

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW111319\
 Data File : VW013998.D
 Acq On : 13 Nov 2019 11:29
 Operator : SY/VA
 Sample : VW1113SBS01
 Misc : 5.00G/5.0ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 10:50:03 AM

Quant Time: Nov 14 06:12:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	344924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	490205	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	418686	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212690	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	129403	50.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.02%	
35) Dibromofluoromethane	7.88	113	132560	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
50) Toluene-d8	10.32	98	544652	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.62	95	181597	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	42330	23.295	ug/l	98
3) Chloromethane	2.21	50	41558	21.280	ug/l	93
4) Vinyl Chloride	2.36	62	71195	24.140	ug/l	99
5) Bromomethane	2.75	94	41804	21.552	ug/l	96
6) Chloroethane	2.92	64	40332	22.600	ug/l	99
7) Trichlorofluoromethane	3.25	101	45441	24.667	ug/l	98
8) Diethyl Ether	3.68	74	31471	21.145	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	64633	21.582	ug/l	95
10) Methyl Iodide	4.28	142	105053	21.527	ug/l	99
11) Tert butyl alcohol	5.17	59	20949	135.621	ug/l	96
12) 1,1-Dichloroethene	4.04	96	67557	21.839	ug/l	95
13) Acrolein	3.90	56	13276	75.019	ug/l	99
14) Allyl chloride	4.67	41	101751	21.391	ug/l	98
15) Acrylonitrile	5.36	53	66339	109.619	ug/l	99
16) Acetone	4.12	43	56616	103.195	ug/l	95
17) Carbon Disulfide	4.39	76	197892	22.275	ug/l	100
18) Methyl Acetate	4.66	43	34925	23.223	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	81825	22.042	ug/l	100
20) Methylene Chloride	4.92	84	72746	21.382	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	72236	21.696	ug/l	94
22) Diisopropyl ether	6.31	45	185605	21.391	ug/l	96
23) Vinyl Acetate	6.25	43	524718	104.223	ug/l	99
24) 1,1-Dichloroethane	6.21	63	116975	21.287	ug/l	98
25) 2-Butanone	7.17	43	85732	108.692	ug/l	99
26) 2,2-Dichloropropane	7.17	77	71421	22.477	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	75034	21.218	ug/l	97
28) Bromochloromethane	7.51	49	30144	16.324	ug/l #	97
29) Tetrahydrofuran	7.52	42	55320	113.285	ug/l	100
30) Chloroform	7.67	83	118593	21.832	ug/l	97
31) Cyclohexane	7.95	56	122964	21.382	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	94291	22.119	ug/l	99
36) 1,1-Dichloropropene	8.08	75	100152	21.938	ug/l	98
37) Ethyl Acetate	7.24	43	37887	21.679	ug/l	100
38) Carbon Tetrachloride	8.07	117	89935	21.876	ug/l	97

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	125328	21.258	ug/l	98
40) Benzene	8.32	78	277469	21.476	ug/l	100
41) Methacrylonitrile	7.48	41	25895	23.762	ug/l	89
42) 1,2-Dichloroethane	8.40	62	68824	21.139	ug/l	100
43) Isopropyl Acetate	8.42	43	70468	21.066	ug/l	98
44) Trichloroethene	9.09	130	78317	21.162	ug/l	99
45) 1,2-Dichloropropane	9.37	63	66606	21.583	ug/l	96
46) Dibromomethane	9.46	93	31080	20.750	ug/l	99
47) Bromodichloromethane	9.64	83	81863	21.123	ug/l	96
48) Methyl methacrylate	9.43	41	36086	21.754	ug/l	99
49) 1,4-Dioxane	9.45	88	11875	536.524	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	181531	109.207	ug/l	100
52) Toluene	10.38	92	177667	21.319	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	81278	20.717	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	100783	20.821	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	46659	20.902	ug/l	96
56) Ethyl methacrylate	10.65	69	60225	21.564	ug/l	99
57) 1,3-Dichloropropane	10.93	76	80999	21.145	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	118027	91.824	ug/l	100
59) 2-Hexanone	10.96	43	124059	108.258	ug/l	99
60) Dibromochloromethane	11.13	129	55804	21.055	ug/l	99
61) 1,2-Dibromoethane	11.23	107	44152	20.907	ug/l	99
64) Tetrachloroethene	10.86	164	68181	21.314	ug/l	94
65) Chlorobenzene	11.66	112	185089	21.513	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	62461	20.802	ug/l	98
67) Ethyl Benzene	11.73	91	332942	21.461	ug/l	99
68) m/p-Xylenes	11.84	106	255701	42.661	ug/l	100
69) o-Xylene	12.16	106	116851	21.210	ug/l	99
70) Styrene	12.18	104	200348	21.165	ug/l	99
71) Bromoform	12.35	173	33337	21.156	ug/l #	97
73) Isopropylbenzene	12.46	105	328269	21.492	ug/l	100
74) N-amyl acetate	12.27	43	64719	21.904	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	51147	21.220	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33712m	22.071	ug/l	
77) Bromobenzene	12.74	156	77473	21.233	ug/l	98
78) n-propylbenzene	12.80	91	379192	21.449	ug/l	100
79) 2-Chlorotoluene	12.89	91	210088	21.147	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	278068	21.566	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	16369	20.253	ug/l	93
82) 4-Chlorotoluene	12.99	91	221038	21.193	ug/l	99
83) tert-Butylbenzene	13.21	119	242548	21.192	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	276260	21.720	ug/l	98
85) sec-Butylbenzene	13.38	105	334738	21.388	ug/l	99
86) p-Isopropyltoluene	13.50	119	312786	21.455	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	150620	21.306	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149215	21.246	ug/l	99
89) n-Butylbenzene	13.82	91	275856	20.963	ug/l	100
90) Hexachloroethane	14.09	117	52645	20.775	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	130994	21.370	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	7804	21.412	ug/l	98

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84106	18.854	ug/l	98
94) Hexachlorobutadiene	15.24	225	67724	22.488	ug/l	95
95) Naphthalene	15.36	128	126480	18.083	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71912	18.708	ug/l	97

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

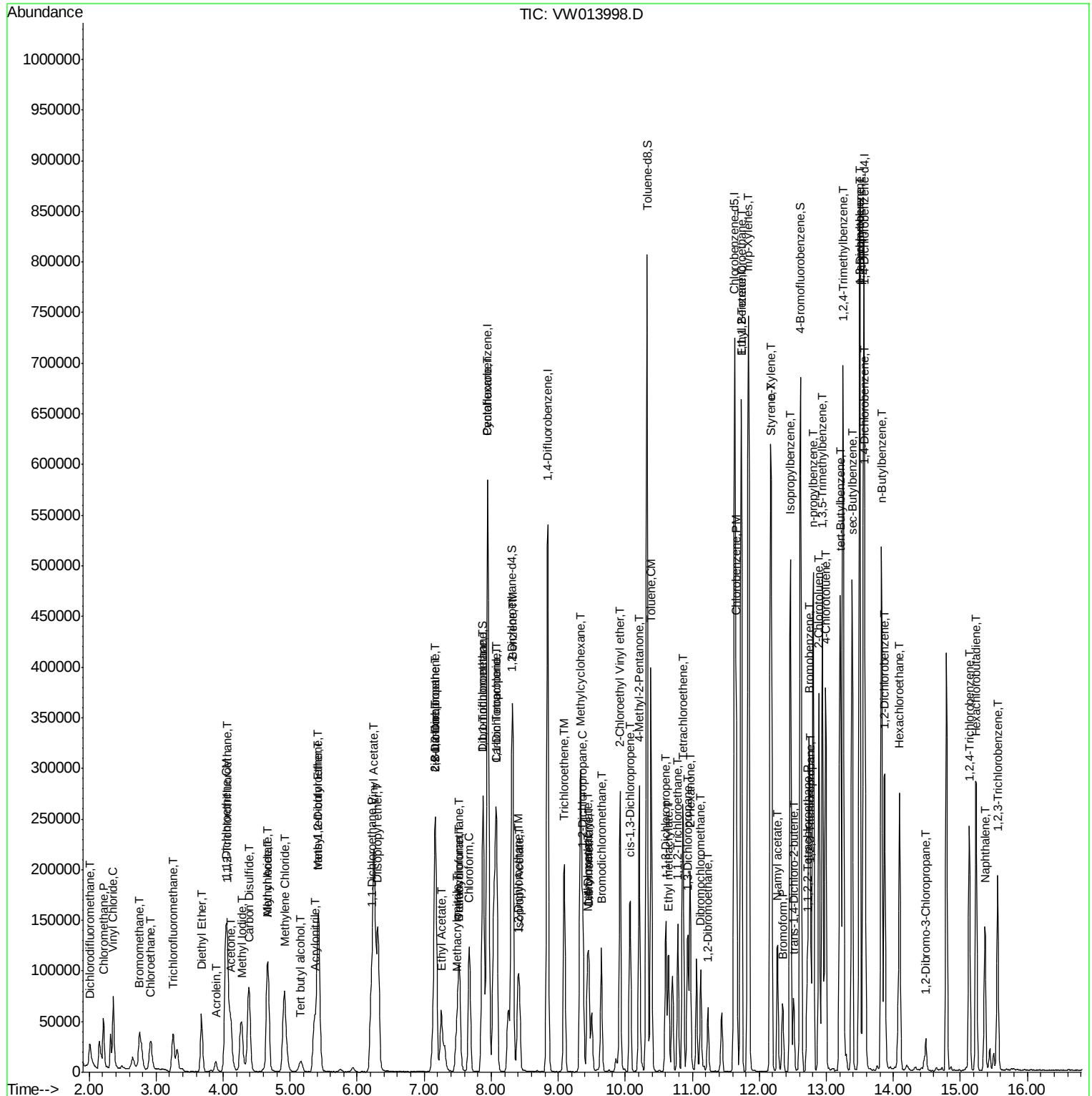
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Data File : VW013998.D
Acq On : 13 Nov 2019 11:29
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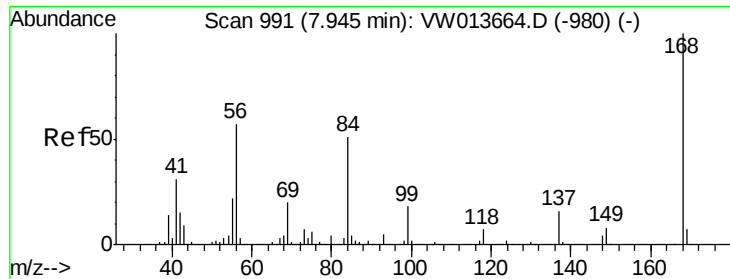
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion:168 Resp: 344924

Ion Ratio Lower Upper

168 100

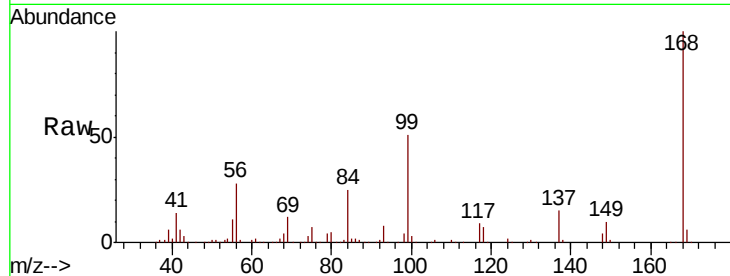
99 51.1 39.0 58.6

Manual Integrations

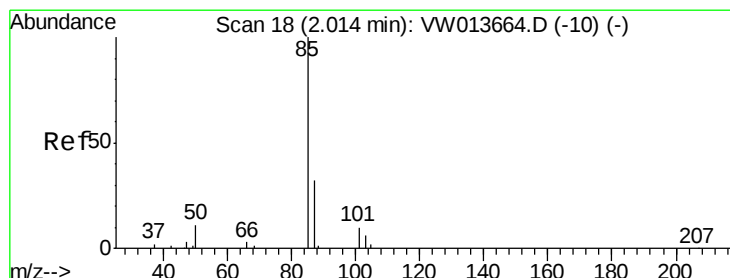
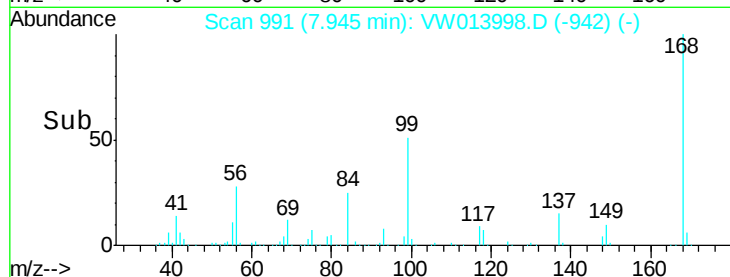
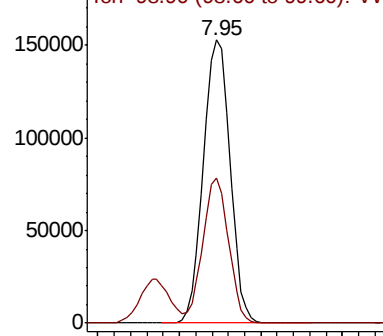
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Abundance Ion 167.90 (167.60 to 168.60): VW013664.D (-980) (-)



#2

Dichlorodifluoromethane

Concen: 23.295 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013998.D

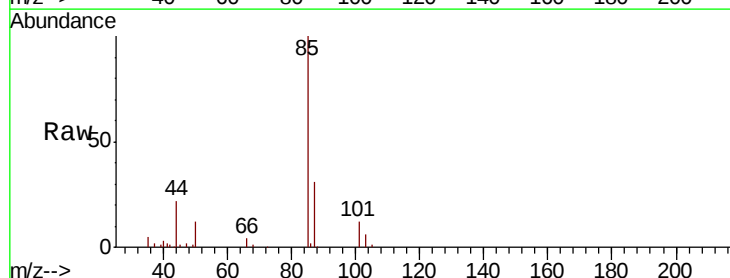
Acq: 13 Nov 2019 11:29

Tgt Ion: 85 Resp: 42330

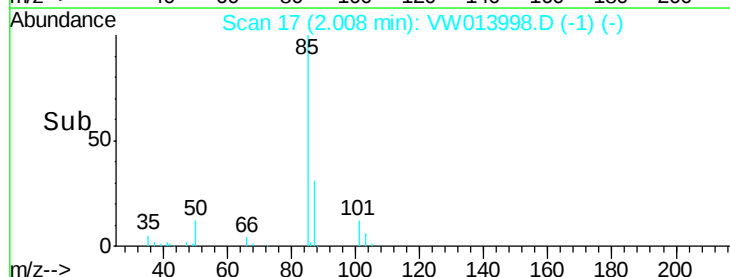
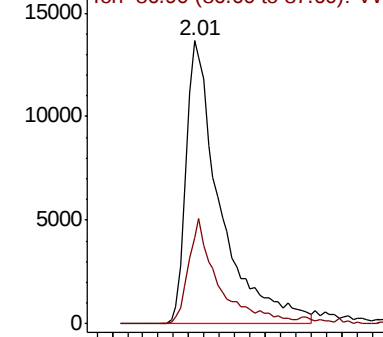
Ion Ratio Lower Upper

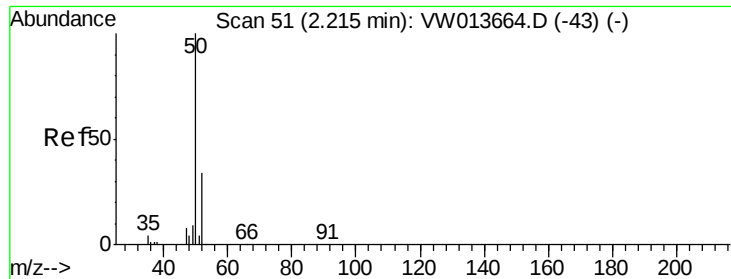
85 100

87 30.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW013664.D (-10) (-)





#3

Chloromethane

Concen: 21.280 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 50 Resp: 41558

Ion Ratio Lower Upper

50 100

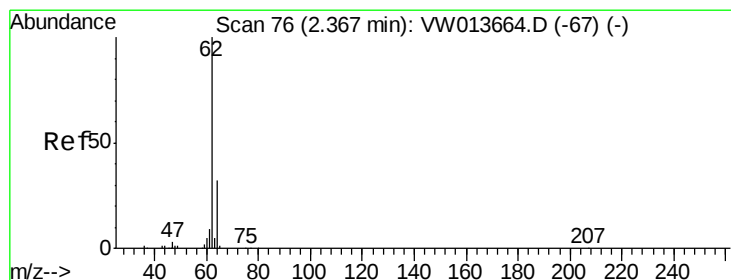
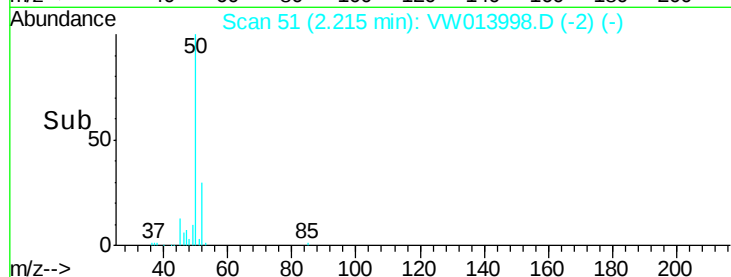
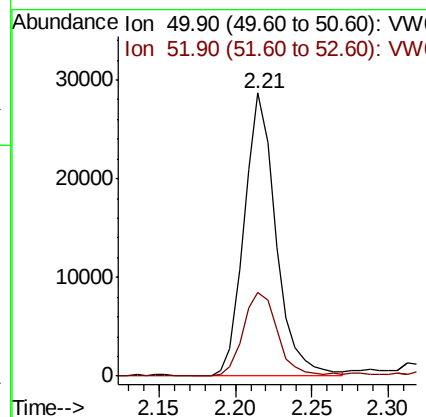
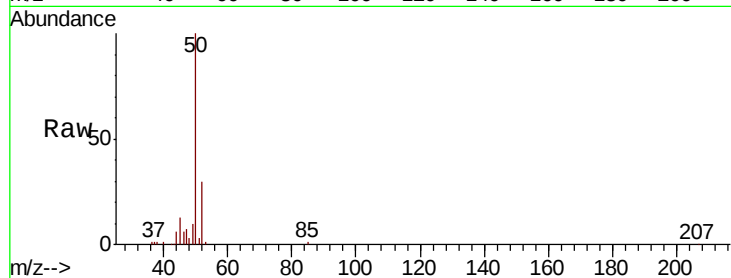
52 29.7 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 24.140 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013998.D

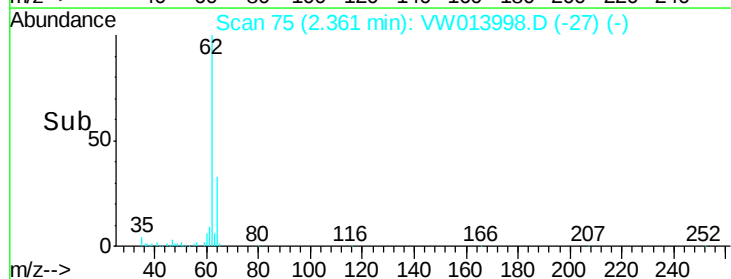
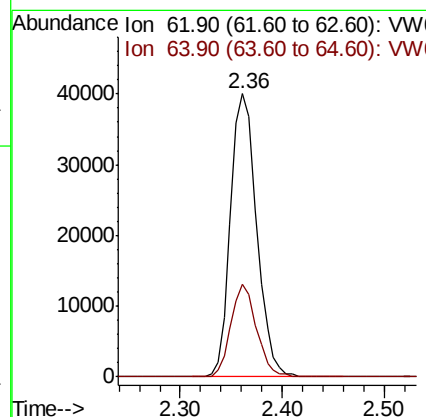
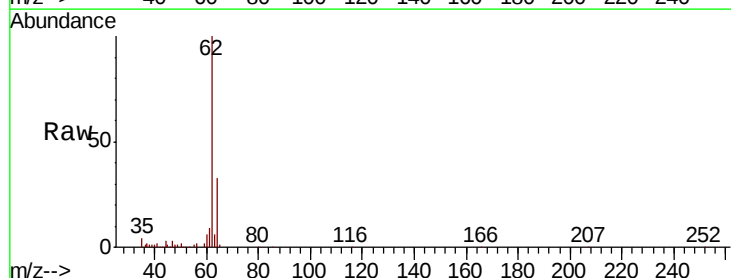
Acq: 13 Nov 2019 11:29

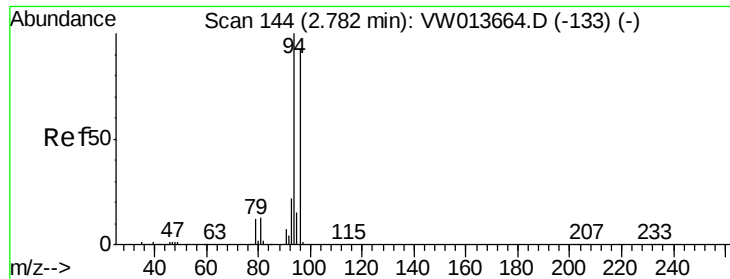
Tgt Ion: 62 Resp: 71195

Ion Ratio Lower Upper

62 100

64 32.5 25.5 38.3





#5

Bromomethane

Concen: 21.552 ug/l

RT: 2.75 min Scan# 139

Delta R.T. -0.03 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 94 Resp: 41804

Ion Ratio Lower Upper

94 100

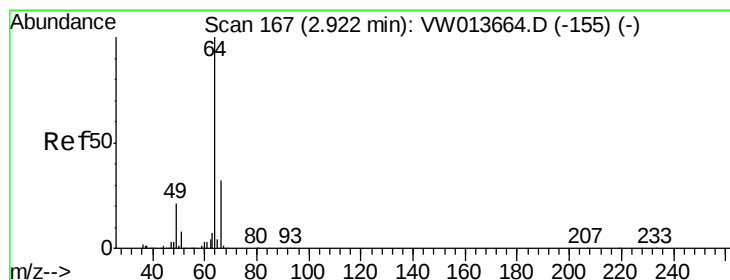
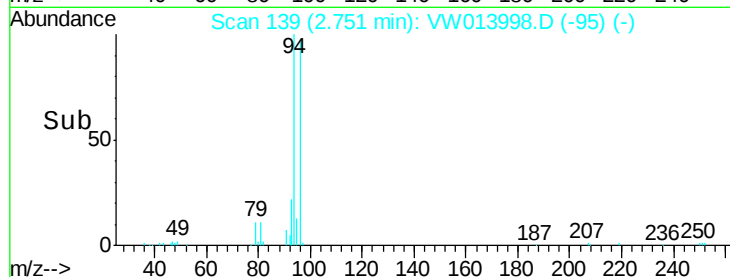
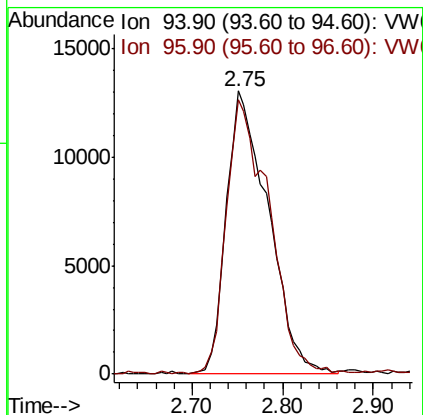
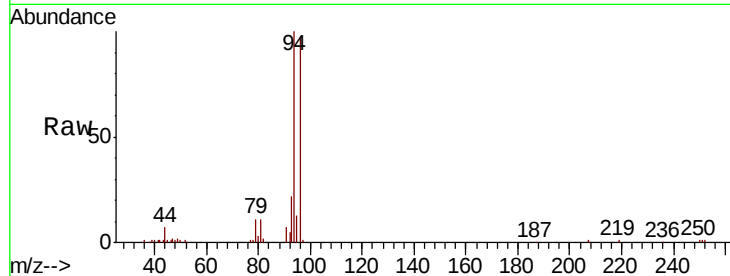
96 97.1 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 22.600 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW013998.D

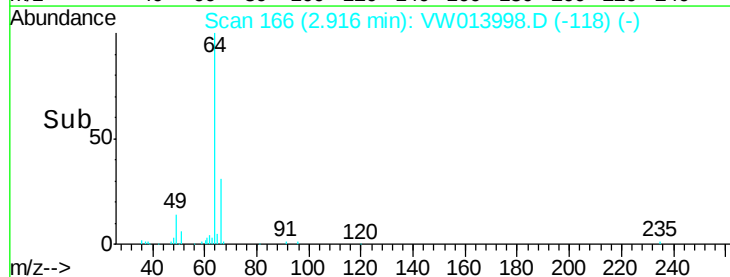
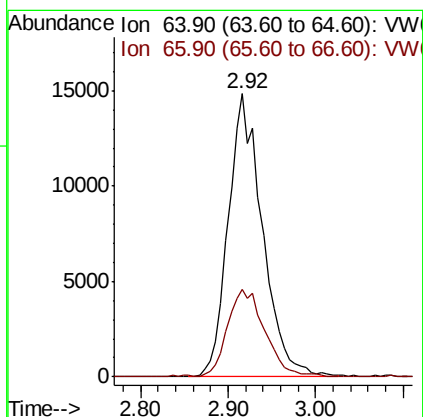
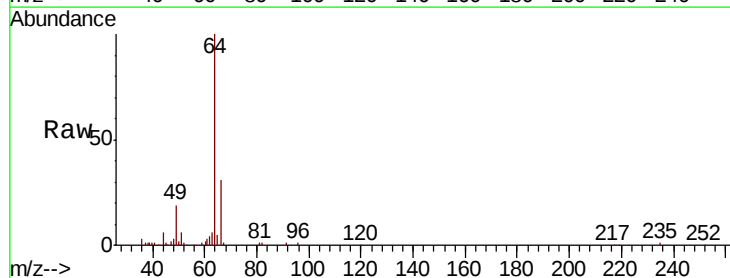
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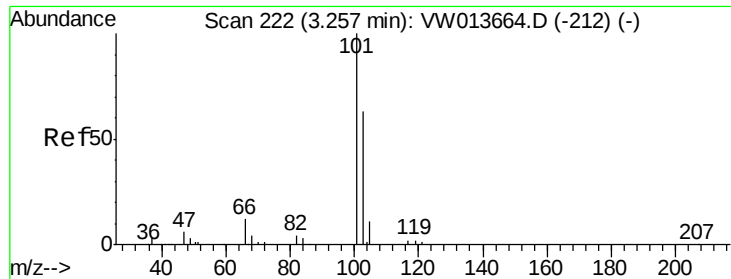
Tgt Ion: 64 Resp: 40332

Ion Ratio Lower Upper

64 100

66 31.1 25.4 38.0





#7

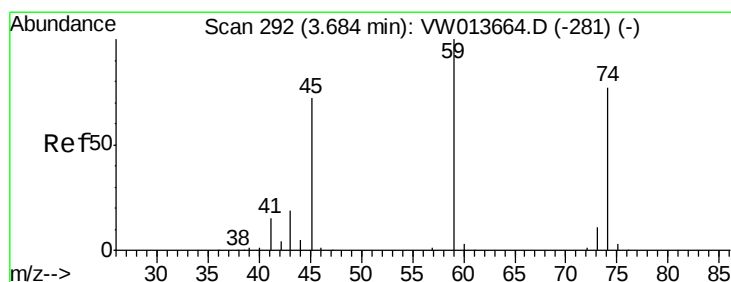
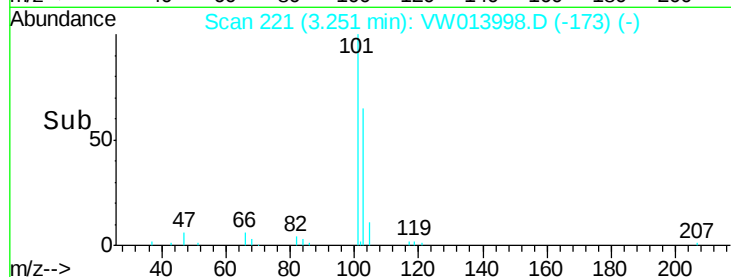
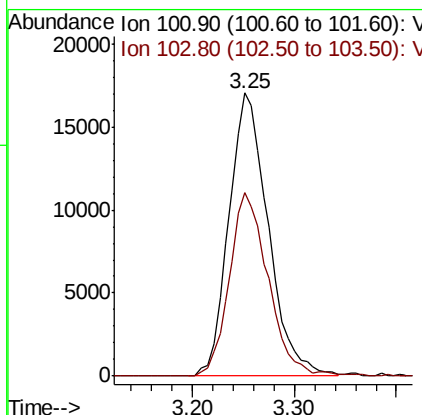
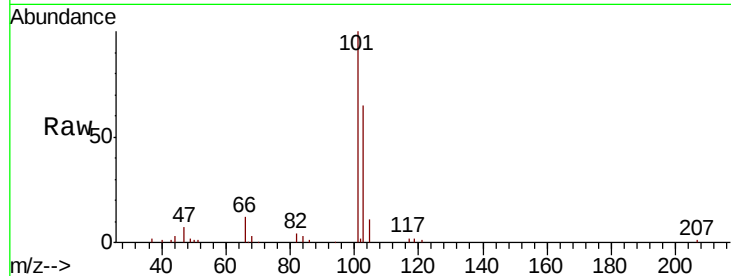
Trichlorofluoromethane
Concen: 24.667 ug/l
RT: 3.25 min Scan# 221
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	50.6	76.0

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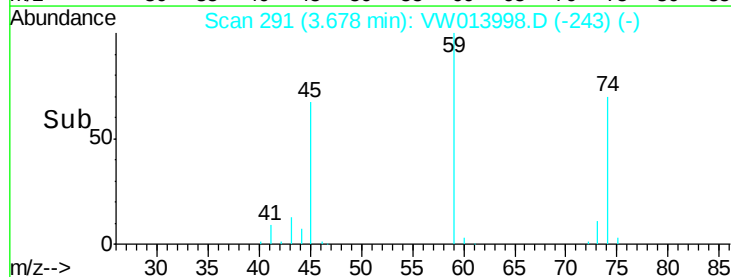
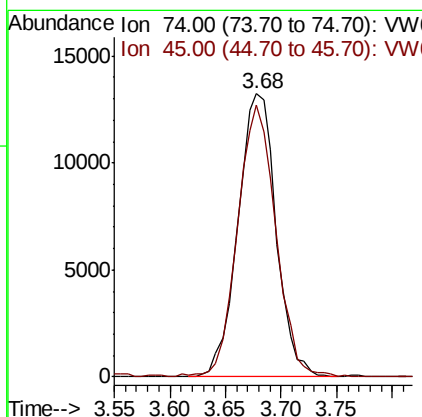
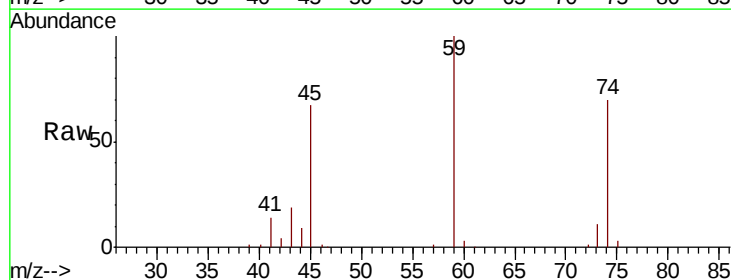
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11/15/2019 10:50:03 AM

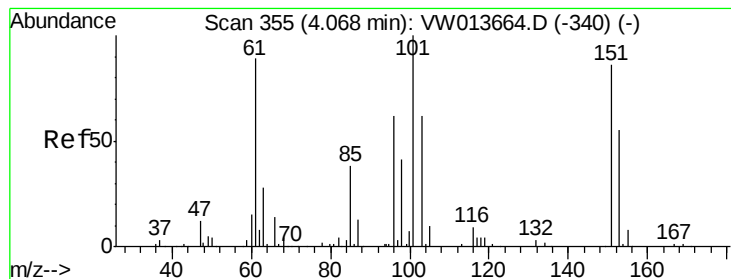


#8

Diethyl Ether
Concen: 21.145 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.582 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion:101 Resp: 64633

