

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009151.D
 Acq On : 13 Mar 2019 12:15
 Operator : SY/VA
 Sample : VW0312SBSD03
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD03

Manual Integrations
 APPROVED

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 3/14/2019 3:13:08 PM

Quant Time: Mar 13 13:44:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 05:22:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	292502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429277	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	410887	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	222486	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	130523	44.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.70%	
35) Dibromofluoromethane	7.88	113	110936	42.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.84%	
50) Toluene-d8	10.32	98	456088	42.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.92%	
62) 4-Bromofluorobenzene	12.62	95	174658	41.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	62355	21.153	ug/l	97
3) Chloromethane	2.21	50	74642	19.932	ug/l	98
4) Vinyl Chloride	2.35	62	74880	19.703	ug/l	99
5) Bromomethane	2.76	94	91807	28.618	ug/l	100
6) Chloroethane	2.91	64	55140	20.381	ug/l	96
7) Trichlorofluoromethane	3.25	101	104367	21.329	ug/l	97
8) Diethyl Ether	3.68	74	31307	20.925	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62314	20.447	ug/l	99
10) Methyl Iodide	4.27	142	26838	10.788	ug/l	98
11) Tert butyl alcohol	5.20	59	18999	84.248	ug/l	96
12) 1,1-Dichloroethene	4.03	96	52205	19.859	ug/l	96
13) Acrolein	3.90	56	22354	90.081	ug/l	99
14) Allyl chloride	4.67	41	94999	20.487	ug/l	96
15) Acrylonitrile	5.37	53	67260	103.000	ug/l	99
16) Acetone	4.14	43	66352	99.916	ug/l	98
17) Carbon Disulfide	4.37	76	173644	19.632	ug/l	98
18) Methyl Acetate	4.67	43	29534	19.340	ug/l	95
19) Methyl tert-butyl Ether	5.42	73	150545	21.649	ug/l	97
20) Methylene Chloride	4.92	84	68982	18.683	ug/l	92
21) trans-1,2-Dichloroethene	5.42	96	62563	20.611	ug/l	94
22) Diisopropyl ether	6.31	45	198823	21.576	ug/l	96
23) Vinyl Acetate	6.26	43	611659	106.663	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109825	20.547	ug/l	97
25) 2-Butanone	7.18	43	92010	100.254	ug/l	99
26) 2,2-Dichloropropane	7.17	77	98265	20.226	ug/l	100
27) cis-1,2-Dichloroethene	7.17	96	65751	20.169	ug/l	98
28) Bromochloromethane	7.51	49	45629	20.524	ug/l	98
29) Tetrahydrofuran	7.53	42	56802	98.213	ug/l	98
30) Chloroform	7.68	83	117251	21.307	ug/l	98
31) Cyclohexane	7.95	56	114897	20.935	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	106332	20.938	ug/l	99
36) 1,1-Dichloropropene	8.08	75	92003	20.497	ug/l	99
37) Ethyl Acetate	7.25	43	41622	19.742	ug/l	96
38) Carbon Tetrachloride	8.06	117	95256	20.549	ug/l	95

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	108010	20.203	ug/l	97
40) Benzene	8.32	78	246590	20.580	ug/l	98
41) Methacrylonitrile	7.48	41	19844	16.949	ug/l #	92
42) 1,2-Dichloroethane	8.40	62	78742	20.356	ug/l	99
43) Isopropyl Acetate	8.42	43	81465	20.746	ug/l	98
44) Trichloroethene	9.09	130	68642	20.440	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61740	20.573	ug/l	98
46) Dibromomethane	9.46	93	33600	20.501	ug/l	99
47) Bromodichloromethane	9.64	83	86018	20.733	ug/l	96
48) Methyl methacrylate	9.43	41	36624	20.030	ug/l	90
49) 1,4-Dioxane	9.46	88	8434	359.360	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	207421	104.050	ug/l	99
52) Toluene	10.39	92	161810	19.912	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	84911	20.693	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	97218	20.617	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	47706	21.476	ug/l	97
56) Ethyl methacrylate	10.65	69	55408	20.098	ug/l	97
57) 1,3-Dichloropropane	10.93	76	81628	20.743	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	150319	105.175	ug/l	99
59) 2-Hexanone	10.97	43	142950	101.992	ug/l	99
60) Dibromochloromethane	11.13	129	55537	20.202	ug/l	97
61) 1,2-Dibromoethane	11.23	107	43883	20.151	ug/l	97
64) Tetrachloroethene	10.86	164	60541	20.431	ug/l	96
65) Chlorobenzene	11.66	112	179542	20.075	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61475	20.586	ug/l	99
67) Ethyl Benzene	11.73	91	323556	20.026	ug/l	99
68) m/p-Xylenes	11.84	106	253143	39.694	ug/l	99
69) o-Xylene	12.16	106	117660	19.829	ug/l	99
70) Styrene	12.18	104	190839	19.878	ug/l	100
71) Bromoform	12.35	173	32206	20.086	ug/l #	99
73) Isopropylbenzene	12.46	105	321974	20.209	ug/l	100
74) N-amyl acetate	12.27	43	78712	20.869	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	56296	22.400	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	37946m	21.587	ug/l	
77) Bromobenzene	12.75	156	74448	20.451	ug/l	99
78) n-propylbenzene	12.80	91	399985	20.382	ug/l	100
79) 2-Chlorotoluene	12.89	91	228090	20.686	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	270000	19.660	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16058	20.433	ug/l	97
82) 4-Chlorotoluene	12.99	91	234838	19.980	ug/l	97
83) tert-Butylbenzene	13.21	119	238085	20.555	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	273967	19.720	ug/l	100
85) sec-Butylbenzene	13.38	105	346093	20.167	ug/l	99
86) p-Isopropyltoluene	13.50	119	302019	19.673	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152555	19.940	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	148446	19.634	ug/l	97
89) n-Butylbenzene	13.83	91	279852	19.175	ug/l	99
90) Hexachloroethane	14.10	117	54436	20.560	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	135212	20.031	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9200	20.553	ug/l	97

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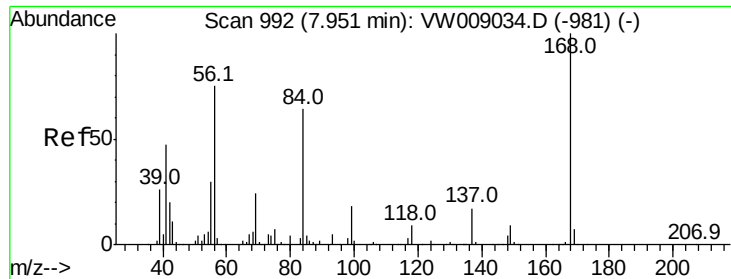
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86446	18.963	ug/l	98
94) Hexachlorobutadiene	15.24	225	56666	19.846	ug/l	99
95) Naphthalene	15.37	128	139216	18.656	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	76987	19.206	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion:168 Resp: 292502

Ion Ratio Lower Upper

168 100

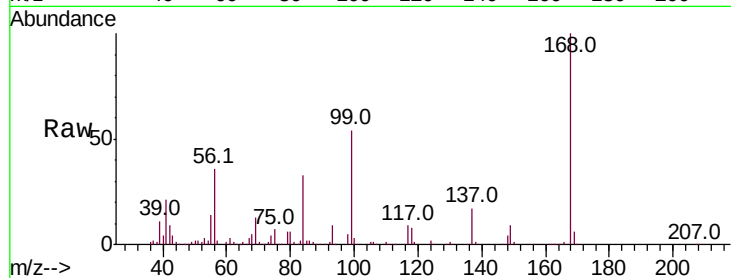
99 54.0 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

150000

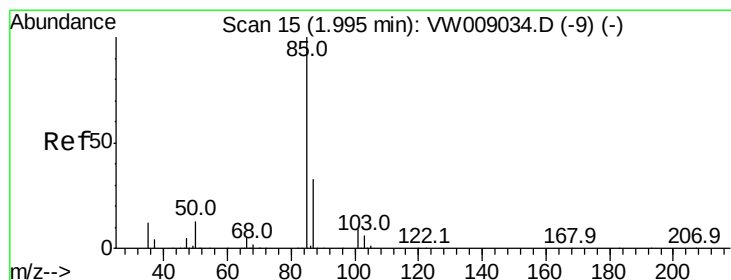
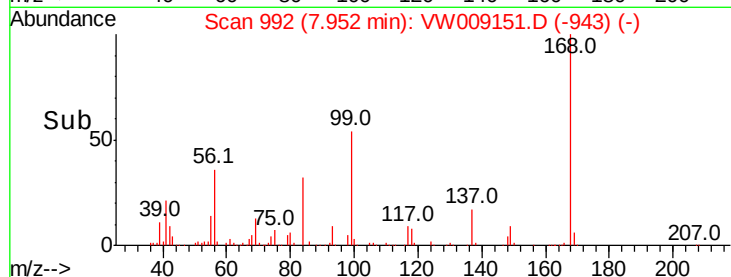
7.95

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: 21.153 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009151.D

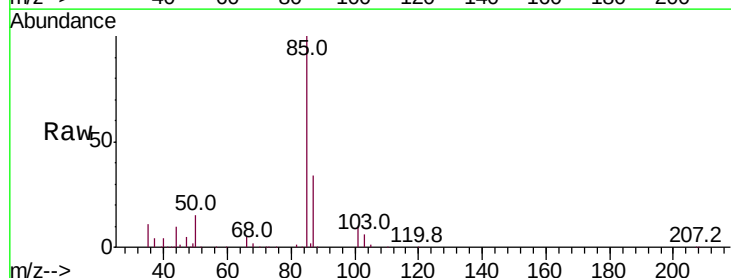
Acq: 13 Mar 2019 12:15

Tgt Ion: 85 Resp: 62355

Ion Ratio Lower Upper

85 100

87 34.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

40000

2.00

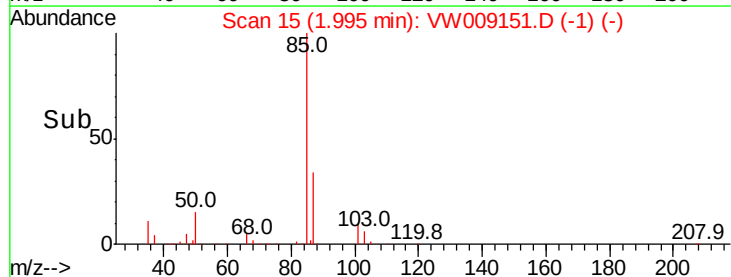
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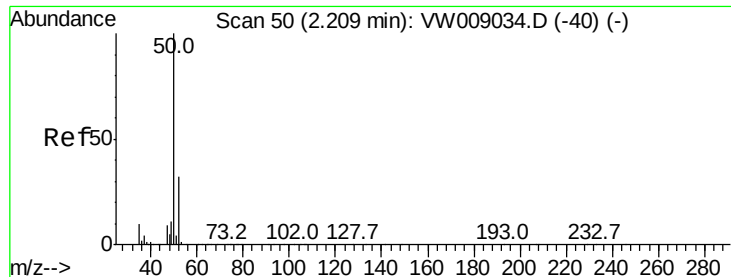
20000

10000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 19.932 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 50 Resp: 74642

Ion Ratio Lower Upper

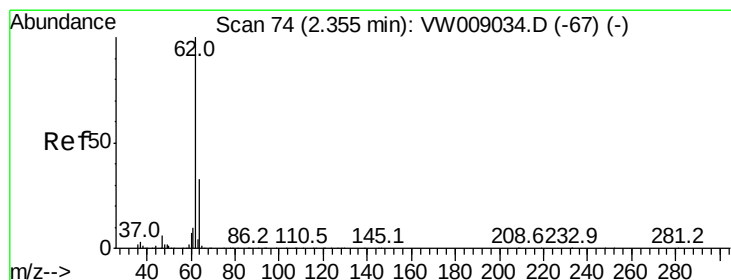
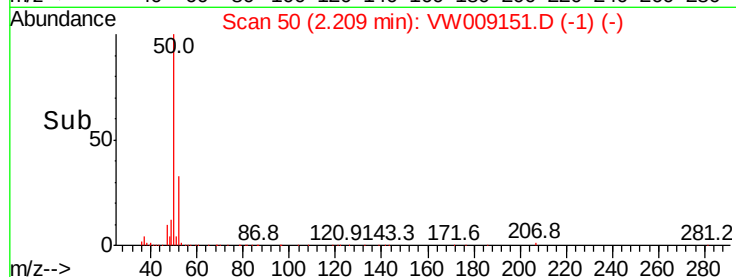
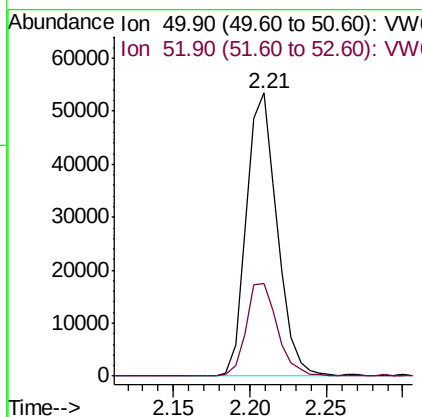
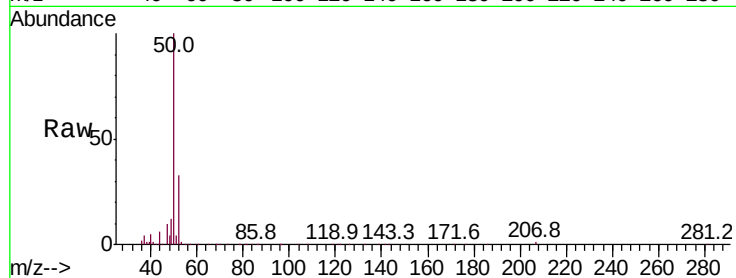
50 100

52 32.8 25.4 38.2

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#4

Vinyl Chloride

Concen: 19.703 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.01 min

Lab File: VW009151.D

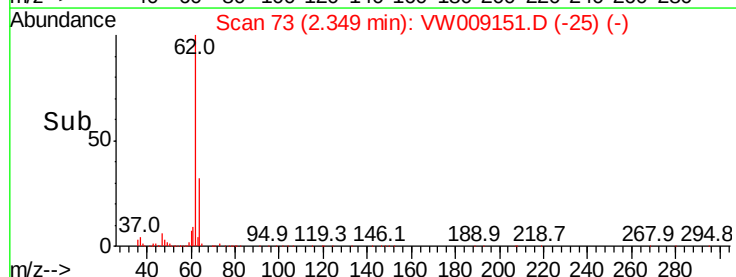
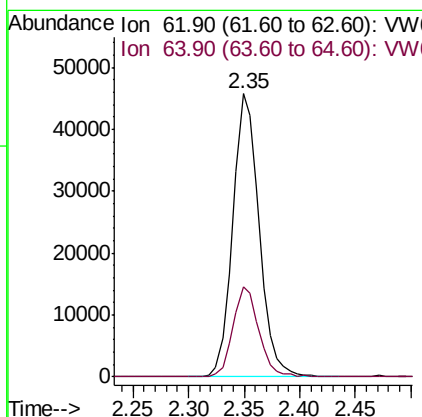
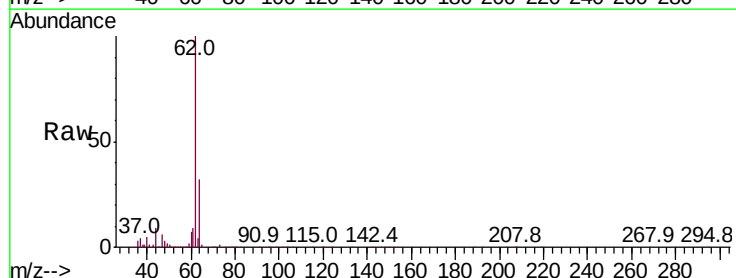
Acq: 13 Mar 2019 12:15

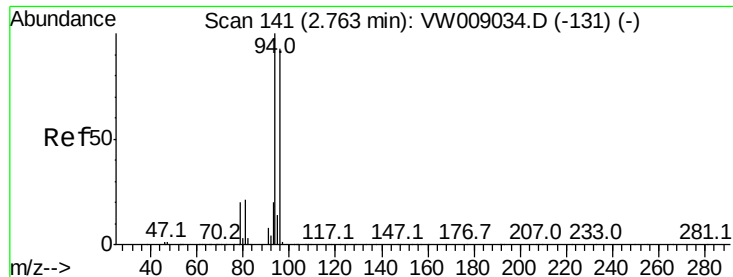
Tgt Ion: 62 Resp: 74880

Ion Ratio Lower Upper

62 100

64 31.7 26.0 39.0





#5

Bromomethane

Concen: 28.618 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 94 Resp: 91807

Ion Ratio Lower Upper

94 100

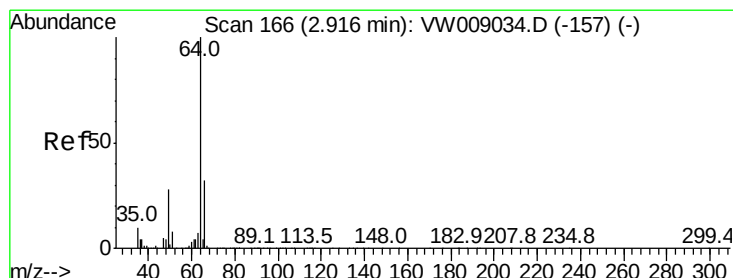
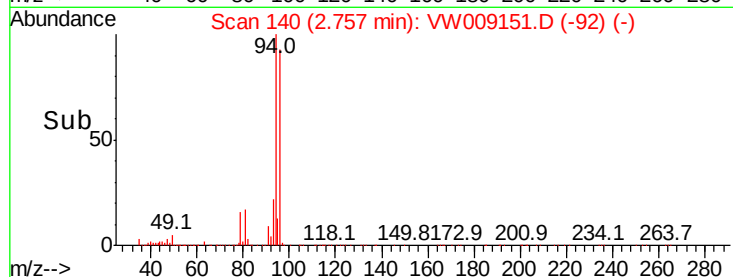
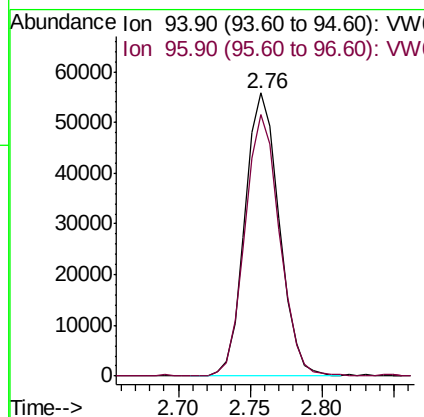
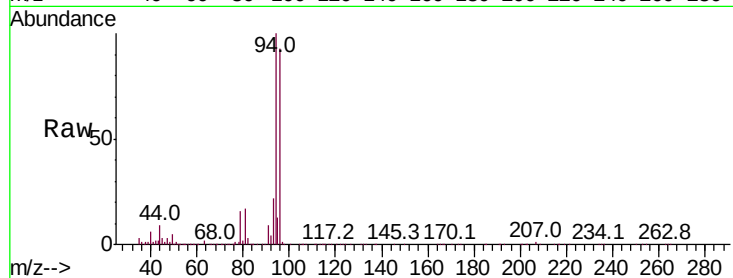
96 92.7 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 20.381 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009151.D

