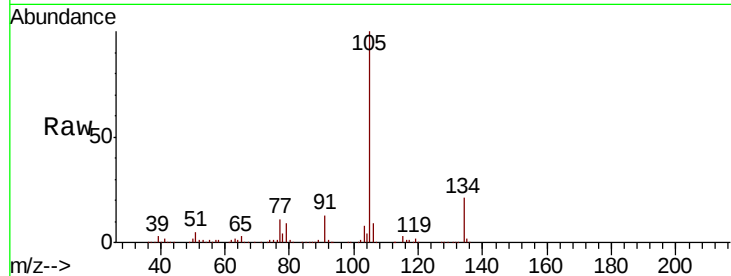
#85
 sec-Butylbenzene
 Concen: 21.174 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.4

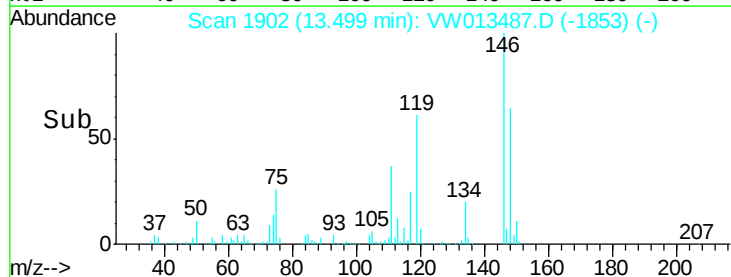
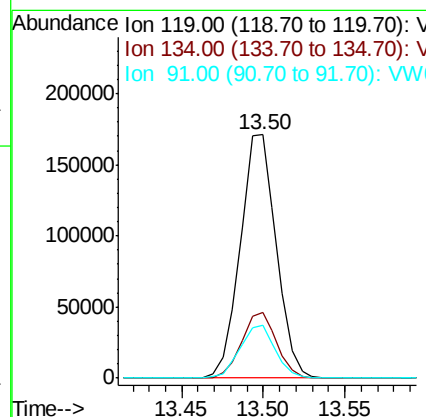
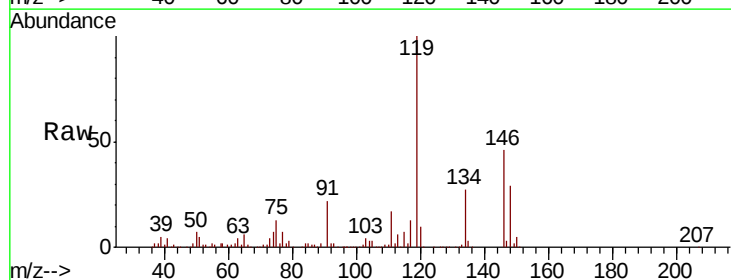
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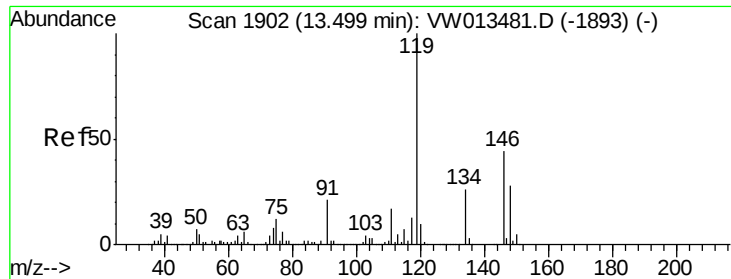
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#86
 p-Isopropyltoluene
 Concen: 21.119 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.1	39.1
91	21.5	10.8	32.3