Ion Ratio Lower Upper

101 100

85 42.7 31.0 46.6

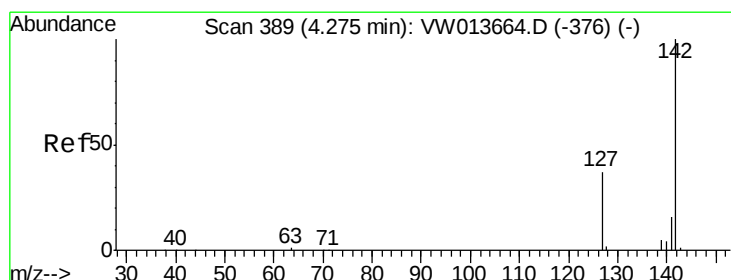
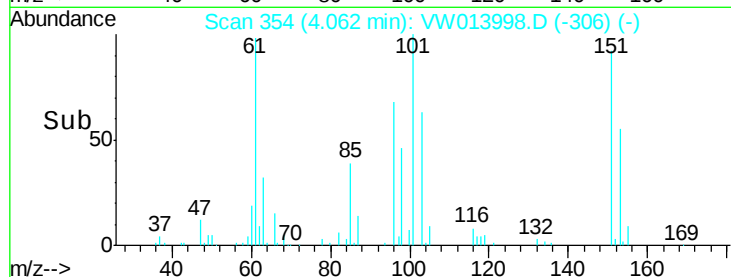
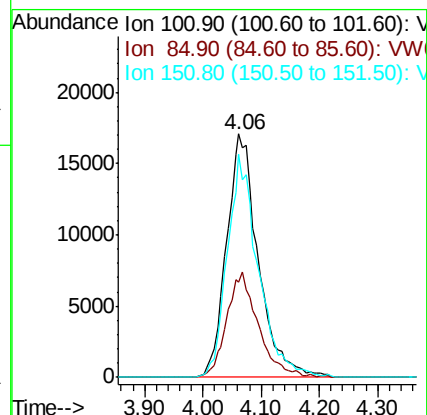
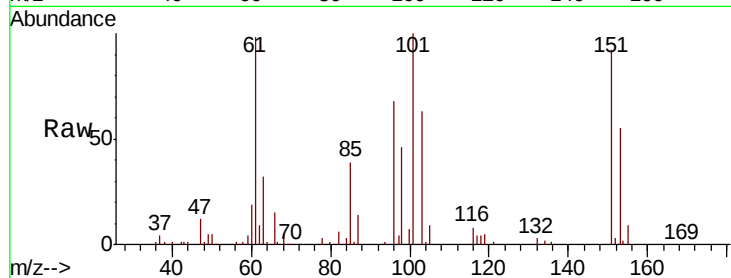
151 89.1 68.2 102.4

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#10

Methyl Iodide

Concen: 21.527 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

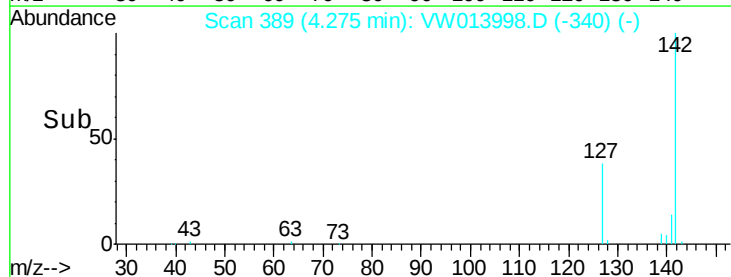
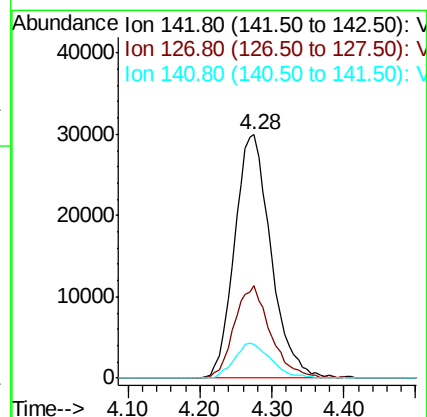
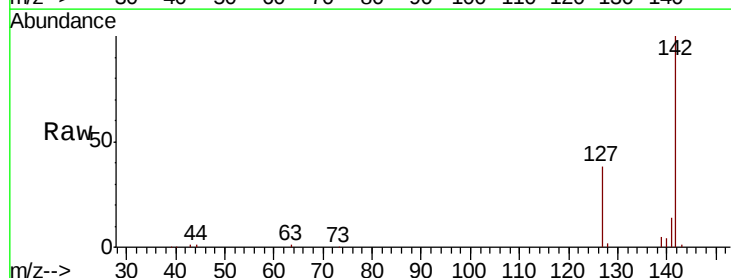
Tgt Ion:142 Resp: 105053

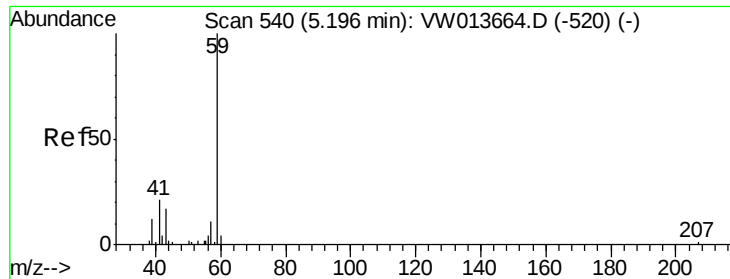
Ion Ratio Lower Upper

142 100

127 37.5 30.3 45.5

141 14.4 11.8 17.8





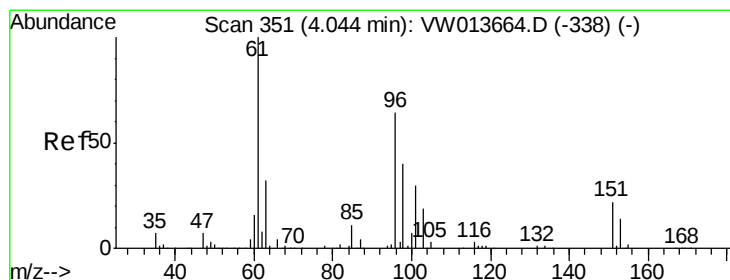
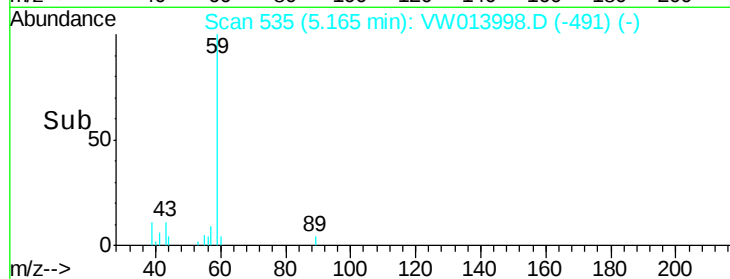
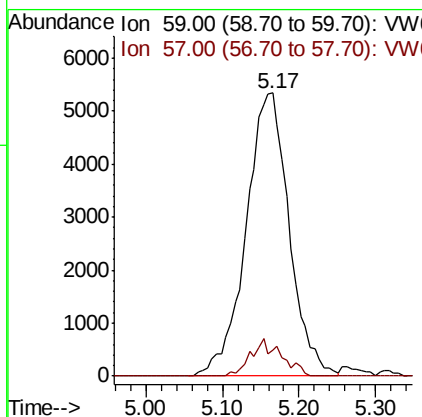
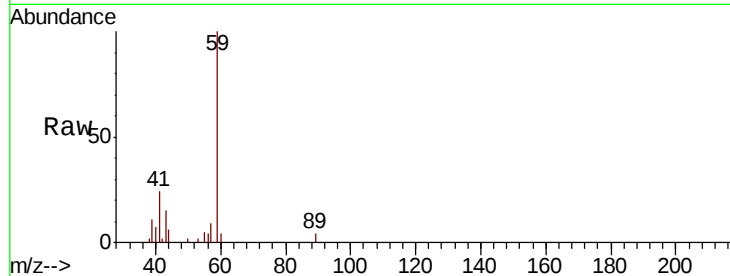
#11
Tert butyl alcohol
Concen: 135.621 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.03 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	20949		
57	9.4		8.8	13.2

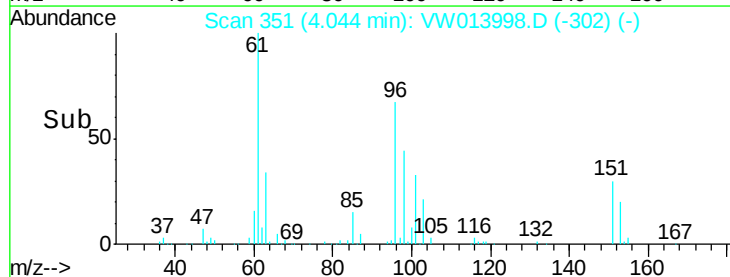
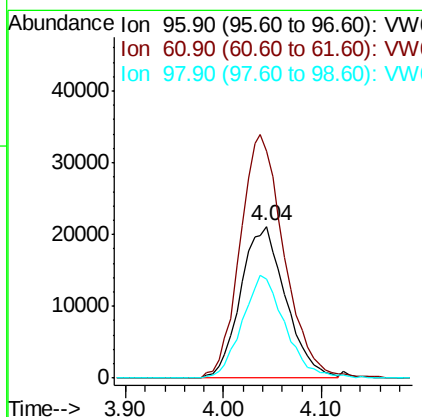
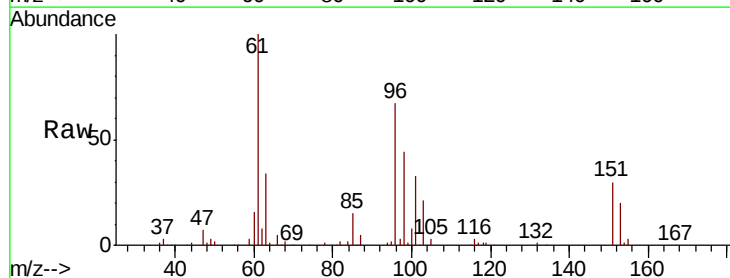
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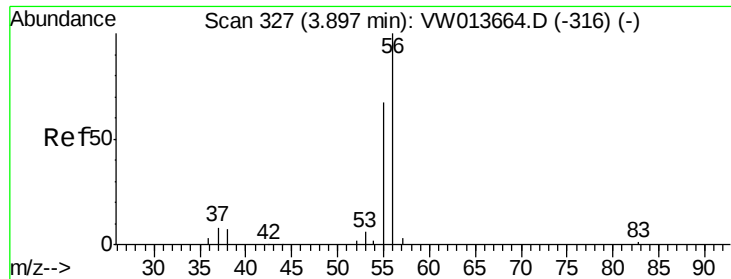
MMDadoda
11/15/2019 10:50:03 AM



#12
1,1-Dichloroethene
Concen: 21.839 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	67557		
61	148.9		125.0	187.6
98	65.4		50.3	75.5





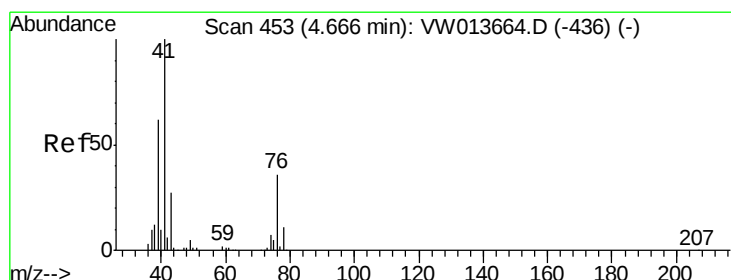
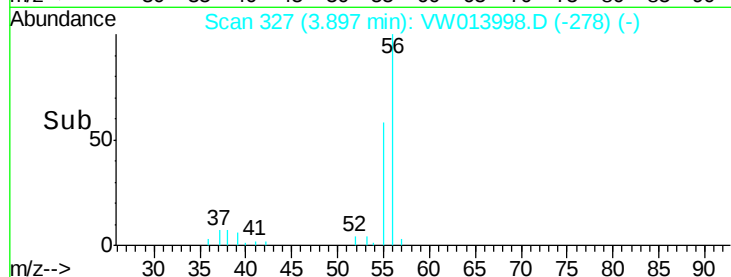
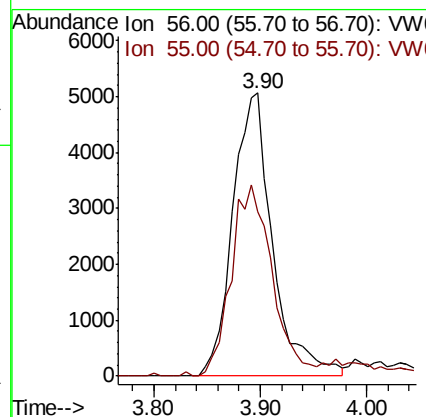
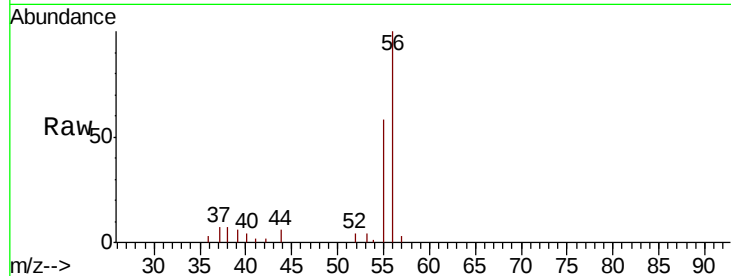
#13
Acrolein
Concen: 75.019 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	56	55	Resp	Lower	Upper
13276	100	69.3		56.1	84.1

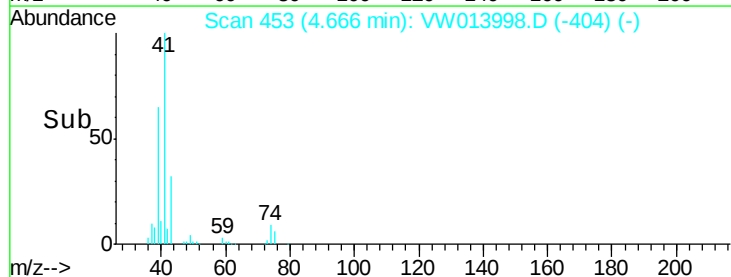
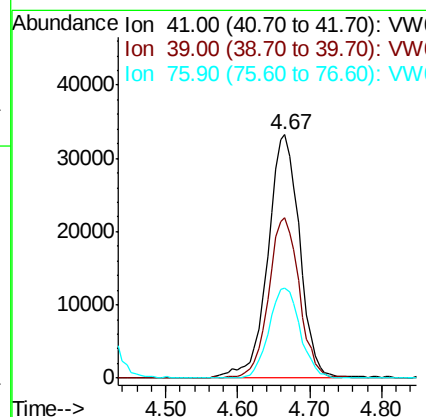
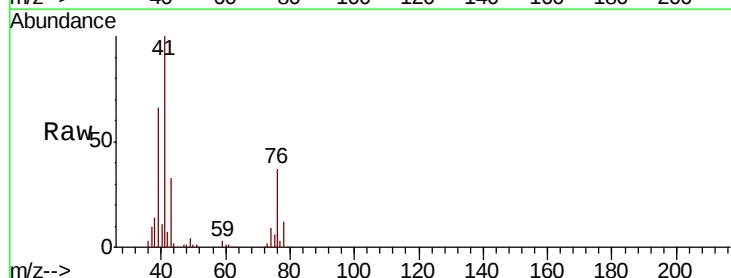
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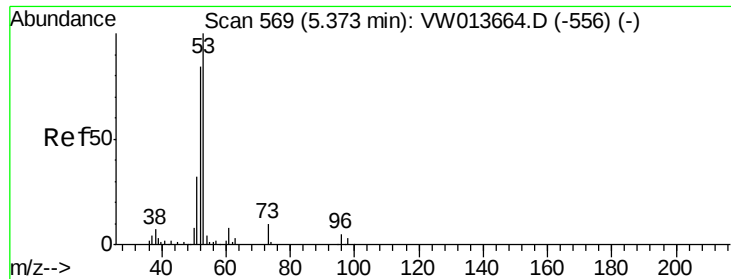
MMDadoda
11/15/2019 10:50:03 AM



#14
Allyl chloride
Concen: 21.391 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	41	39	76	Resp	Lower	Upper
101751	100	64.1	36.2		50.0	75.0
					29.6	44.4





#15

Acrylonitrile

Concen: 109.619 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

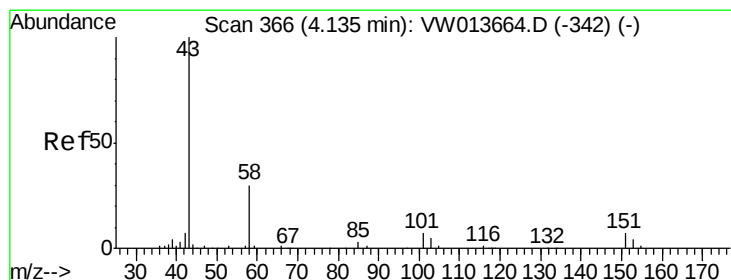
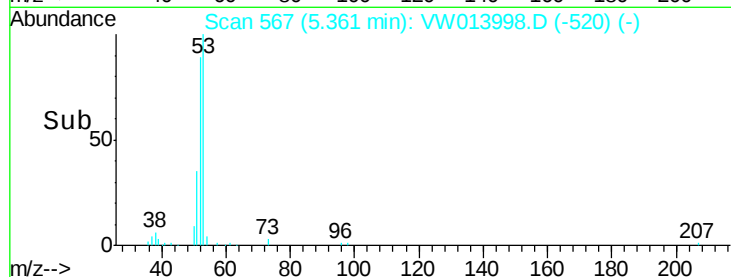
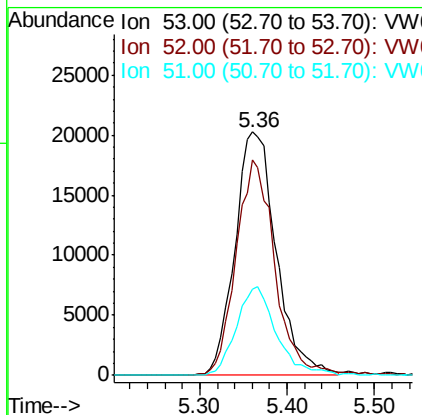
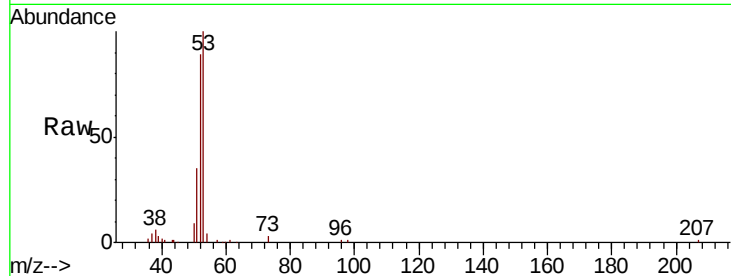
ClientSampleId :

VW1113SBS01

Tot Ion:	53	Resp:	66339
Ion Ratio	Lower	Upper	
53	100		
52	83.3	67.4	101.0
51	35.7	29.1	43.7

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#16

Acetone

Concen: 103.195 ug/l

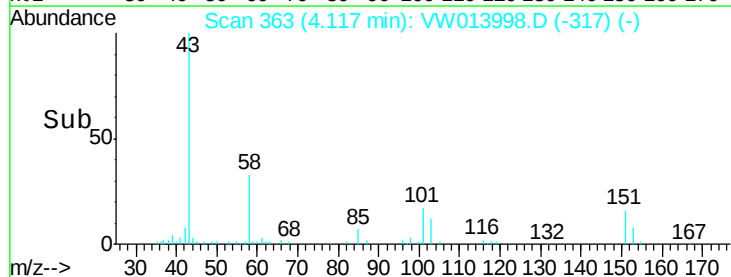
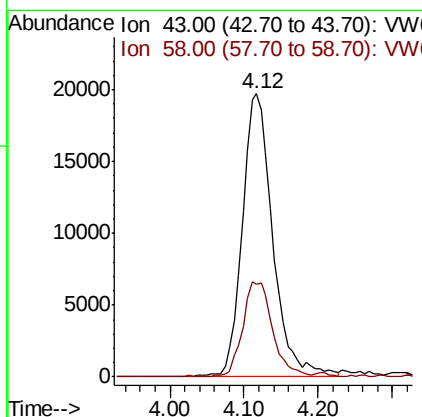
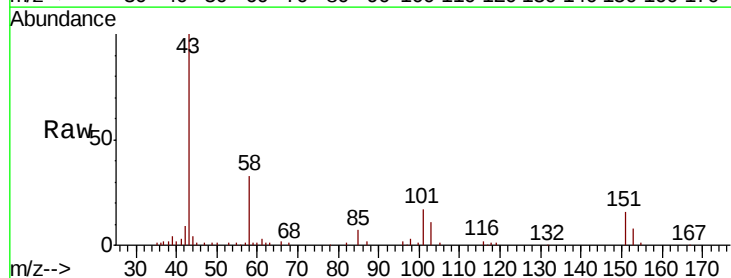
RT: 4.12 min Scan# 363

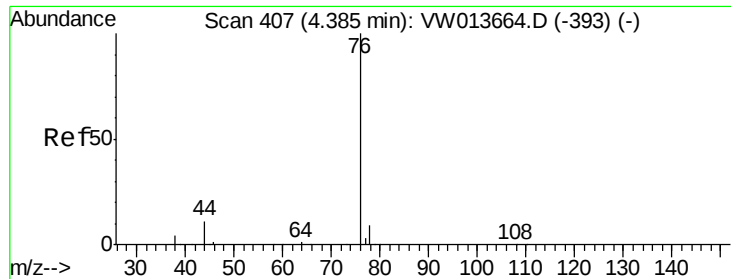
Delta R.T. -0.02 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion:	43	Resp:	56616
Ion Ratio	Lower	Upper	
43	100		
58	32.6	24.1	36.1





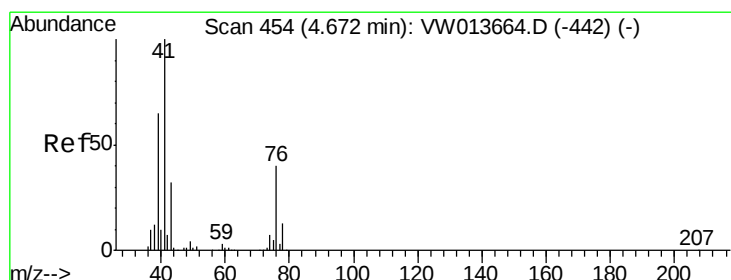
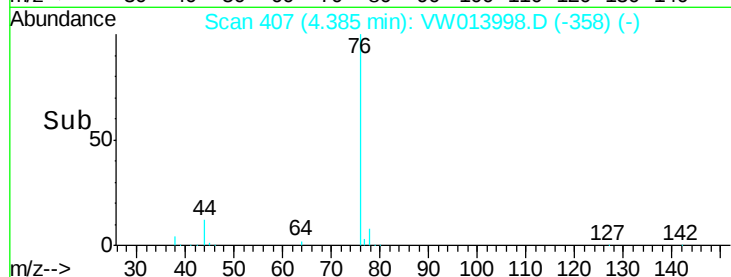
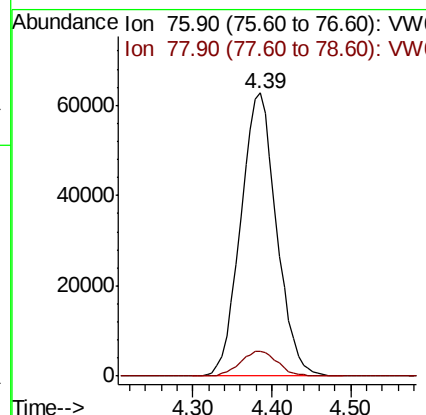
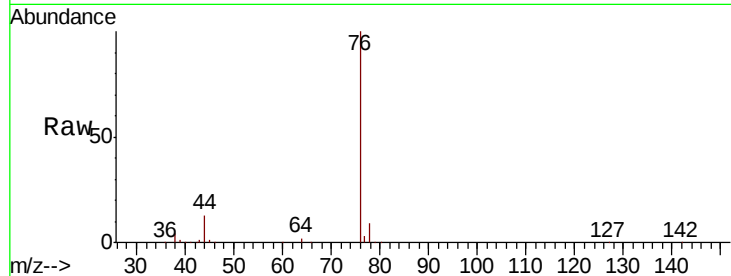
#17
Carbon Disulfide
Concen: 22.275 ug/l
RT: 4.39 min Scan# 407
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	197892		
78	8.8	7.0	10.6	

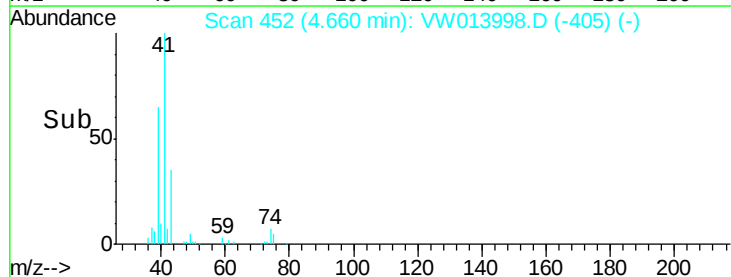
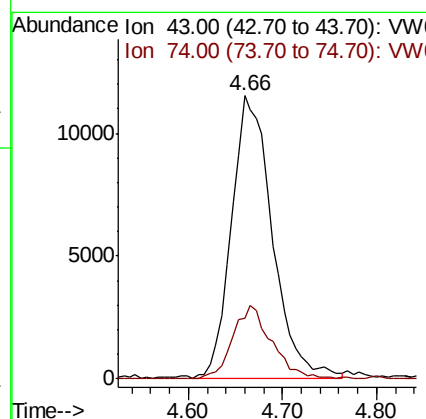
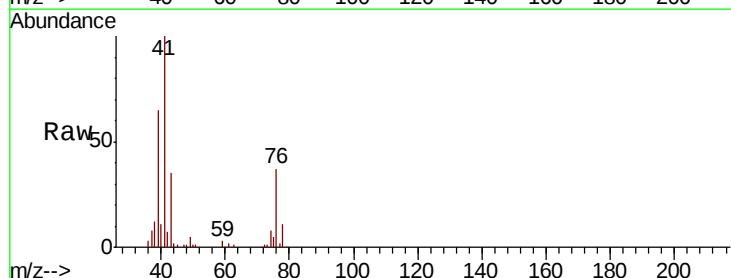
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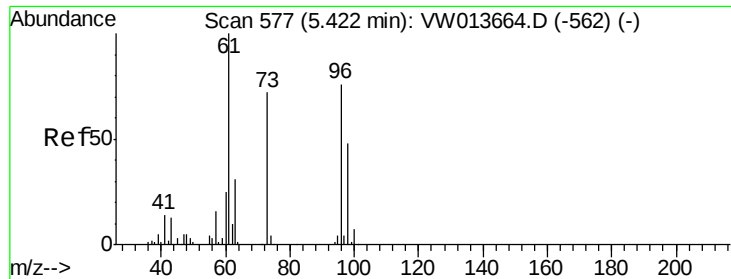
MMDadoda
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#18
Methyl Acetate
Concen: 23.223 ug/l
RT: 4.66 min Scan# 452
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	34925		
74	24.6	19.8	29.8	





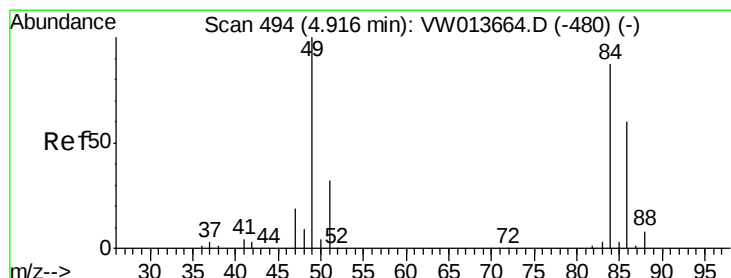
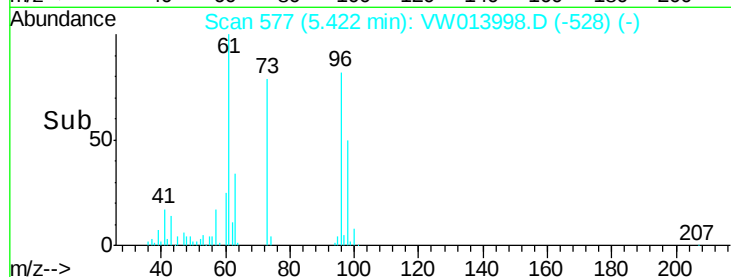
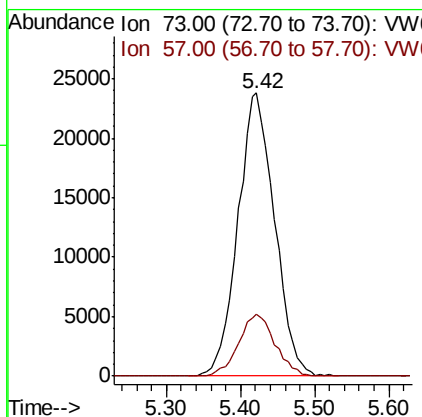
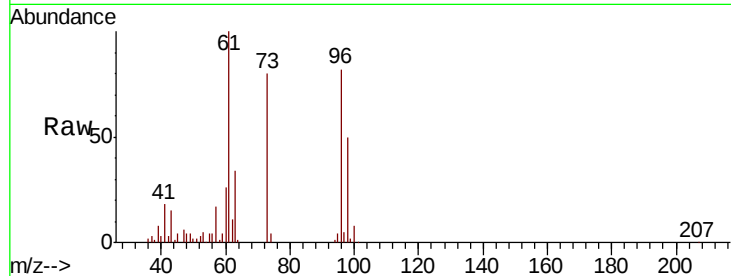
#19
Methvl tert-butvl Ether
Concen: 22.042 ug/l
RT: 5.42 min Scan# 577
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion: 73 Resp: 81825
Ion Ratio Lower Upper
73 100
57 21.8 17.6 26.4

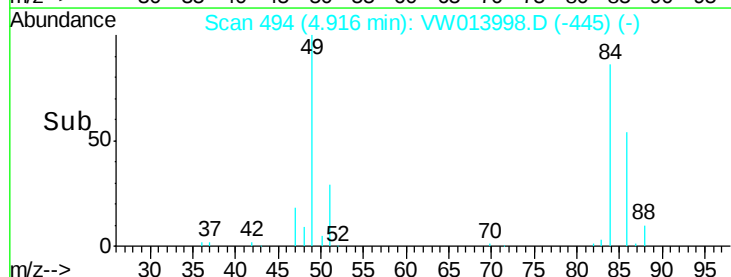
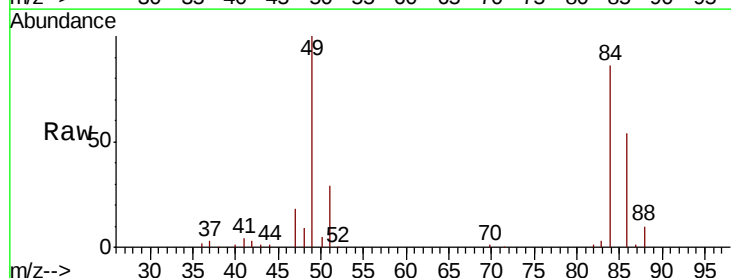
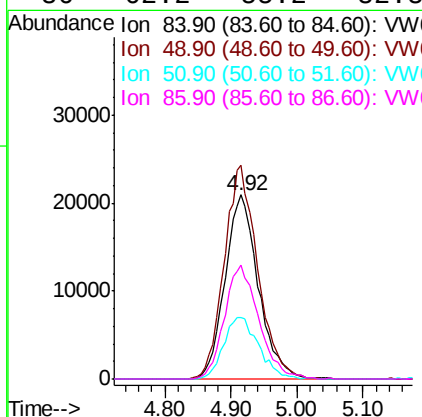
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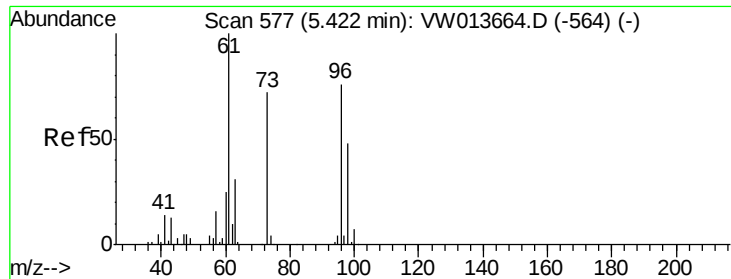
MMDadoda
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#20
Methylene Chloride
Concen: 21.382 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 84 Resp: 72746
Ion Ratio Lower Upper
84 100
49 116.0 91.8 137.6
51 33.5 29.8 44.6
86 62.2 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.696 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

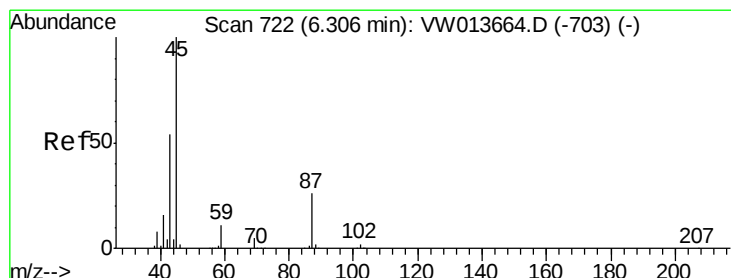
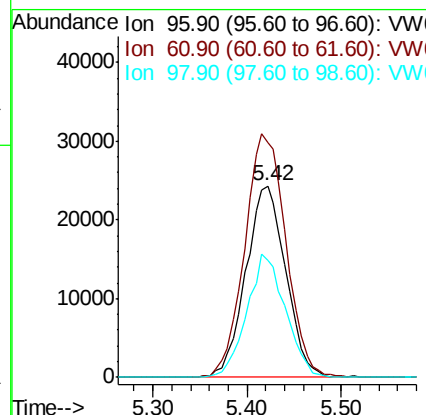
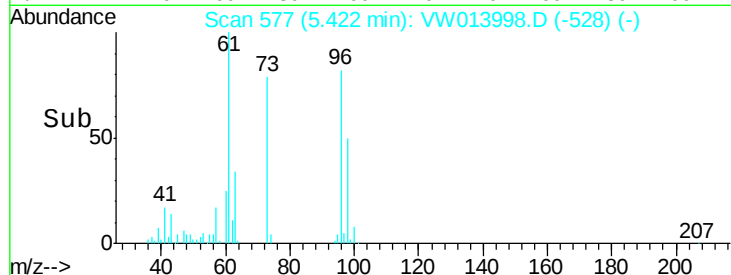
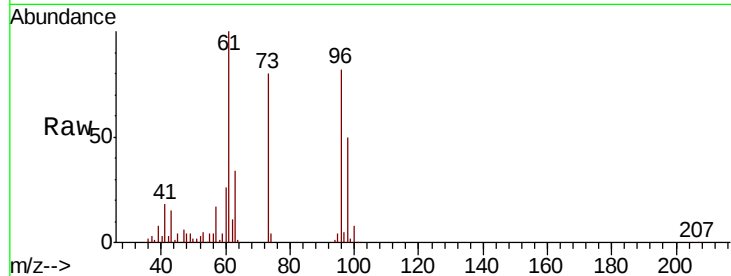
ClientSampleId :