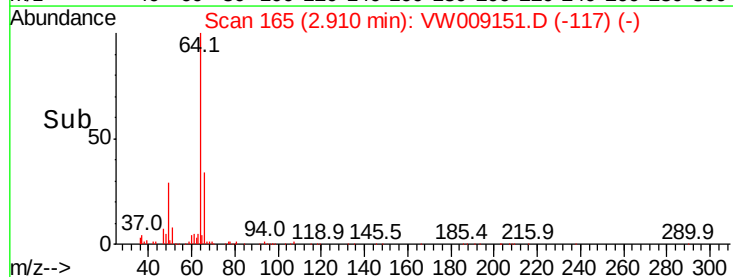
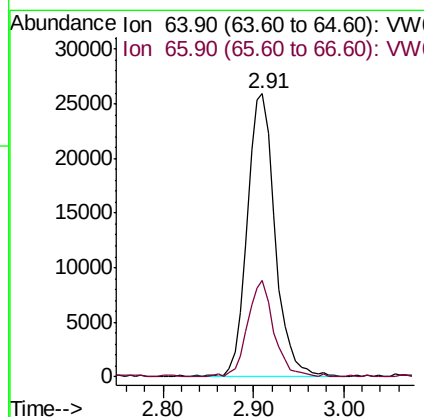
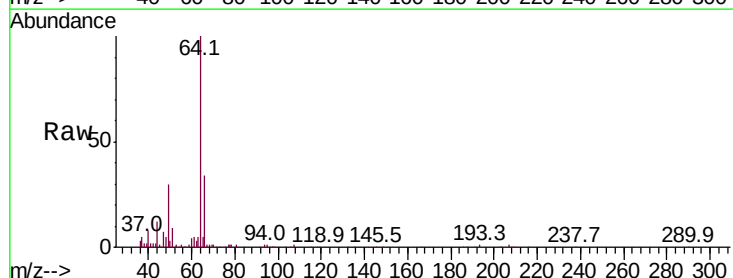
Acq: 13 Mar 2019 12:15

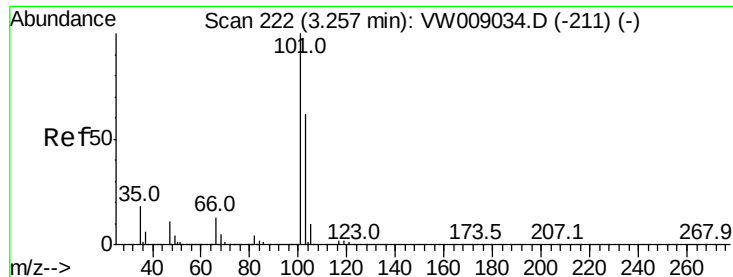
Tgt Ion: 64 Resp: 55140

Ion Ratio Lower Upper

64 100

66 34.3 25.5 38.3





#7

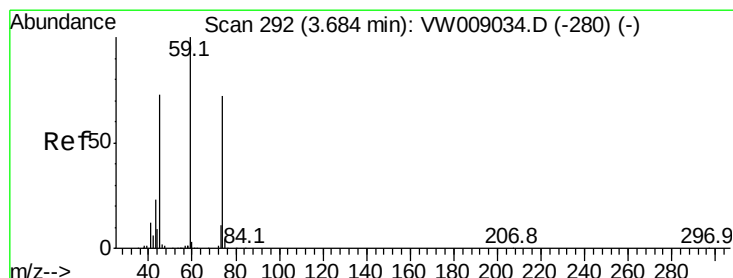
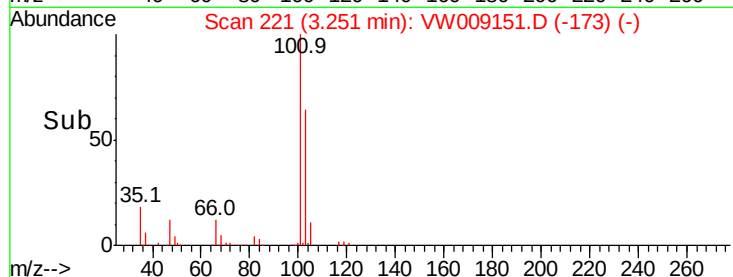
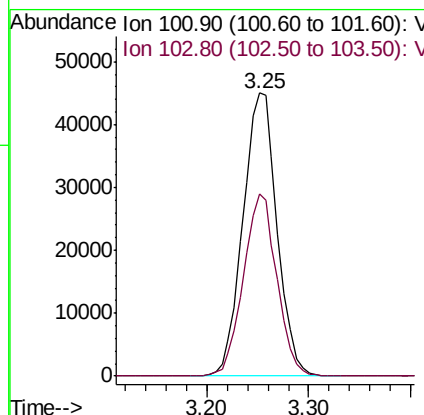
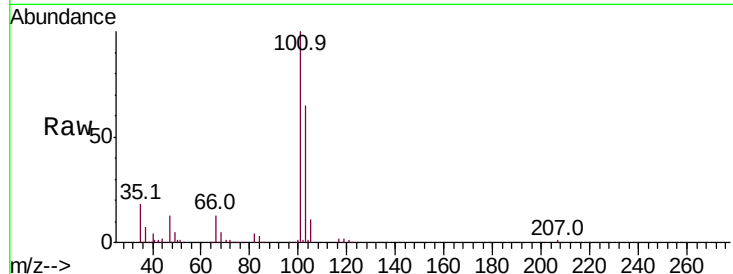
Trichlorofluoromethane
 Concen: 21.329 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
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 ClientSampleId :
 VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	49.9	74.9

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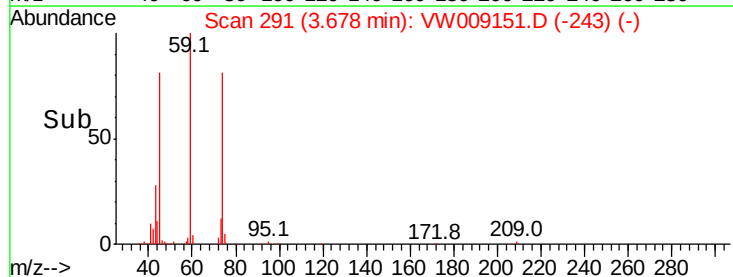
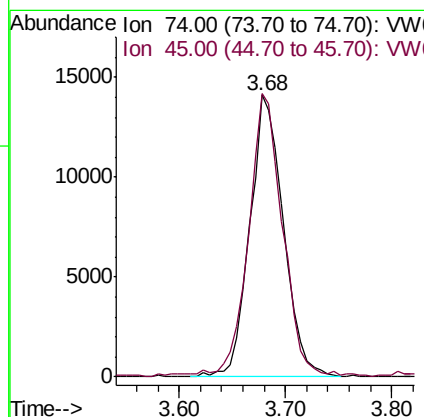
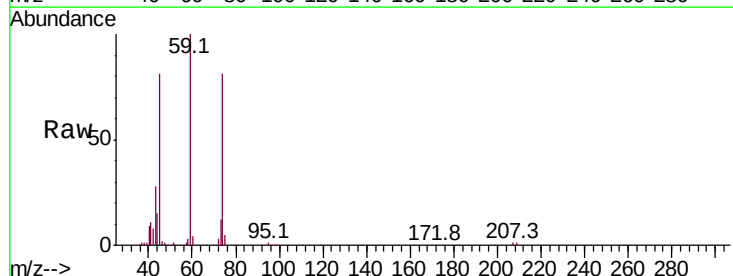
MMDadoda
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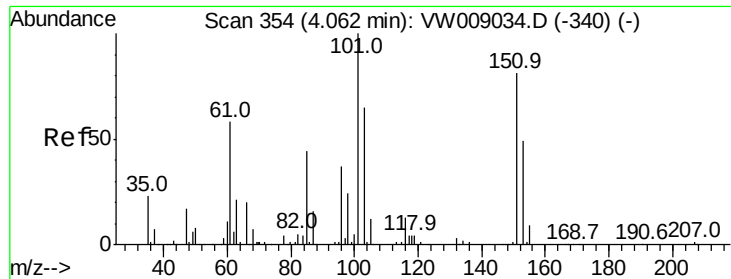


#8

Diethyl Ether
 Concen: 20.925 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.2	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.447 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

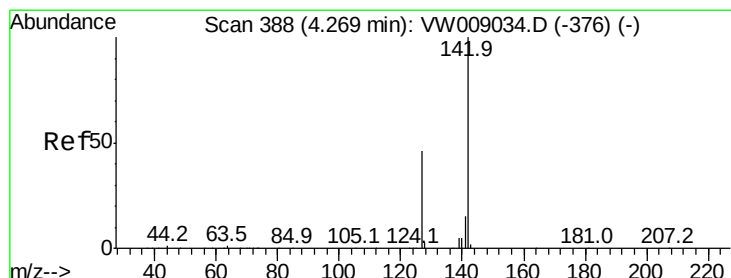
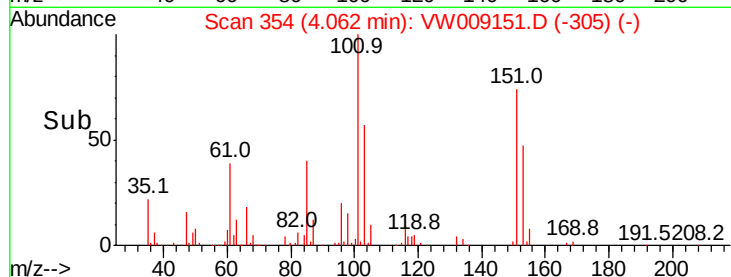
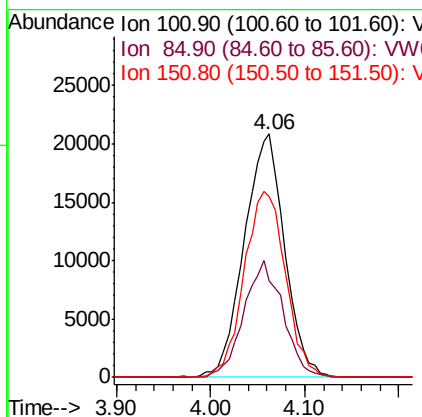
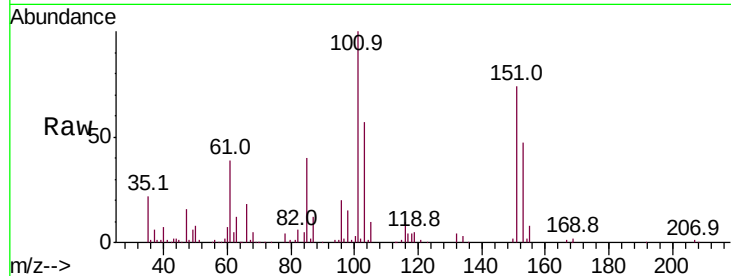
ClientSampleId :

VW0312SBSD03

Tot Ion:	101	Resp:	62314
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.2	54.4
151	78.1	63.4	95.2

Manual Integrations
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3/14/2019 3:13:08 PM



#10

Methyl Iodide

Concen: 10.788 ug/l

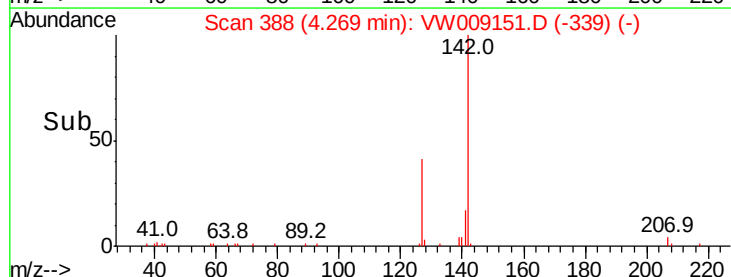
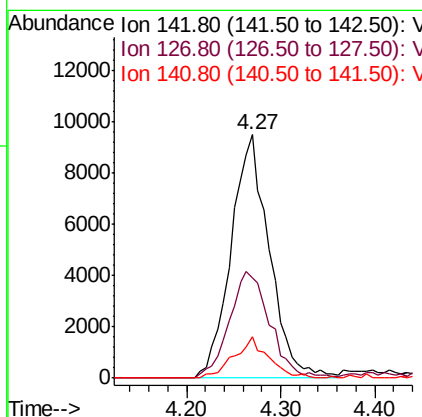
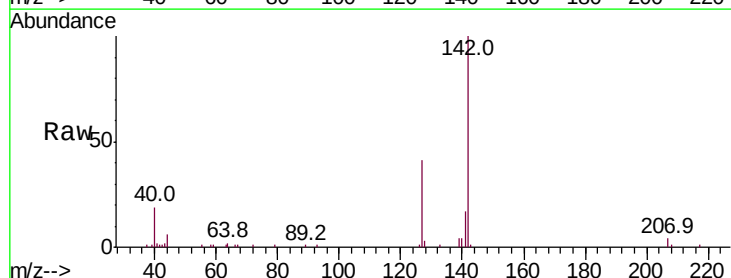
RT: 4.27 min Scan# 388

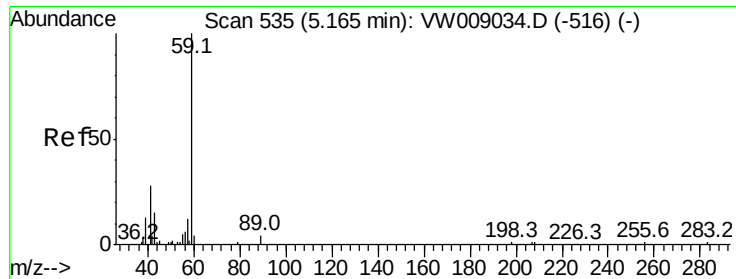
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	142	Resp:	26838
Ion Ratio	Lower	Upper	
142	100		
127	46.0	35.8	53.6
141	15.0	11.8	17.8





#11

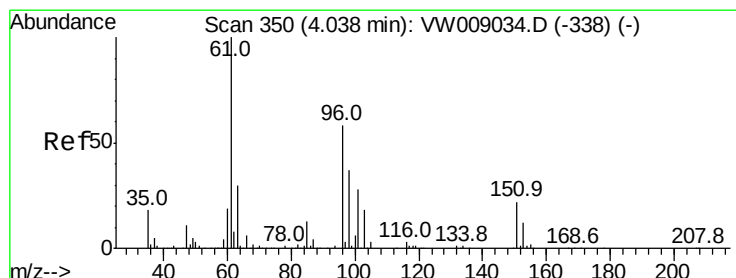
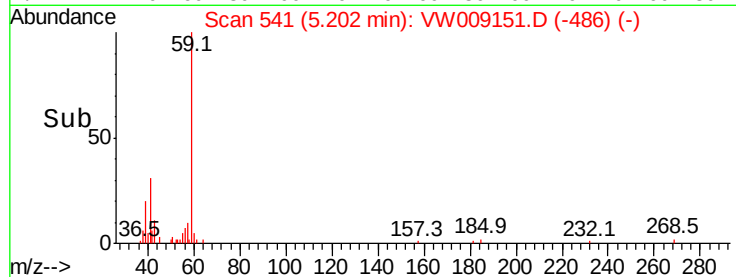
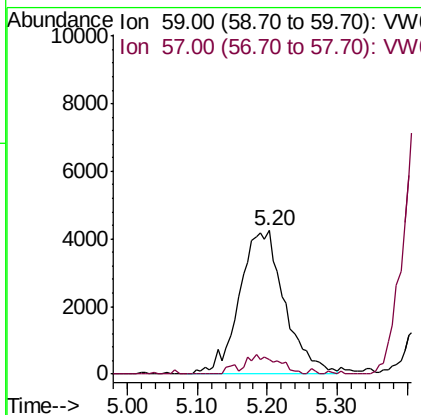
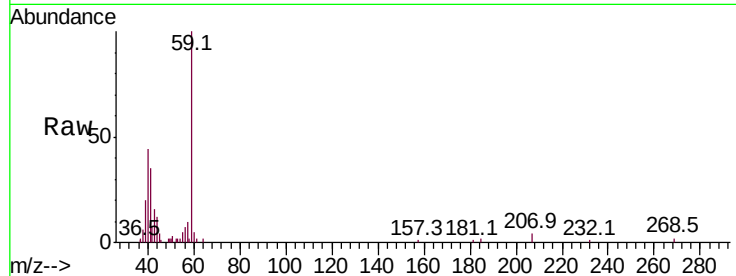
Tert butyl alcohol
Concen: 84.248 ug/l
RT: 5.20 min Scan# 541
Delta R.T. 0.04 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
59	100	18999		
57	9.3		8.6	12.8

Manual Integrations
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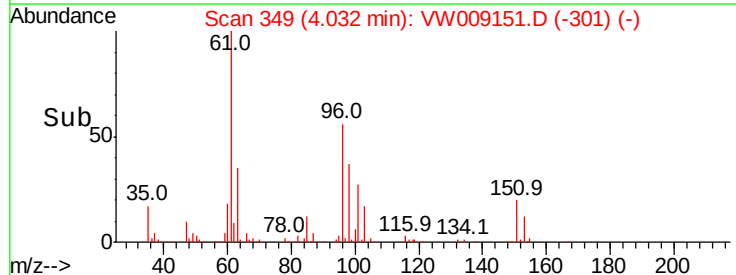
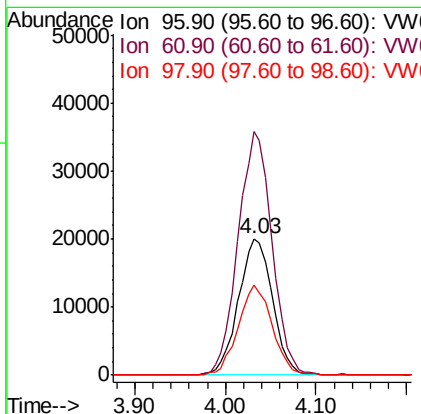
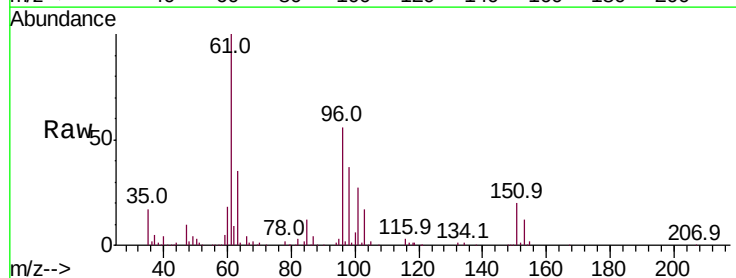
MMDadoda
3/14/2019 3:13:08 PM