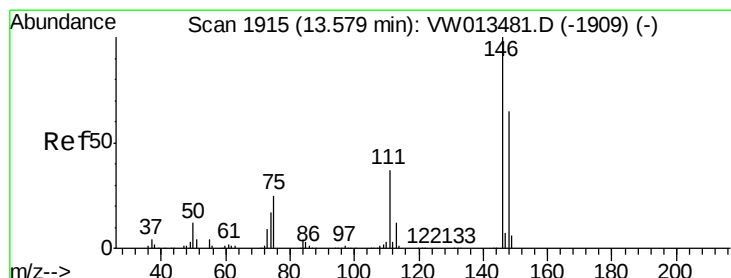
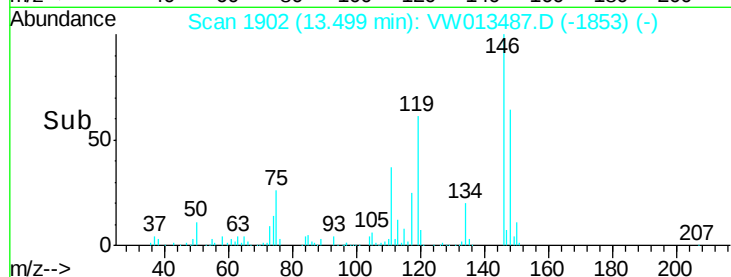
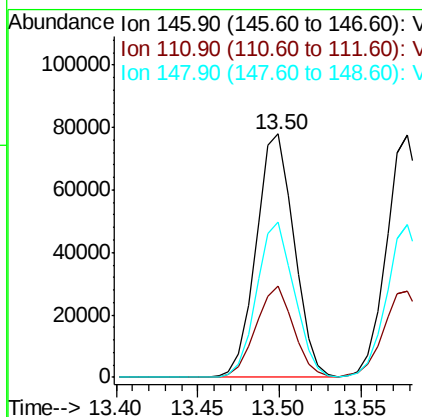
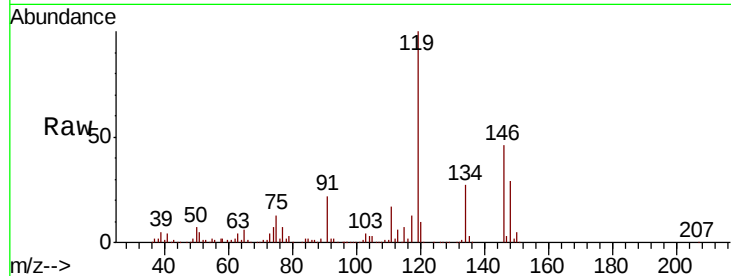
#87
 1,3-Dichlorobenzene
 Concen: 21.088 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.7	56.1
148	63.0	32.3	96.8

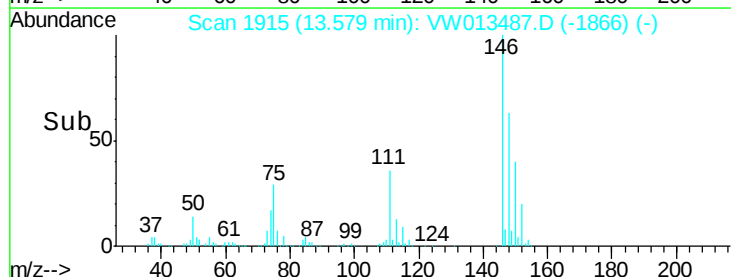
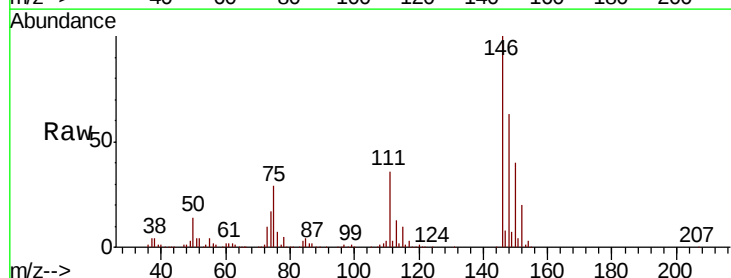
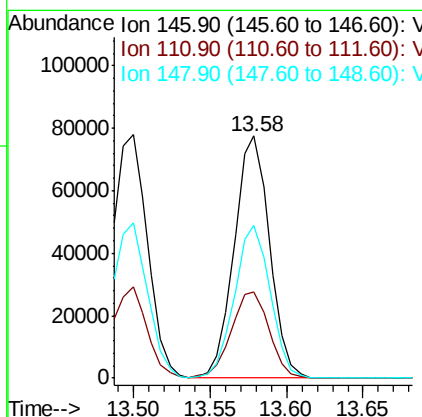
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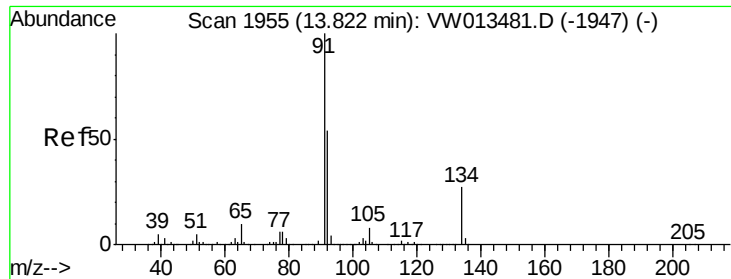
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#88
 1,4-Dichlorobenzene
 Concen: 21.233 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.4	55.4
148	64.1	32.0	96.2