VW1113SBS01

Tot Ion:	96	Resp:	72236
Ion	Ratio	Lower	Upper
96	100		
61	122.6	104.8	157.2
98	60.7	50.6	76.0

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#22

Diisopropyl ether

Concen: 21.391 ug/l

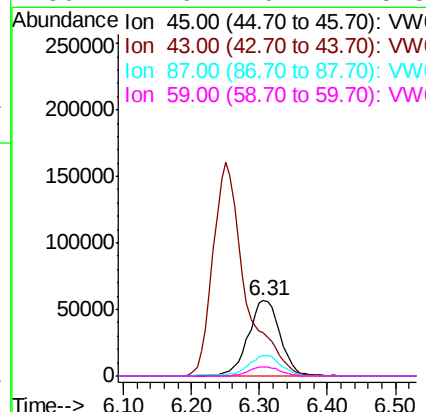
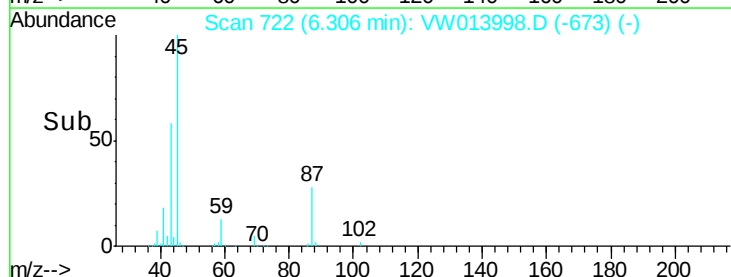
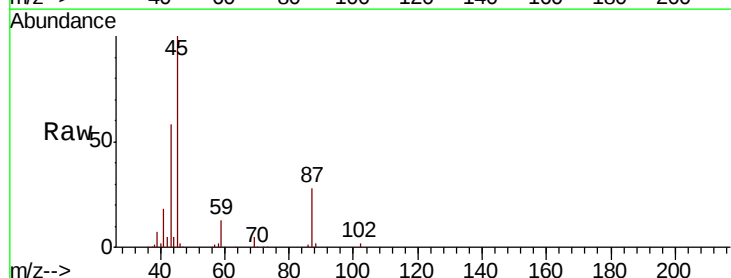
RT: 6.31 min Scan# 722

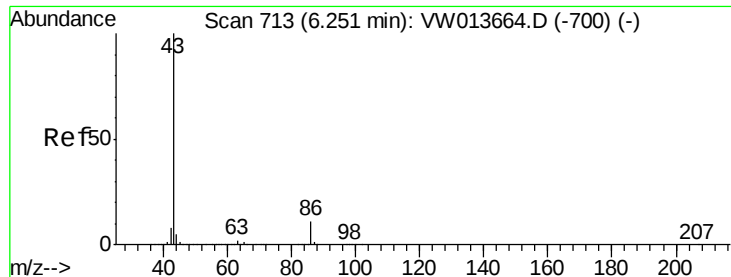
Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion:	45	Resp:	185605
Ion	Ratio	Lower	Upper
45	100		
43	57.7	43.4	65.2
87	28.0	21.5	32.3
59	12.6	9.2	13.8





#23

Vinyl Acetate

Concen: 104.223 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 43 Resp: 524718

Ion Ratio Lower Upper

43 100

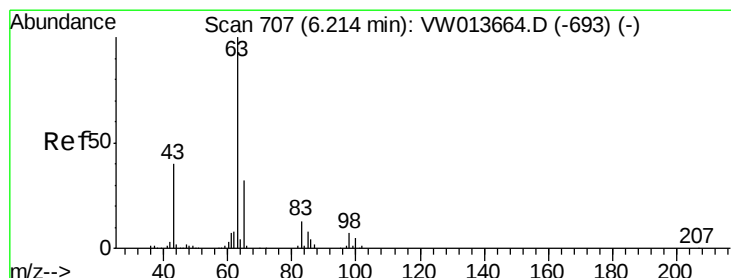
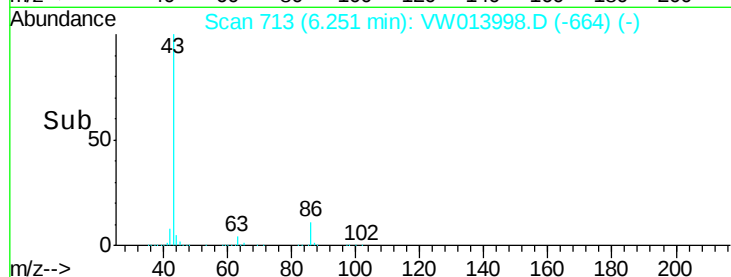
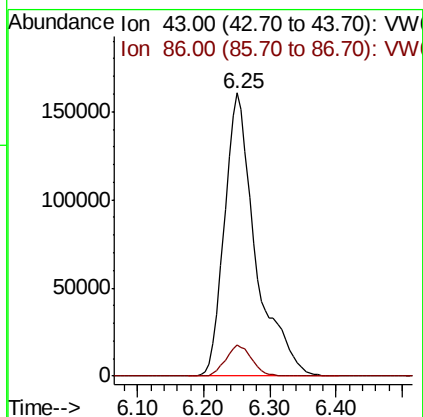
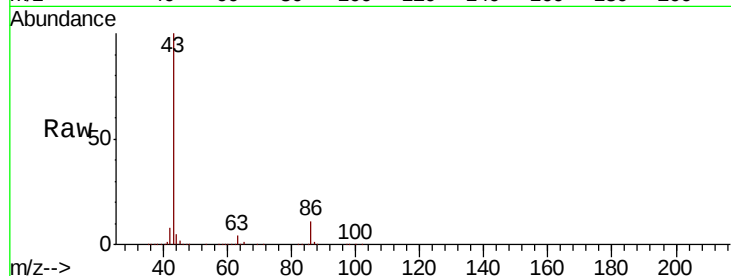
86 10.9 9.0 13.6

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#24

1,1-Dichloroethane

Concen: 21.287 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

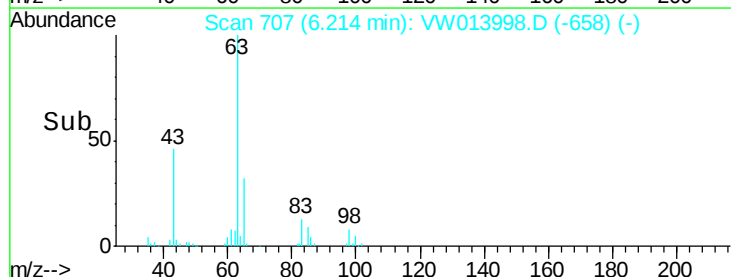
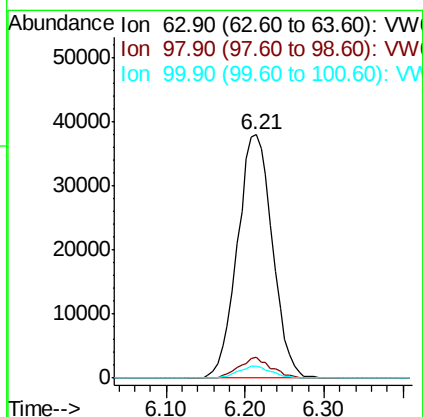
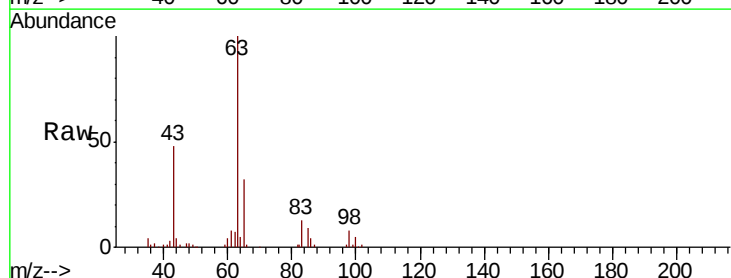
Tgt Ion: 63 Resp: 116975

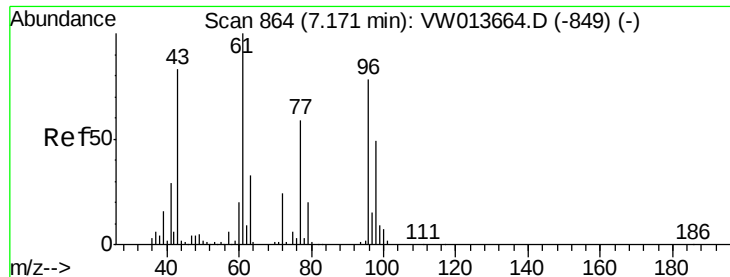
Ion Ratio Lower Upper

63 100

98 8.4 3.6 10.9

100 5.1 2.5 7.4





#25

2-Butanone

Concen: 108.692 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 43 Resp: 85732

Ion Ratio Lower Upper

43 100

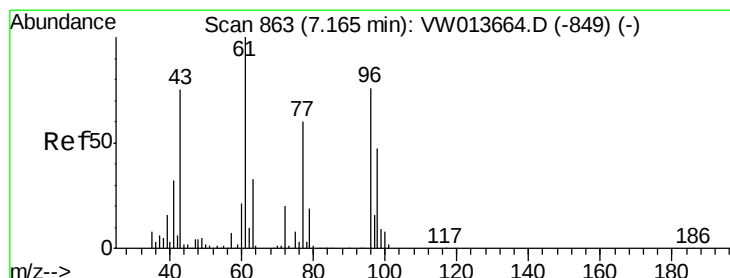
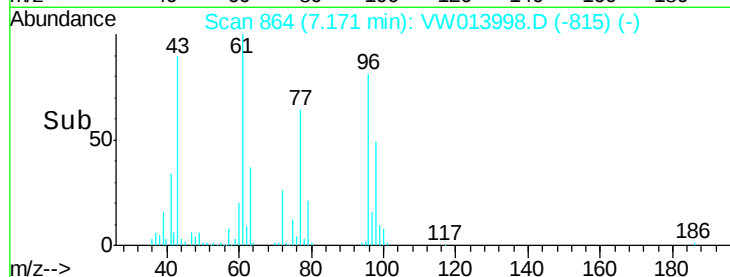
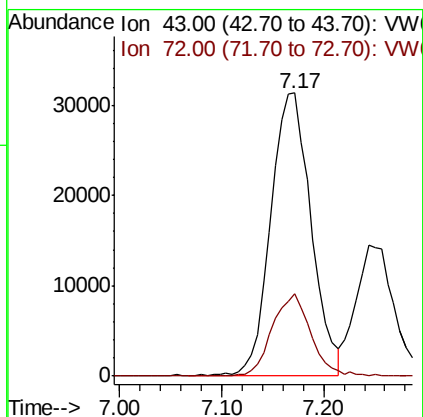
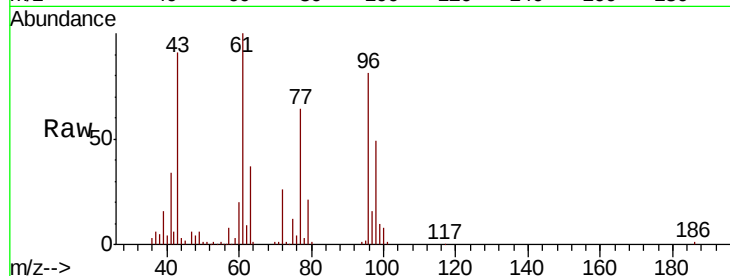
72 29.1 23.6 35.4

Manual Integrations

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11/15/2019 10:50:03 AM



#26

2,2-Dichloropropane

Concen: 22.477 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013998.D

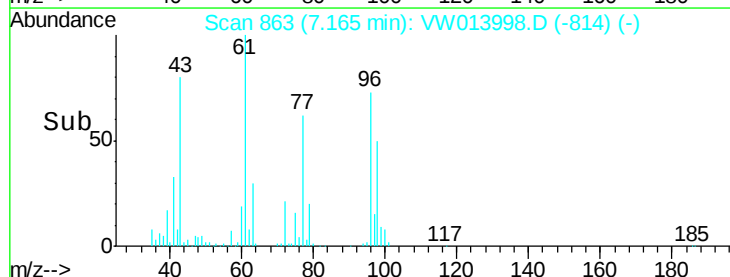
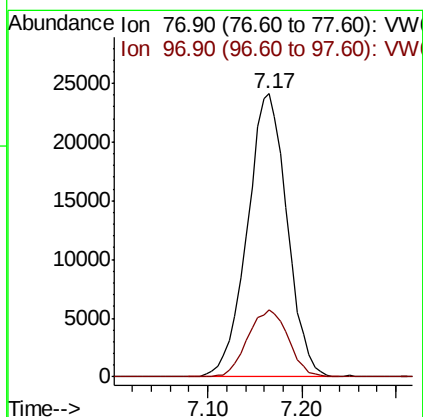
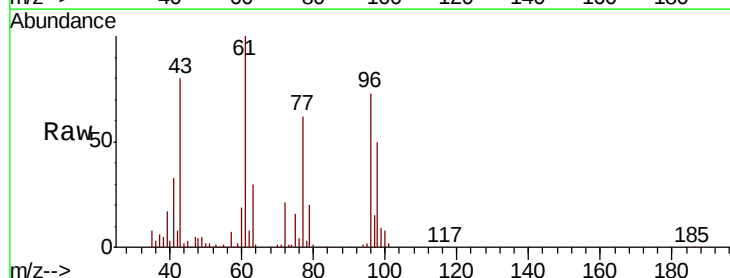
Acq: 13 Nov 2019 11:29

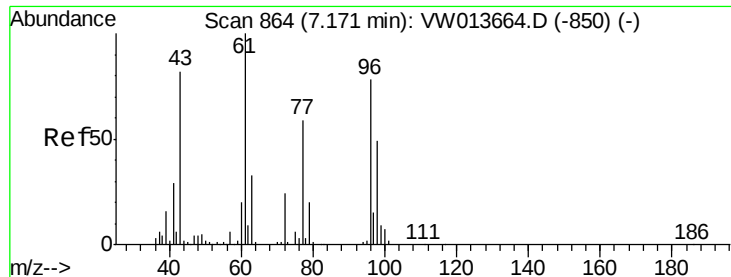
Tgt Ion: 77 Resp: 71421

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4





#27

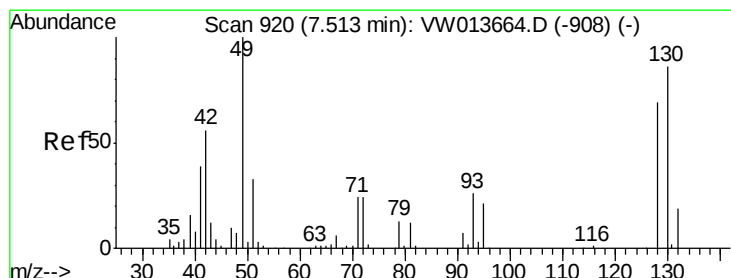
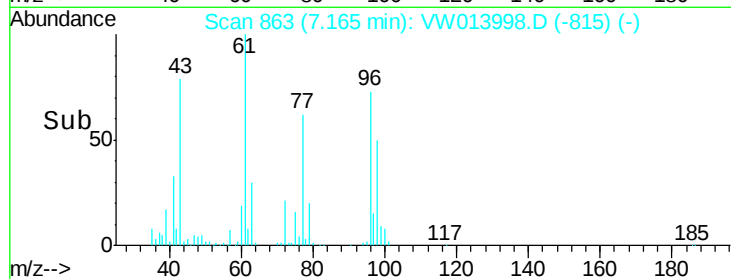
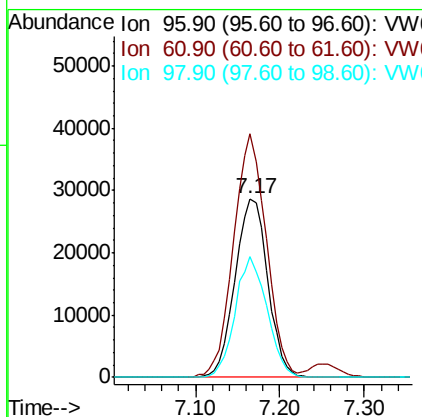
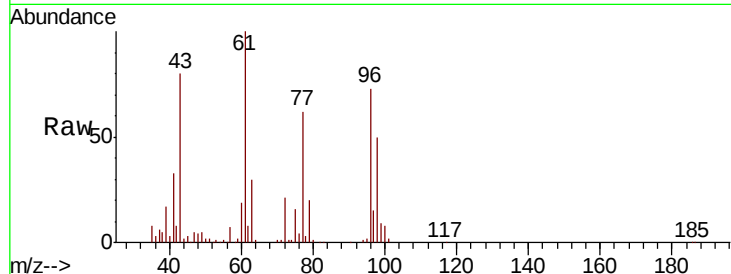
cis-1,2-Dichloroethene
 Concen: 21.218 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.2	0.0	266.0
98	65.9	0.0	126.8

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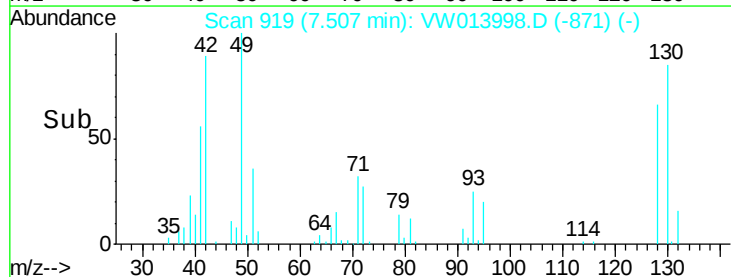
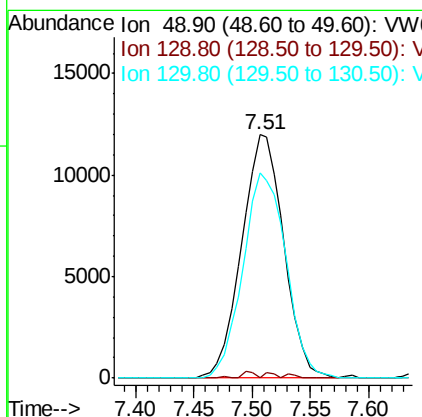
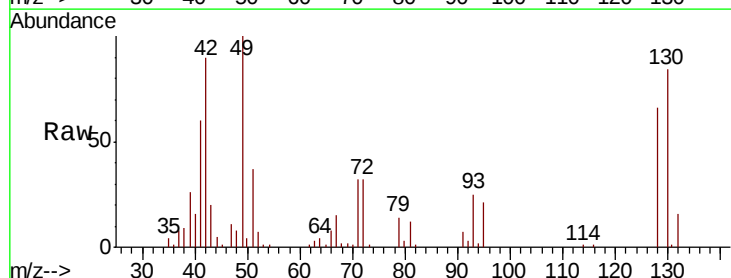
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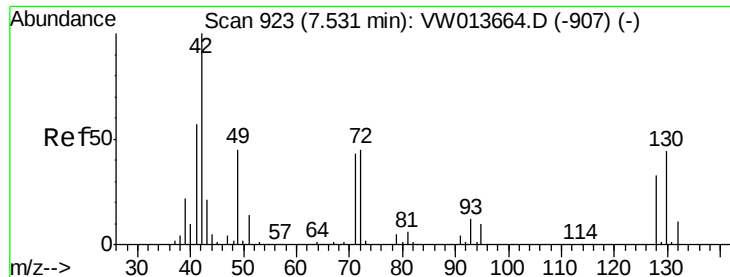


#28

Bromochloromethane
 Concen: 16.324 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	0.6#
130	86.7	67.5	101.3





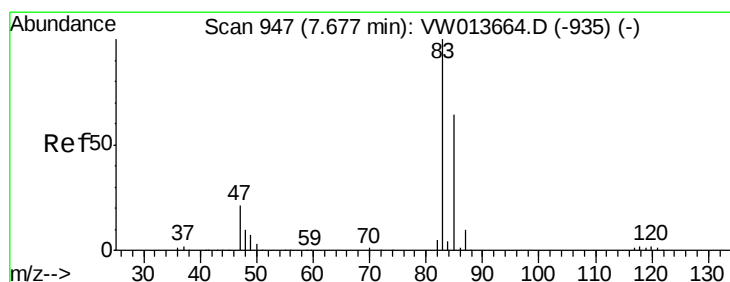
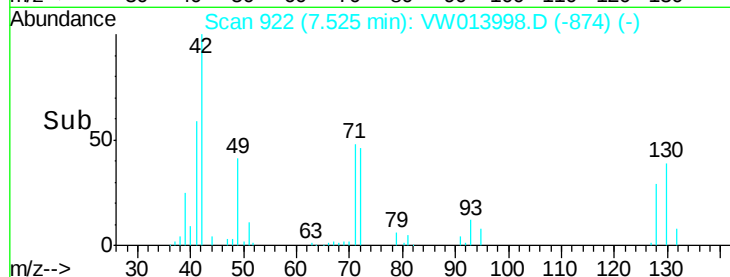
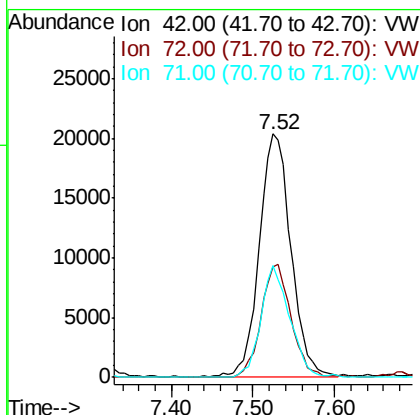
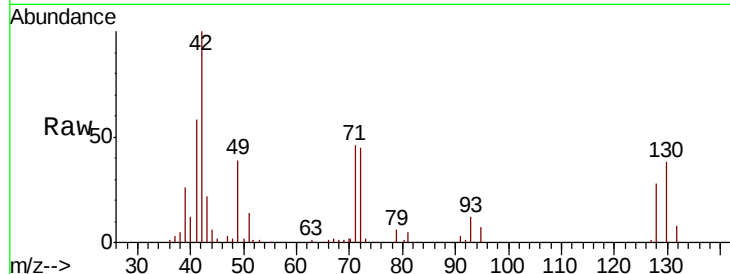
#29
Tetrahydrofuran
Concen: 113.285 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.3	52.9
71	41.5	33.3	49.9

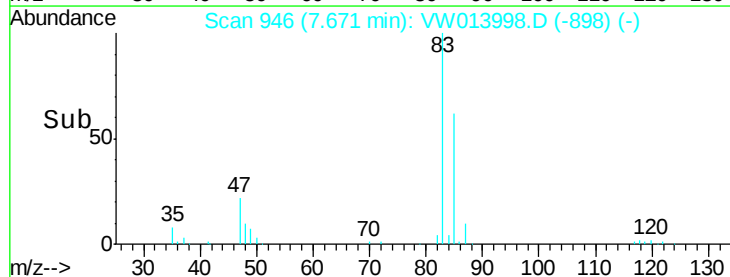
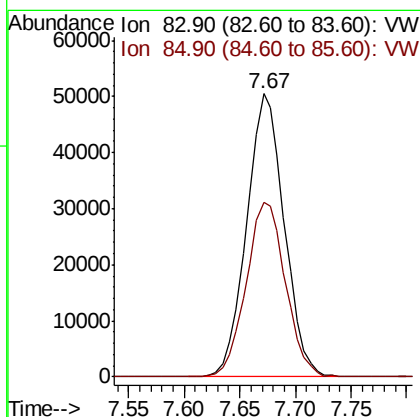
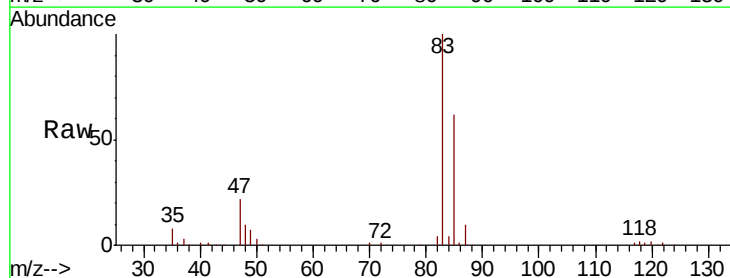
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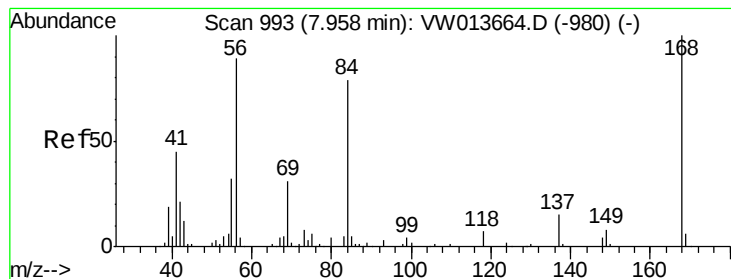
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#30
Chloroform
Concen: 21.832 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	51.4	77.2





#31

Cyclohexane

Concen: 21.382 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

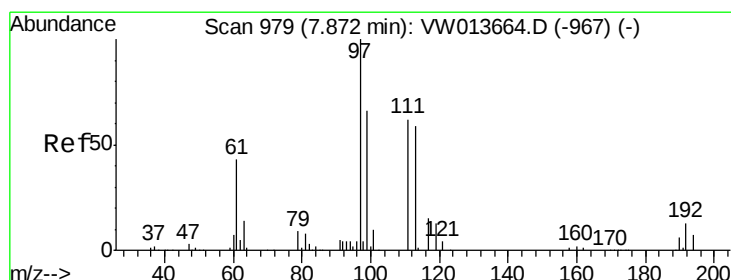
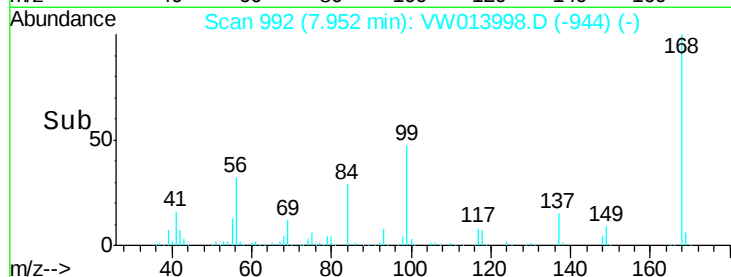
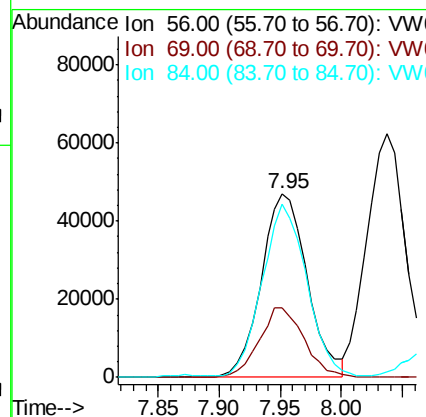
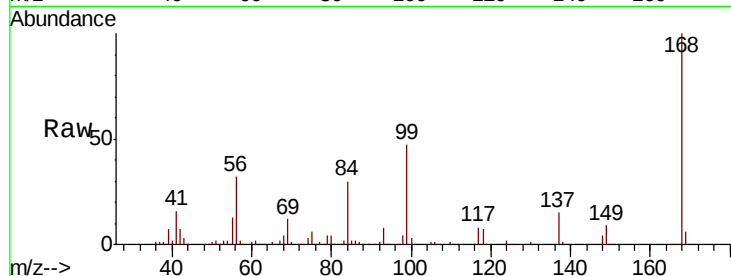
ClientSampleId :

VW1113SBS01

Tot Ion:	56	Resp:	122964
Ion Ratio	Lower	Upper	
56	100		
69	38.0	27.5	41.3
84	93.4	70.8	106.2

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#32

1,1,1-Trichloroethane

Concen: 22.119 ug/l

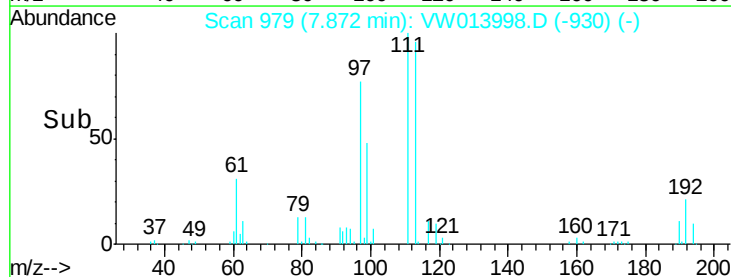
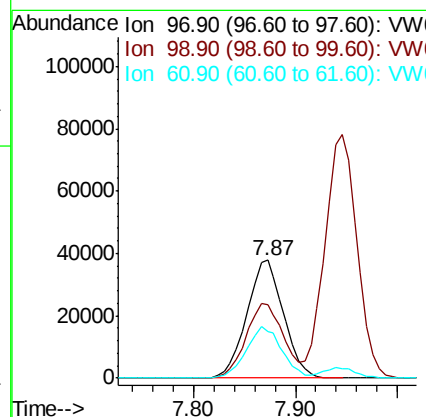
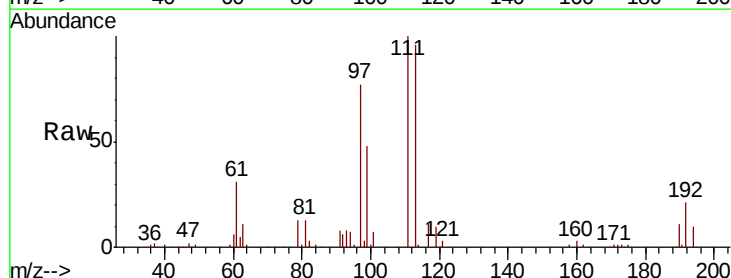
RT: 7.87 min Scan# 979

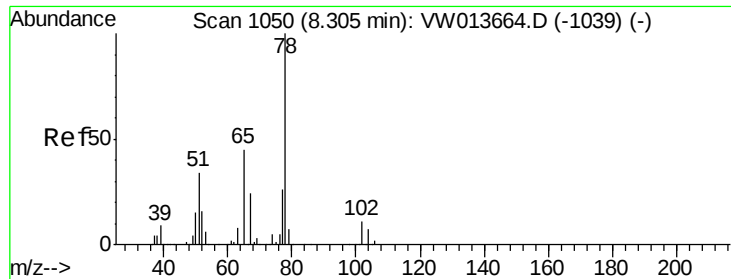
Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion:	97	Resp:	94291
Ion Ratio	Lower	Upper	
97	100		
99	64.7	52.0	78.0
61	42.7	33.8	50.6





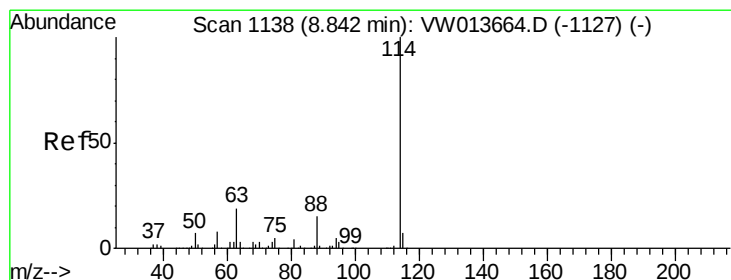
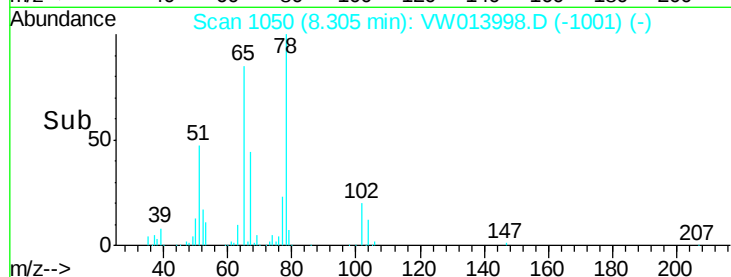
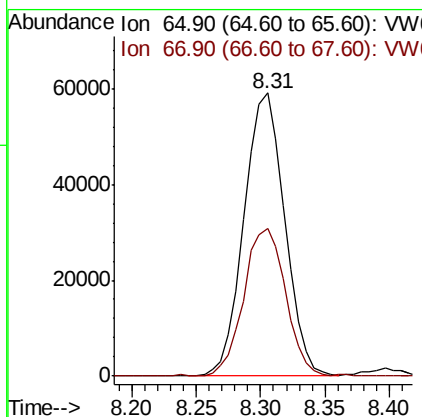
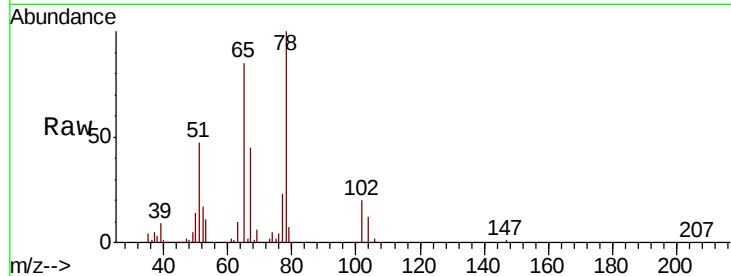
#33
 1,2-Dichloroethane-d4
 Concen: 50.011 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	129403		
67	53.7	0.0	109.4	