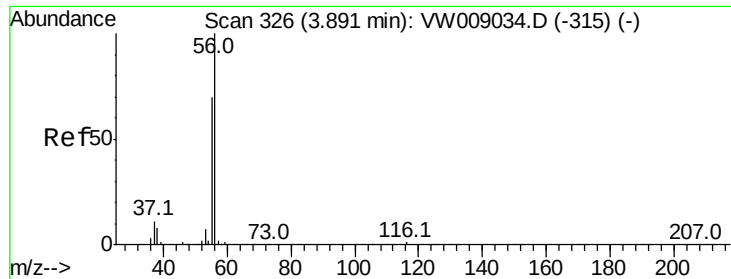


#12

1,1-Dichloroethene
Concen: 19.859 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	52205		
61	178.9		138.2	207.2
98	65.7		51.3	76.9





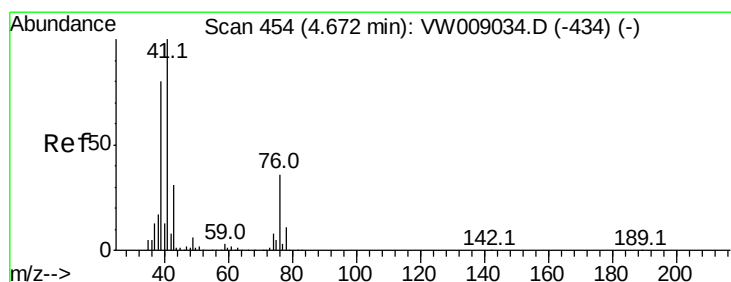
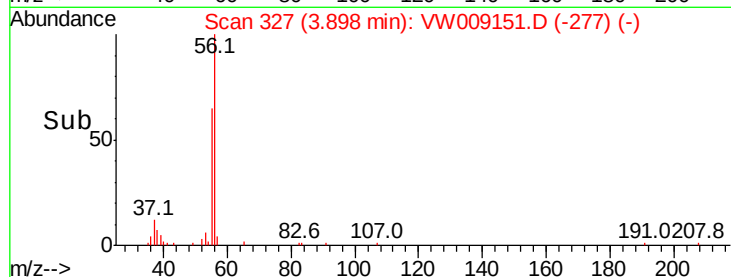
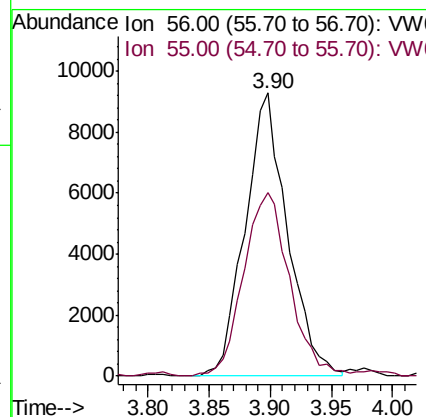
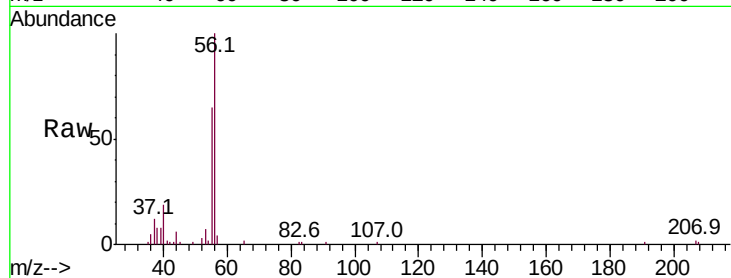
#13
Acrolein
Concen: 90.081 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion: 56 Resp: 22354
Ion Ratio Lower Upper
56 100
55 70.2 56.6 84.8

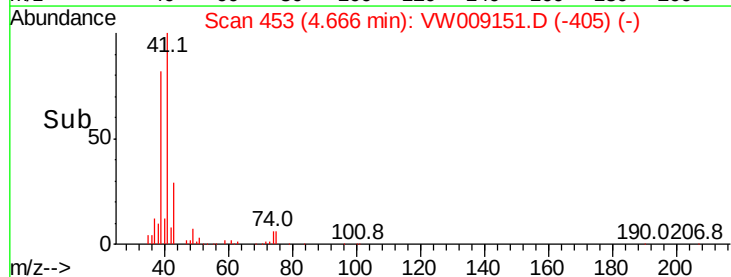
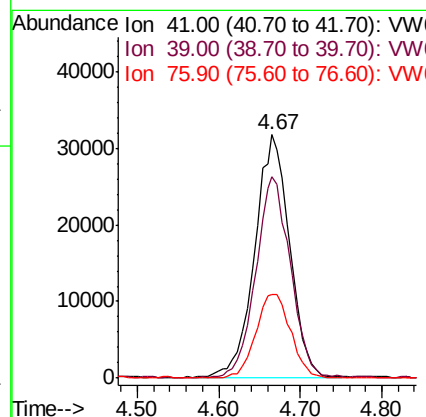
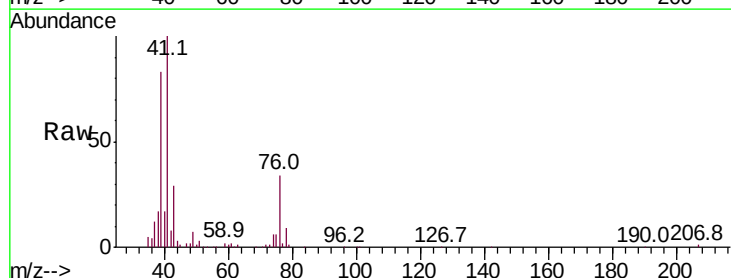
Manual Integrations
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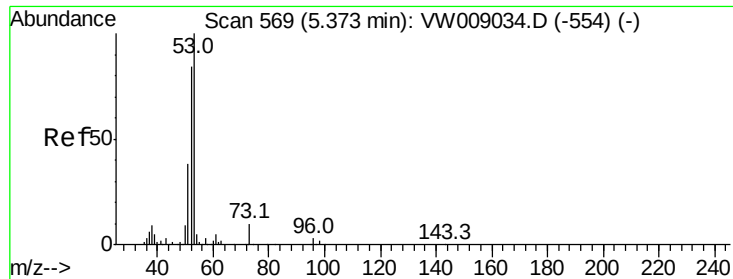
MMDadoda
3/14/2019 3:13:08 PM



#14
Allyl chloride
Concen: 20.487 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion: 41 Resp: 94999
Ion Ratio Lower Upper
41 100
39 82.7 63.0 94.4
76 34.3 28.2 42.2





#15

Acrylonitrile

Concen: 103.000 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

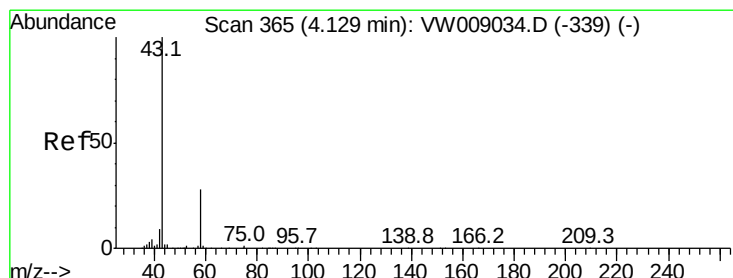
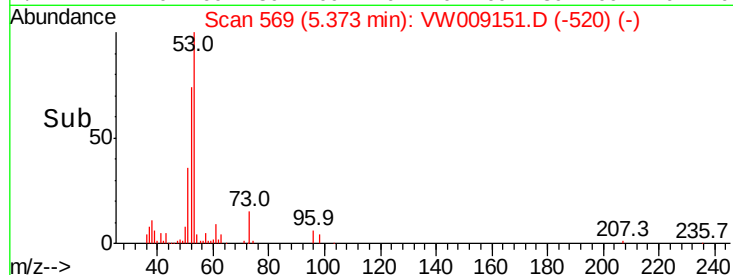
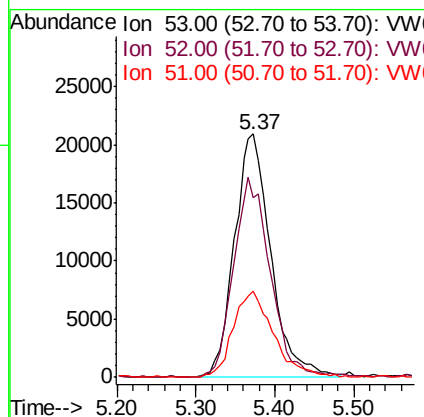
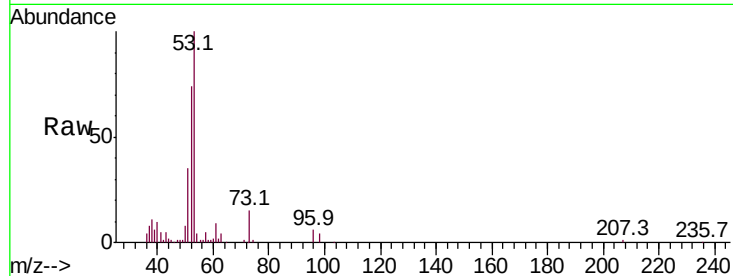
ClientSampleId :

VW0312SBSD03

Tot Ion:	53	Resp:	67260
Ion	Ratio	Lower	Upper
53	100		
52	82.9	67.2	100.8
51	39.3	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 99.916 ug/l

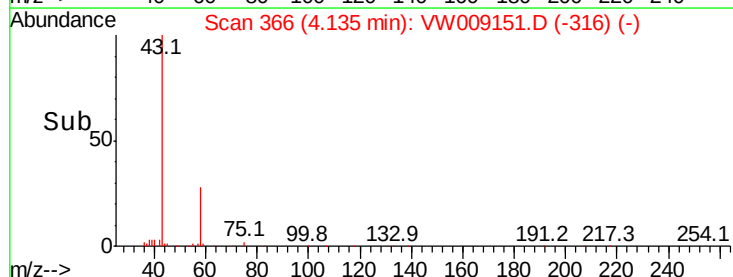
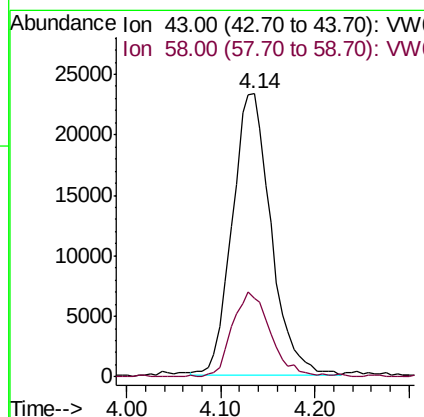
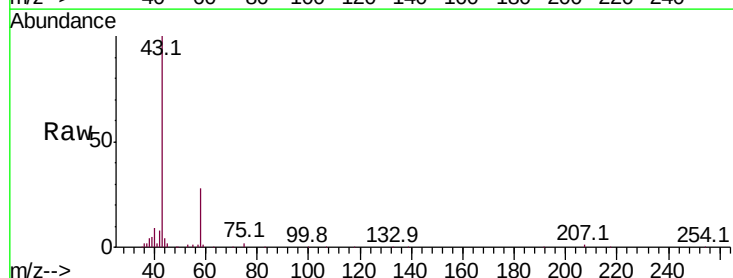
RT: 4.14 min Scan# 366

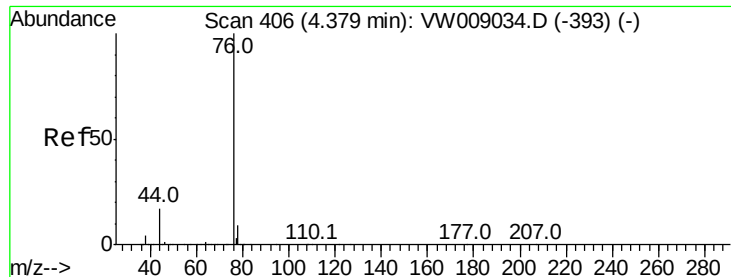
Delta R.T. 0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	43	Resp:	66352
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.5	33.7





#17

Carbon Disulfide

Concen: 19.632 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 76 Resp: 173644

Ion Ratio Lower Upper

76 100

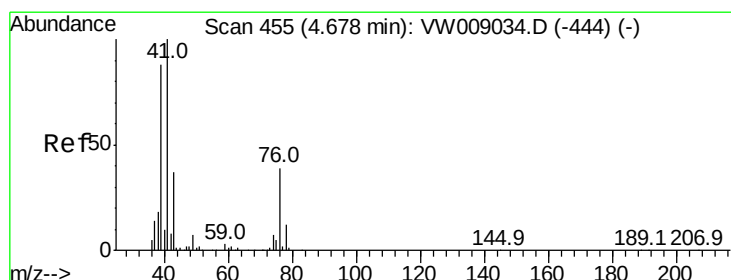
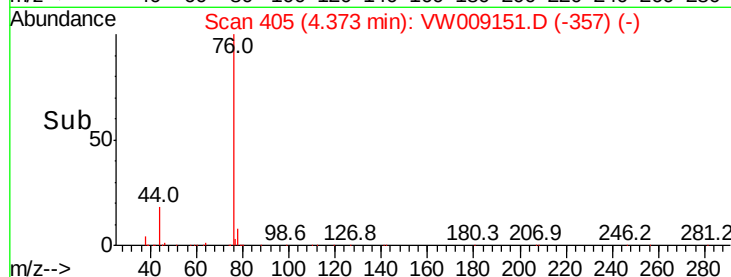
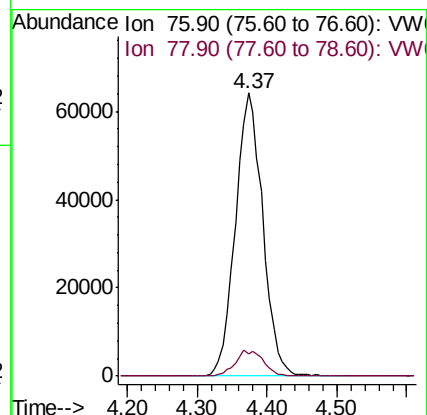
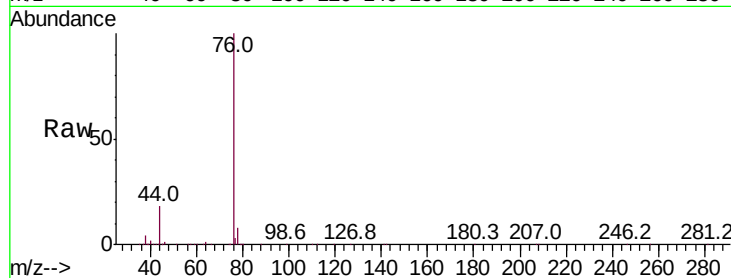
78 8.1 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 19.340 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009151.D

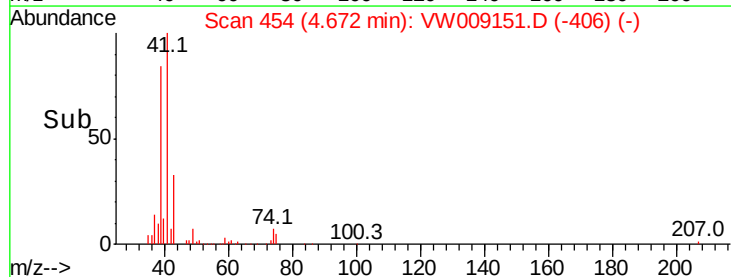
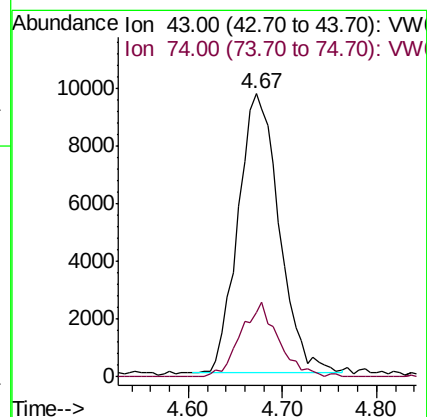
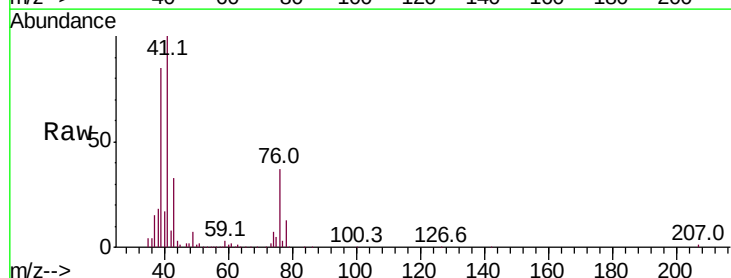
Acq: 13 Mar 2019 12:15

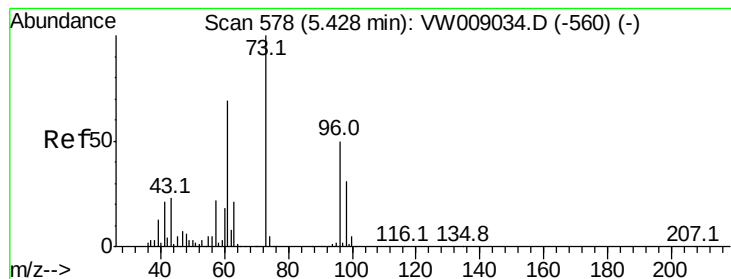
Tgt Ion: 43 Resp: 29534

Ion Ratio Lower Upper

43 100

74 24.4 17.6 26.4





#19

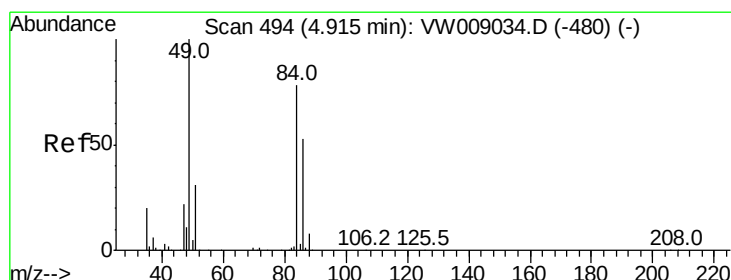
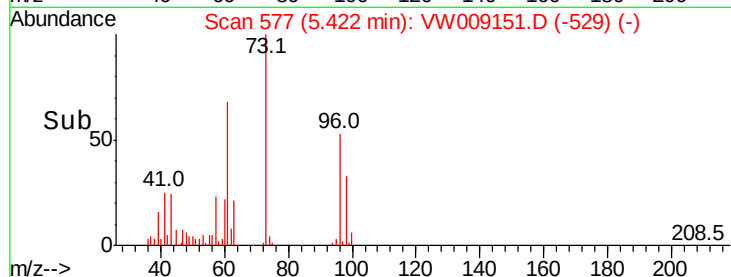
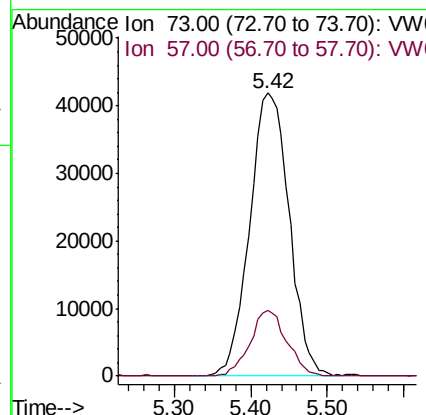
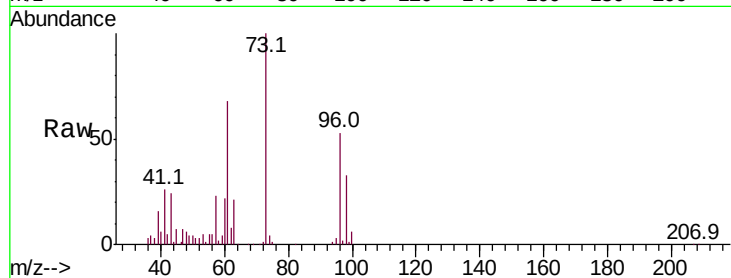
Methyl tert-butyl Ether
 Concen: 21.649 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion: 73 Resp: 150545
 Ion Ratio Lower Upper
 73 100
 57 23.3 17.3 25.9