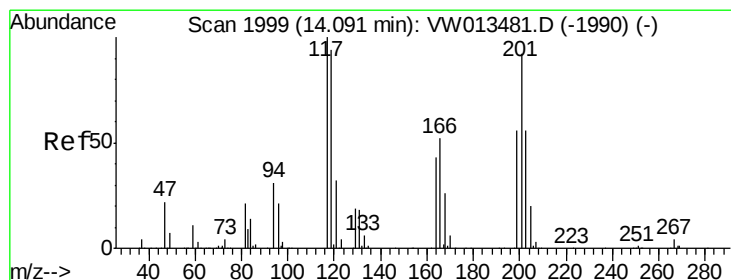
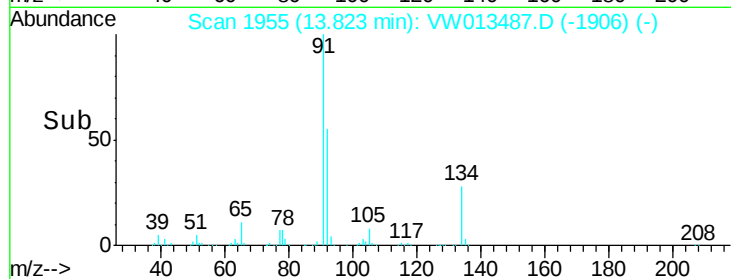
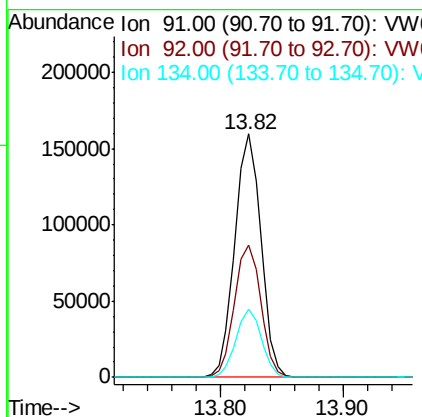
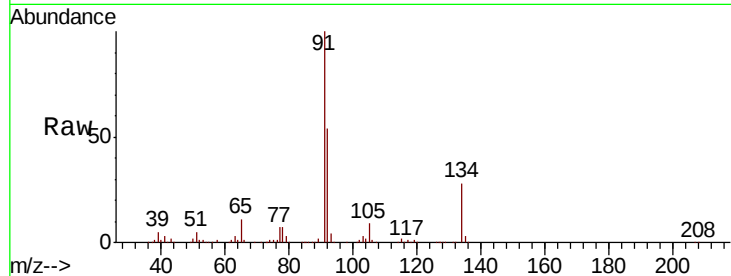
#89
n-Butylbenzene
Concen: 21.008 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Instrument :
MSVOA_W
ClientSampleId :
VW1008SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	235930		
92	55.0		27.5	82.4
134	27.5		13.8	41.3