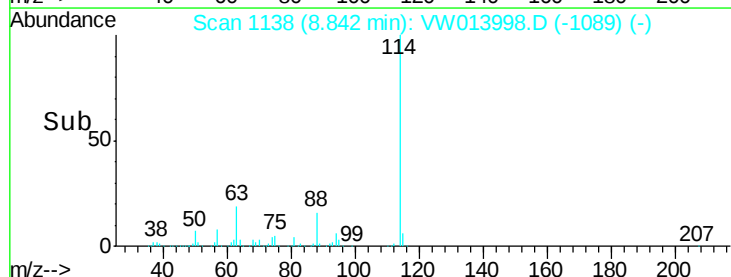
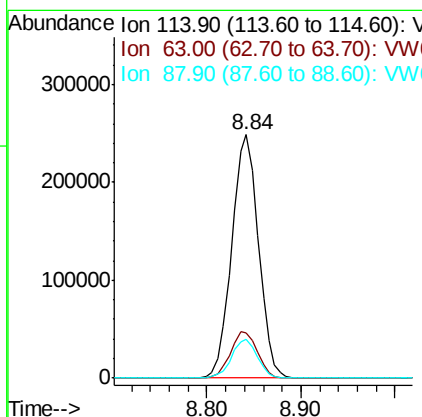
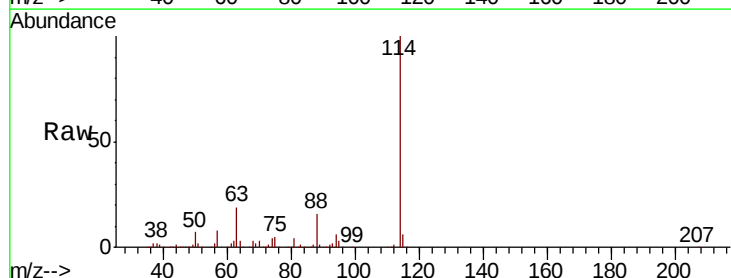
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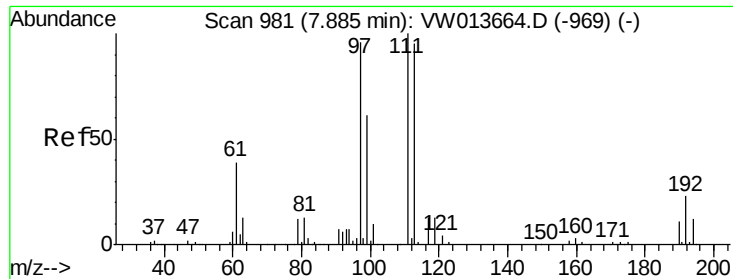
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	490205		
63	18.8	0.0	37.6	
88	16.2	0.0	30.2	





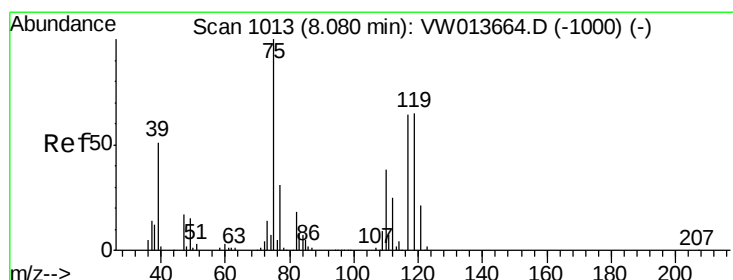
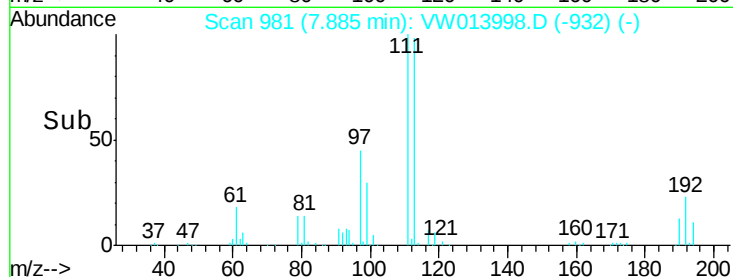
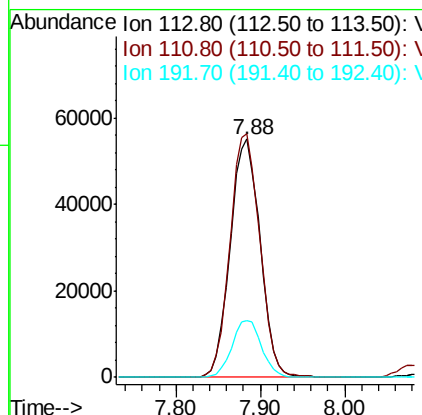
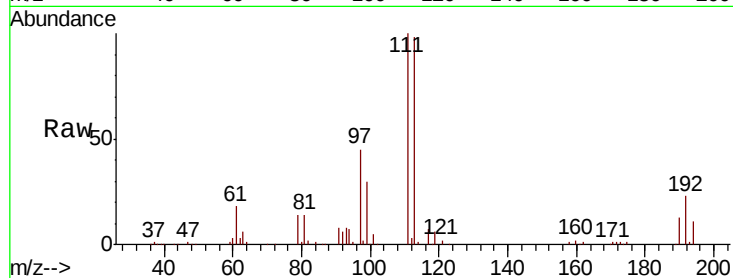
#35
 Dibromofluoromethane
 Concen: 48.666 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132560		
111	101.9	83.0	124.6	
192	23.5	19.4	29.2	

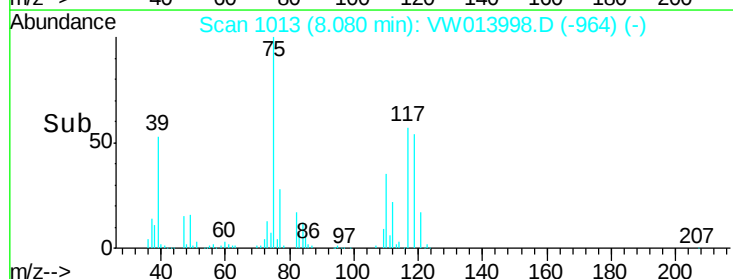
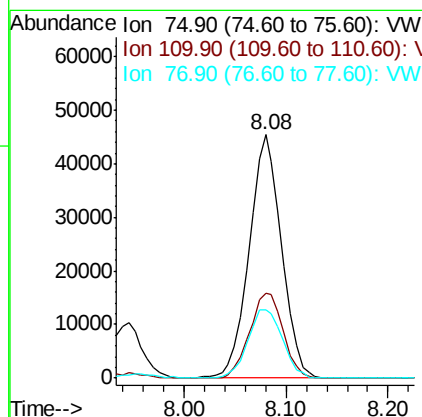
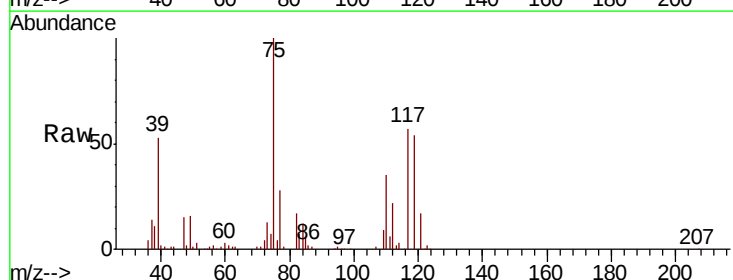
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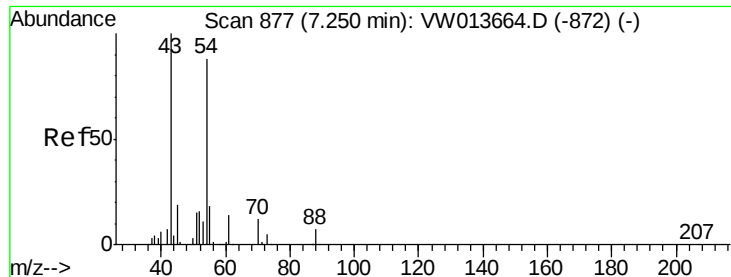
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#36
 1,1-Dichloropropene
 Concen: 21.938 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	100152		
110	36.2	18.7	56.1	
77	30.3	25.4	38.0	





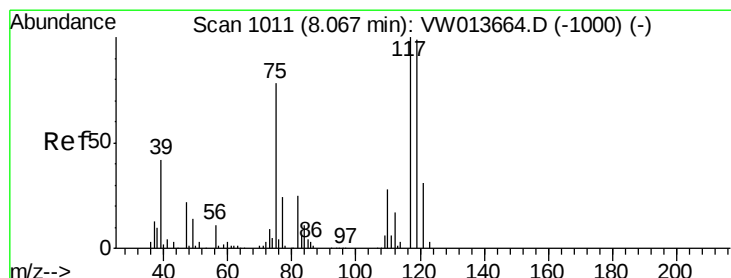
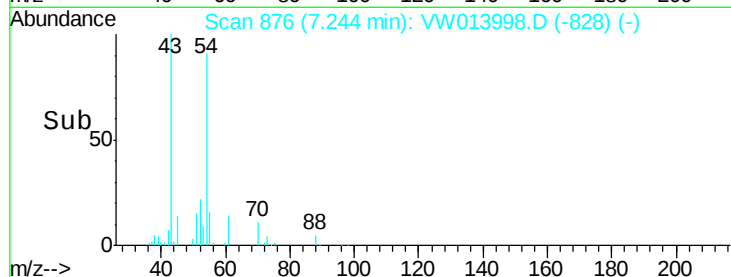
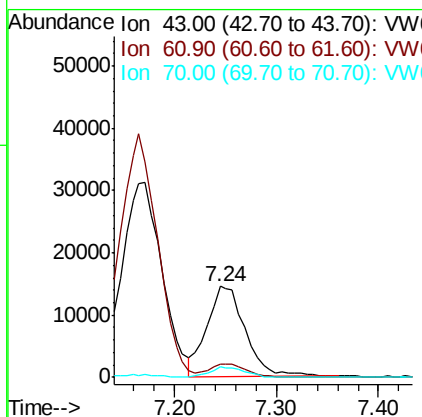
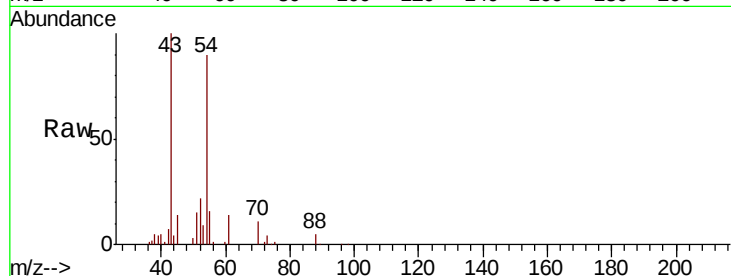
#37
Ethyl Acetate
Concen: 21.679 ug/l
RT: 7.24 min Scan# 876
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.7	17.5
70	11.0	8.8	13.2

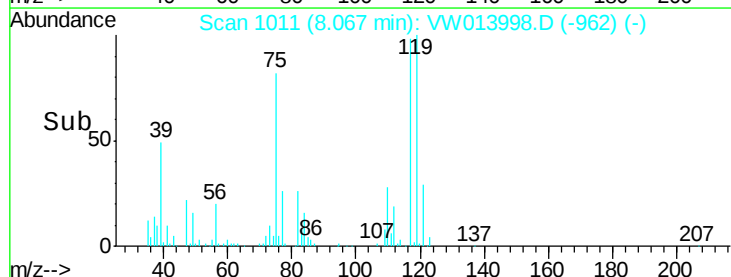
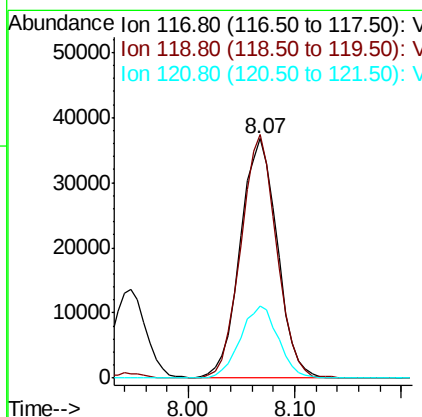
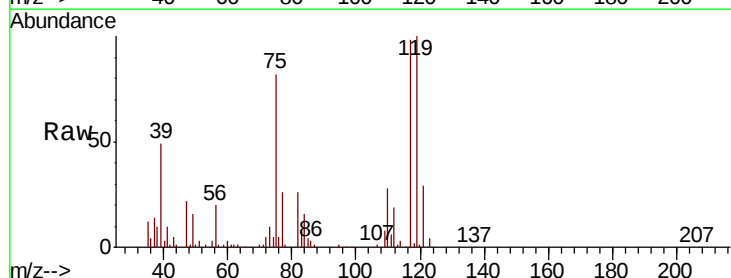
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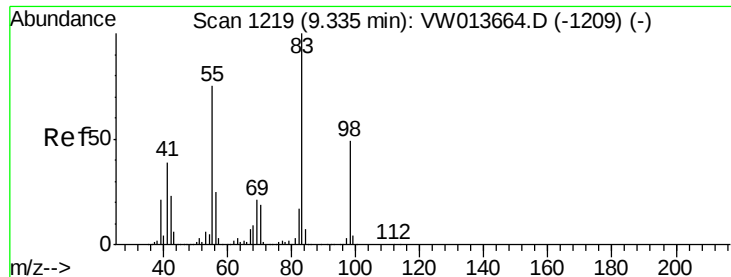
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#38
Carbon Tetrachloride
Concen: 21.876 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.6	79.0	118.4
121	29.8	24.5	36.7





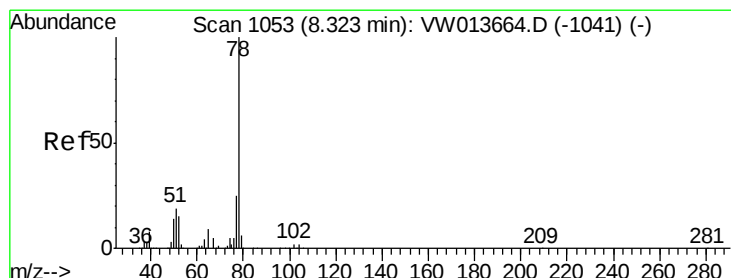
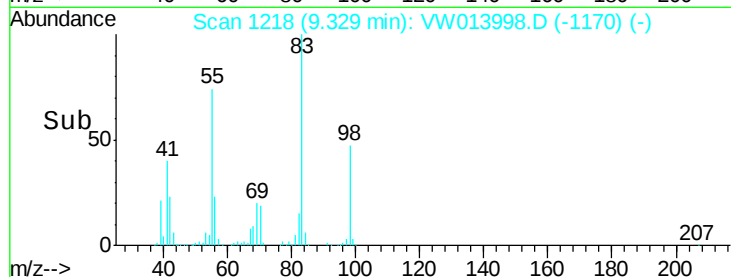
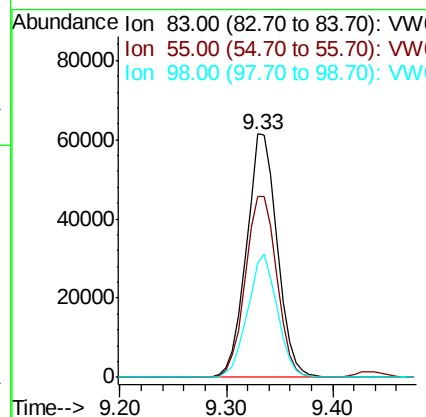
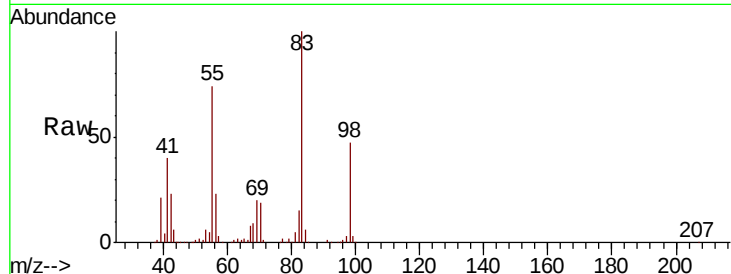
#39
Methvlcvclohexane
Concen: 21.258 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	59.9	89.9
98	46.9	39.4	59.2

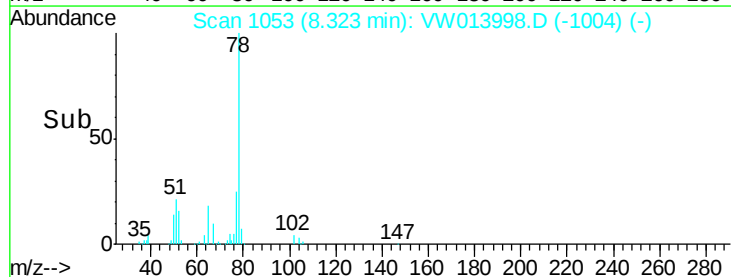
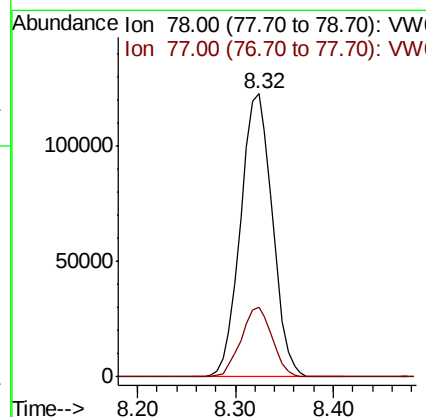
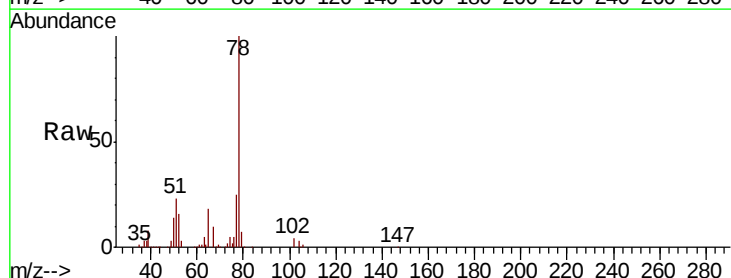
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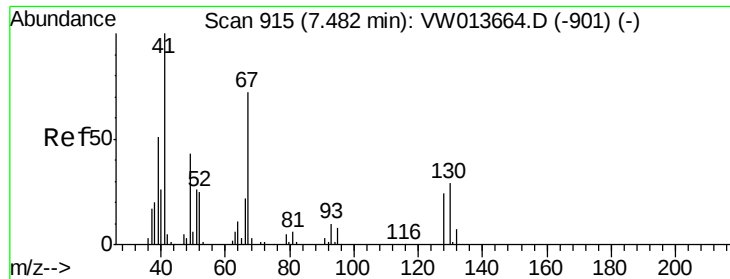
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#40
Benzene
Concen: 21.476 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.6	29.4





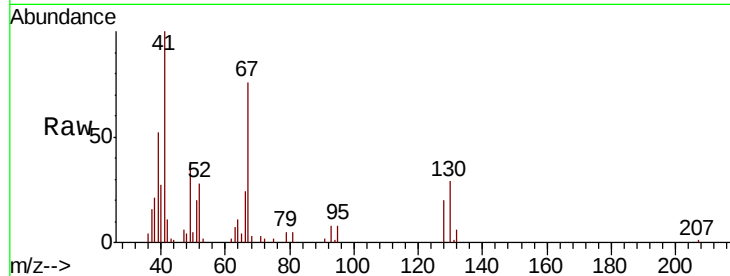
#41
Methacrylonitrile
Concen: 23.762 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

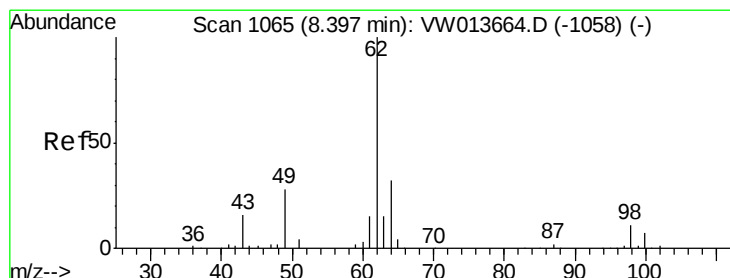
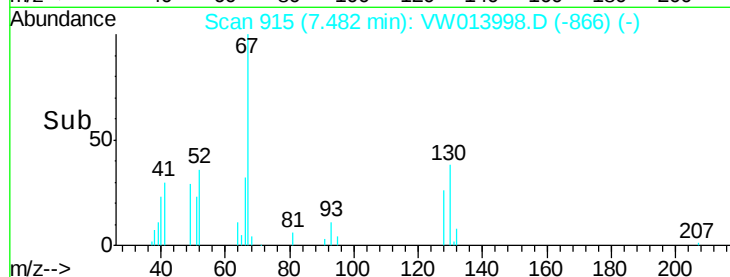
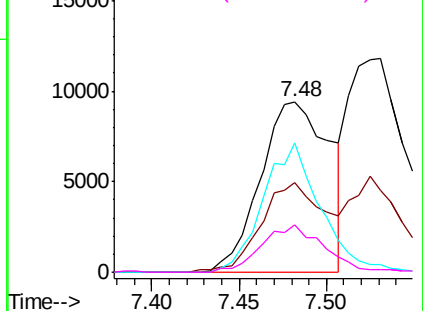
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		25895		
39	49.1	44.8	67.2		
67	63.1	59.3	88.9		
52	25.2	23.4	35.0		

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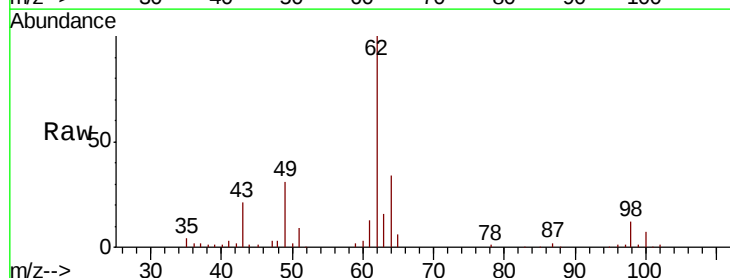


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

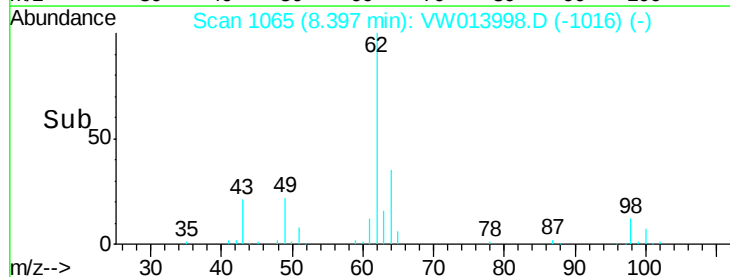
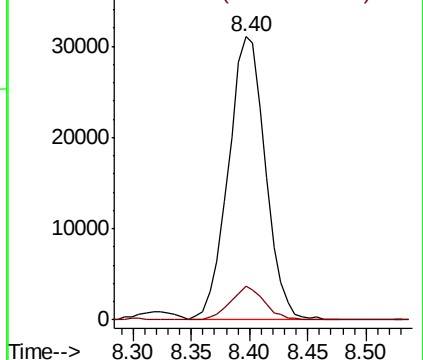


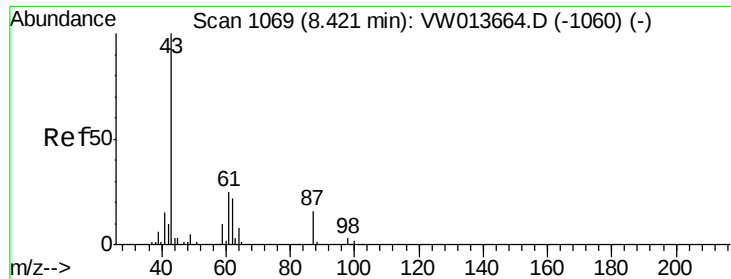
#42
1,2-Dichloroethane
Concen: 21.139 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		68824		
98	11.0	0.0	22.4		



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

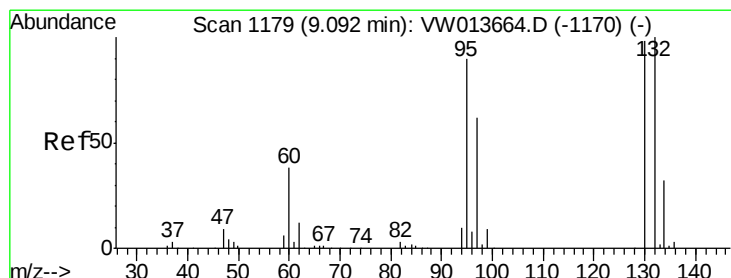
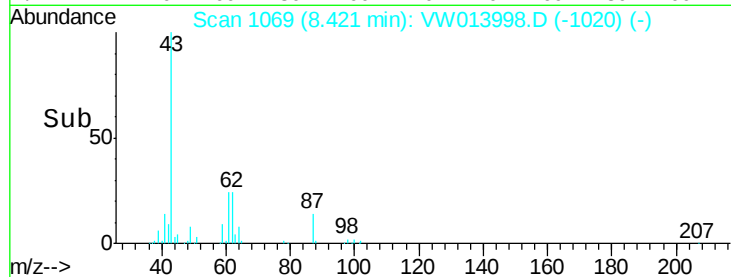
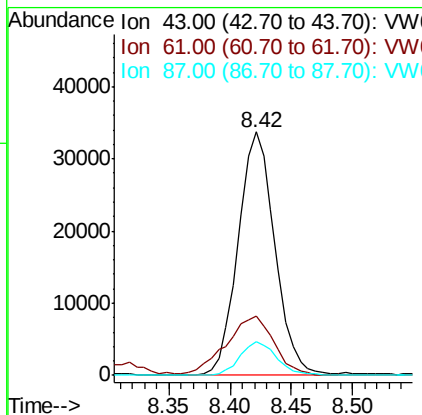
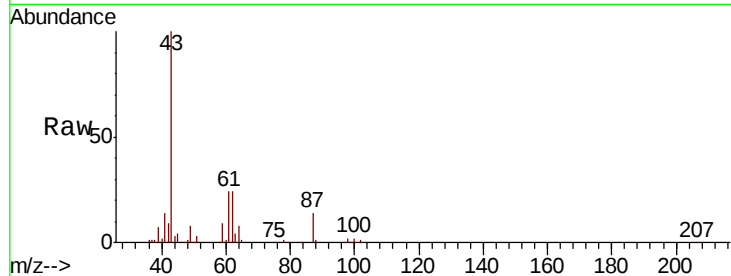
Isopropyl Acetate
 Concen: 21.066 ug/l
 RT: 8.42 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	26.1	39.1
87	13.6	11.4	17.0

Manual Integrations
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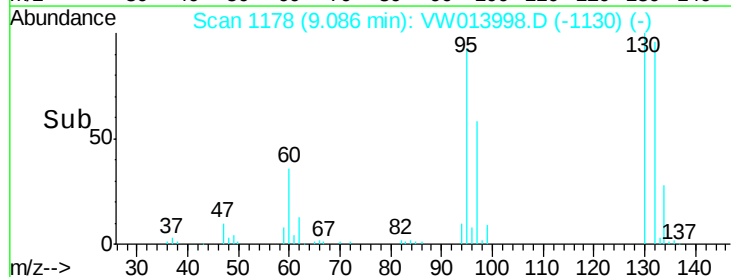
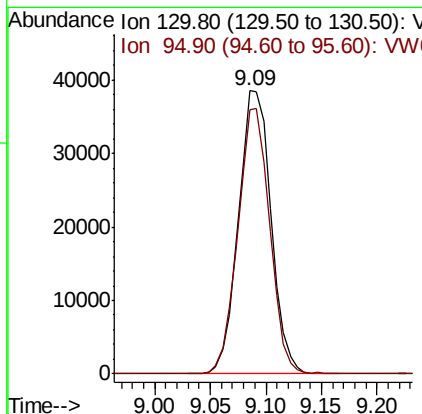
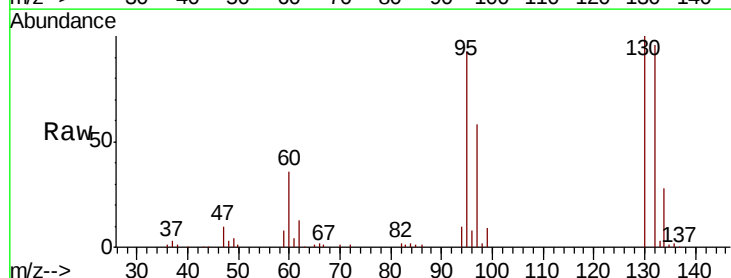
MMDadoda
 11/15/2019 10:50:03 AM

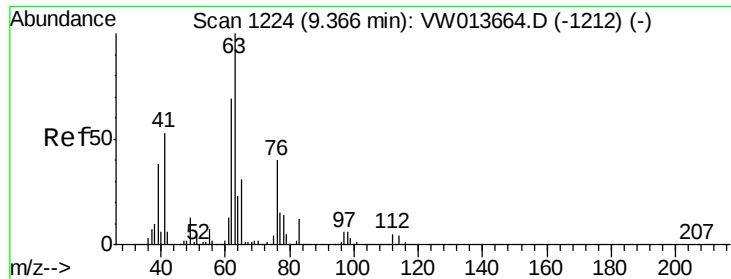


#44

Trichloroethene
 Concen: 21.162 ug/l
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.583 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 63 Resp: 66606

Ion Ratio Lower Upper

63 100

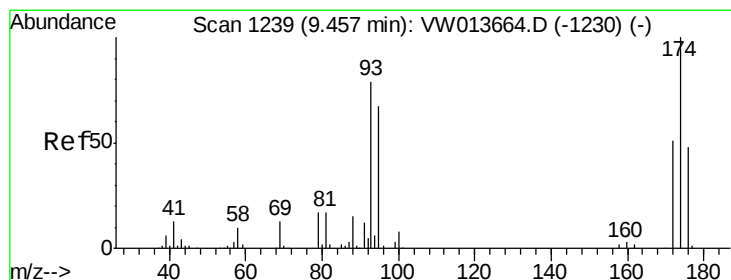
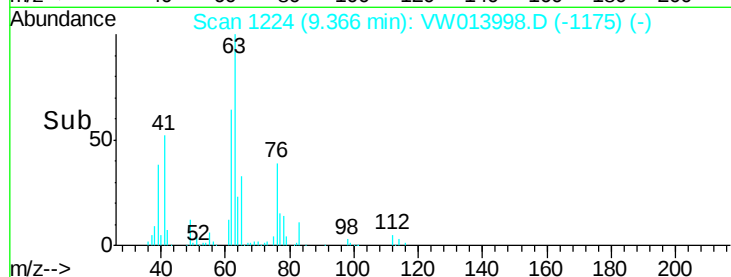
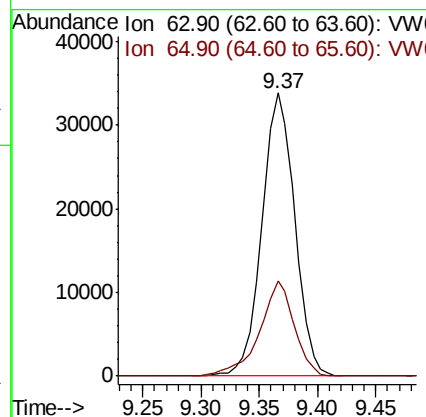
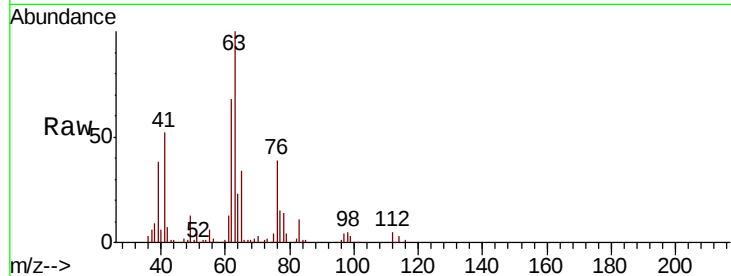
65 33.7 25.2 37.8