Manual Integrations
 APPROVED

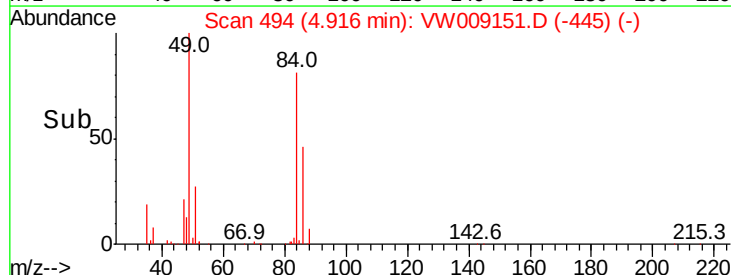
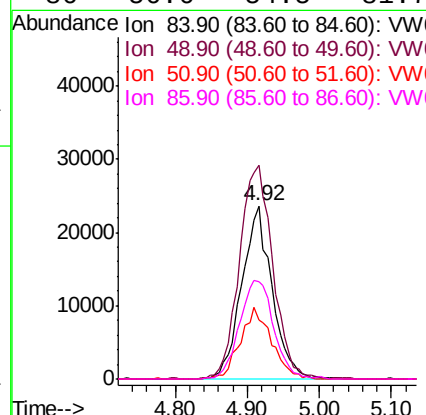
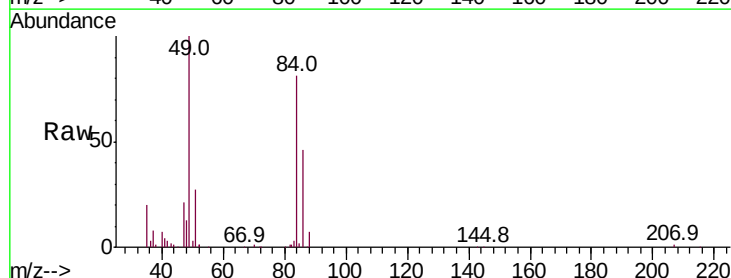
MMDadoda
 3/14/2019 3:13:08 PM

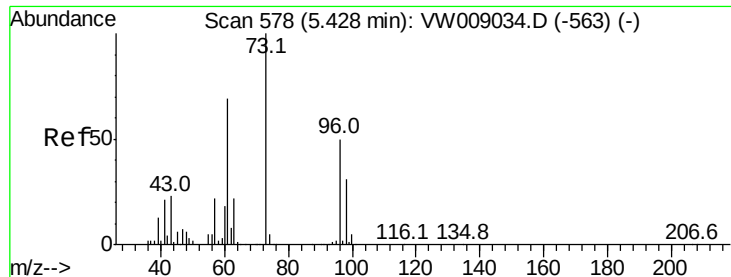


#20

Methylene Chloride
 Concen: 18.683 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion: 84 Resp: 68982
 Ion Ratio Lower Upper
 84 100
 49 123.6 102.4 153.6
 51 33.9 31.6 47.4
 86 56.6 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.611 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

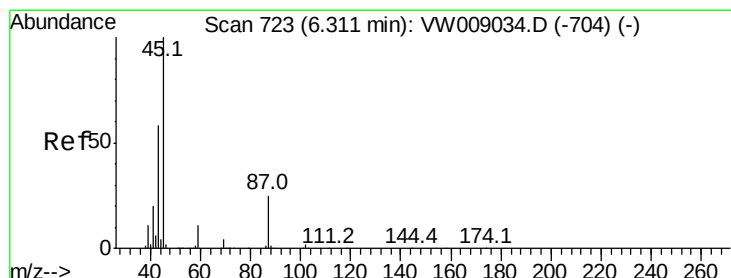
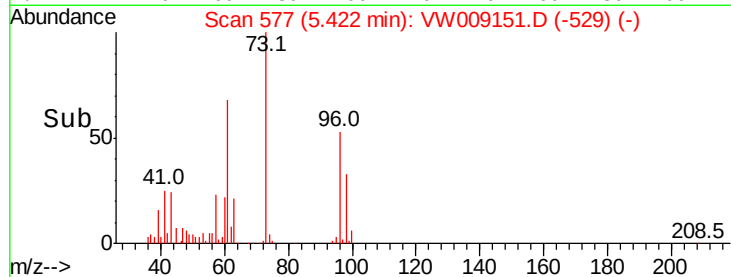
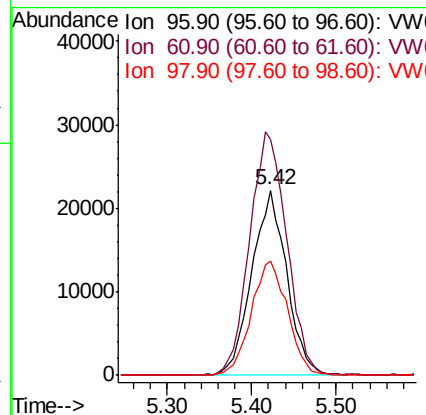
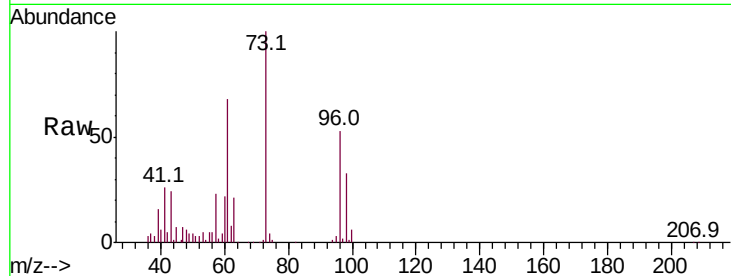
ClientSampleId :

VW0312SBSD03

Tot Ion:	96	Resp:	62563
Ion	Ratio	Lower	Upper
96	100		
61	127.6	111.0	166.6
98	61.8	49.4	74.0

Manual Integrations
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3/14/2019 3:13:08 PM



#22

Diisopropyl ether

Concen: 21.576 ug/l

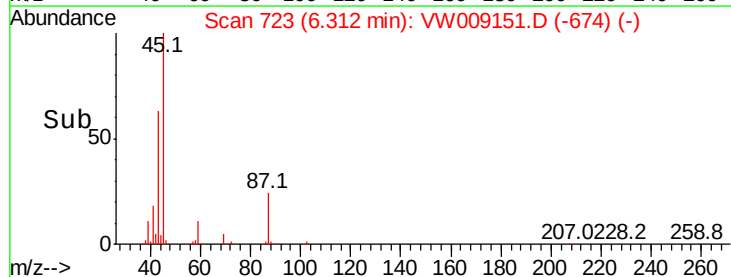
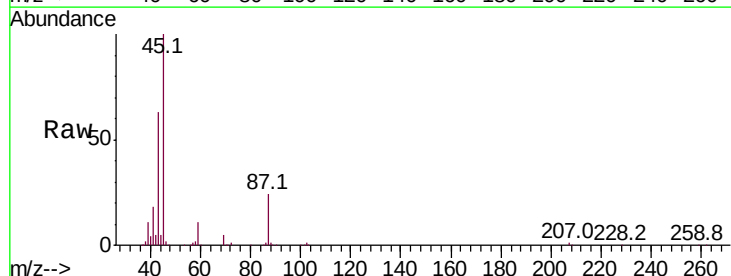
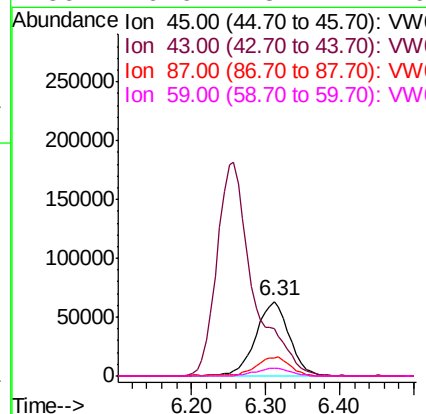
RT: 6.31 min Scan# 723

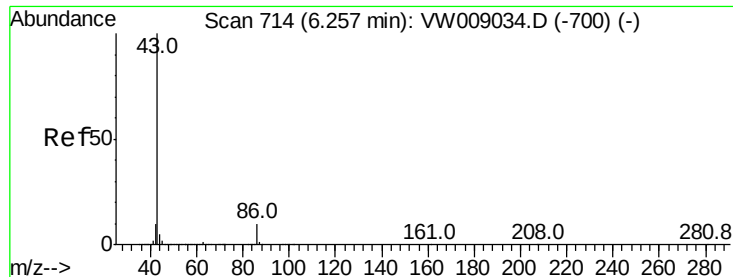
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	45	Resp:	198823
Ion	Ratio	Lower	Upper
45	100		
43	61.8	46.2	69.4
87	24.3	20.1	30.1
59	10.6	8.4	12.6





#23

Vinyl Acetate

Concen: 106.663 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 43 Resp: 611659

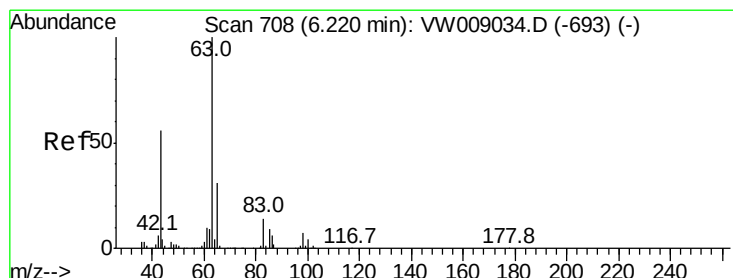
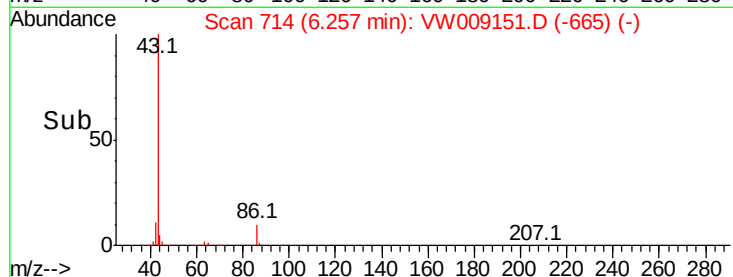
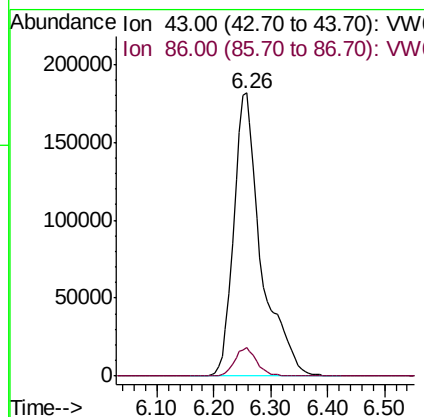
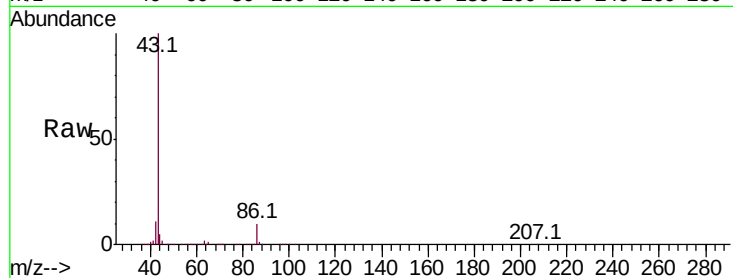
Ion Ratio Lower Upper

43 100

86 10.0 7.6 11.4

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 20.547 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

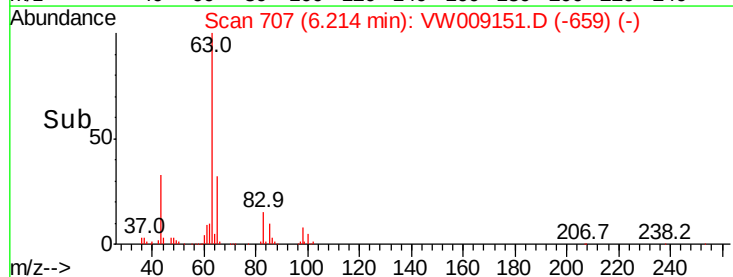
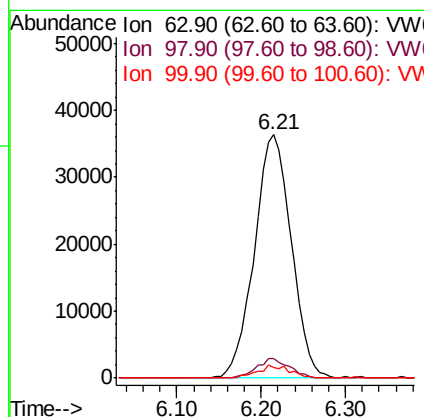
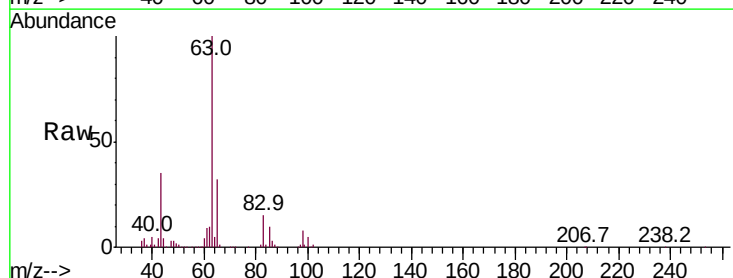
Tgt Ion: 63 Resp: 109825

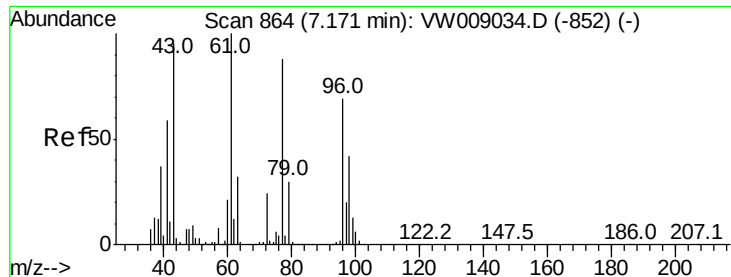
Ion Ratio Lower Upper

63 100

98 7.9 3.4 10.2

100 4.6 2.1 6.2





#25

2-Butanone

Concen: 100.254 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS03

Tot Ion: 43 Resp: 92010

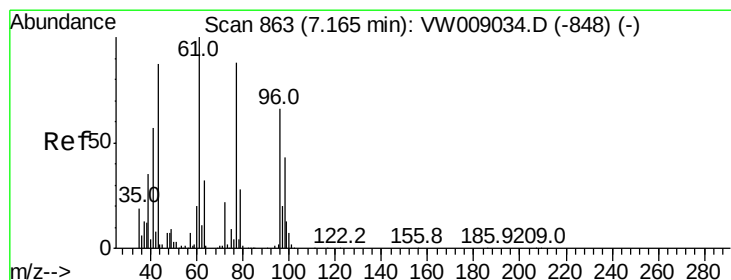
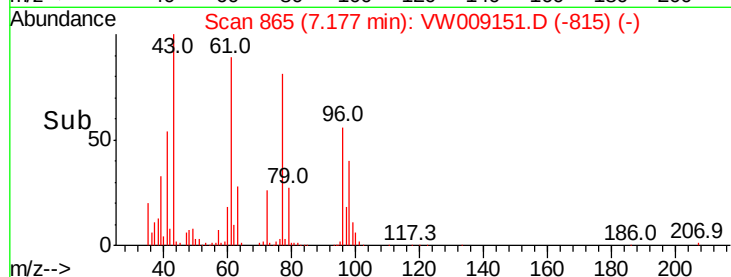
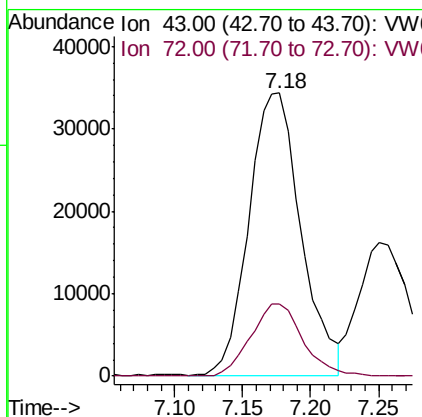
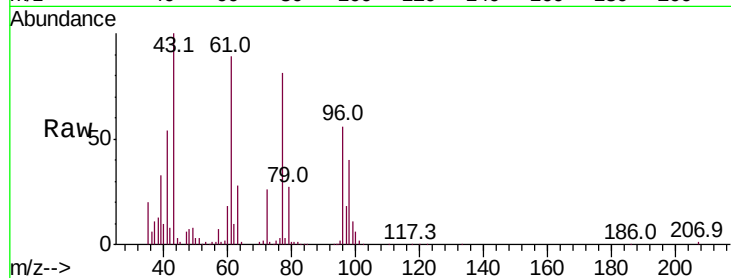
Ion Ratio Lower Upper

43 100

72 25.4 20.0 30.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 20.226 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009151.D

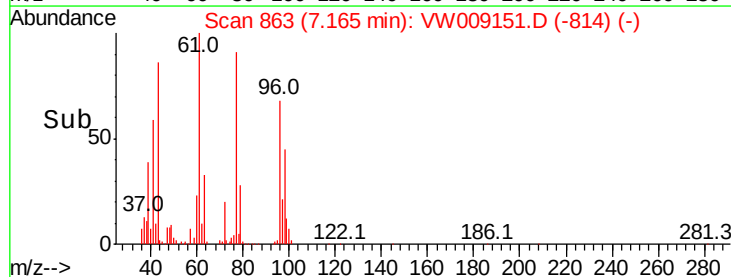
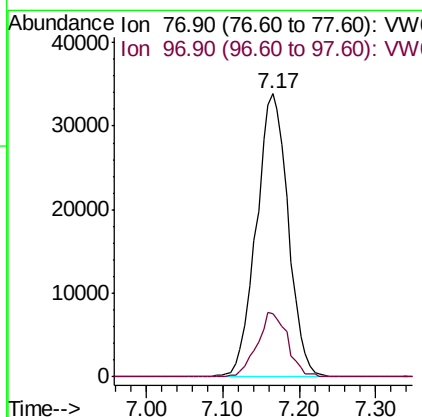
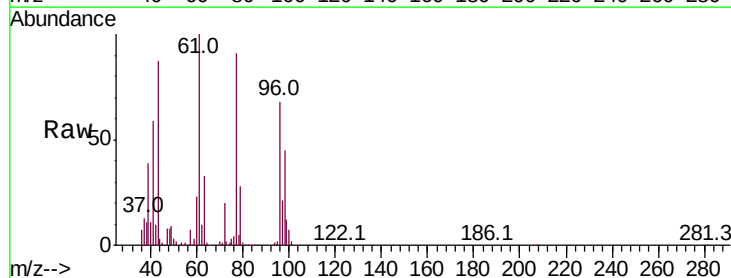
Acq: 13 Mar 2019 12:15