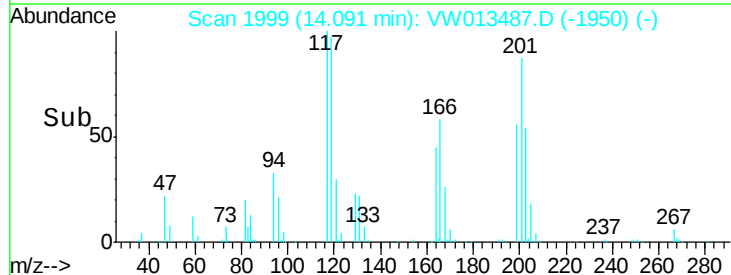
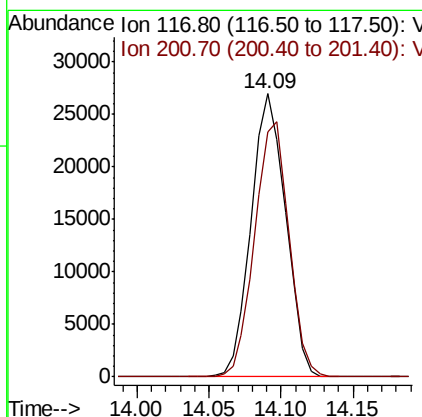
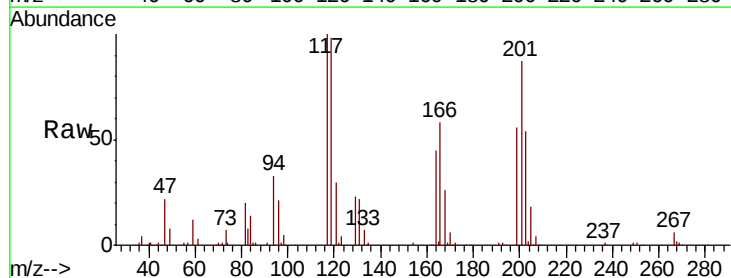
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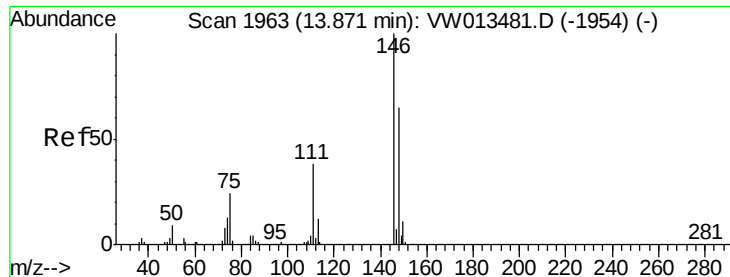
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#90
Hexachloroethane
Concen: 21.068 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013487.D
Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	44815		
201	89.2		46.9	140.7





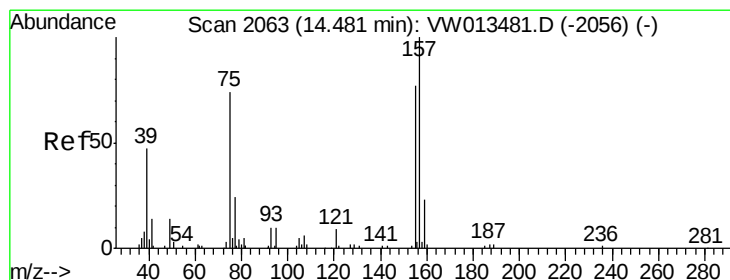
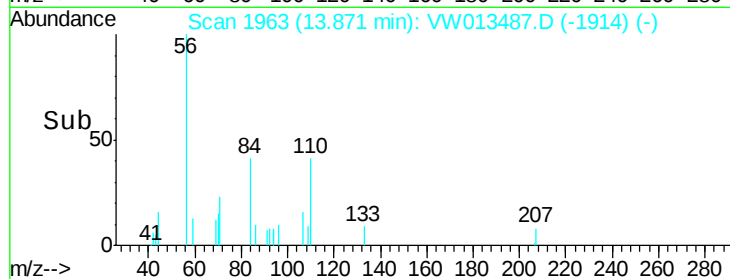
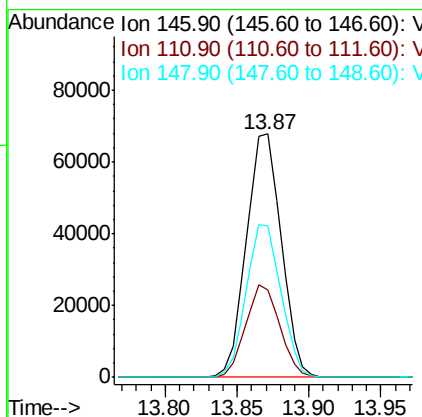
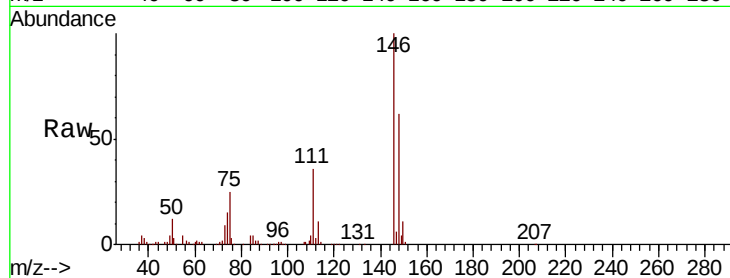
#91
 1,2-Dichlorobenzene
 Concen: 21.607 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.4	58.2
148	62.7	31.8	95.3