Manual Integrations

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MMDadoda

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#46

Dibromomethane

Concen: 20.750 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

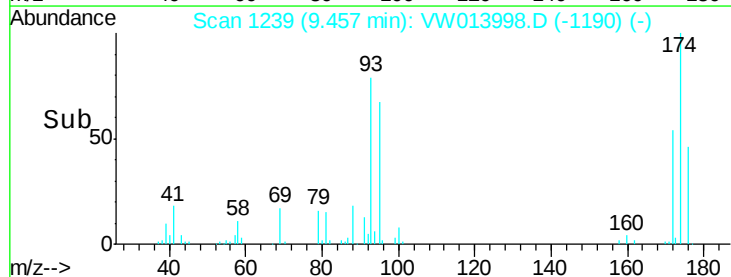
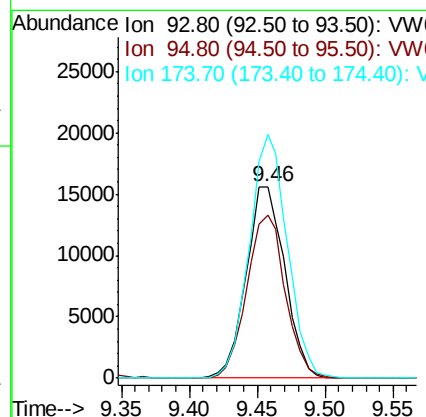
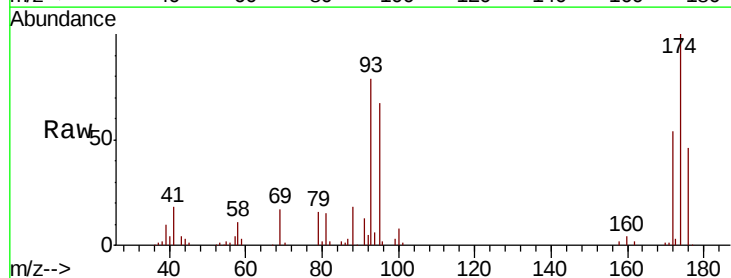
Tgt Ion: 93 Resp: 31080

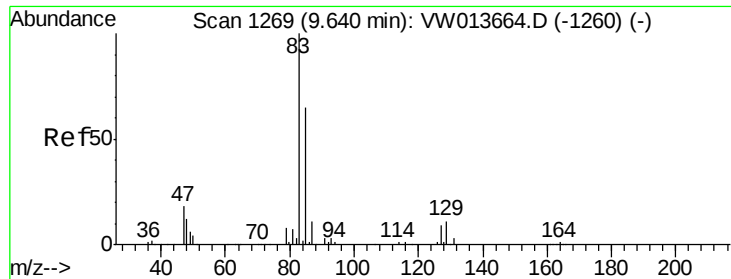
Ion Ratio Lower Upper

93 100

95 84.4 66.5 99.7

174 125.2 99.6 149.4





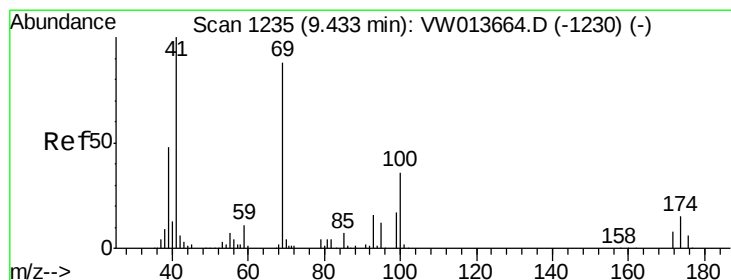
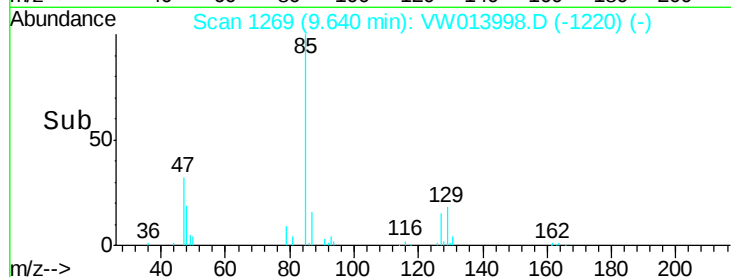
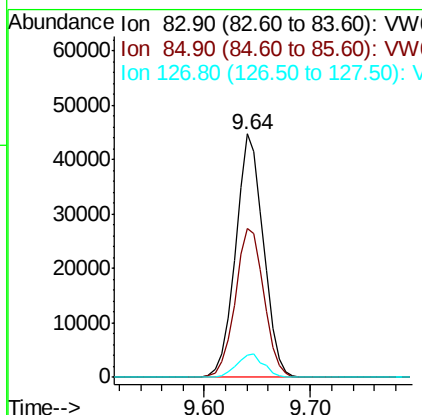
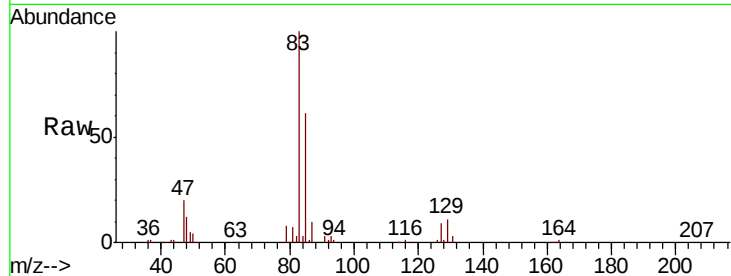
#47
Bromodichloromethane
Concen: 21.123 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	83	Resp	81863
Ion Ratio	100	Lower	Upper
83	100		
85	61.1	51.8	77.6
127	9.2	7.3	10.9

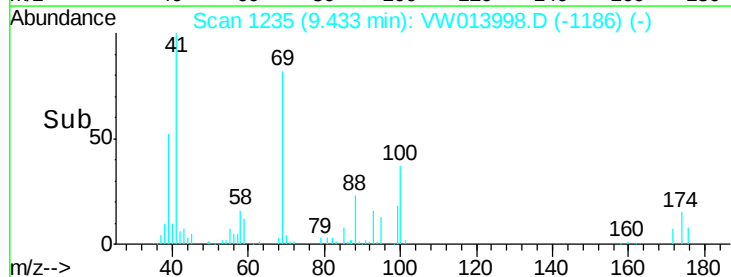
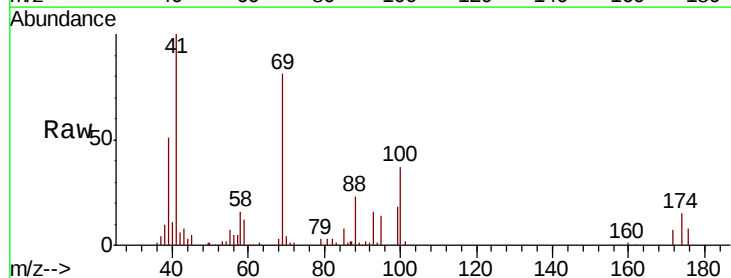
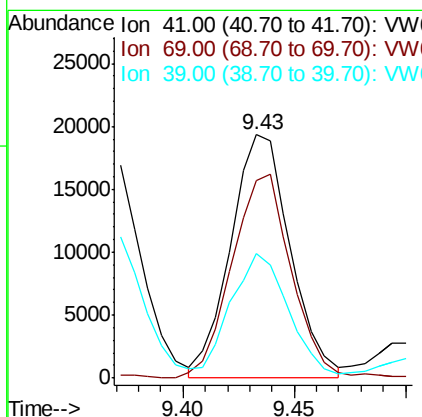
Manual Integrations
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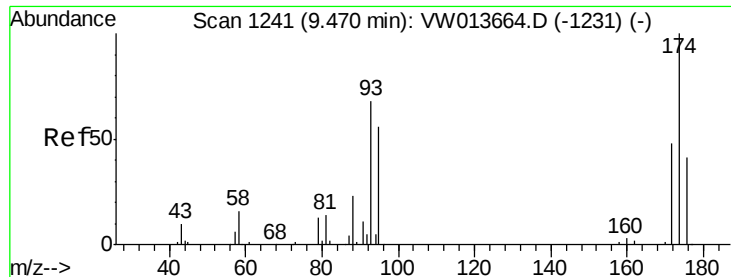
MMDadoda
11/15/2019 10:50:03 AM



#48
Methyl methacrylate
Concen: 21.754 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	41	Resp	36086
Ion Ratio	100	Lower	Upper
41	100		
69	83.8	67.6	101.4
39	46.8	38.6	58.0





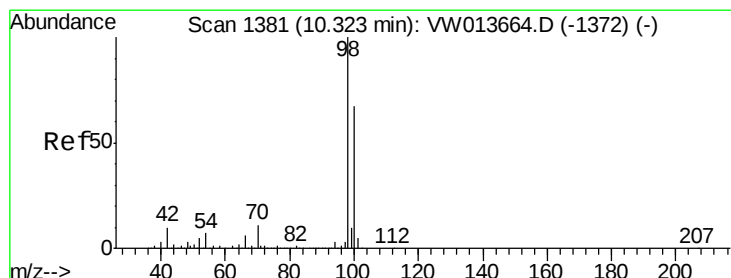
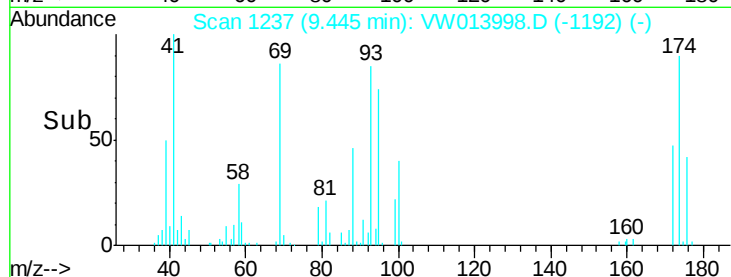
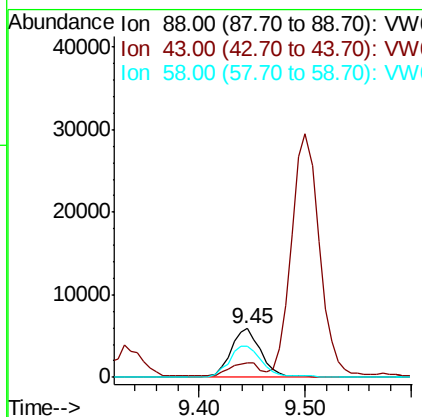
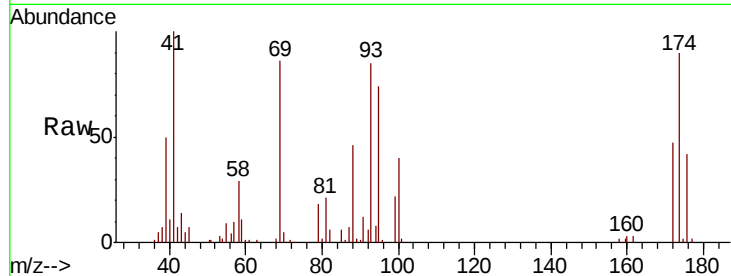
#49
1,4-Dioxane
Concen: 536.524 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	11875		
43	27.6	0.0	0.0	#
58	68.0	58.9	88.3	

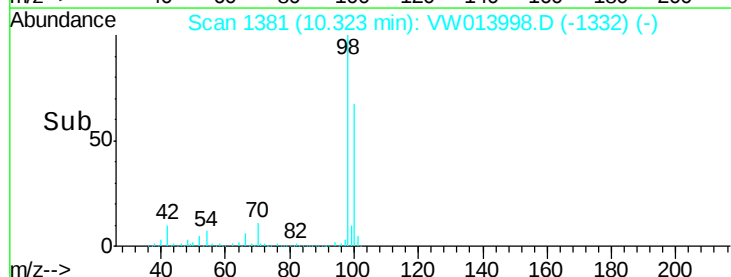
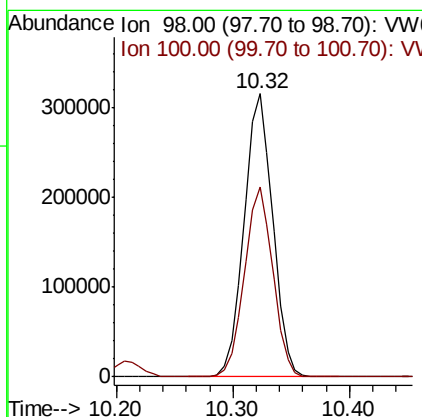
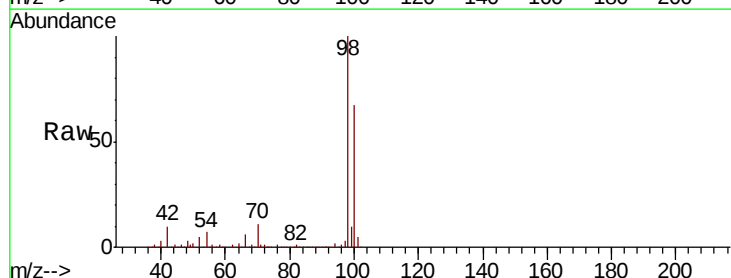
Manual Integrations
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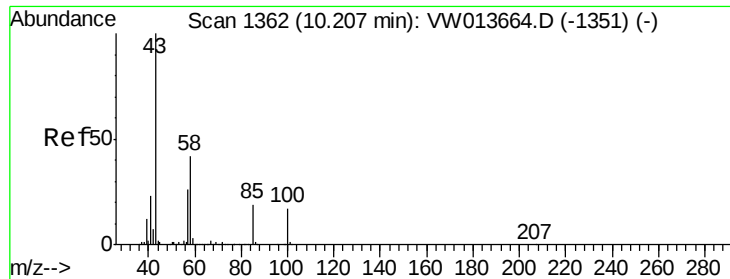
MMDadoda
11/15/2019 10:50:03 AM



#50
Toluene-d8
Concen: 49.072 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	544652		
100	66.3	53.4	80.0	





#51

4-Methyl-2-Pentanone

Concen: 109.207 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 43 Resp: 181531

Ion Ratio Lower Upper

43 100

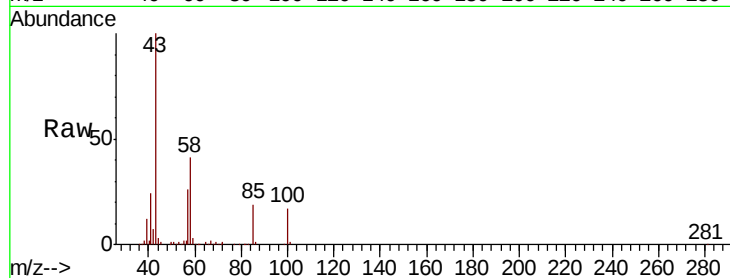
58 40.7 32.6 49.0

Manual Integrations

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MMDadoda

11/15/2019 10:50:03 AM



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

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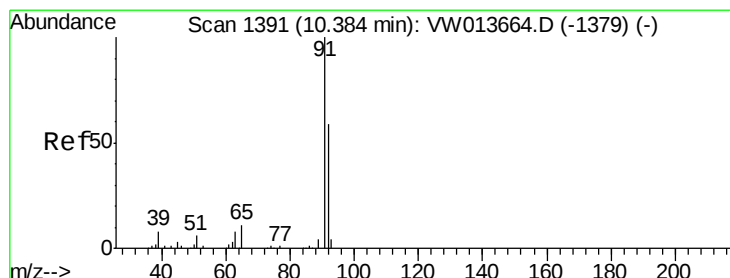
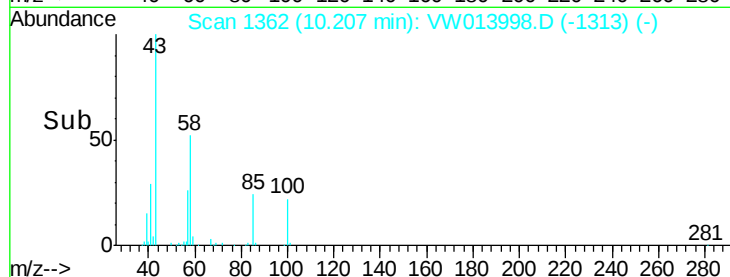
10.21

10.21

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10.21



#52

Toluene

Concen: 21.319 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW013998.D

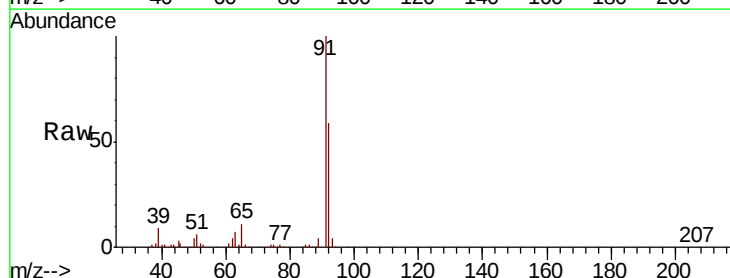
Acq: 13 Nov 2019 11:29

Tgt Ion: 92 Resp: 177667

Ion Ratio Lower Upper

92 100

91 168.8 134.5 201.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

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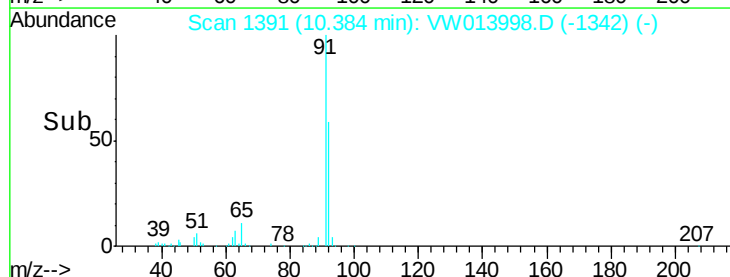
10.38

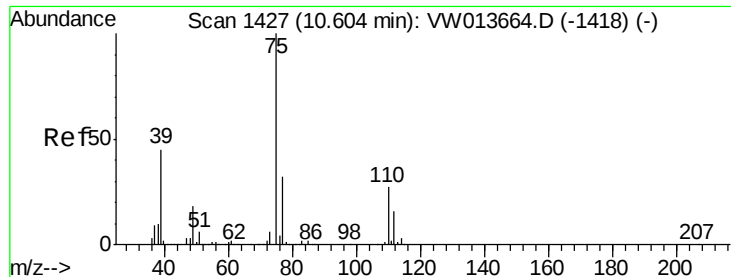
10.38

10.38

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10.38





#53

t-1,3-Dichloropropene

Concen: 20.717 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 75 Resp: 81278

Ion Ratio Lower Upper

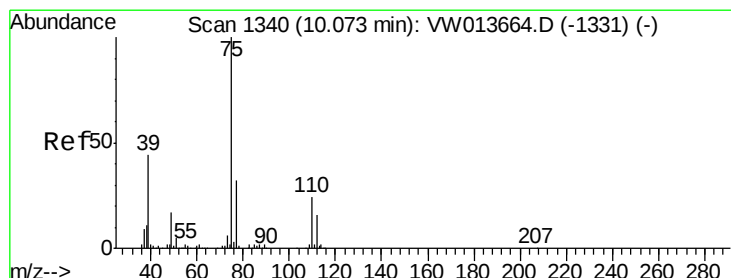
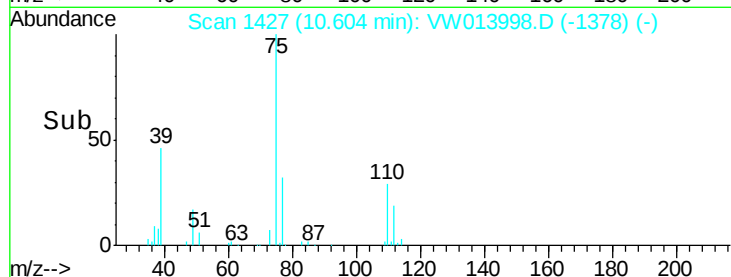
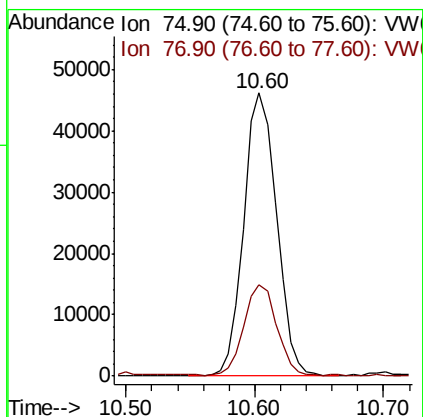
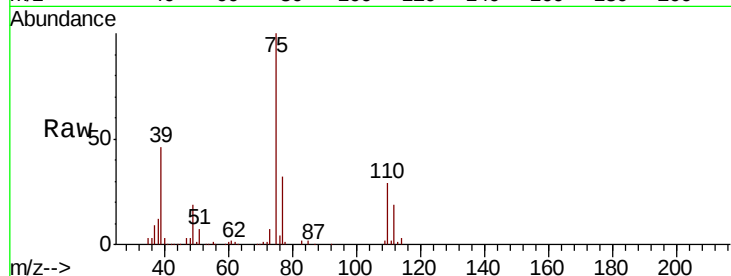
75 100

77 31.9 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 20.821 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

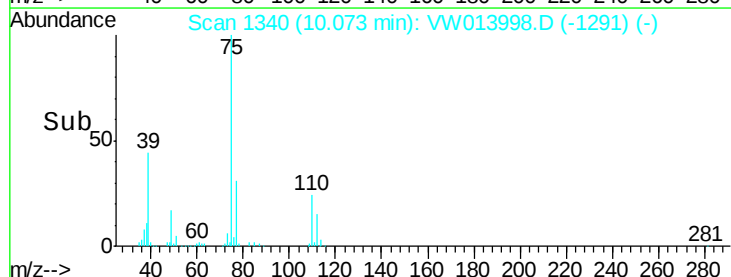
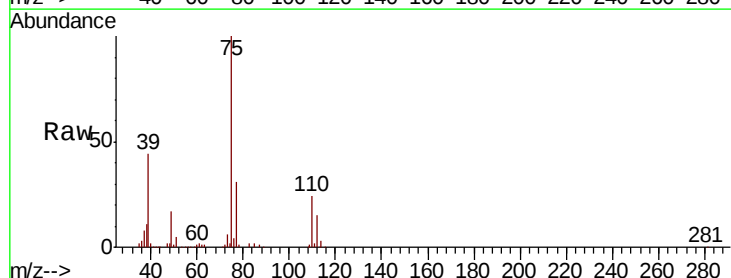
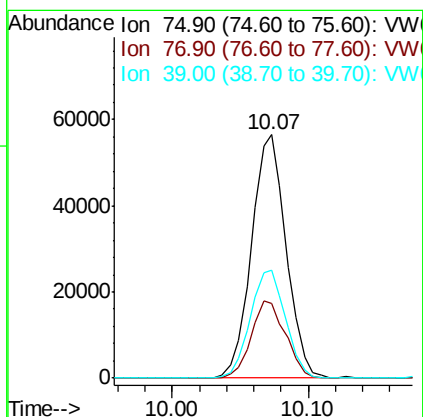
Tgt Ion: 75 Resp: 100783

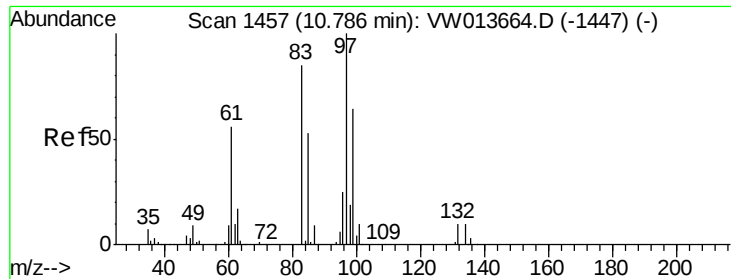
Ion Ratio Lower Upper

75 100

77 30.5 25.8 38.6

39 44.4 35.3 52.9





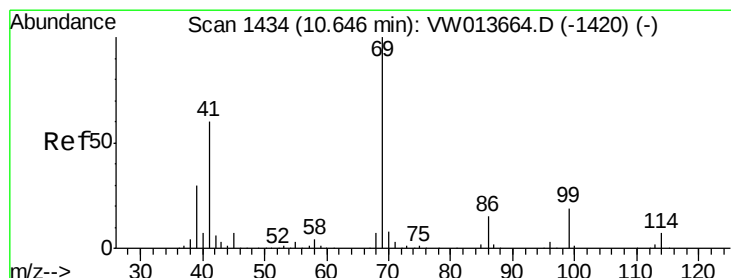
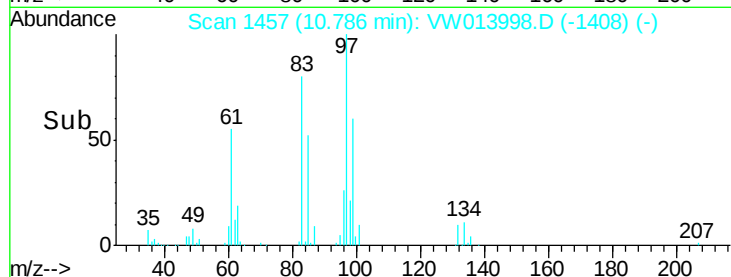
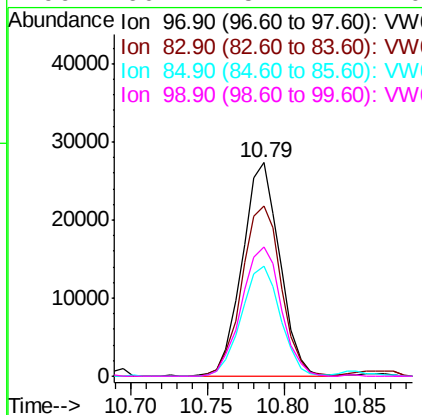
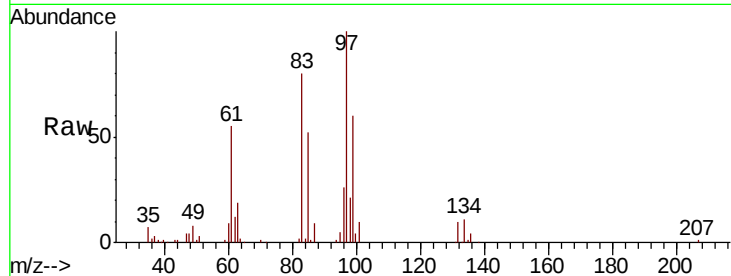
#55
1,1,2-Trichloroethane
Concen: 20.902 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	97	Resp	46659
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.8	101.8
85	51.6	42.1	63.1
99	60.4	51.4	77.0

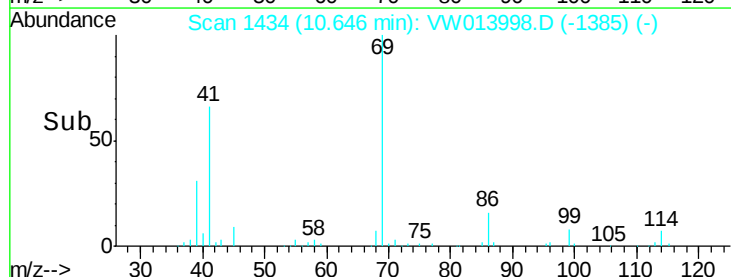
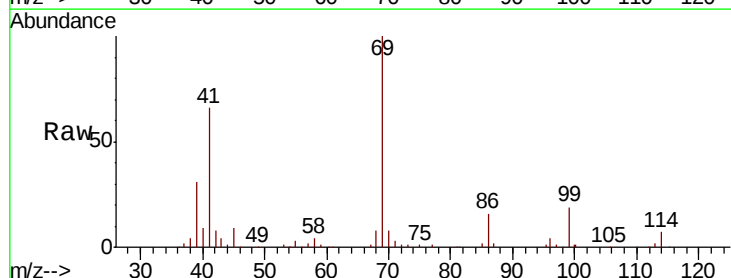
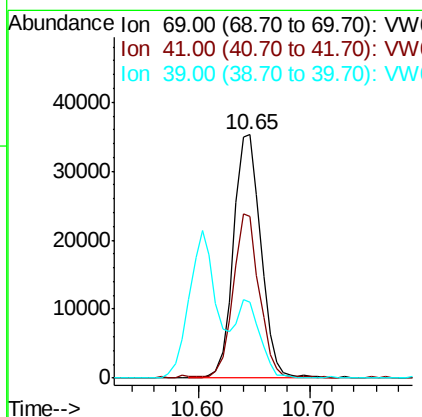
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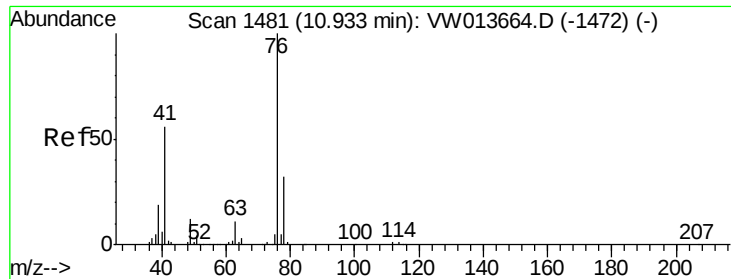
MMDadoda
11/15/2019 10:50:03 AM



#56
Ethyl methacrylate
Concen: 21.564 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	69	Resp	60225
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.6	77.4
39	27.7	22.4	33.6





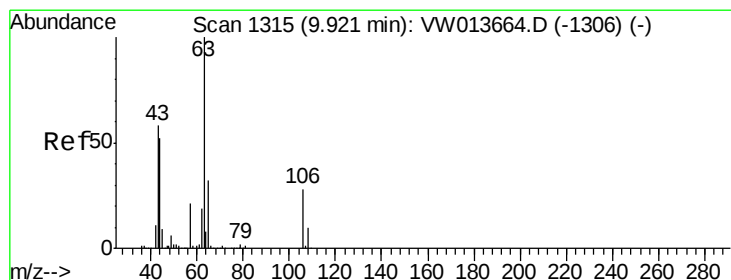
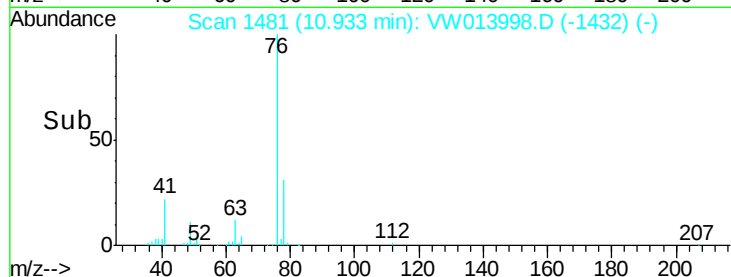
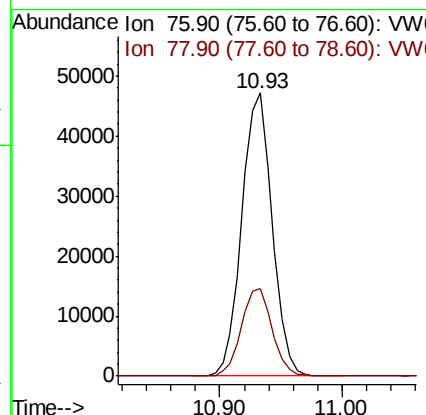
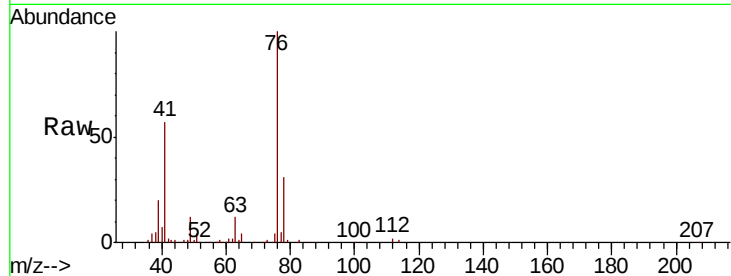
#57
 1,3-Dichloropropane
 Concen: 21.145 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	26.0	39.0

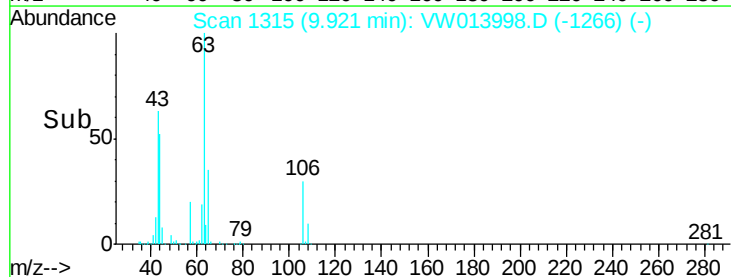
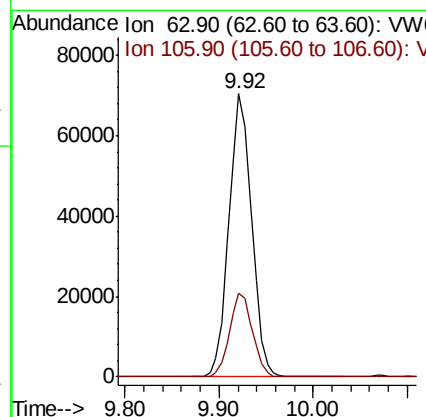
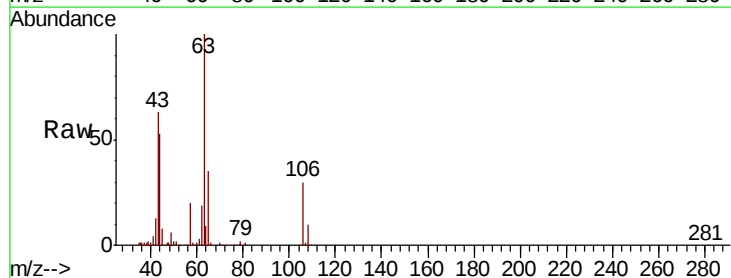
Manual Integrations
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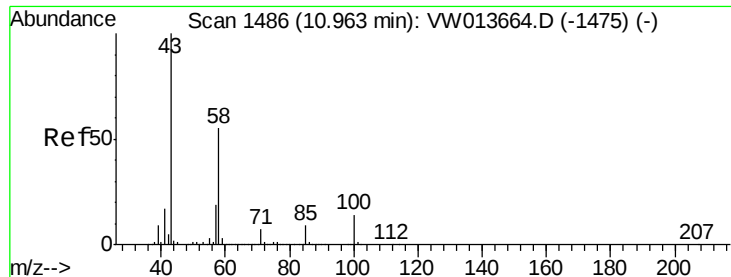
MMDadoda
 11/15/2019 10:50:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.824 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.8	23.8	35.8