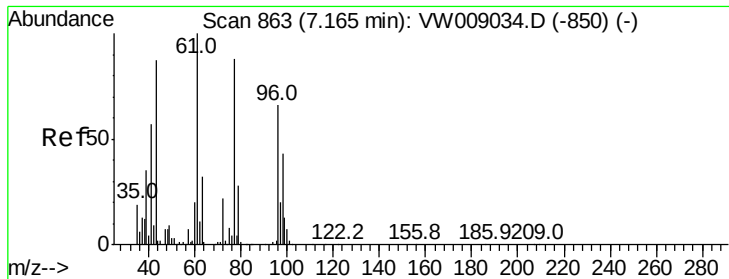
Tgt Ion: 77 Resp: 98265

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.9





#27

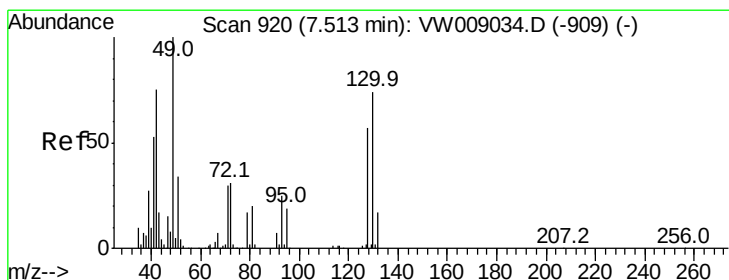
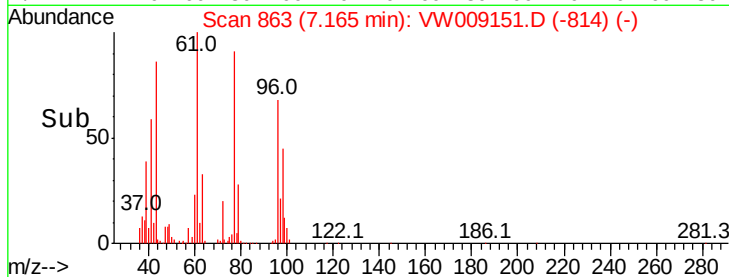
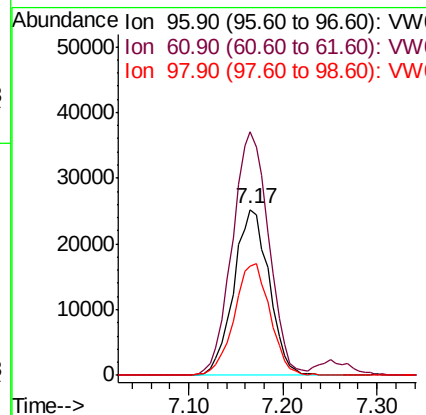
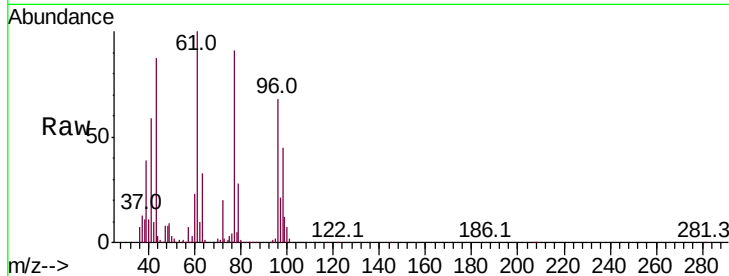
cis-1,2-Dichloroethene
 Concen: 20.169 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0312SBS03

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	151.3	0.0	299.8	
98	68.0	0.0	127.2	

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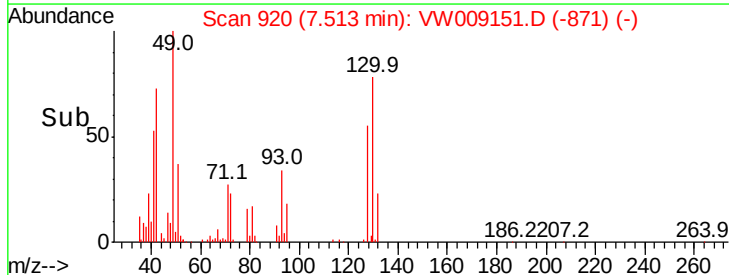
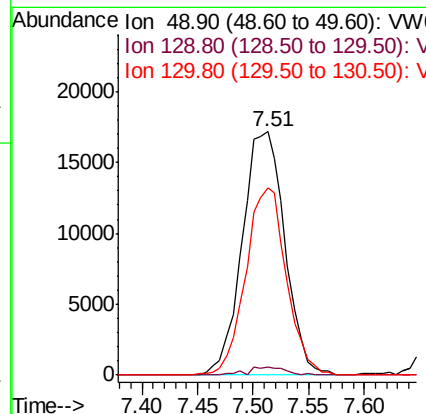
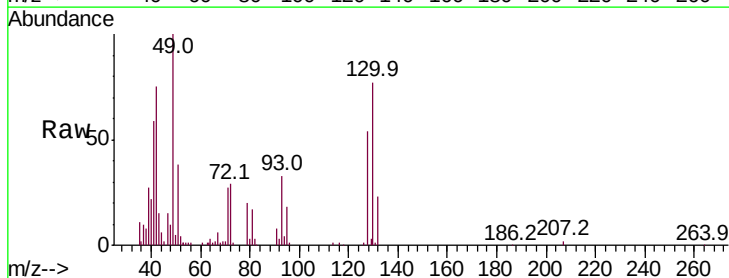
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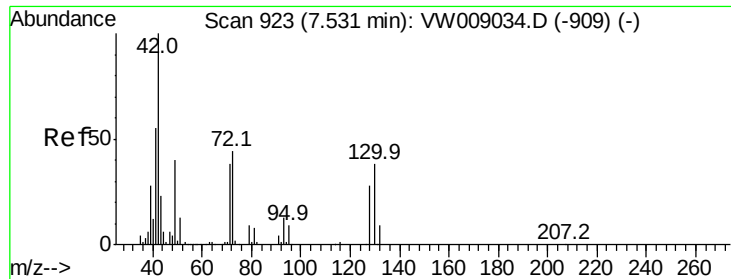


#28

Bromochloromethane
 Concen: 20.524 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.8	0.0	4.6	
130	73.6	60.4	90.6	





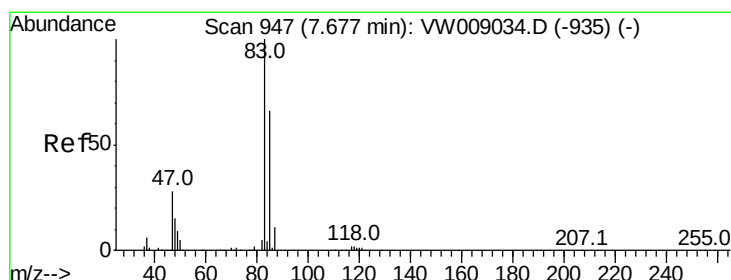
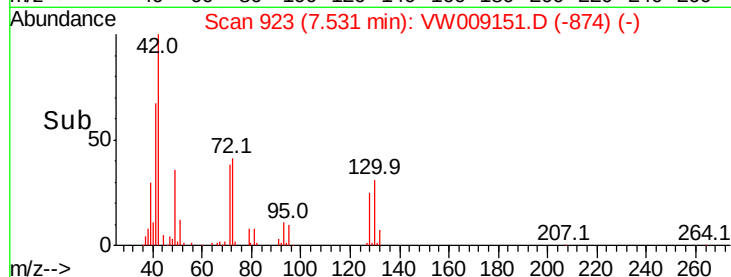
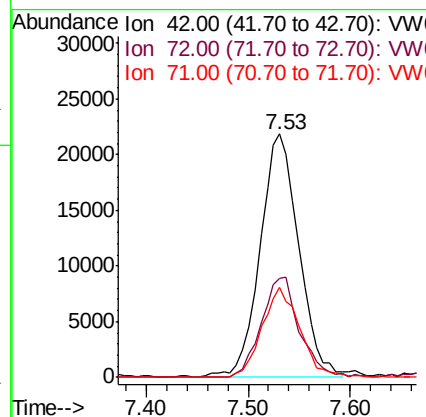
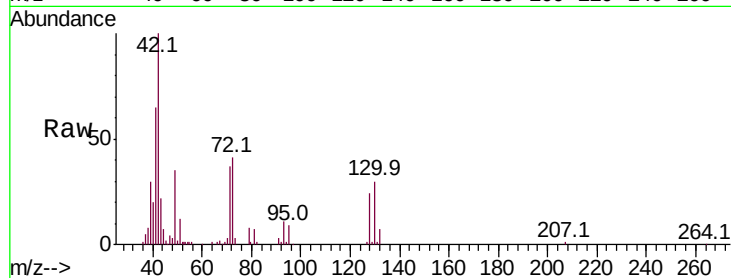
#29
Tetrahydrofuran
Concen: 98.213 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.2	48.4
71	36.7	30.7	46.1

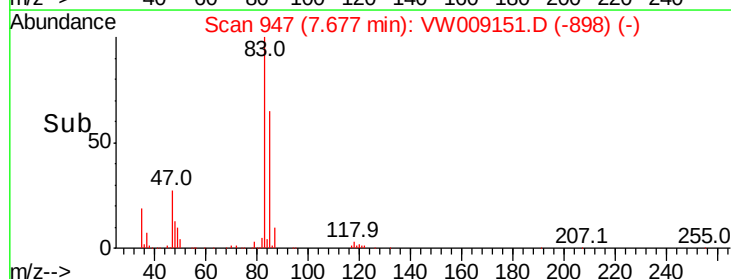
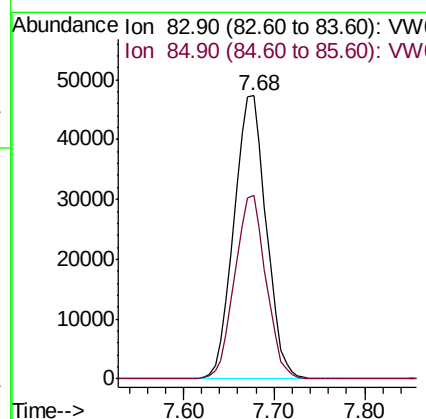
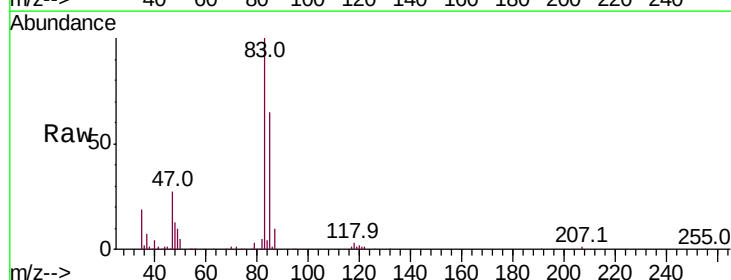
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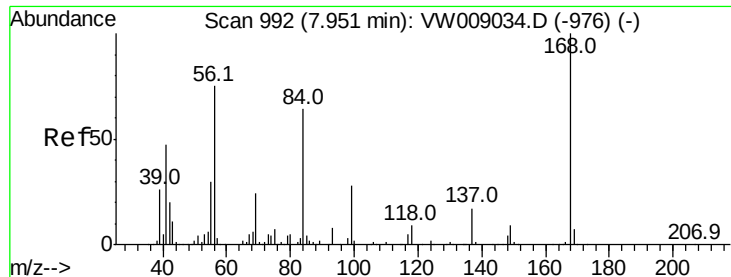
MMDadoda
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#30
Chloroform
Concen: 21.307 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.0	79.6





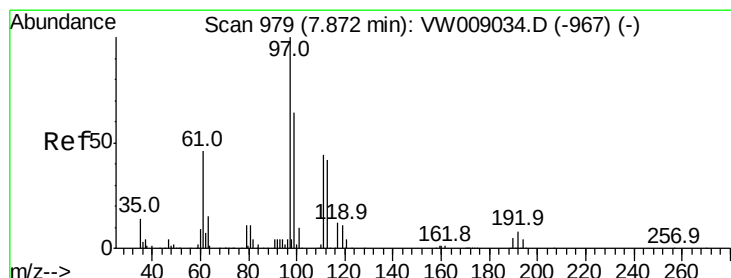
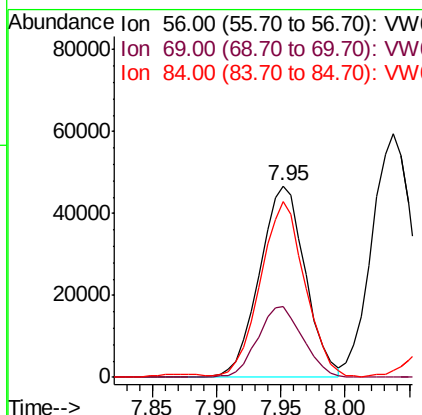
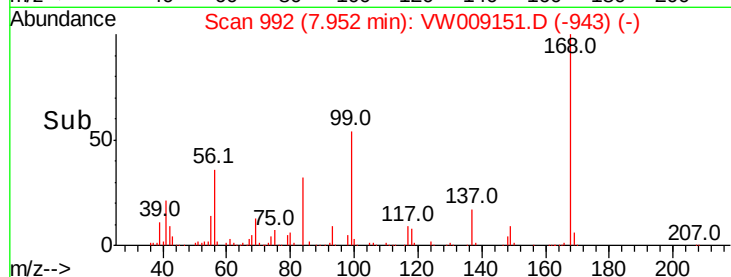
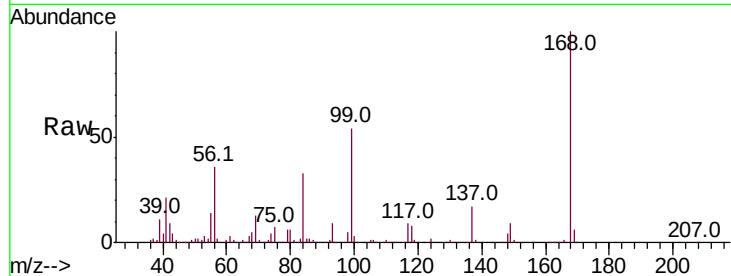
#31
Cyclohexane
Concen: 20.935 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	25.5	38.3
84	90.6	68.6	103.0

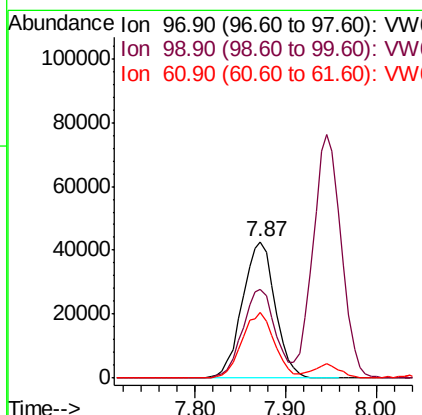
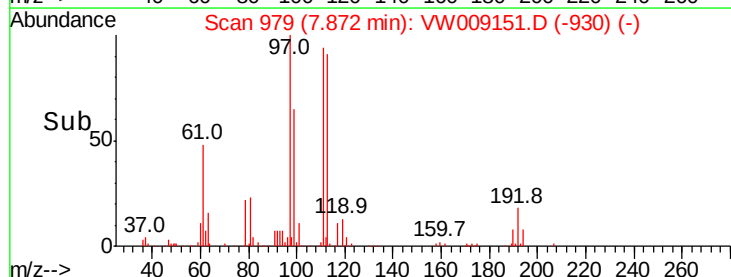
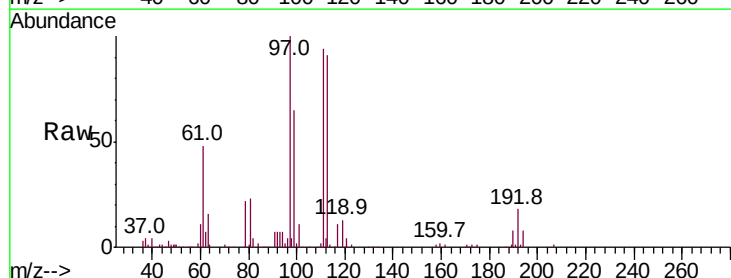
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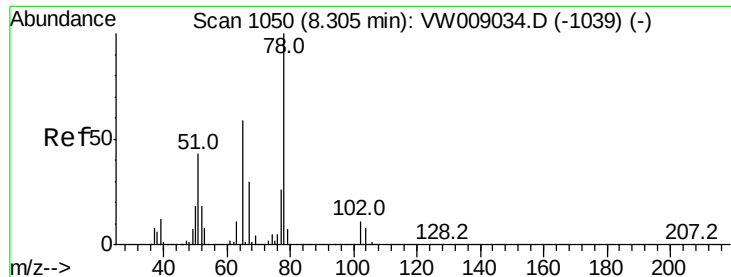
MMDadoda
3/14/2019 3:13:08 PM



#32
1,1,1-Trichloroethane
Concen: 20.938 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.8	77.8
61	47.9	37.3	55.9





#33

1,2-Dichloroethane-d4

Concen: 44.353 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

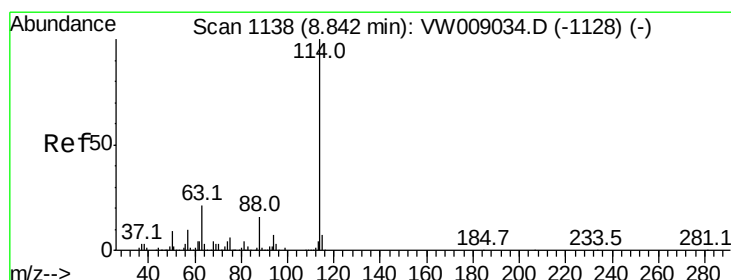
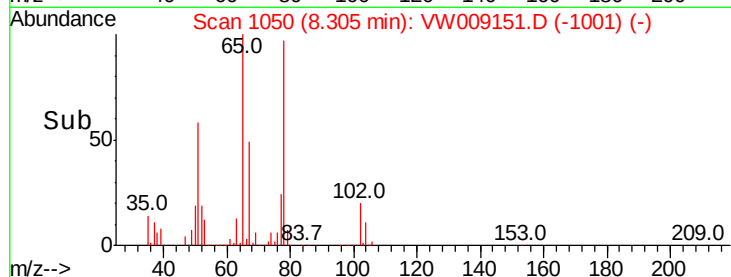
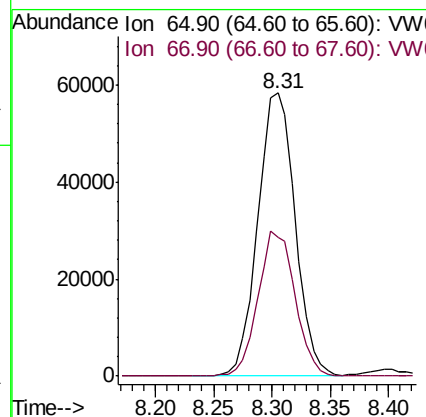
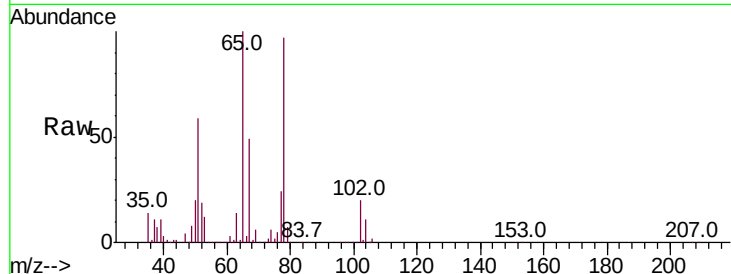
Instrument :
MSVOA_W

ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	103.0

Manual Integrations
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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

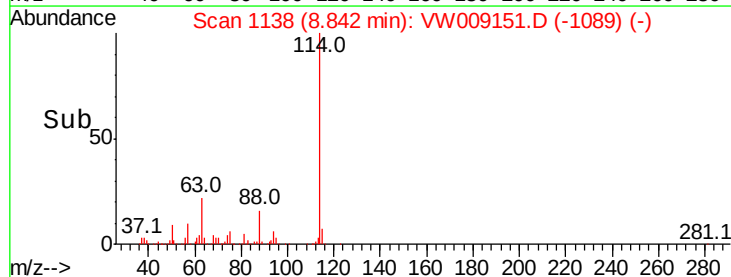
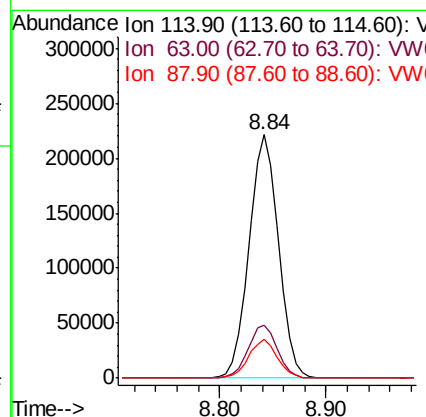
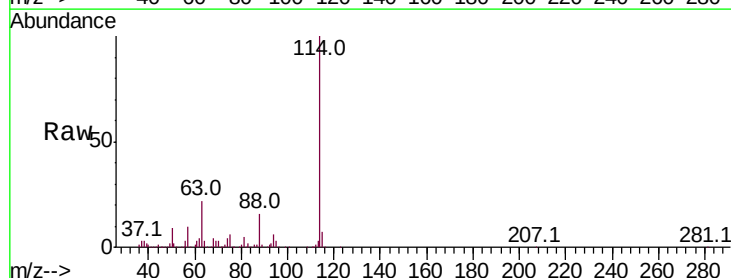
RT: 8.84 min Scan# 1138

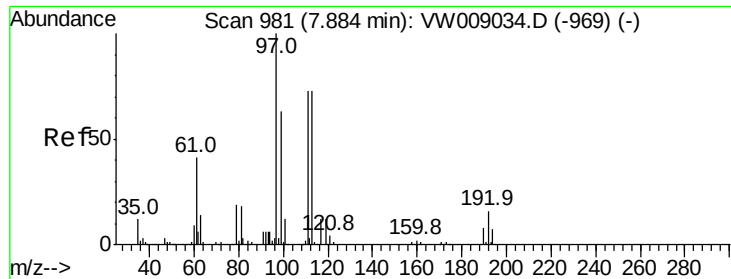
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	41.2
88	16.0	0.0	31.2





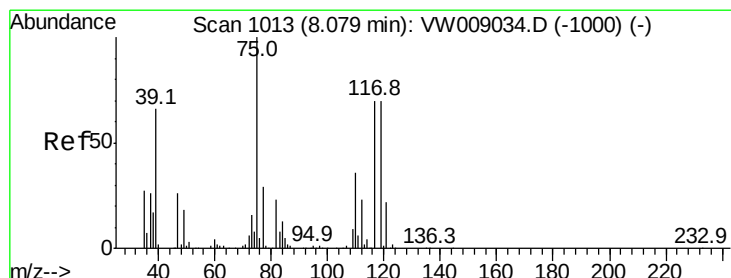
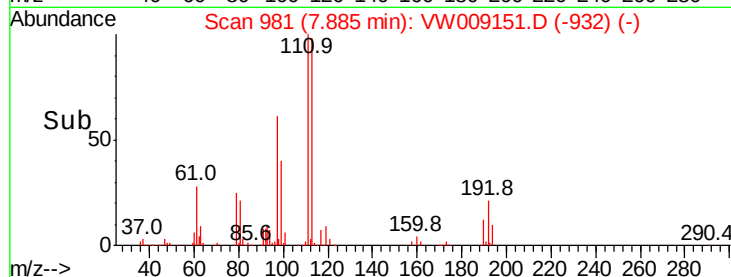
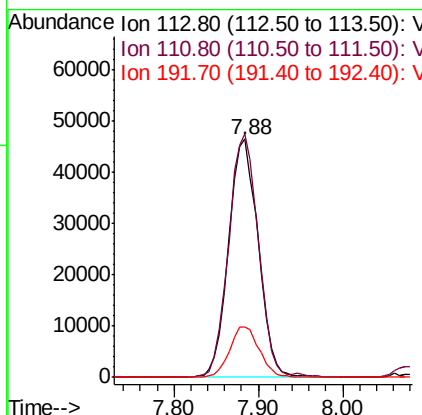
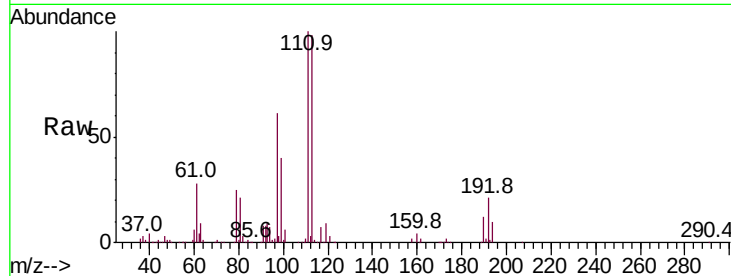
#35
Dibromofluoromethane
Concen: 42.921 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.0	121.4
192	21.0	17.1	25.7

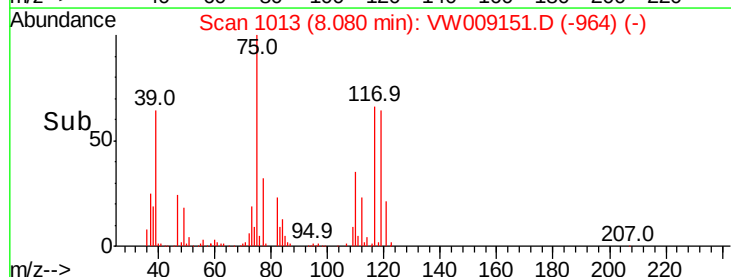
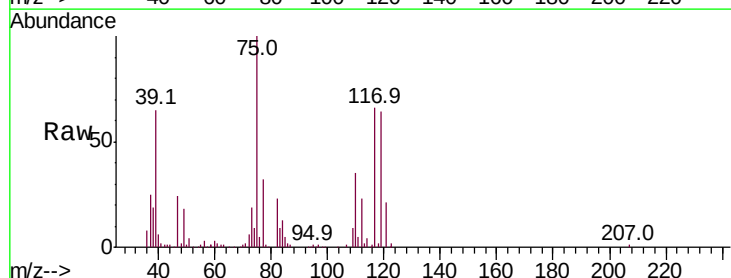
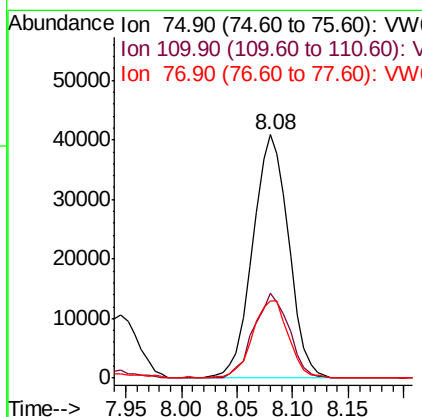
Manual Integrations
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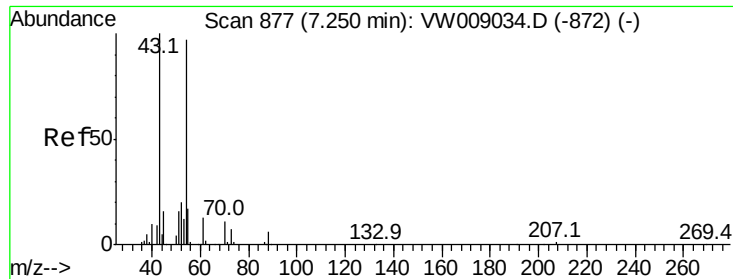
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#36
1,1-Dichloropropene
Concen: 20.497 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.6	52.9
77	32.1	25.1	37.7





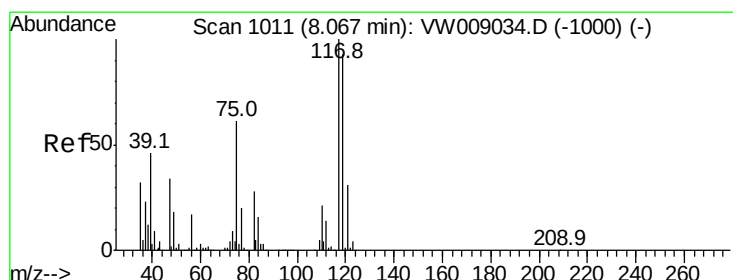
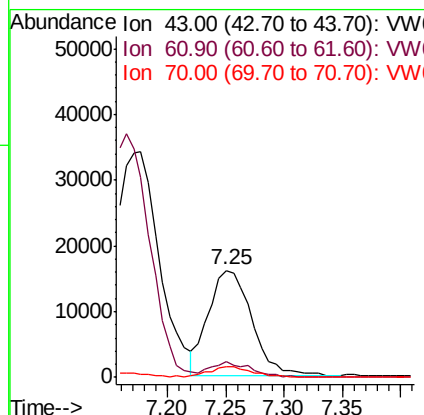
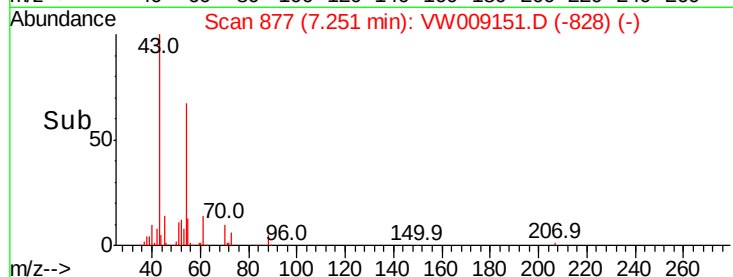
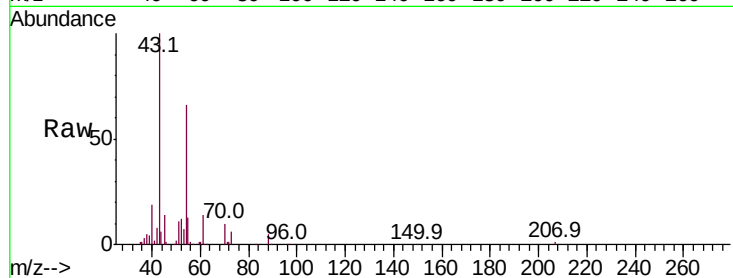
#37
Ethyl Acetate
Concen: 19.742 ug/l
RT: 7.25 min Scan# 877
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleID :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	9.8	14.6
70	10.4	7.2	10.8

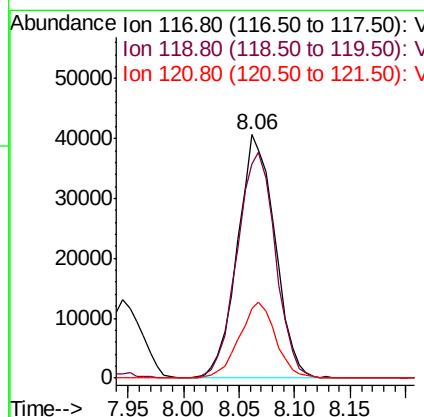
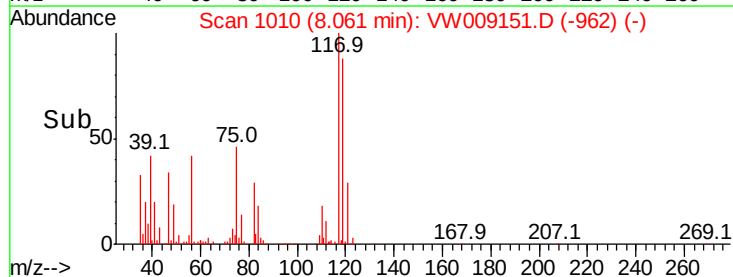
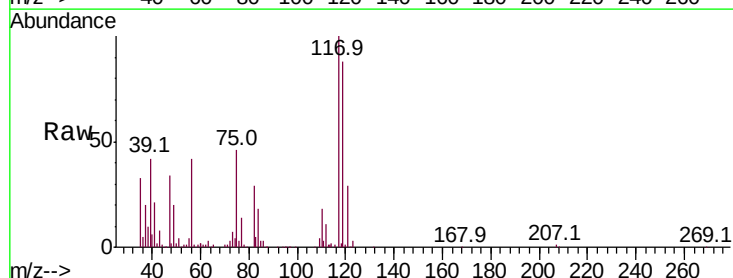
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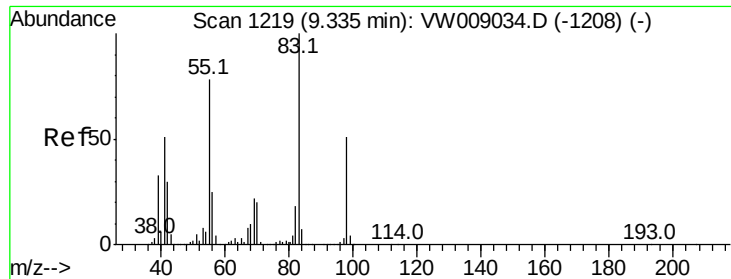
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#38
Carbon Tetrachloride
Concen: 20.549 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.9	74.6	112.0
121	28.6	24.7	37.1





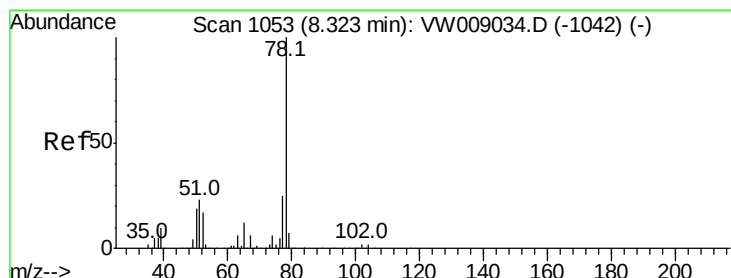
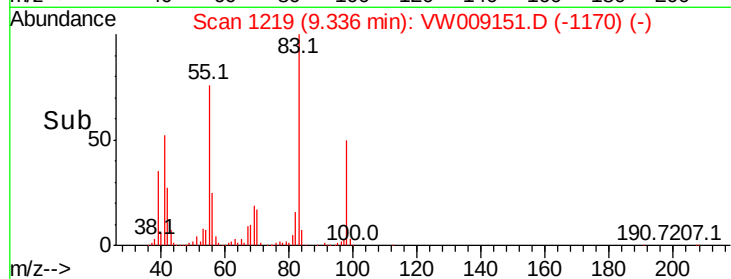
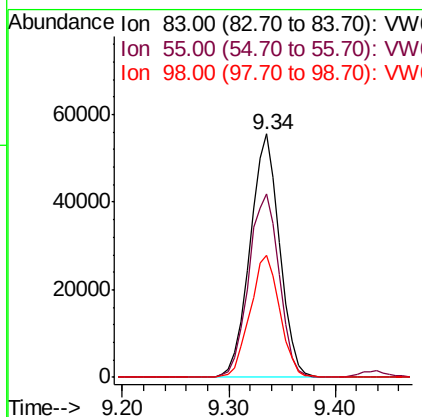
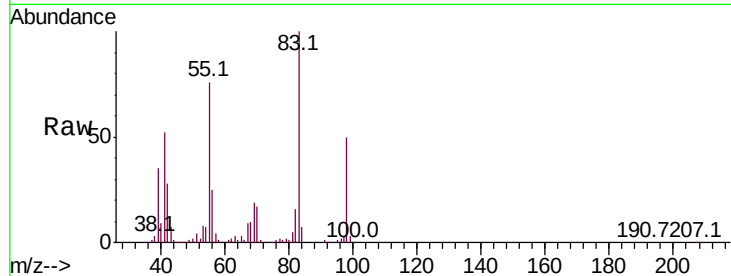
#39
Methylvlcyclohexane
Concen: 20.203 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	75.5	62.7	94.1	
98	50.0	40.8	61.2	

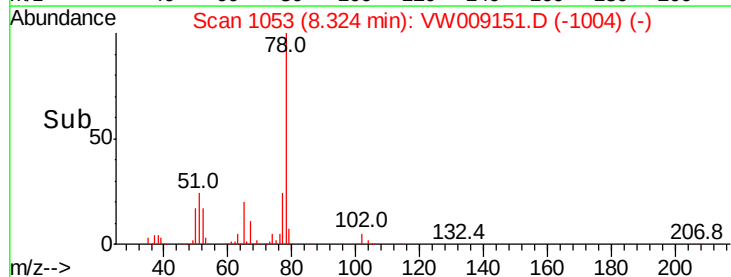
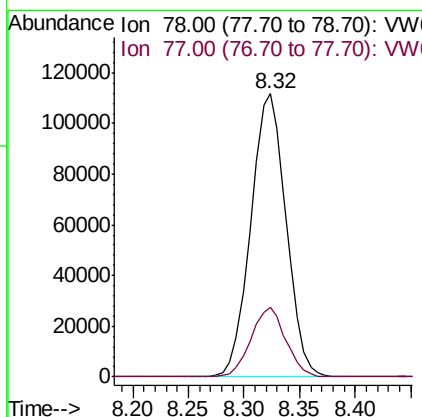
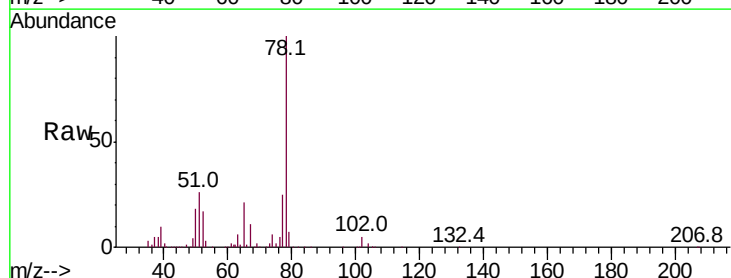
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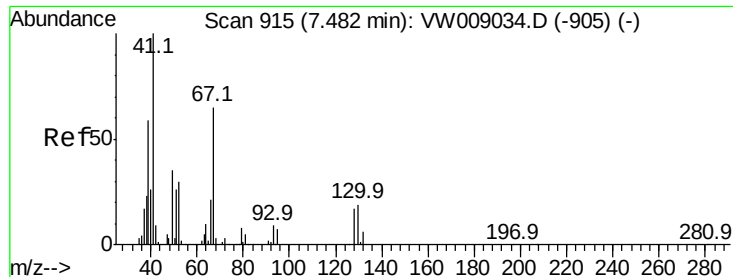
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#40
Benzene
Concen: 20.580 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.5	20.2	30.4	