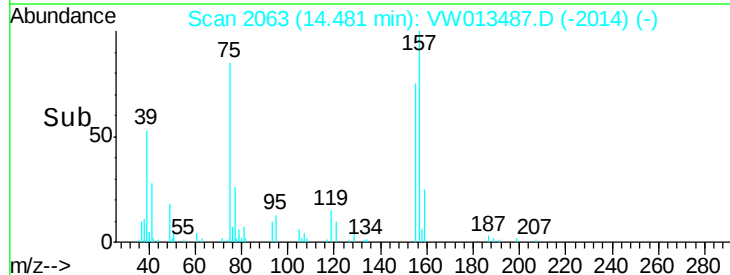
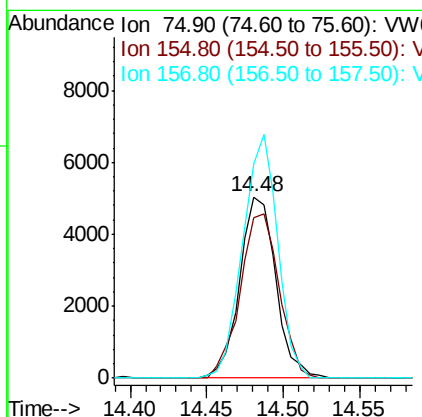
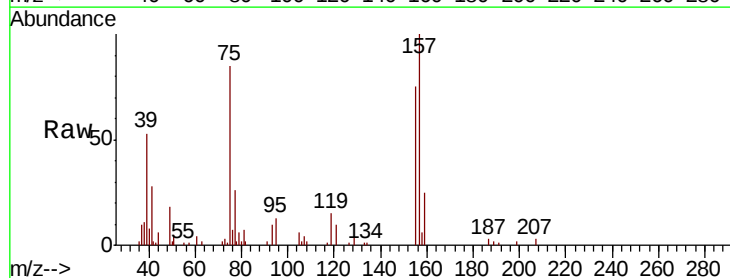
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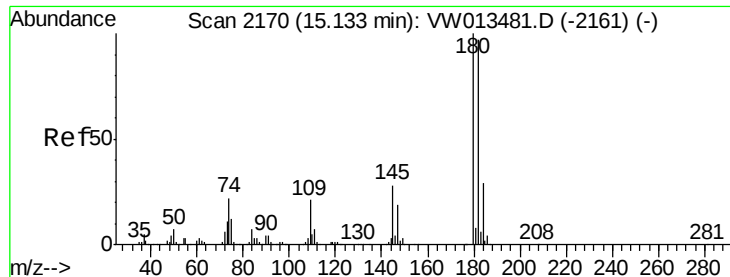
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.919 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.9	51.0	153.1
157	129.8	65.9	197.7