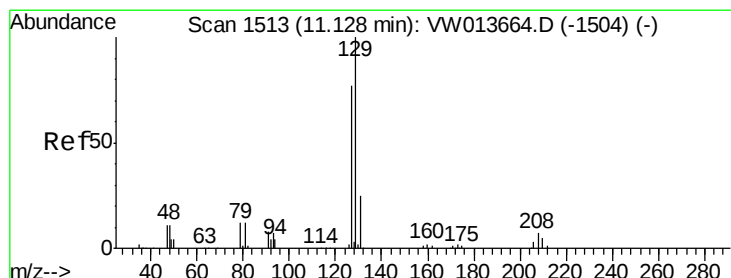
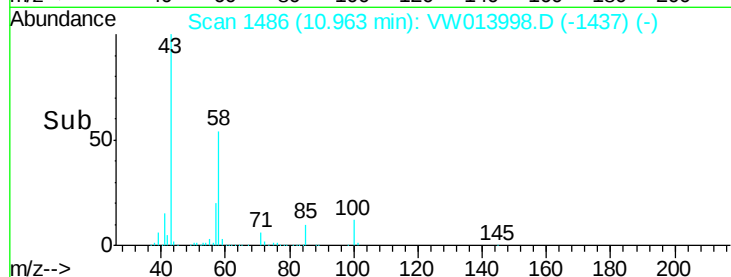
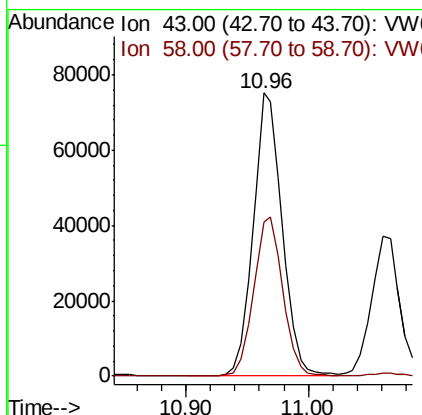
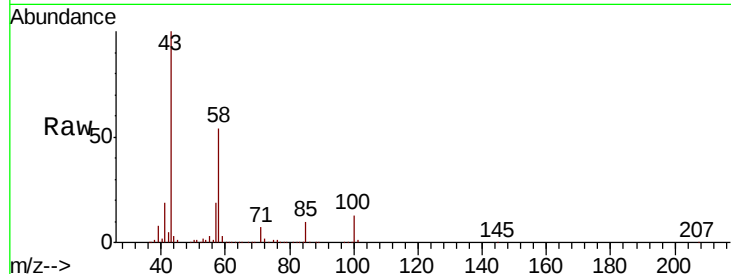
#59
2-Hexanone
Concen: 108.258 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.8	27.9	83.7

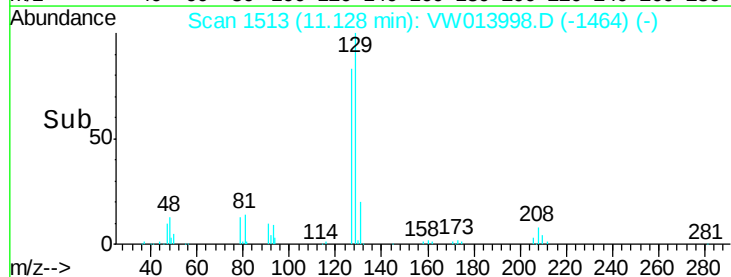
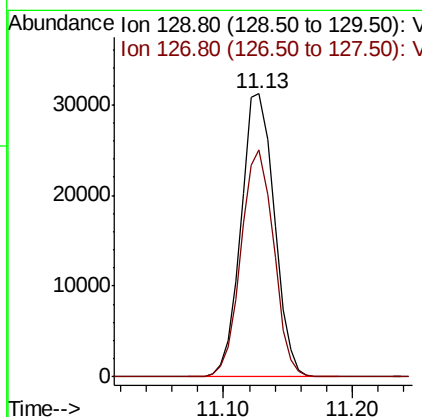
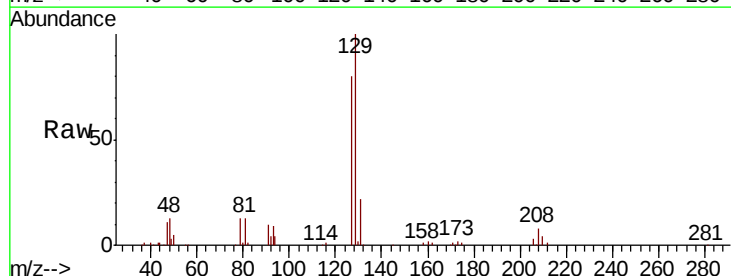
Manual Integrations
APPROVED

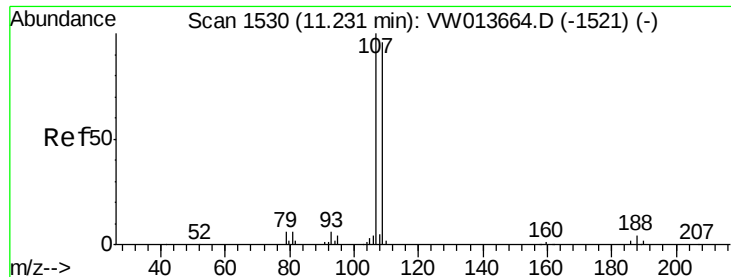
MMDadoda
11/15/2019 10:50:03 AM



#60
Dibromochloromethane
Concen: 21.055 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.9	116.7





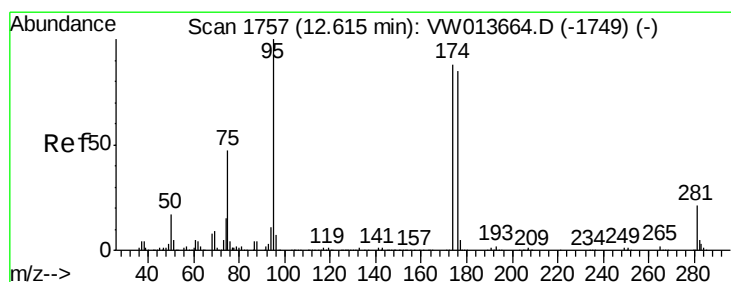
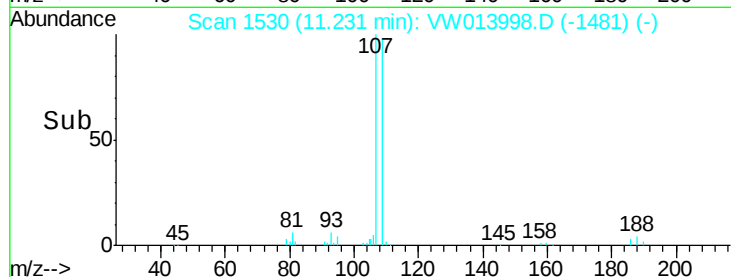
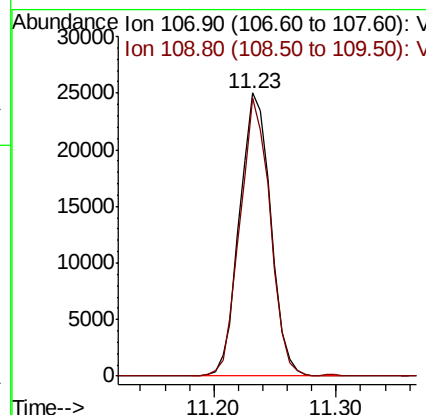
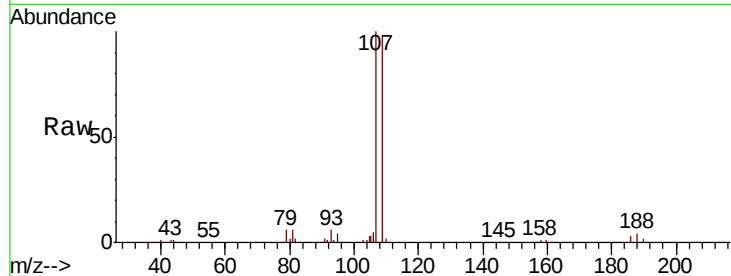
#61
 1,2-Dibromoethane
 Concen: 20.907 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	75.7	113.5

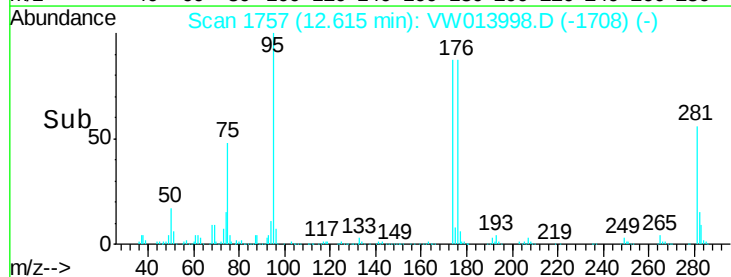
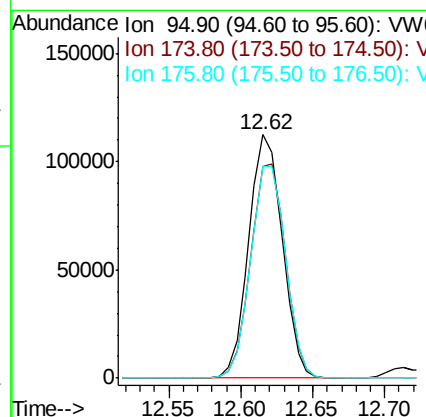
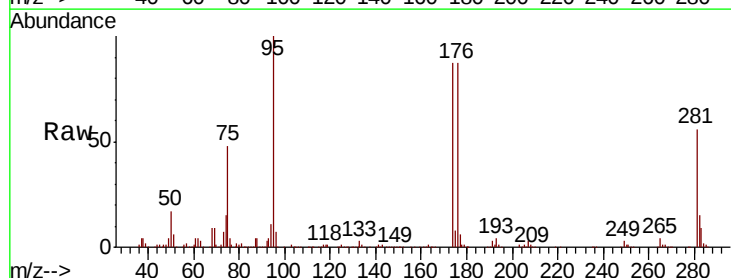
Manual Integrations
 APPROVED

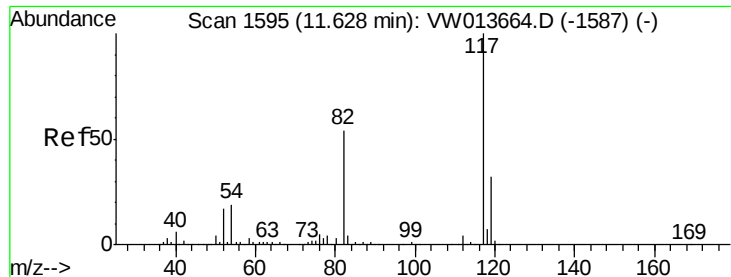
MMDadoda
 11/15/2019 10:50:03 AM



#62
 4-Bromofluorobenzene
 Concen: 48.321 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	183.6
176	90.2	0.0	178.0





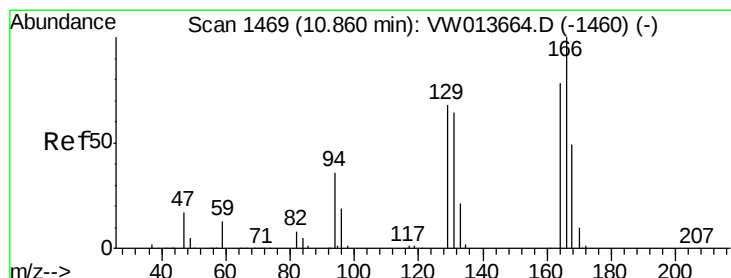
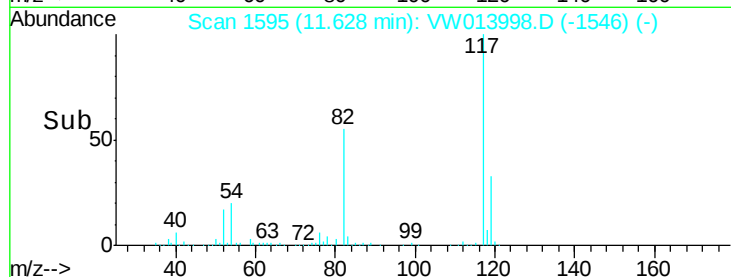
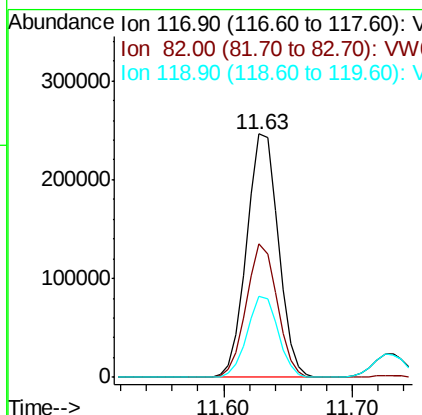
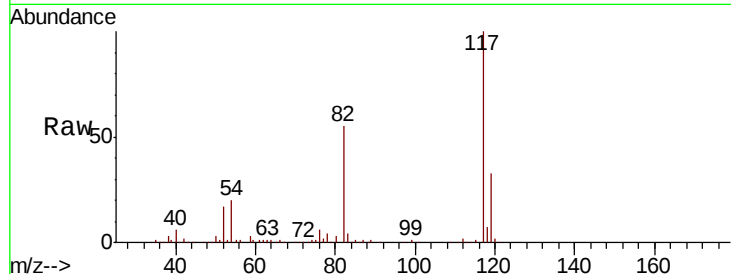
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.1	43.6	65.4	
119	33.4	25.4	38.2	

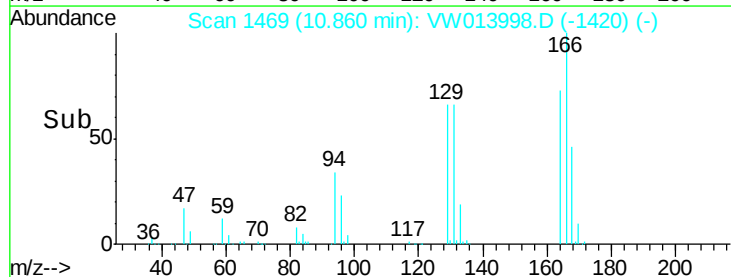
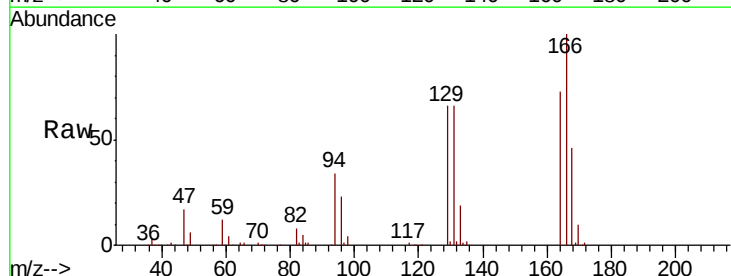
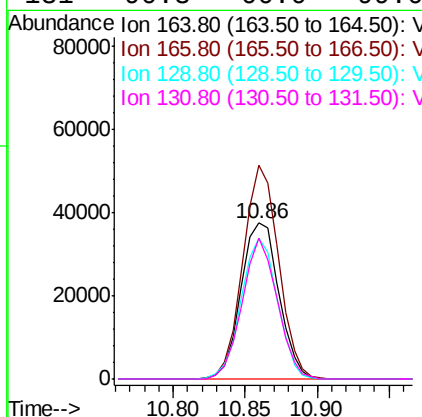
Manual Integrations
APPROVED

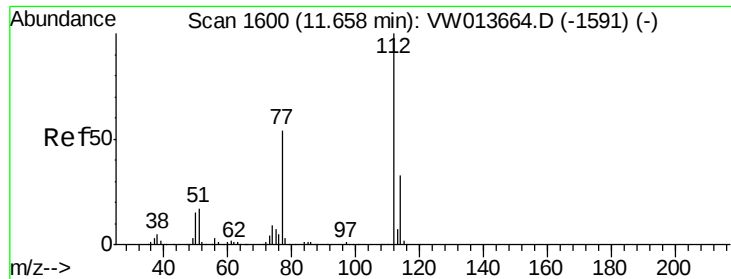
MMDadoda
11/15/2019 10:50:03 AM



#64
Tetrachloroethene
Concen: 21.314 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	136.9	103.2	154.8	
129	90.6	70.6	105.8	
131	90.3	66.0	99.0	





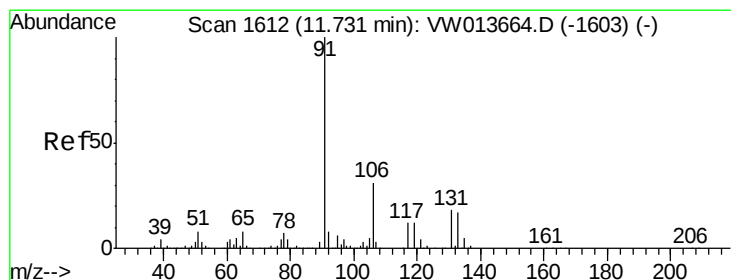
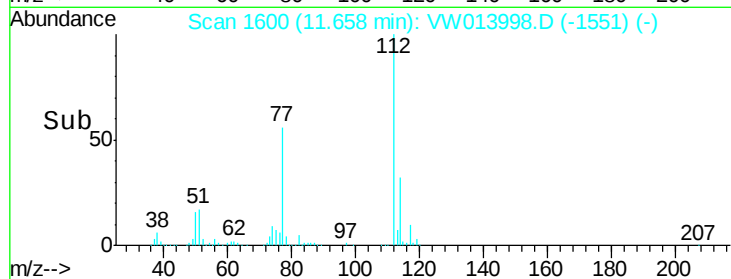
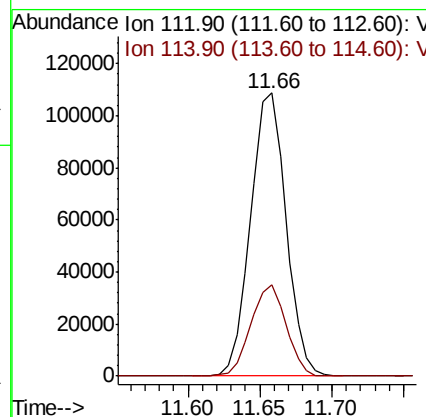
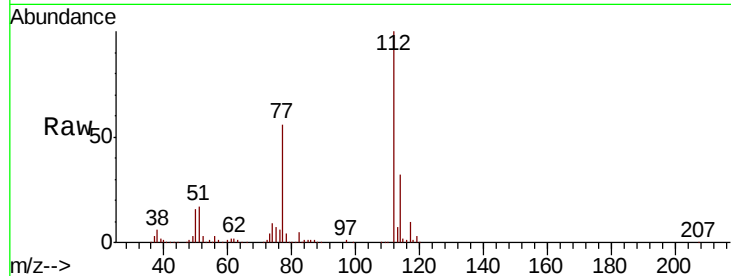
#65
Chlorobenzene
Concen: 21.513 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	26.2	39.4

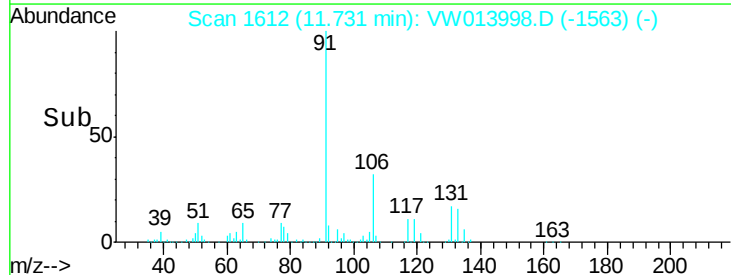
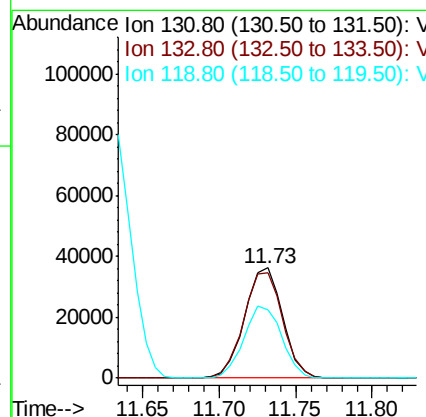
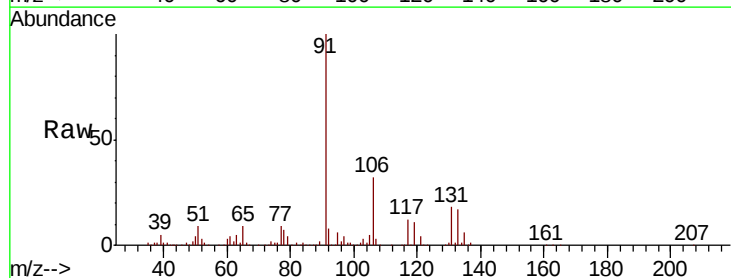
Manual Integrations
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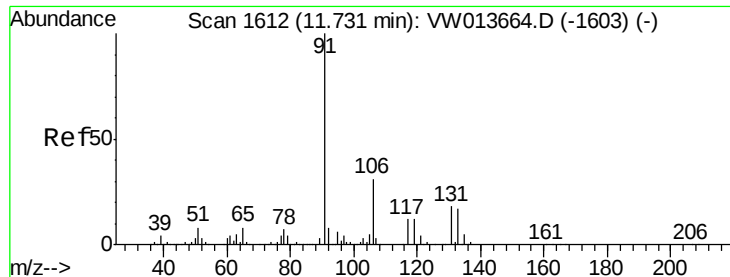
MMDadoda
11/15/2019 10:50:03 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.802 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.3	47.4	142.3
119	65.6	33.1	99.2





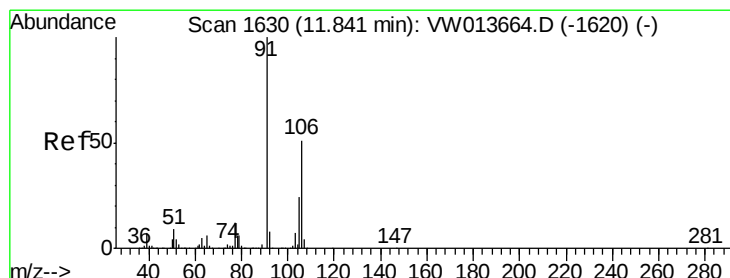
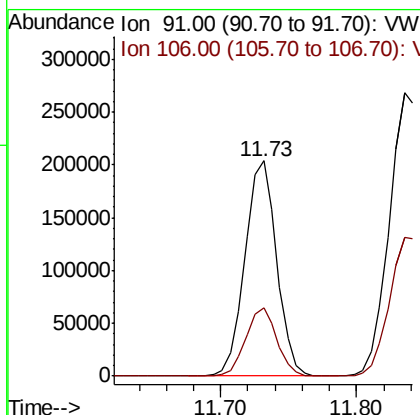
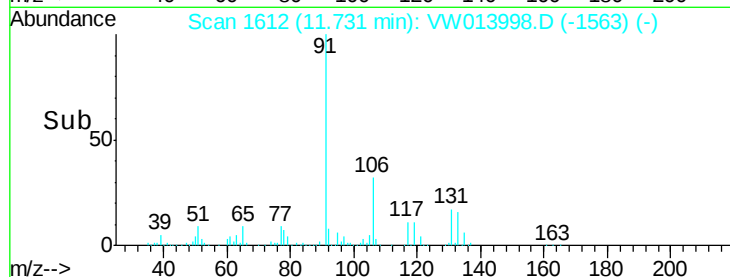
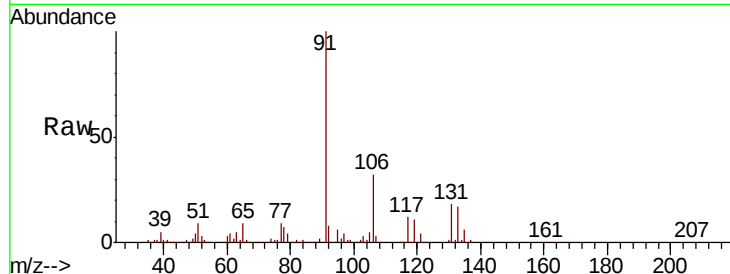
#67
Ethyl Benzene
Concen: 21.461 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion: 91 Resp: 332942
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.6

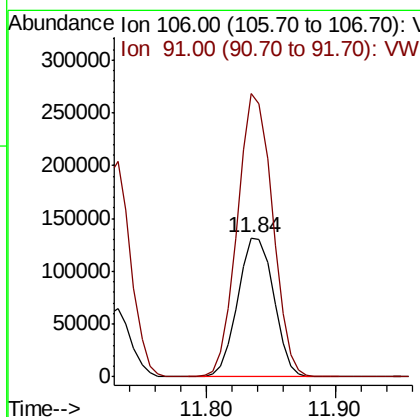
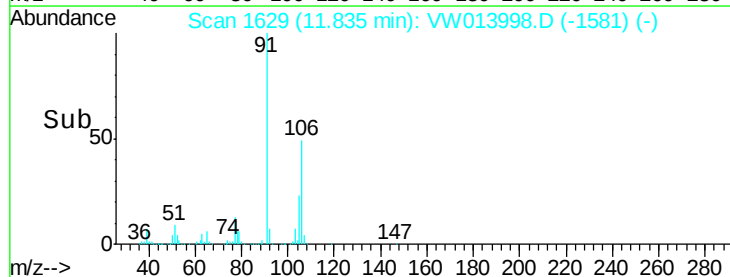
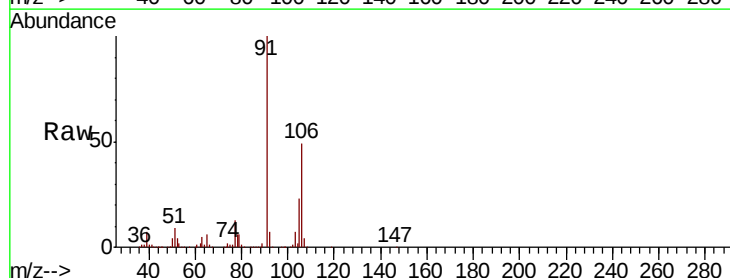
Manual Integrations
APPROVED

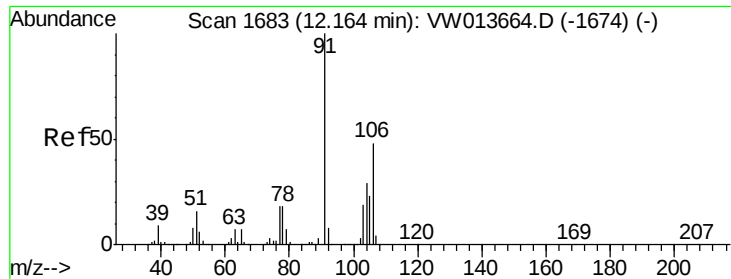
MMDadoda
11/15/2019 10:50:03 AM



#68
m/p-Xylenes
Concen: 42.661 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 106 Resp: 255701
Ion Ratio Lower Upper
106 100
91 198.8 159.2 238.8





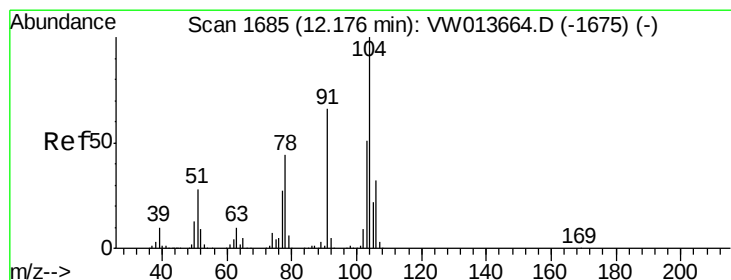
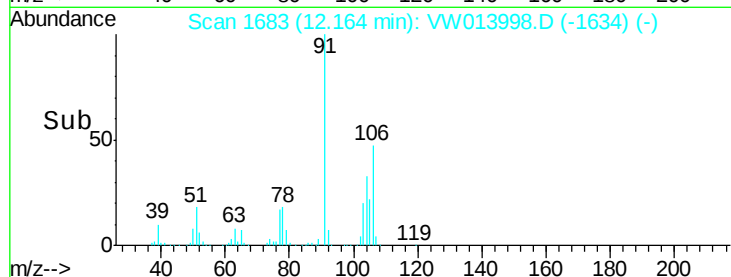
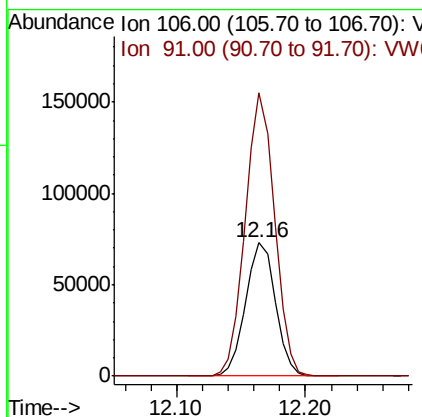
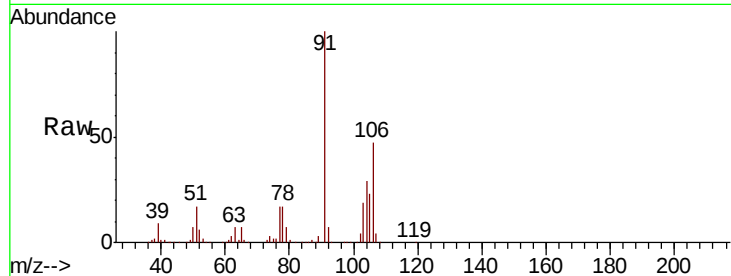
#69
o-Xylene
Concen: 21.210 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	104.9	314.7

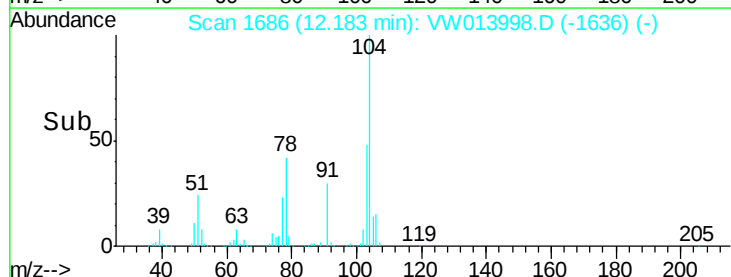
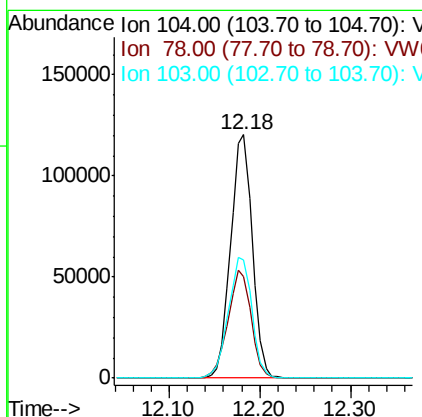
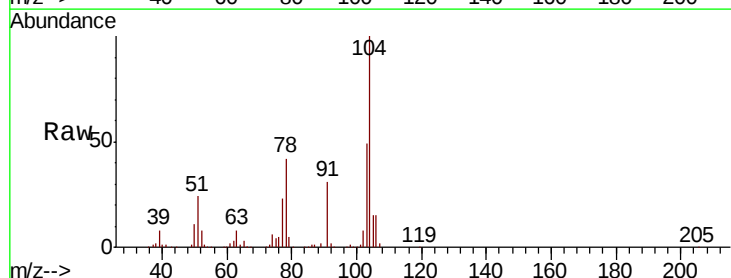
Manual Integrations
APPROVED

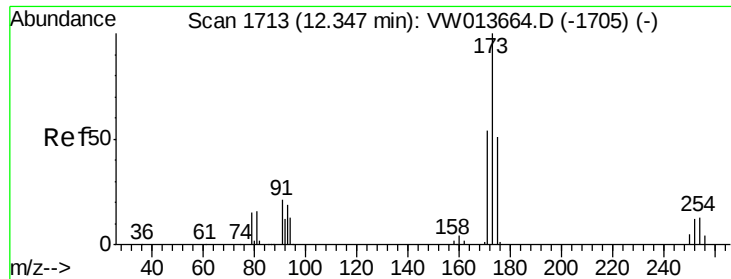
MMDadoda
11/15/2019 10:50:03 AM



#70
Styrene
Concen: 21.165 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.1	55.7
103	53.6	43.6	65.4





#71

Bromoform

Concen: 21.156 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion:173 Resp: 33337