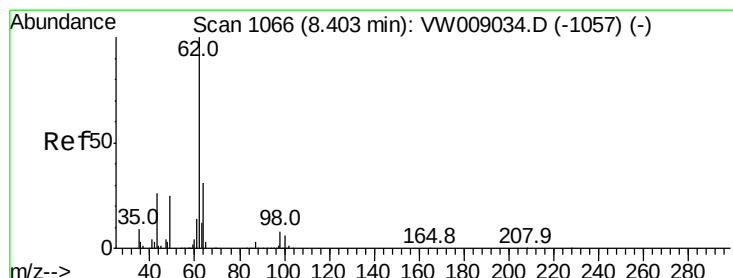
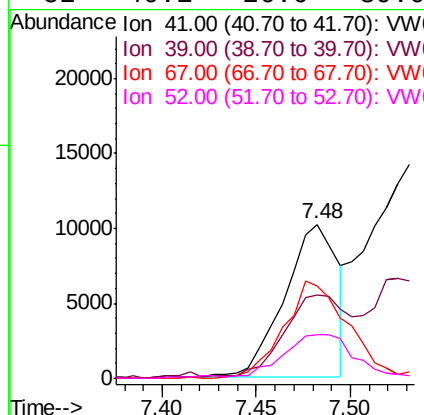
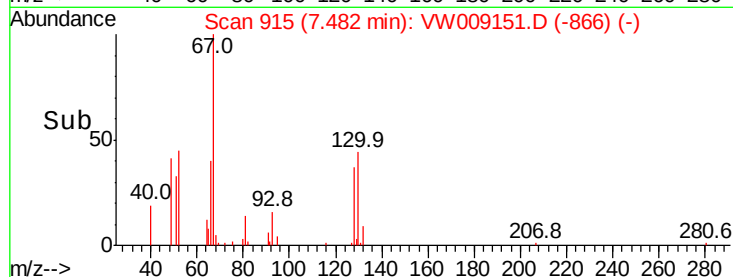
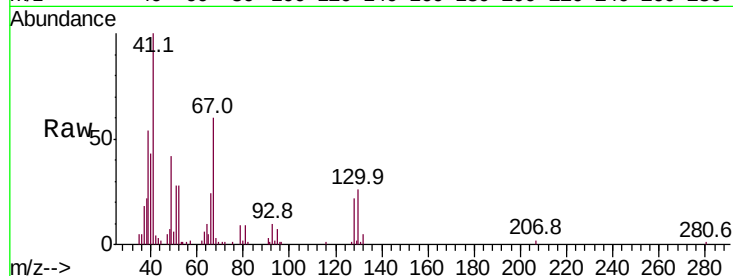
#41
Methacrylonitrile
Concen: 16.949 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.2	53.6	80.4
67	77.7	57.6	86.4
52	40.1	26.0	39.0#

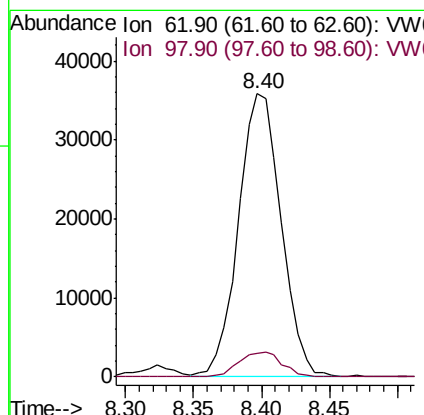
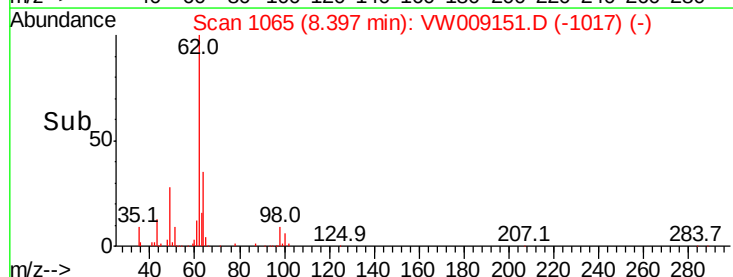
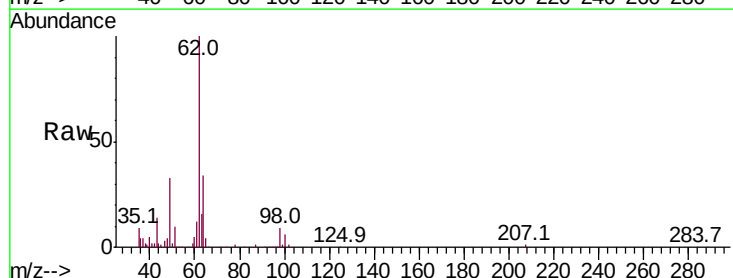
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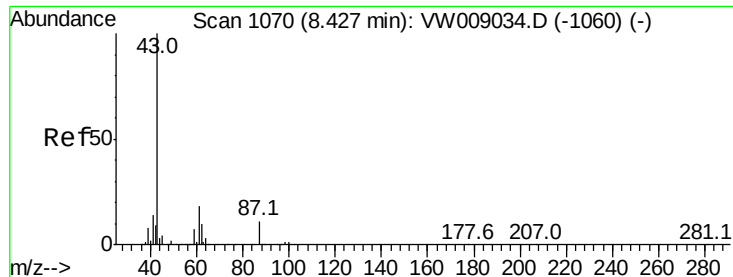
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#42
1,2-Dichloroethane
Concen: 20.356 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 20.746 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

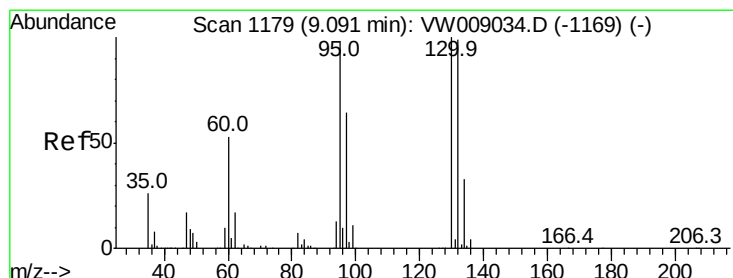
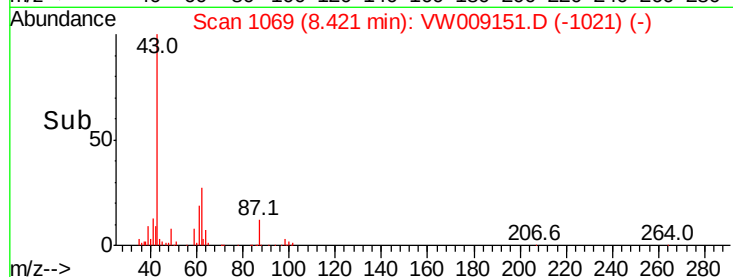
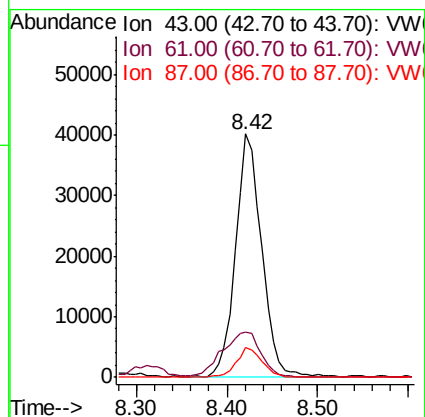
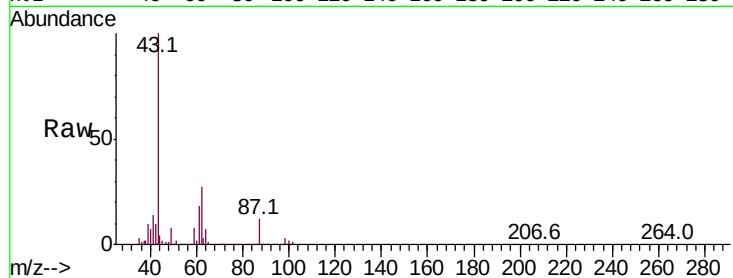
ClientSampleId :

VW0312SBSD03

Tot Ion:	43	Resp:	81465
Ion	Ratio	Lower	Upper
43	100		
61	27.1	22.8	34.2
87	11.9	9.4	14.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.440 ug/l

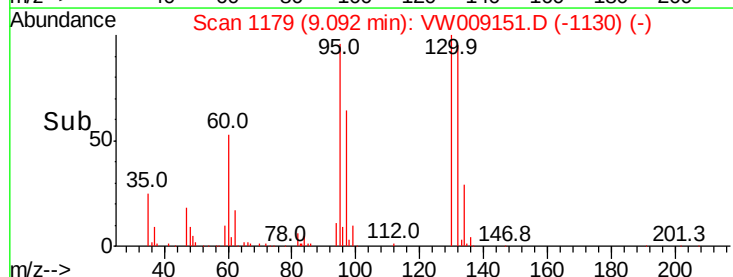
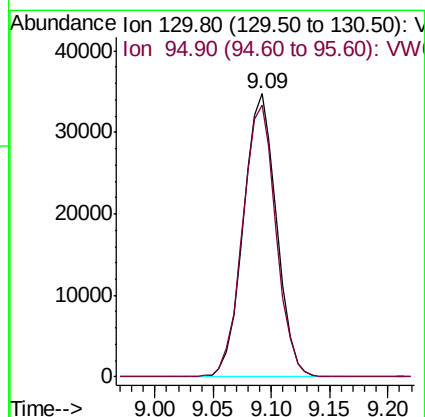
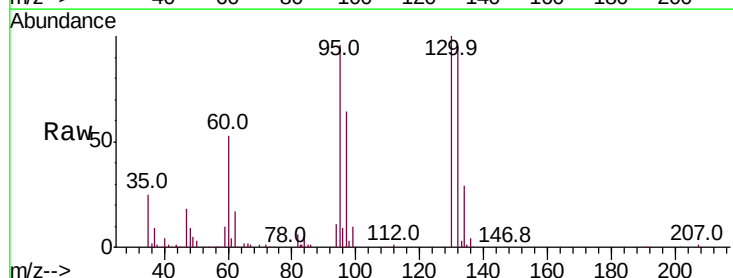
RT: 9.09 min Scan# 1179

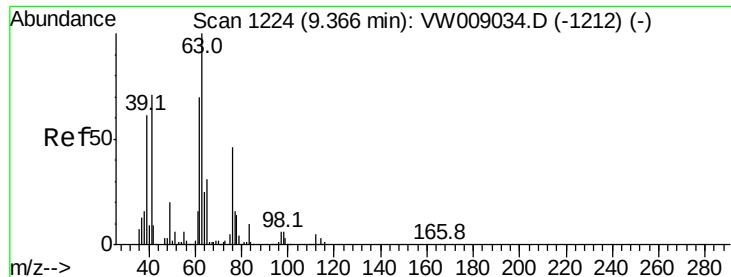
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	130	Resp:	68642
Ion	Ratio	Lower	Upper
130	100		
95	96.2	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.573 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 63 Resp: 61740

Ion Ratio Lower Upper

63 100

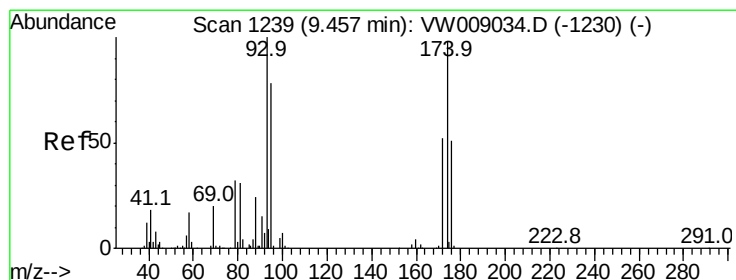
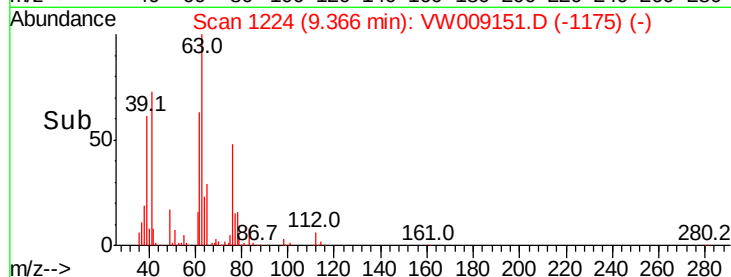
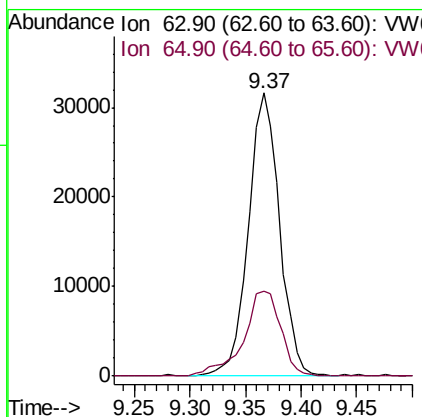
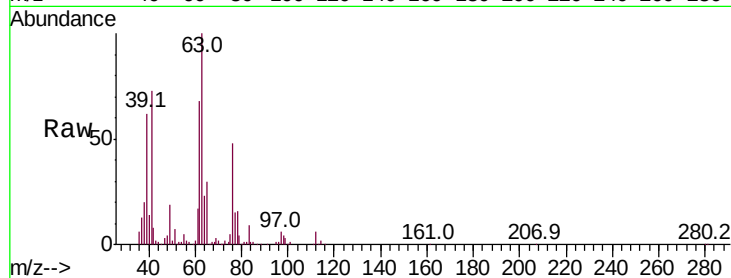
65 29.9 24.9 37.3

Manual Integrations

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#46

Dibromomethane

Concen: 20.501 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

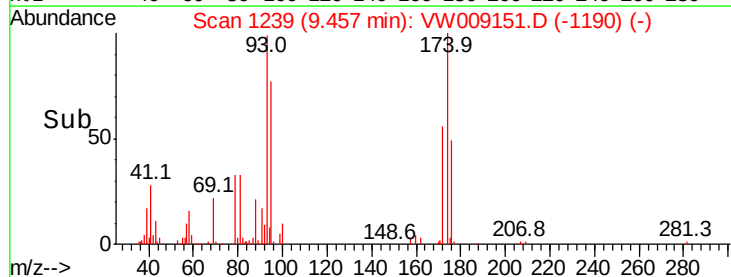
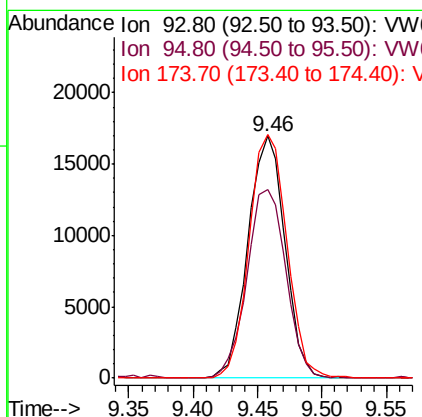
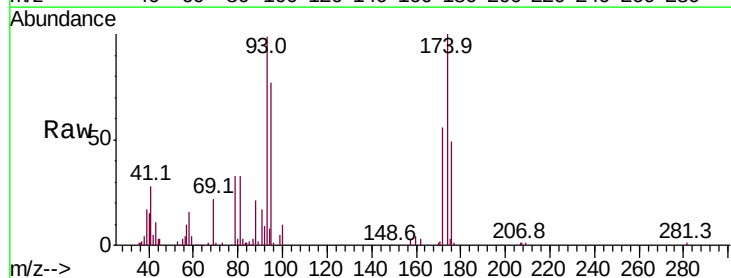
Tgt Ion: 93 Resp: 33600

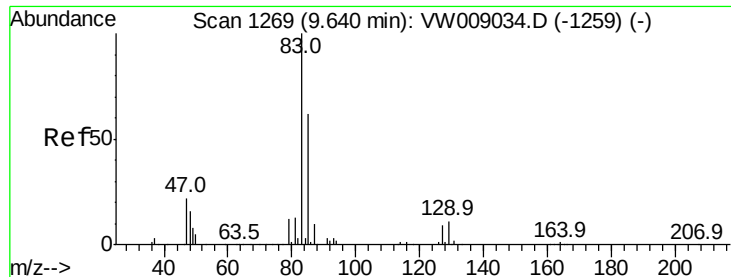
Ion Ratio Lower Upper

93 100

95 82.4 65.0 97.6

174 102.9 81.8 122.6





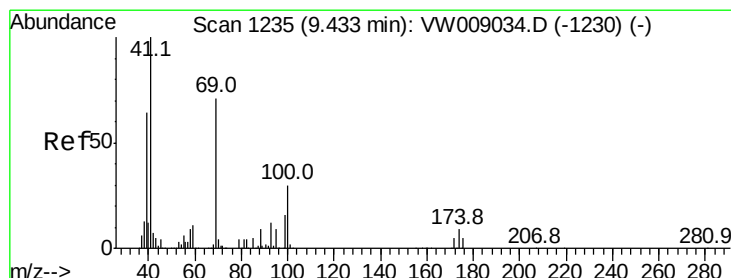
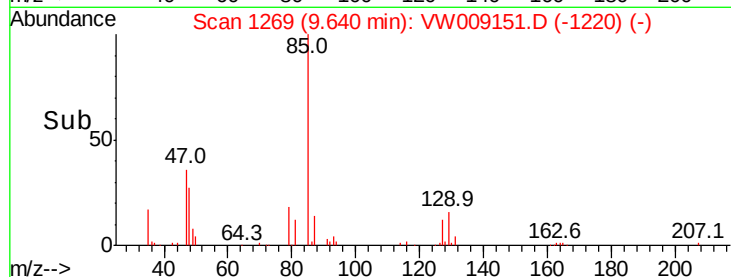
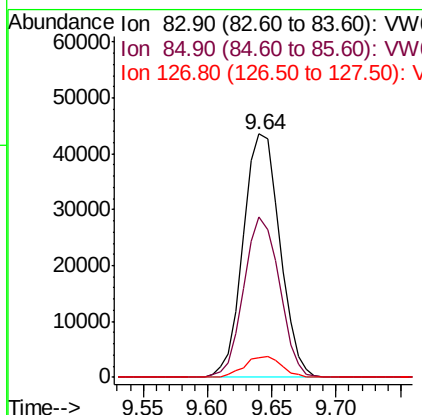
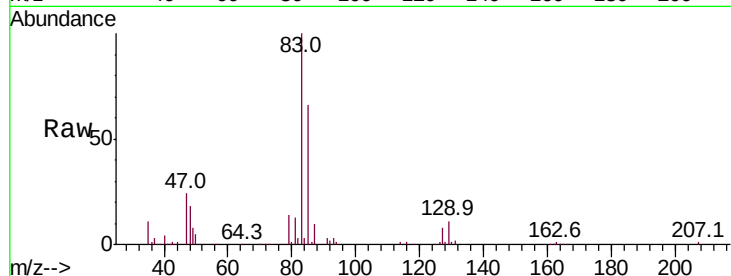
#47
Bromodichloromethane
Concen: 20.733 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	66.0	49.9	74.9	
127	8.2	7.1	10.7	