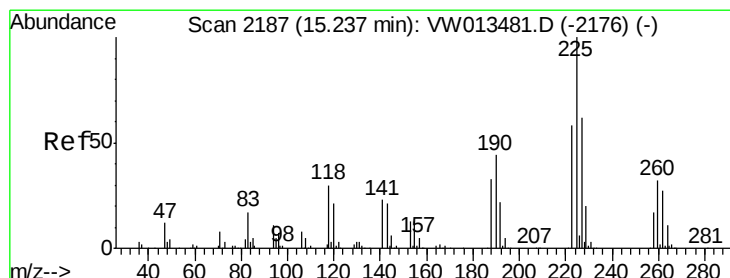
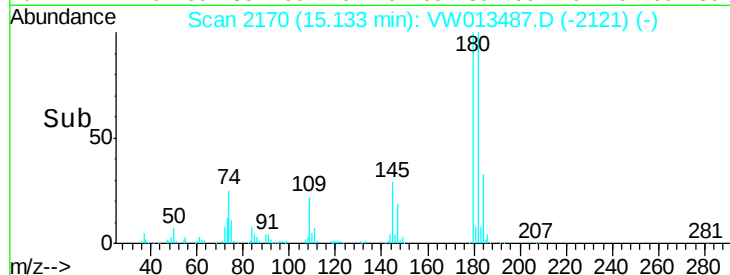
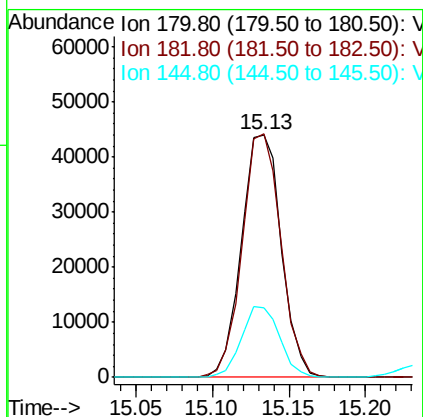
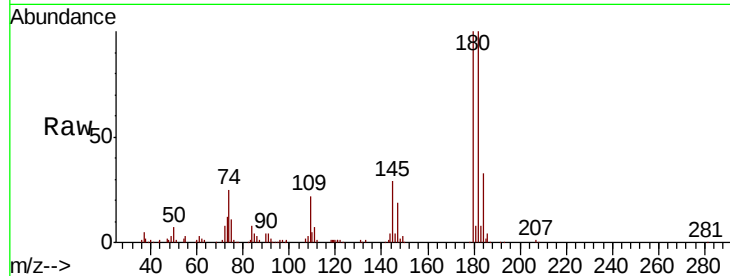
#93
 1,2,4-Trichlorobenzene
 Concen: 21.323 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1008SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.7	143.1
145	28.2	14.0	41.9

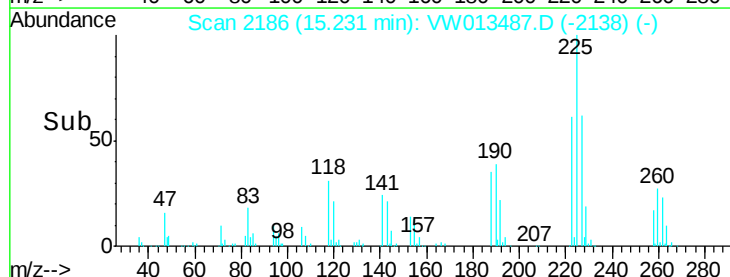
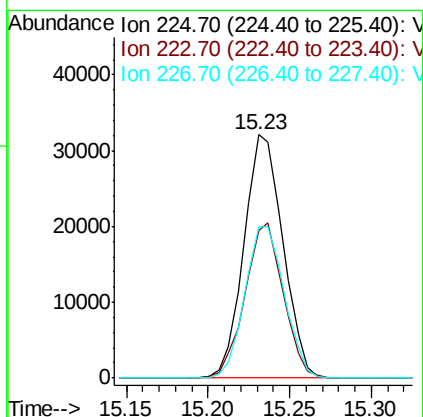
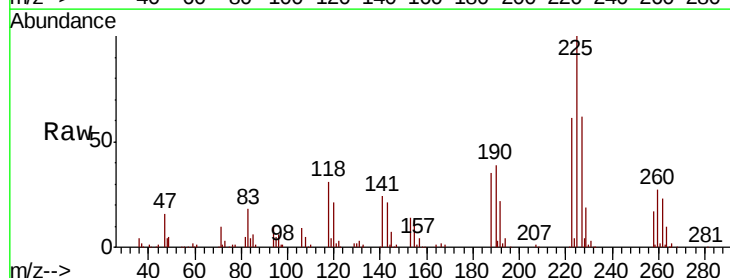
Manual Integrations
 APPROVED