Ion Ratio Lower Upper

173 100

175 48.4 25.2 75.6

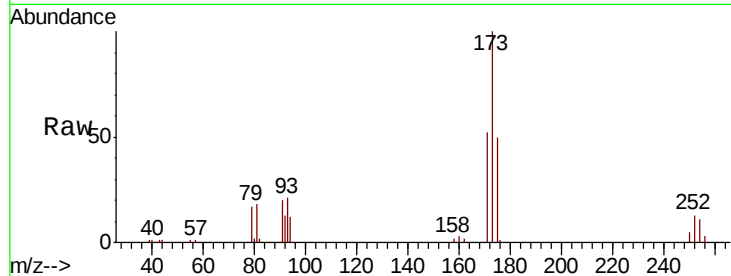
254 0.0 0.1 0.1#

Manual Integrations

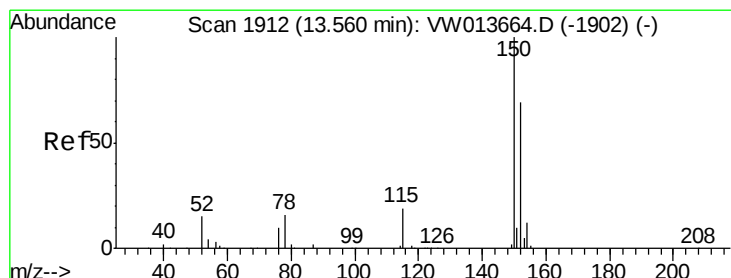
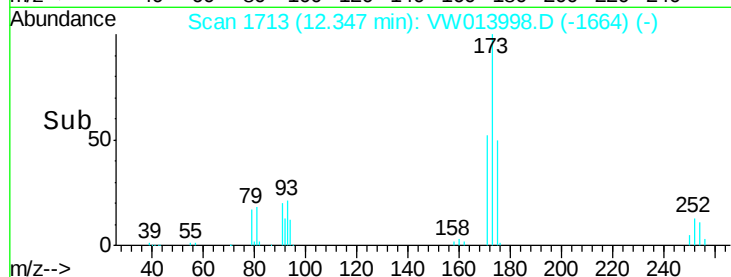
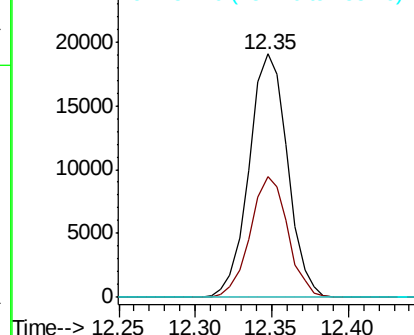
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

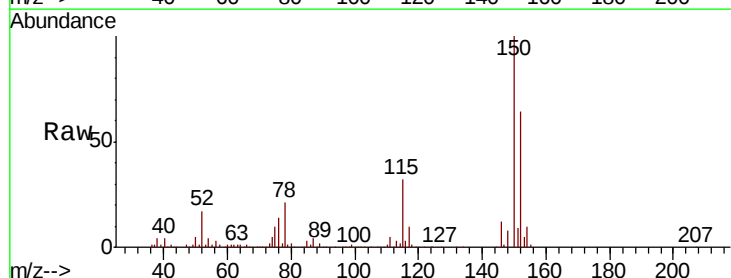
Tgt Ion:152 Resp: 212690

Ion Ratio Lower Upper

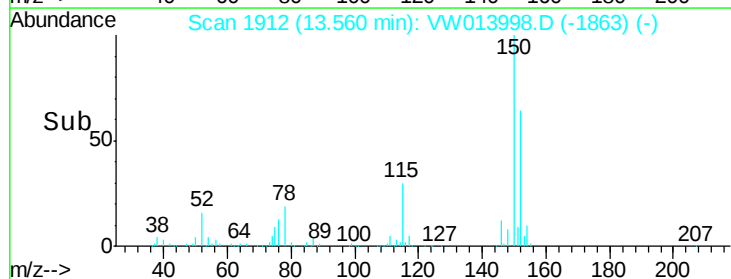
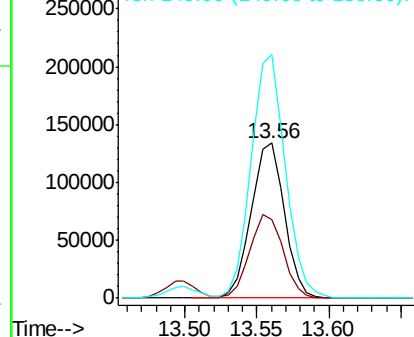
152 100

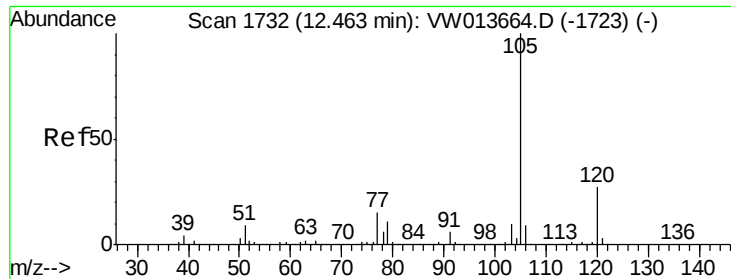
115 53.7 27.4 82.2

150 162.2 0.0 345.4



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





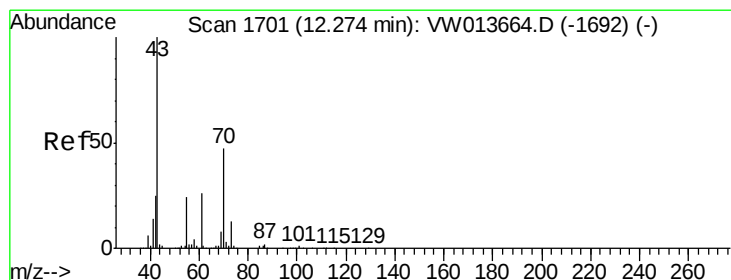
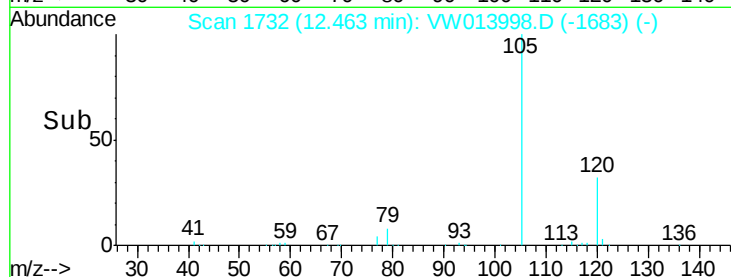
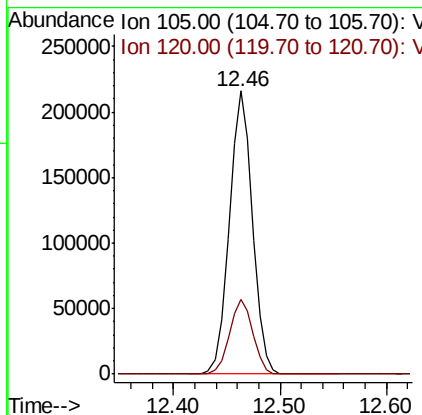
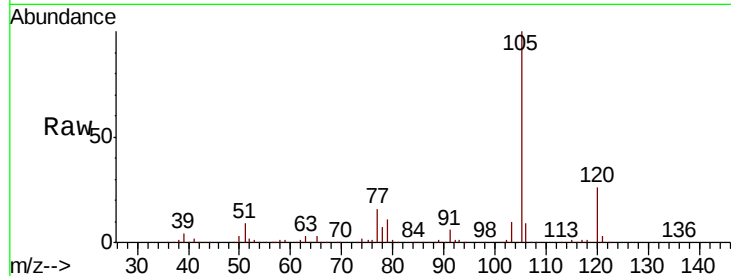
#73
Isopropylbenzene
Concen: 21.492 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion:105 Resp: 328269
Ion Ratio Lower Upper
105 100
120 26.7 13.5 40.4

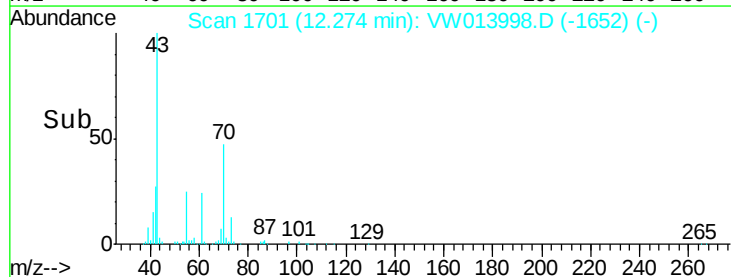
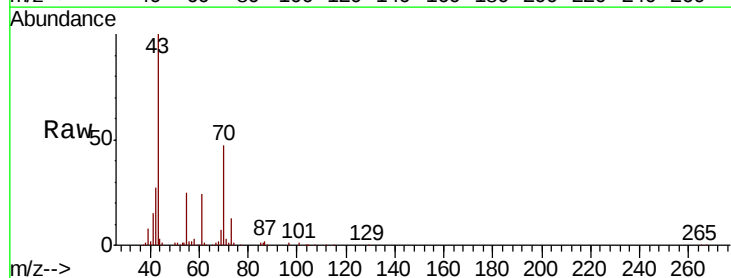
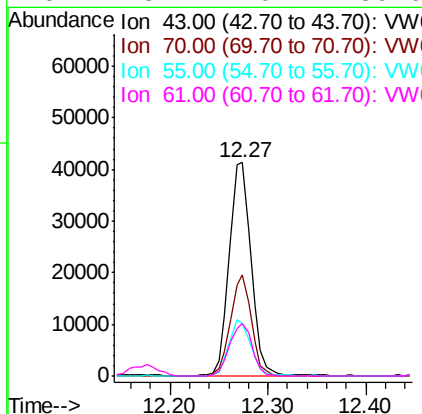
Manual Integrations
APPROVED

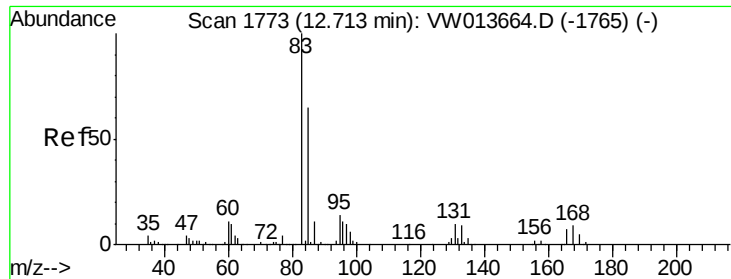
MMDadoda
11/15/2019 10:50:03 AM



#74
N-ethyl acetate
Concen: 21.904 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion: 43 Resp: 64719
Ion Ratio Lower Upper
43 100
70 45.6 36.6 55.0
55 26.3 20.3 30.5
61 25.2 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.220 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

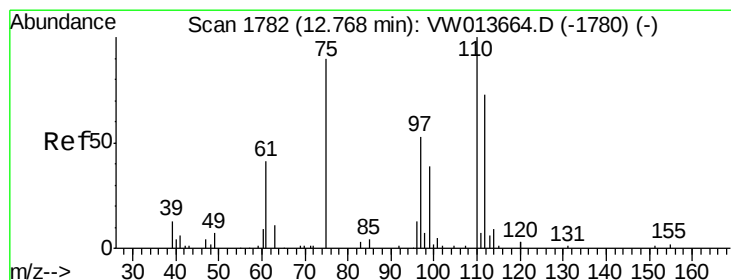
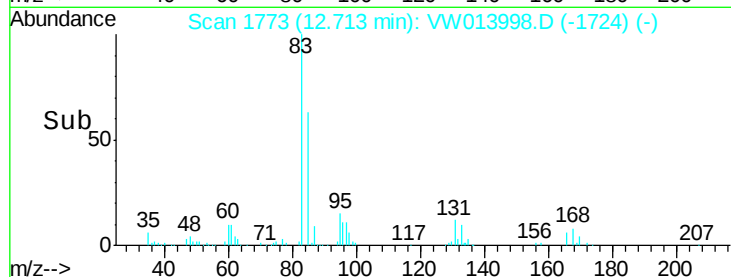
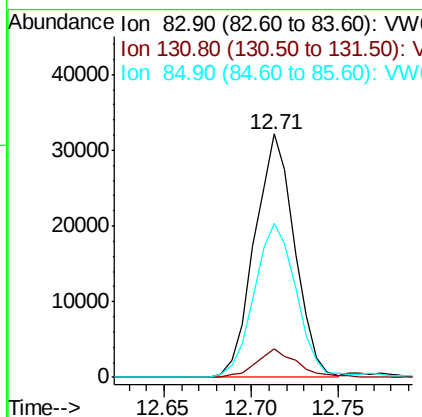
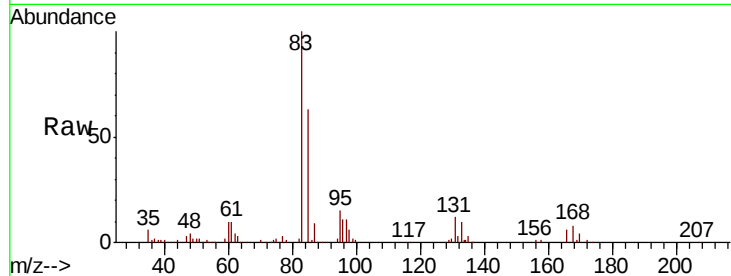
ClientSampleId :

VW1113SBS01

Tot Ion:	83	Resp:	51147
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.1
85	66.3	32.5	97.4

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#76

1,2,3-Trichloropropane

Concen: 22.071 ug/l m

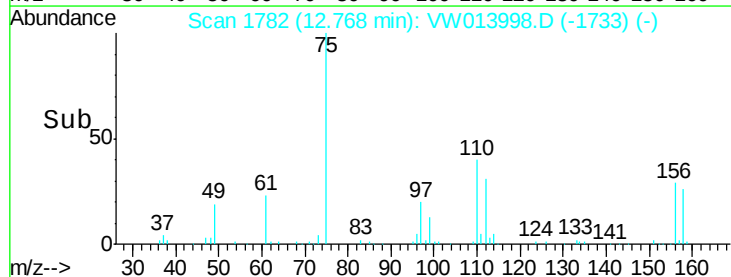
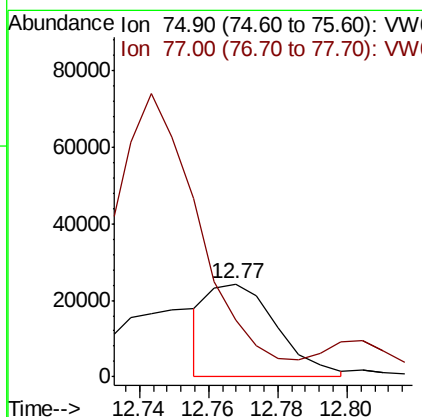
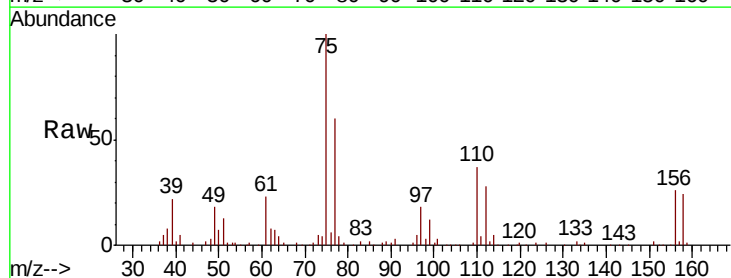
RT: 12.77 min Scan# 1782

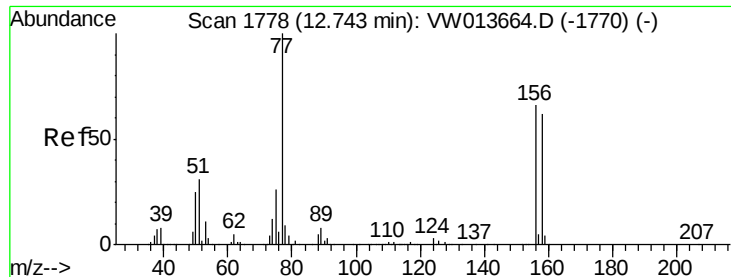
Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion:	75	Resp:	33712
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.233 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion:156 Resp: 77473

Ion Ratio Lower Upper

156 100

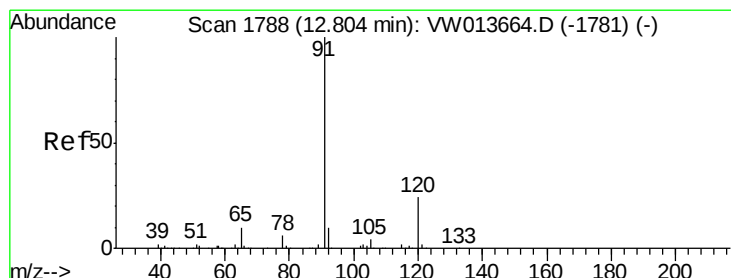
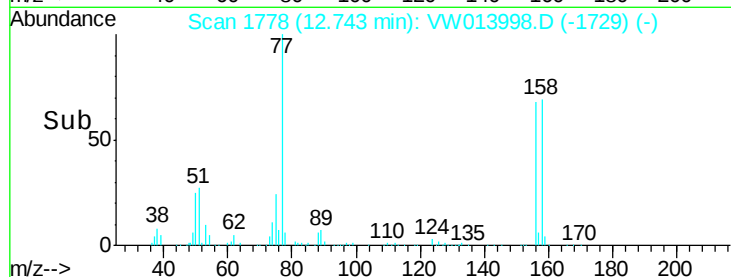
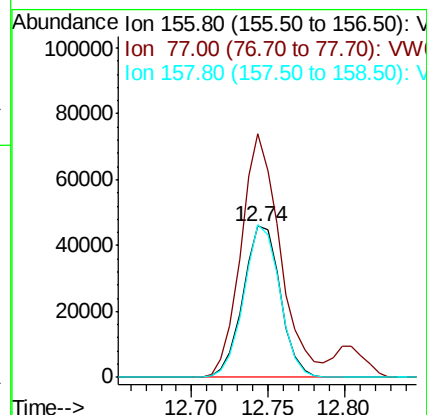
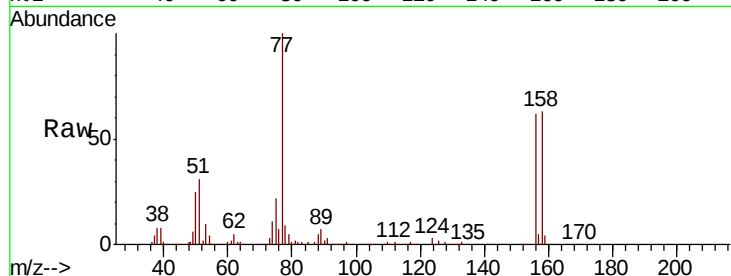
77 169.8 82.9 248.7

158 97.3 48.4 145.2

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#78

n-propylbenzene

Concen: 21.449 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW013998.D

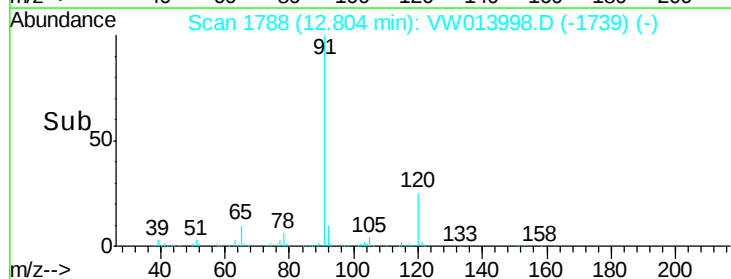
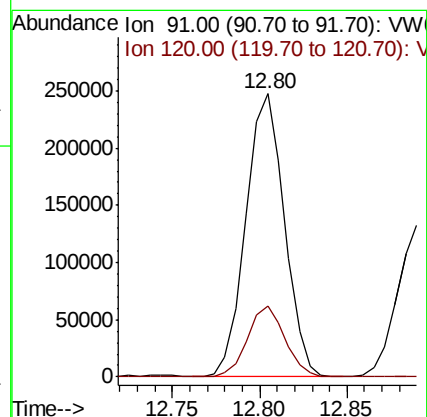
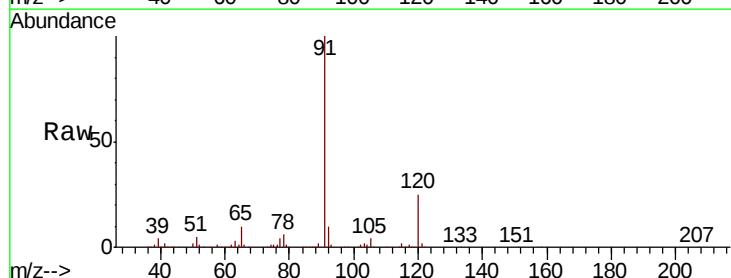
Acq: 13 Nov 2019 11:29

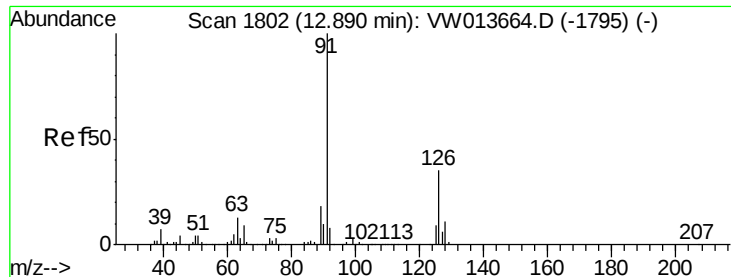
Tgt Ion: 91 Resp: 379192

Ion Ratio Lower Upper

91 100

120 24.2 12.0 36.0





#79

2-Chlorotoluene

Concen: 21.147 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Instrument :

MSVOA_W

ClientSampleId :

VW1113SBS01

Tot Ion: 91 Resp: 210088

Ion Ratio Lower Upper

91 100

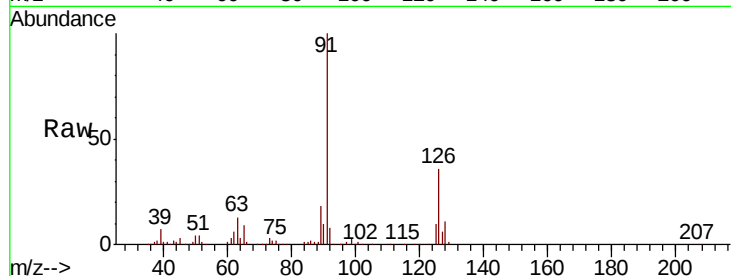
126 35.3 17.4 52.2

Manual Integrations

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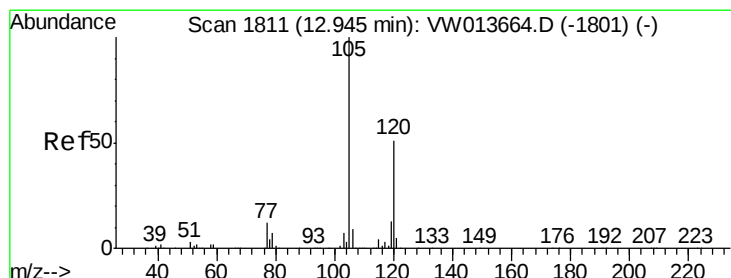
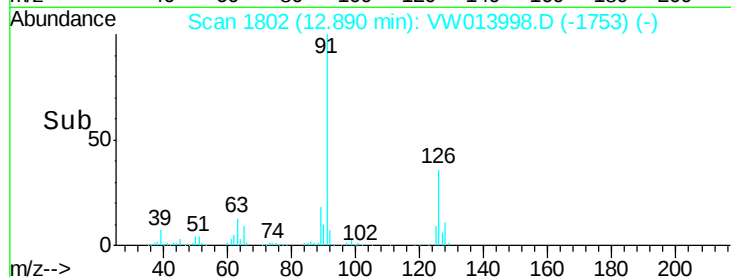
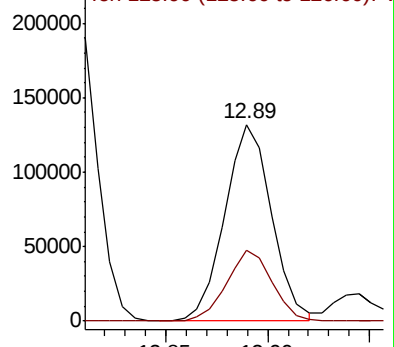
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.566 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013998.D

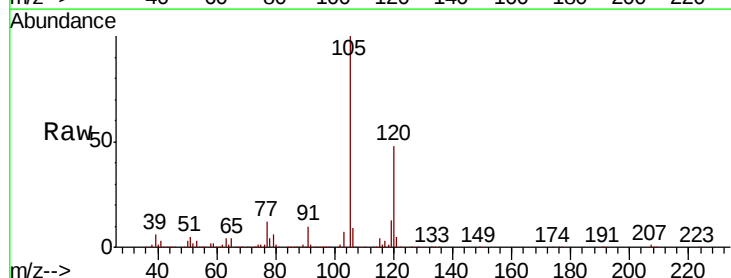
Acq: 13 Nov 2019 11:29

Tgt Ion: 105 Resp: 278068

Ion Ratio Lower Upper

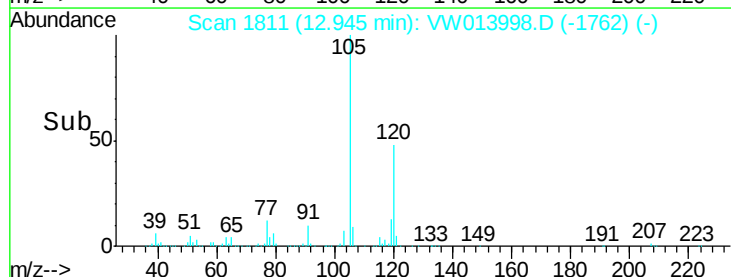
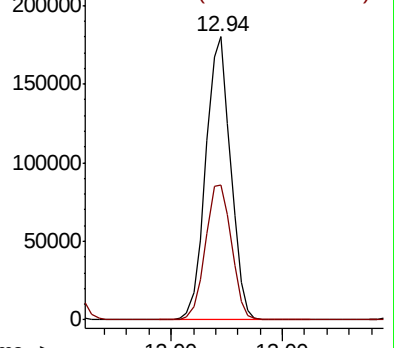
105 100

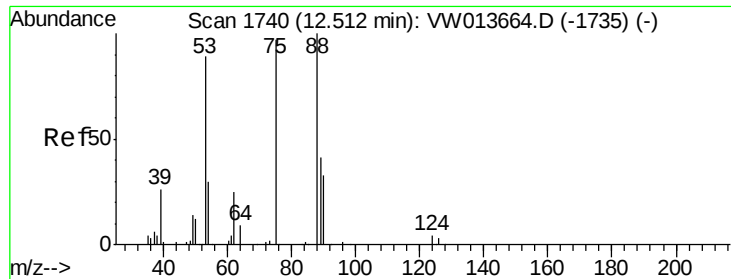
120 50.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





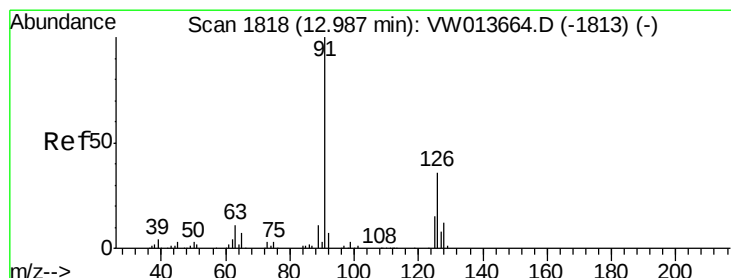
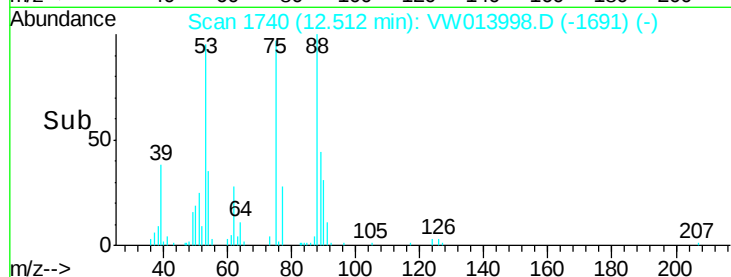
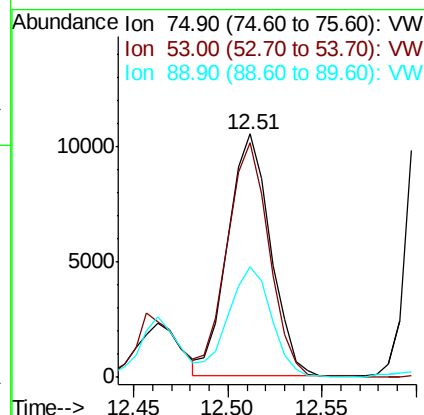
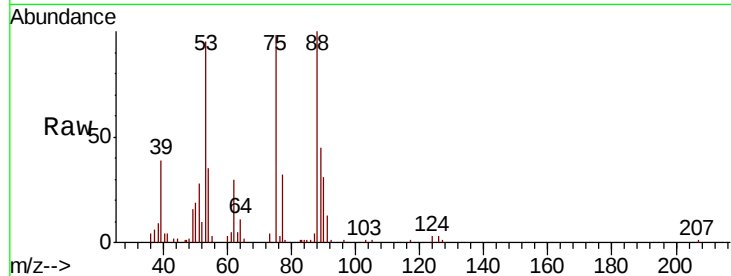
#81
trans-1,4-Dichloro-2-butene
Concen: 20.253 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	71.7	107.5
89	47.2	35.8	53.8

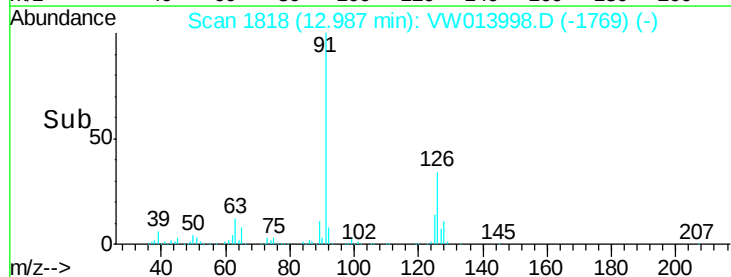
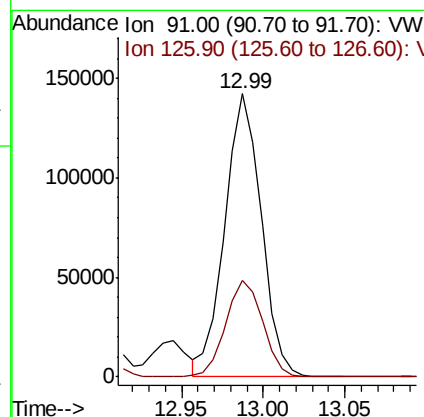
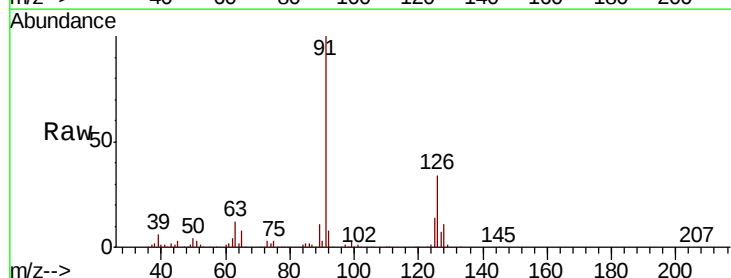
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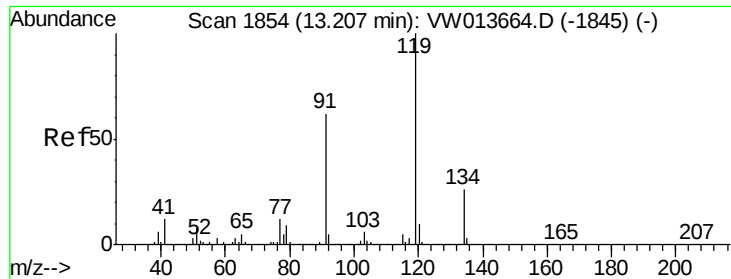
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#82
4-Chlorotoluene
Concen: 21.193 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.5





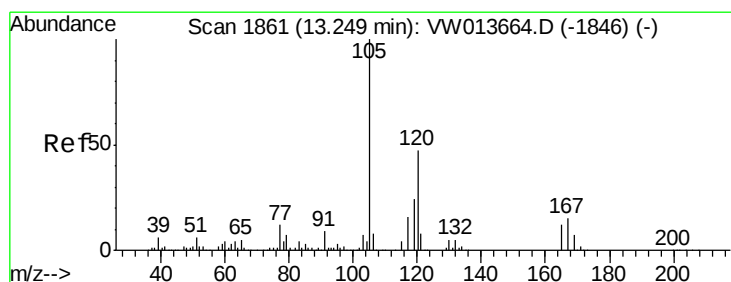
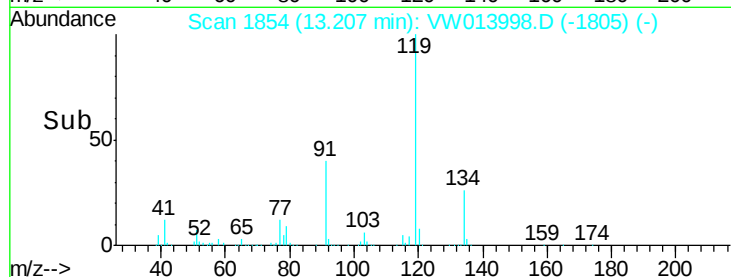
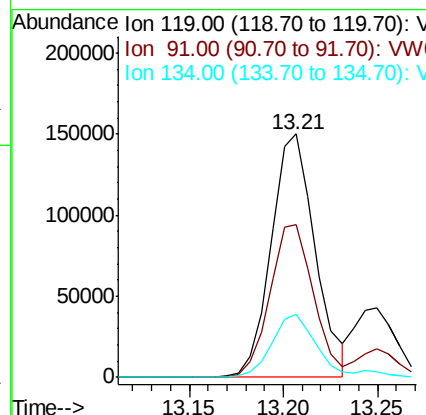
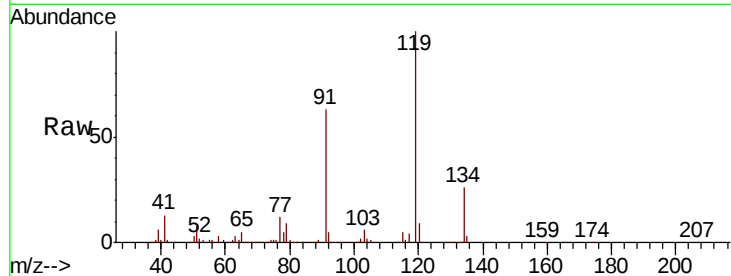
#83
tert-Butylbenzene
Concen: 21.192 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.4	91.3
134	25.9	13.6	40.8