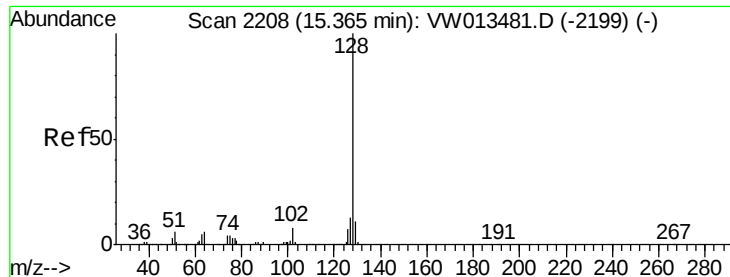
MMDadoda
 10/9/2019 4:09:49 PM



#94
 Hexachlorobutadiene
 Concen: 21.626 ug/l
 RT: 15.23 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VW013487.D
 Acq: 08 Oct 2019 15:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	30.3	90.9
227	63.2	32.0	96.0





#95

Naphthalene

Concen: 23.286 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Instrument :

MSVOA_W

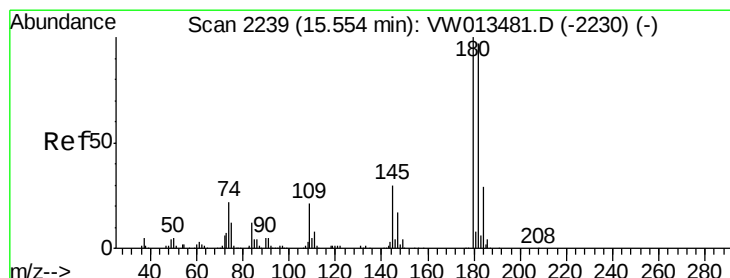
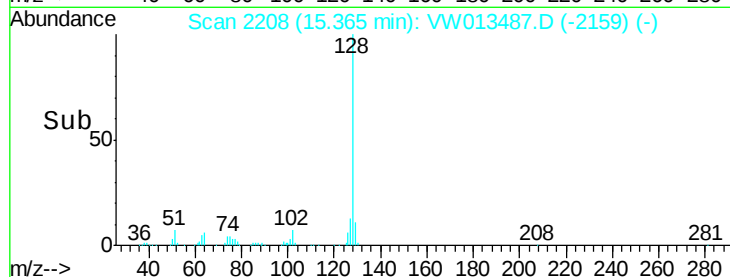
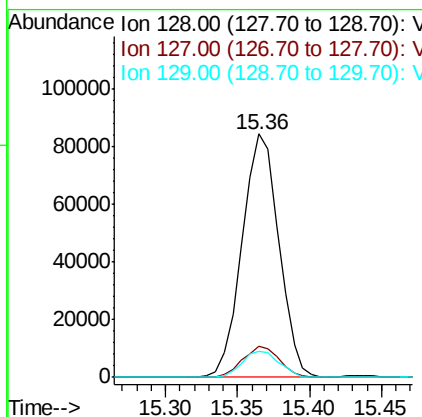
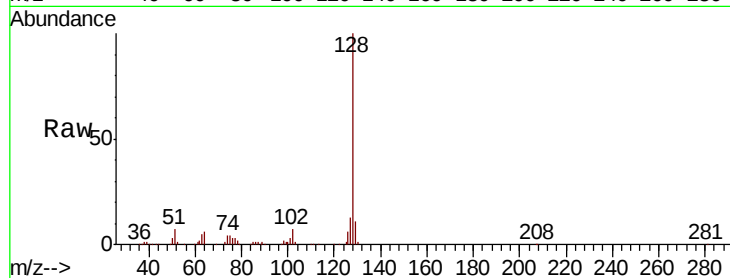
ClientSampleId :

VW1008SBS01

Tot Ion:	128	Resp:	149918
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/9/2019 4:09:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.813 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013487.D

Acq: 08 Oct 2019 15:27

Tgt Ion:	180	Resp:	70994
Ion Ratio	Lower	Upper	
180	100		
182	93.0	47.7	143.1
145	29.5	14.9	44.9