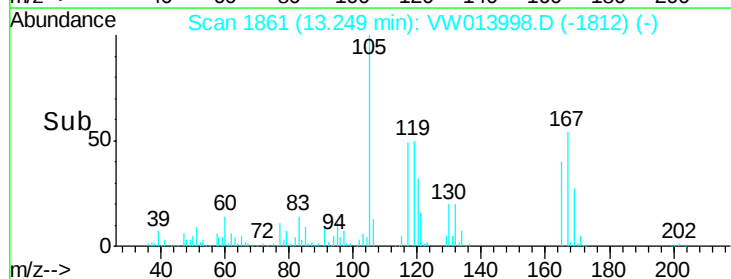
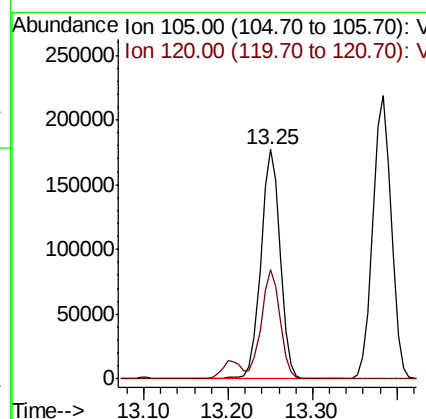
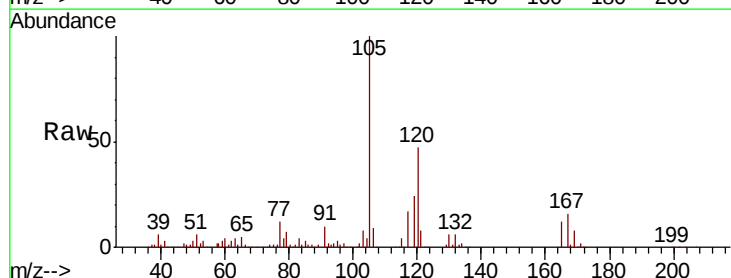
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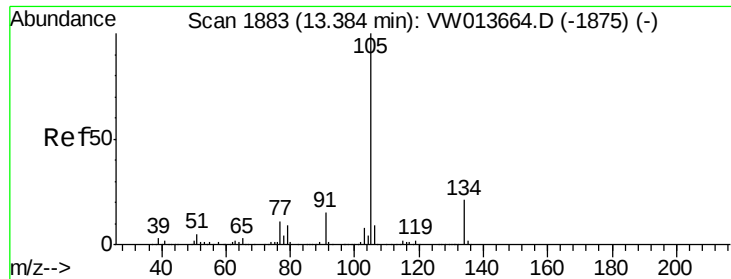
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#84
1,2,4-Trimethylbenzene
Concen: 21.720 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.5	70.5





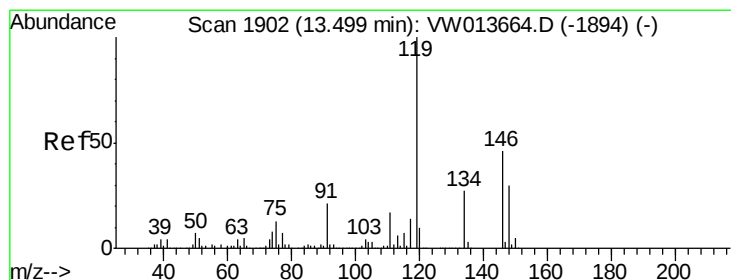
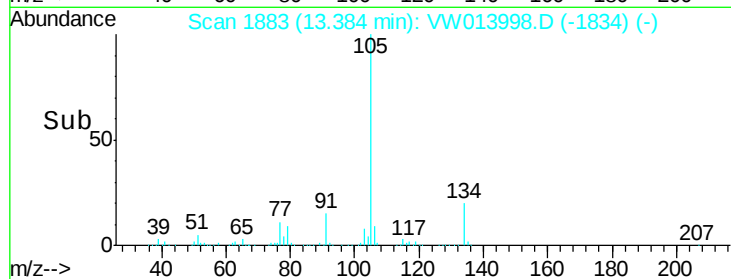
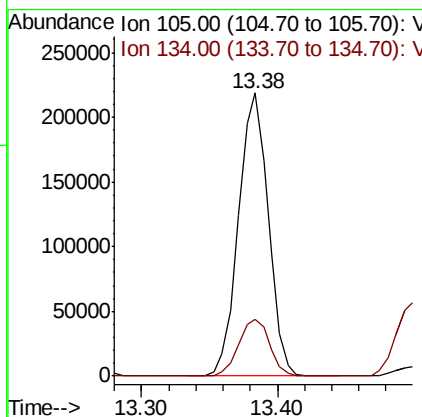
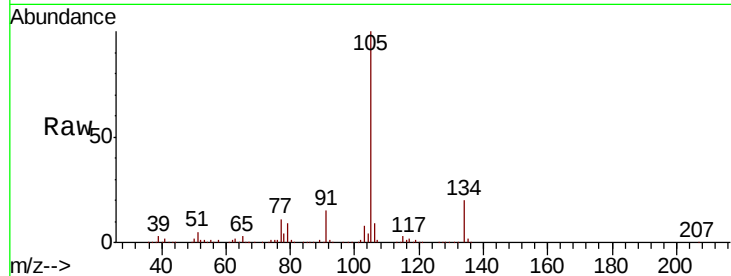
#85
 sec-Butylbenzene
 Concen: 21.388 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

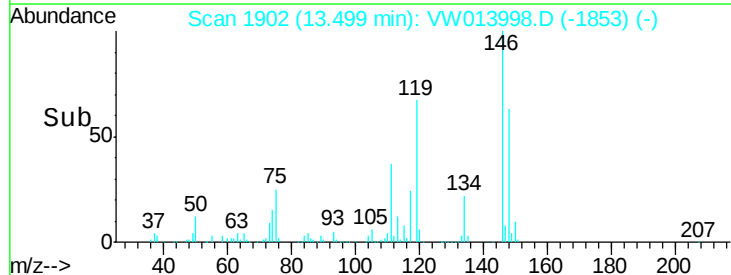
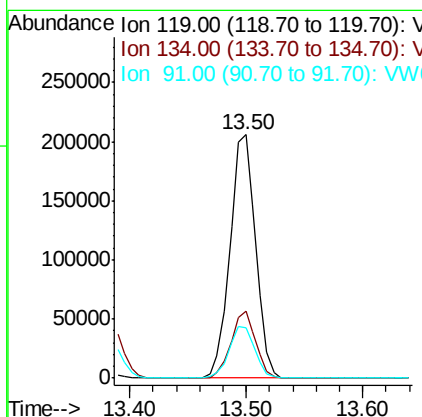
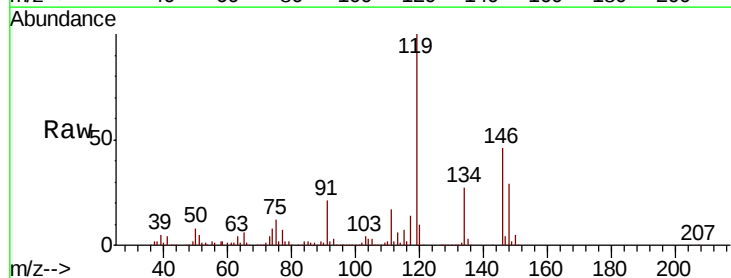
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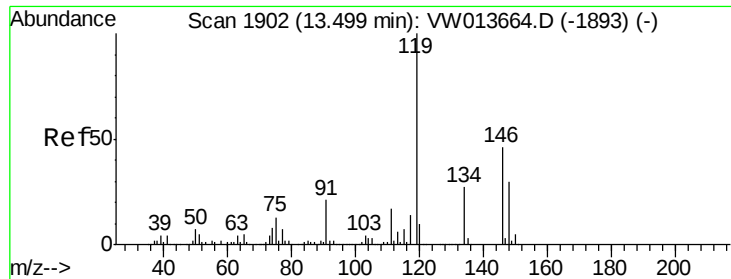
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 11/15/2019 10:50:03 AM



#86
 p-Isopropyltoluene
 Concen: 21.455 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	21.6	10.8	32.3





#87

1,3-Dichlorobenzene

Concen: 21.306 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

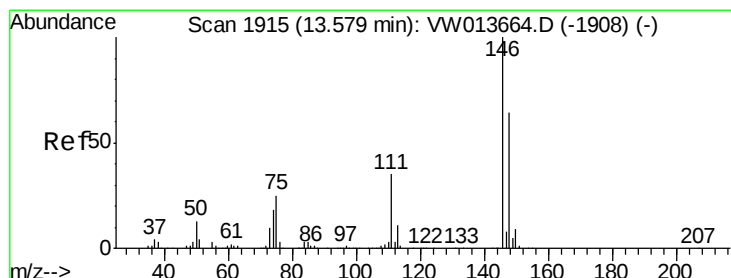
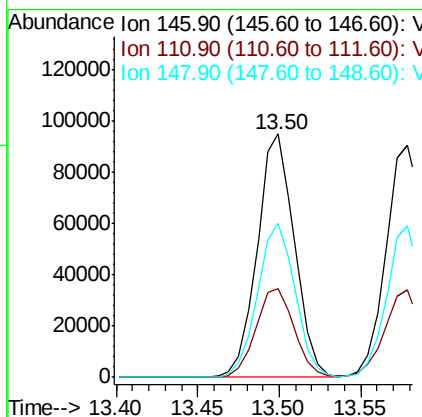
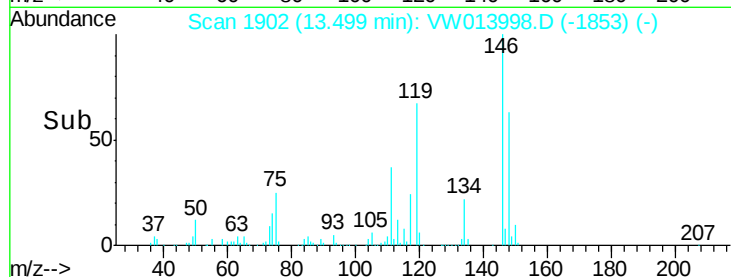
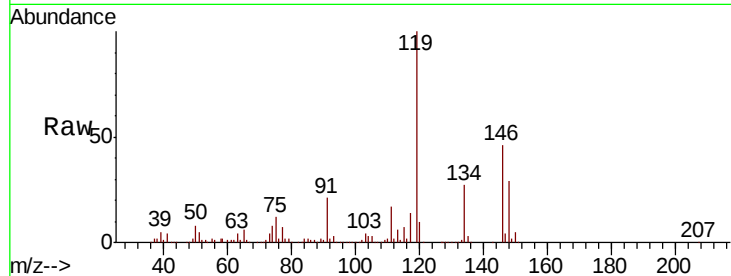
Instrument :
MSVOA_W

ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	56.0
148	63.8	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 21.246 ug/l

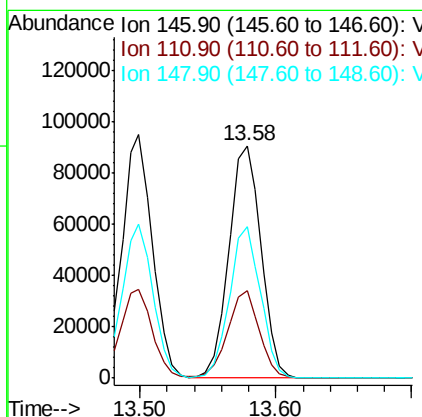
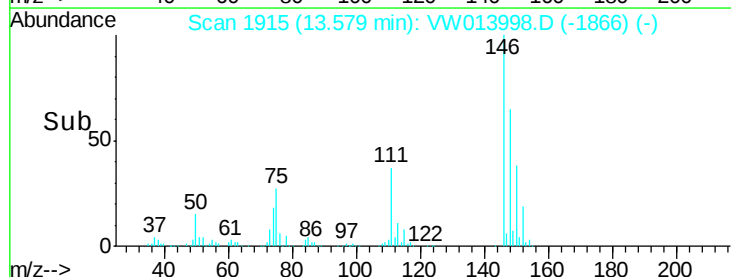
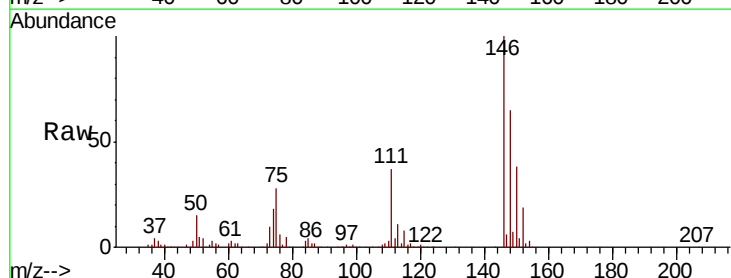
RT: 13.58 min Scan# 1915

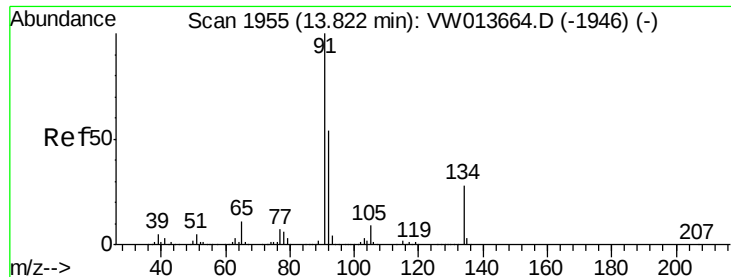
Delta R.T. 0.00 min

Lab File: VW013998.D

Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.1	54.3
148	63.0	32.0	96.2





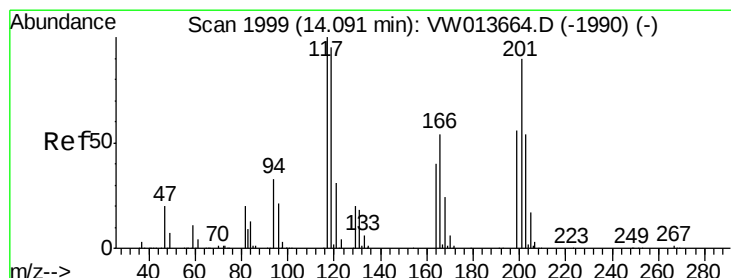
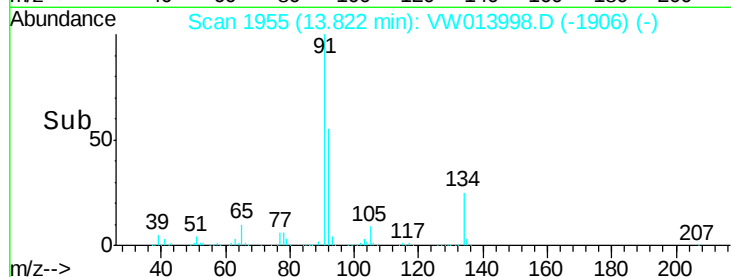
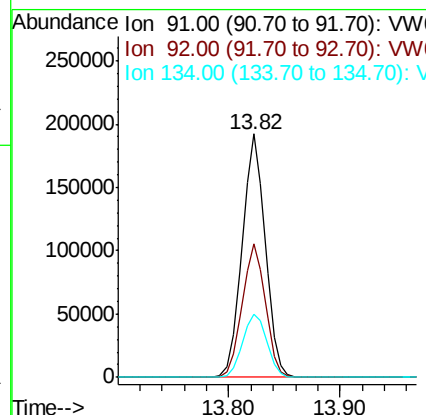
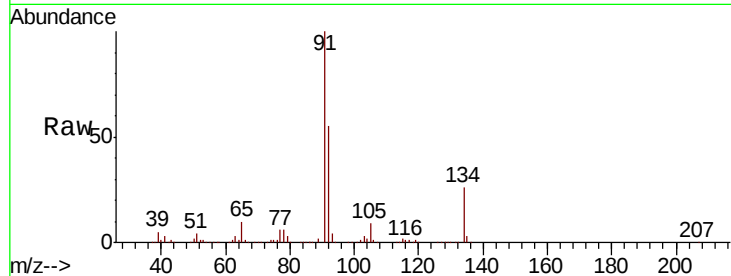
#89
n-Butylbenzene
Concen: 20.963 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.4
134	27.4	14.0	41.9

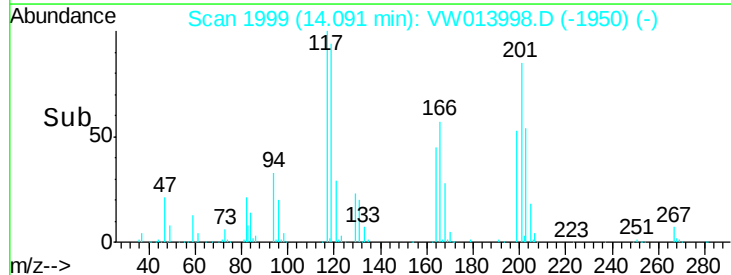
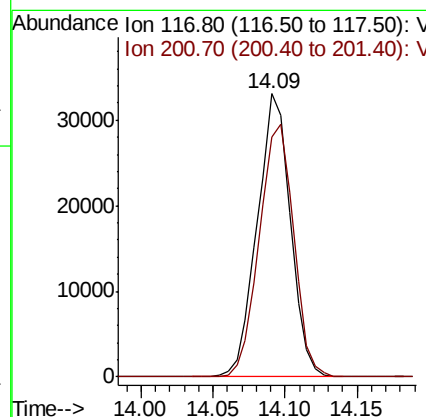
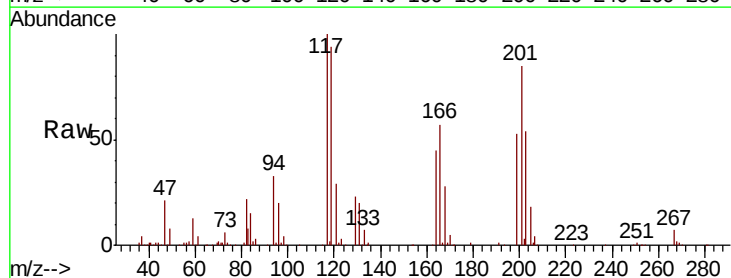
Manual Integrations
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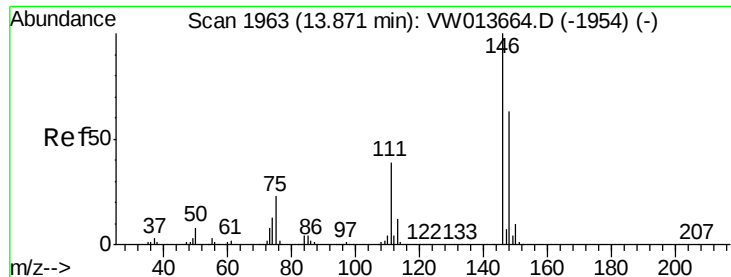
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#90
Hexachloroethane
Concen: 20.775 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.2	46.1	138.2





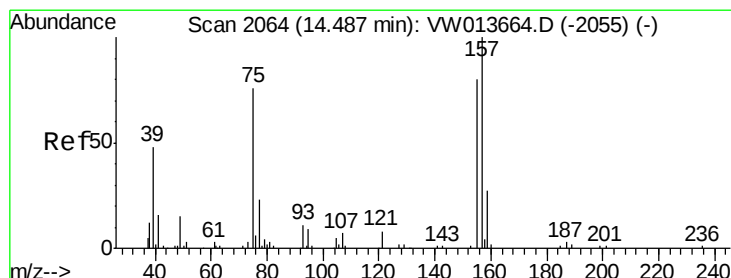
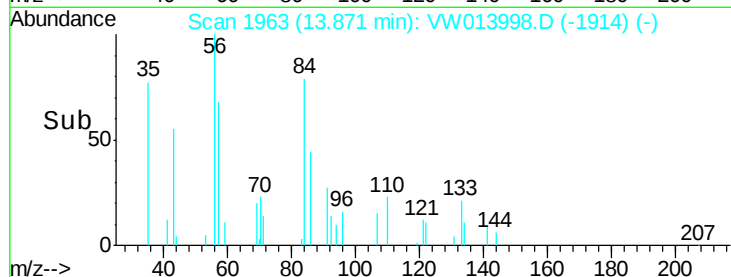
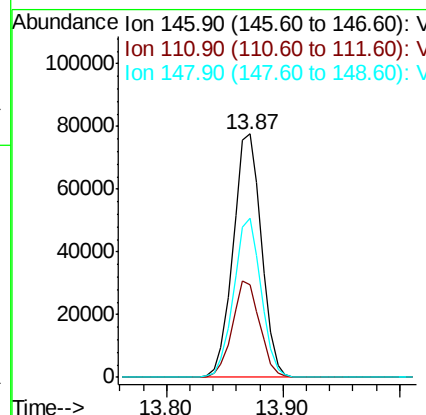
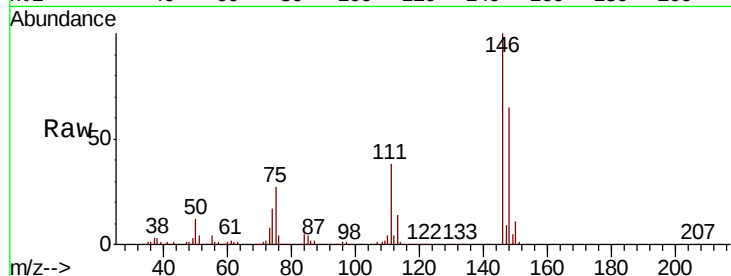
#91
 1,2-Dichlorobenzene
 Concen: 21.370 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.9	59.6
148	63.3	31.9	95.9

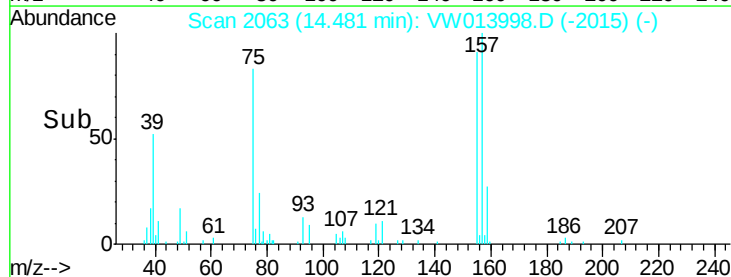
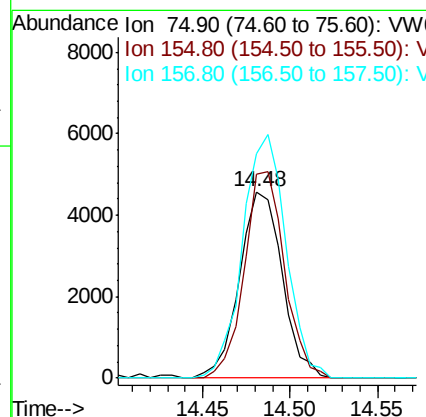
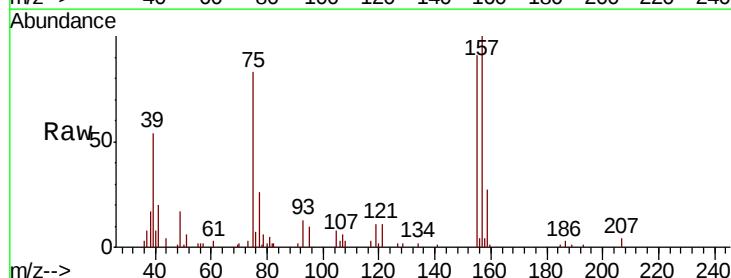
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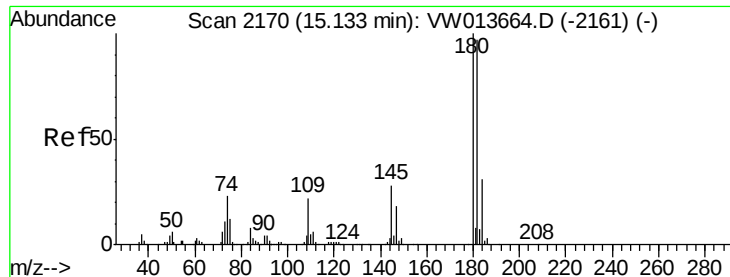
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.412 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.0	51.9	155.7
157	132.6	64.8	194.3





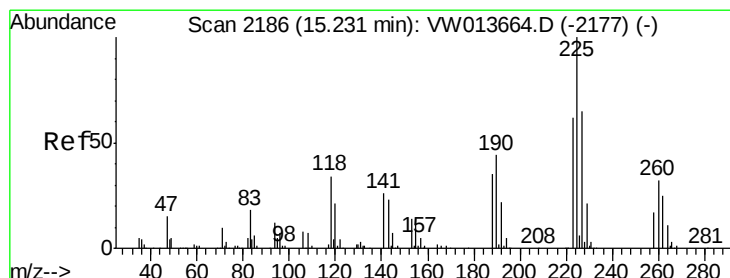
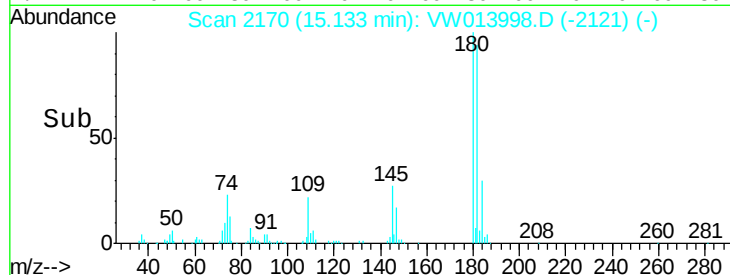
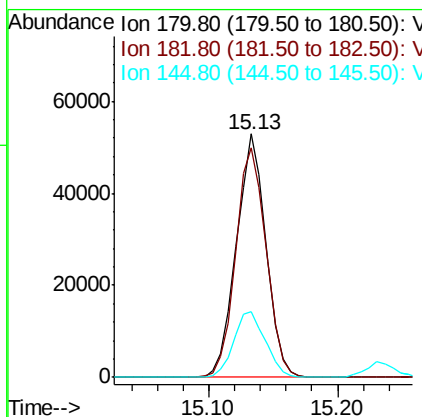
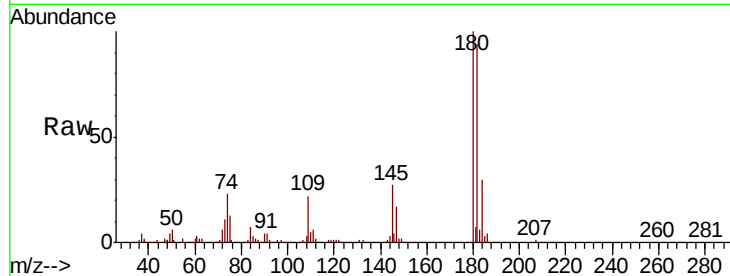
#93
 1,2,4-Trichlorobenzene
 Concen: 18.854 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1113SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	84106		
182	96.8	47.4	142.2	
145	28.9	14.1	42.3	

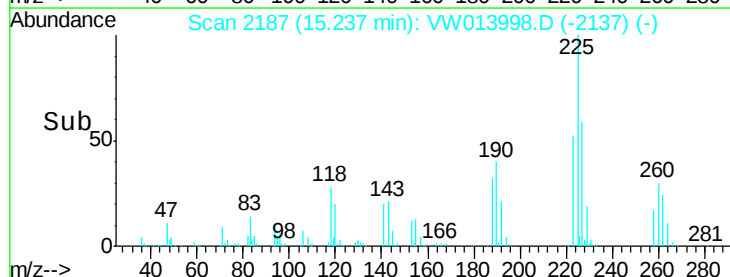
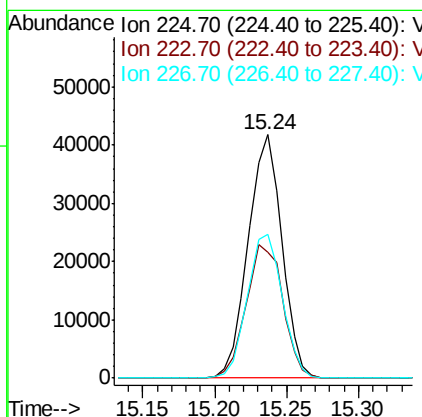
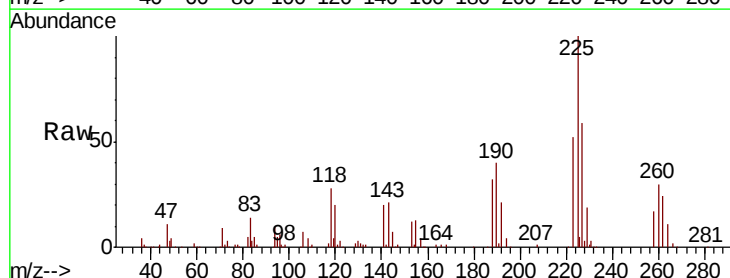
Manual Integrations
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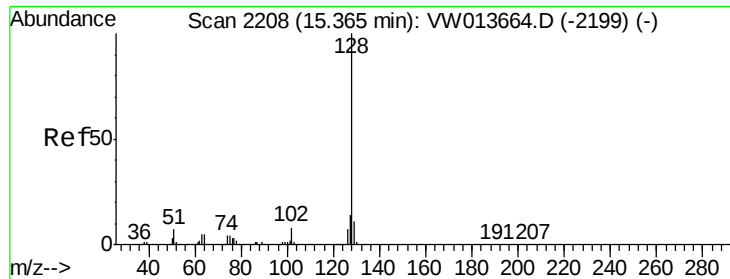
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#94
 Hexachlorobutadiene
 Concen: 22.488 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013998.D
 Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	67724		
223	59.6	31.9	95.9	
227	61.3	32.5	97.4	





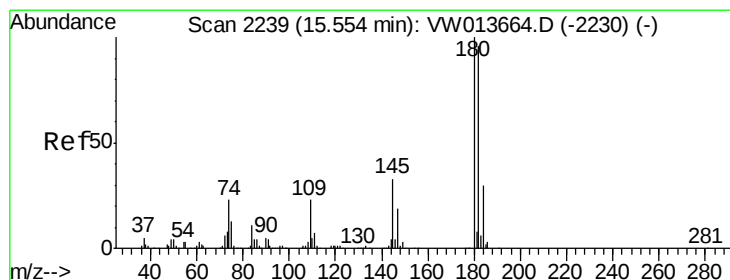
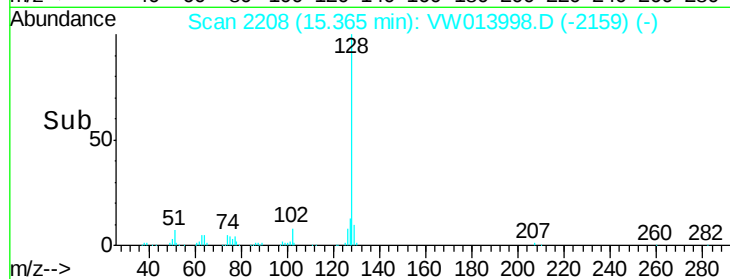
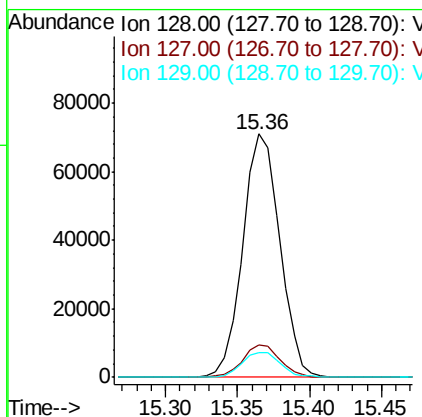
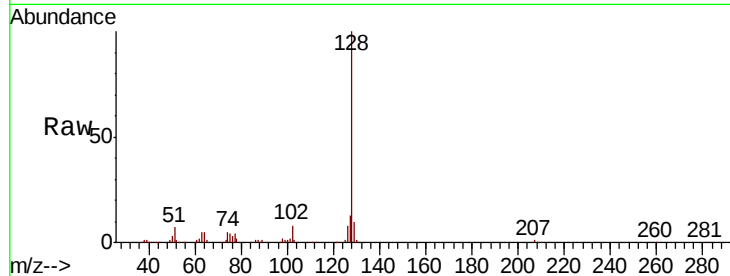
#95
Naphthalene
Concen: 18.083 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Instrument :
MSVOA_W
ClientSampleId :
VW1113SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	10.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.708 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW013998.D
Acq: 13 Nov 2019 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.1	47.4	142.3
145	30.0	14.9	44.9