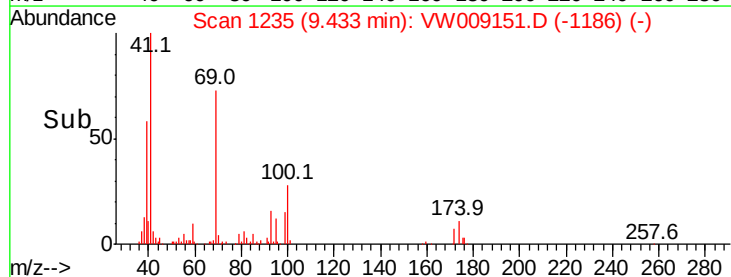
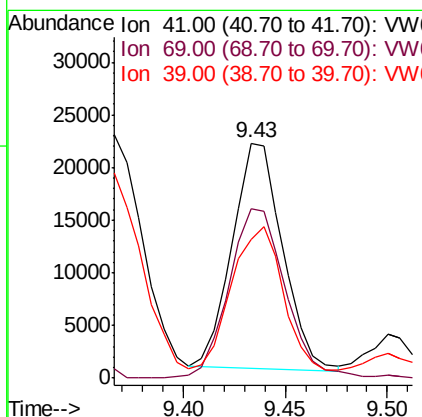
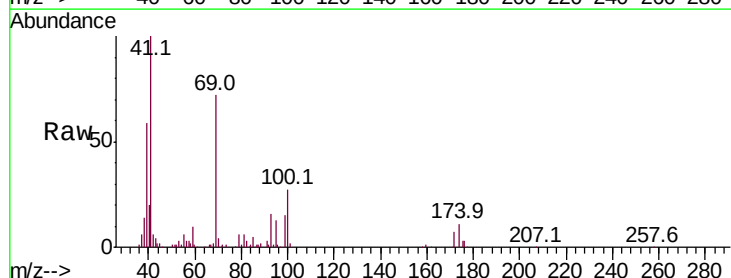
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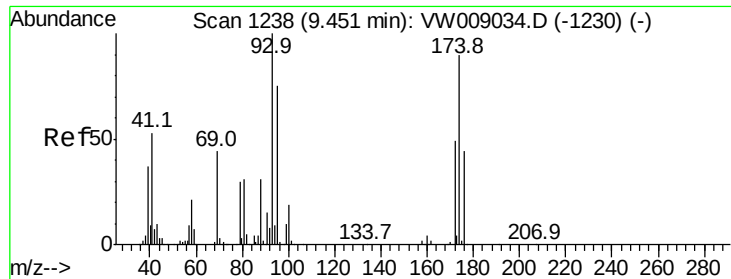
MMDadoda
3/14/2019 3:13:08 PM



#48
Methyl methacrylate
Concen: 20.030 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	84.8	59.1	88.7	
39	65.7	48.9	73.3	





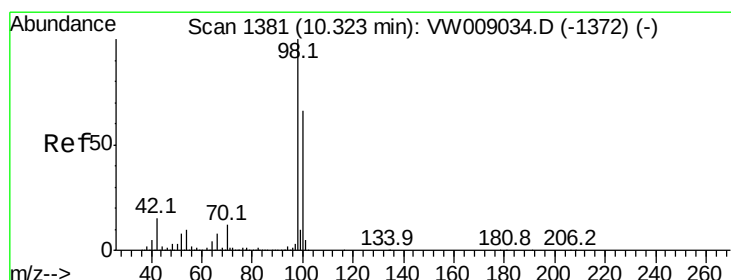
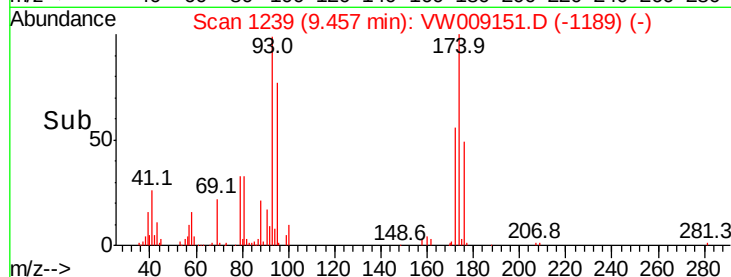
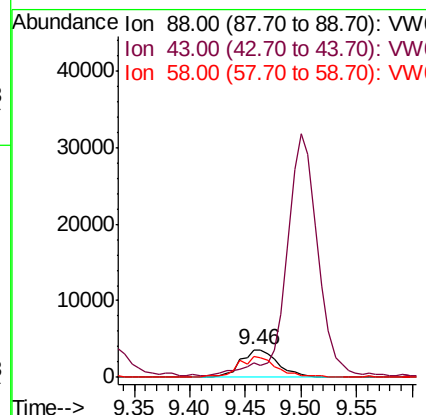
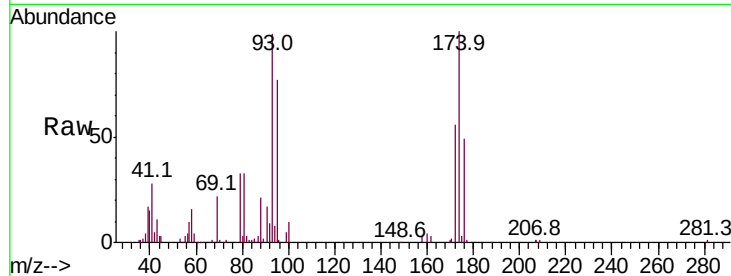
#49
1,4-Dioxane
Concen: 359.360 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	88	Resp	8434
Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	78.2	59.2	88.8

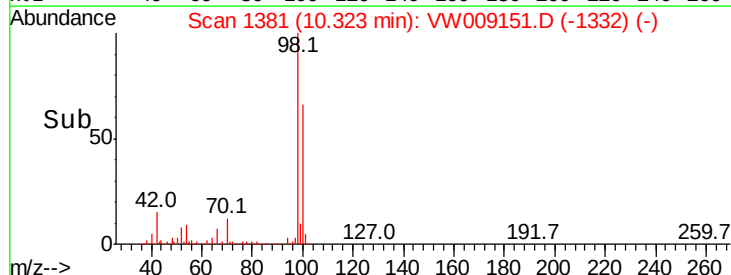
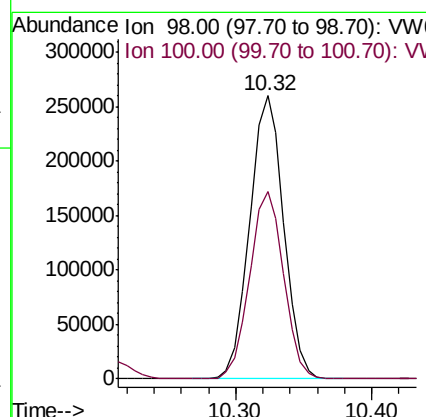
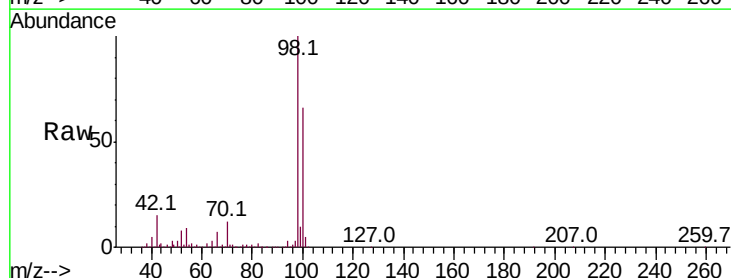
Manual Integrations
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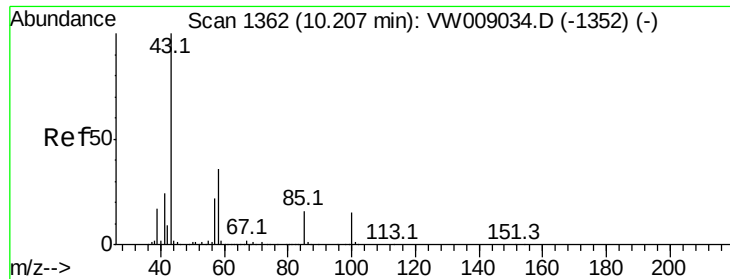
MMDadoda
3/14/2019 3:13:08 PM



#50
Toluene-d8
Concen: 42.964 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	98	Resp	456088
Ion	Ratio	Lower	Upper
98	100		
100	66.2	51.9	77.9





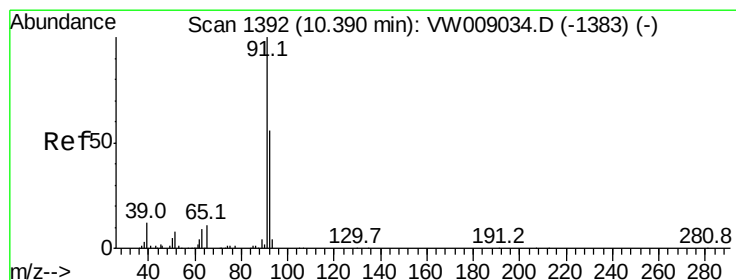
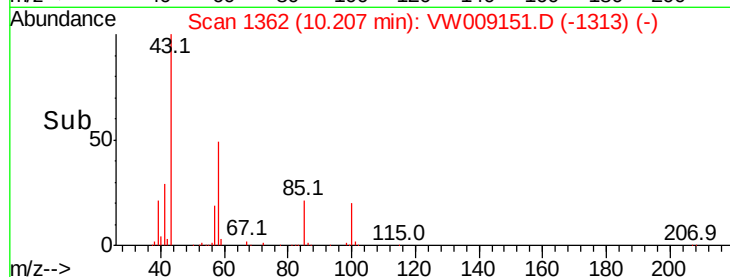
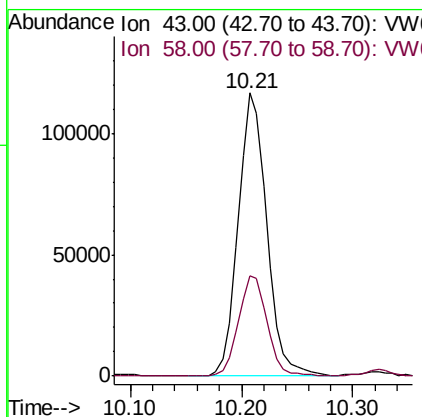
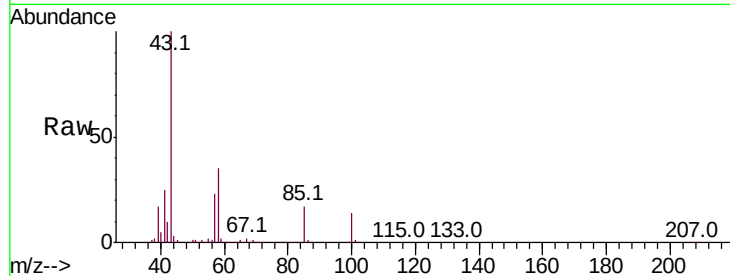
#51
4-Methyl-2-Pentanone
Concen: 104.050 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	43	58	Ratio	100	35.6	Resp	207421	Lower	28.8	Upper	43.2
Ion	43	58	Ratio	100	35.6	Resp	207421	Lower	28.8	Upper	43.2

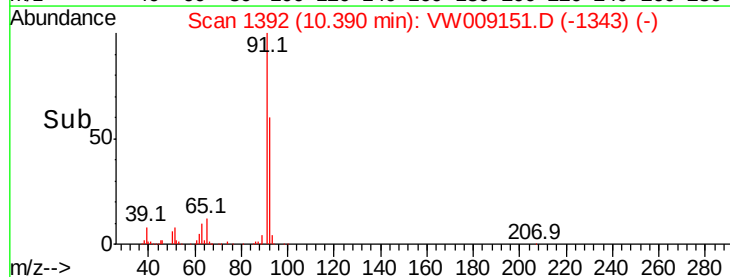
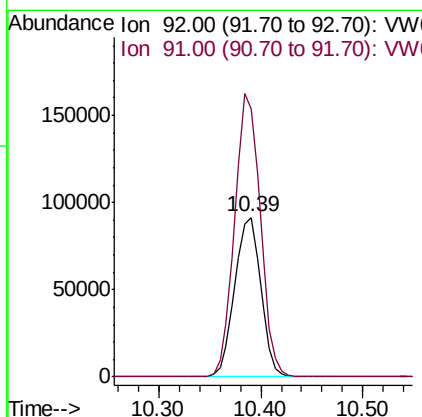
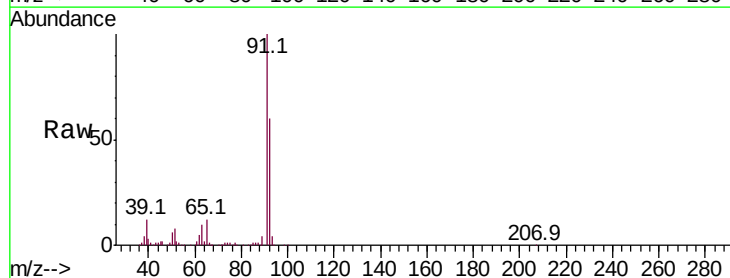
Manual Integrations
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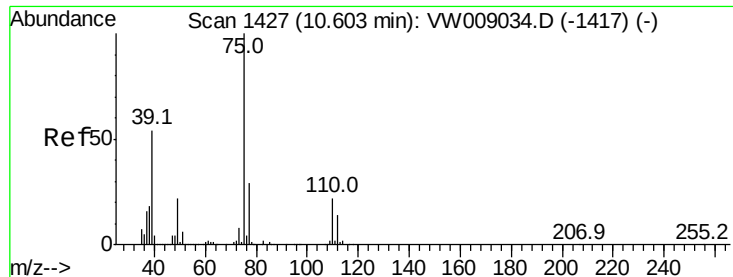
MMDadoda
3/14/2019 3:13:08 PM



#52
Toluene
Concen: 19.912 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	92	91	Ratio	100	174.5	Resp	161810	Lower	139.9	Upper	209.9
Ion	92	91	Ratio	100	174.5	Resp	161810	Lower	139.9	Upper	209.9





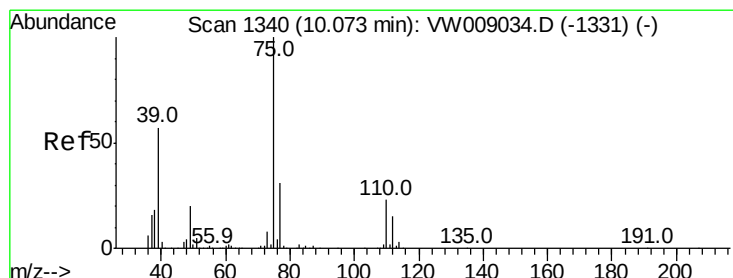
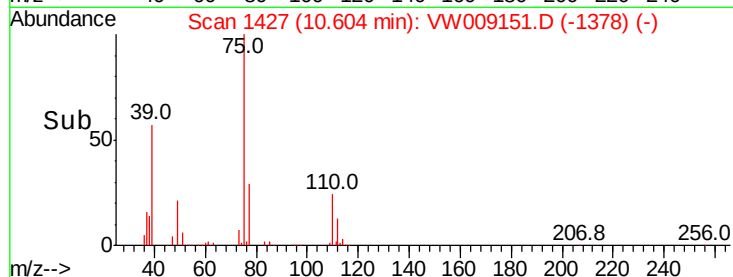
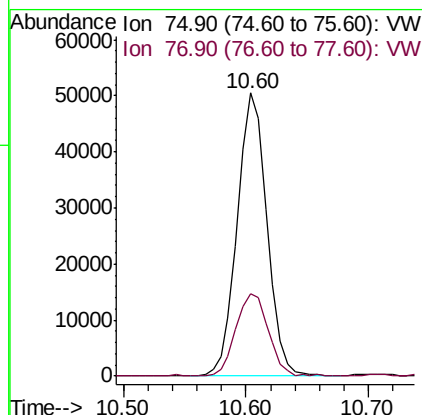
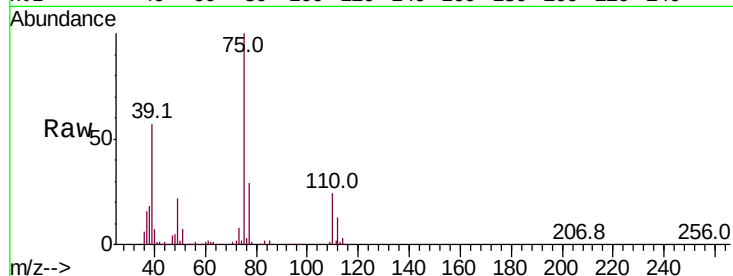
#53
t-1,3-Dichloropropene
Concen: 20.693 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	23.6	35.4

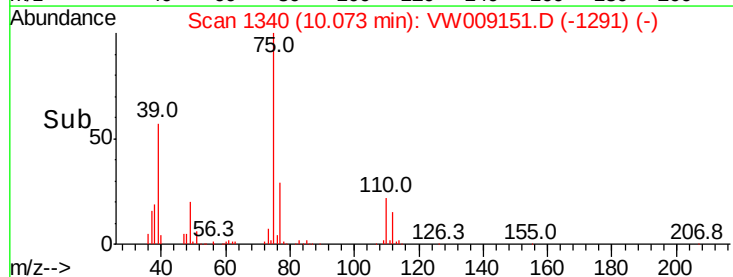
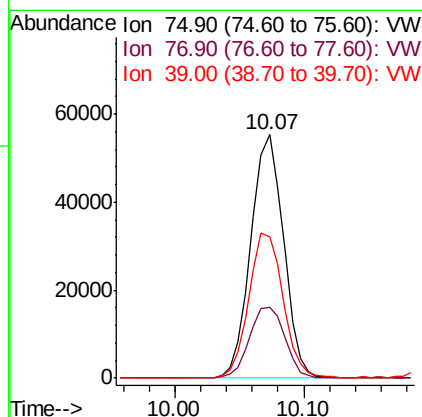
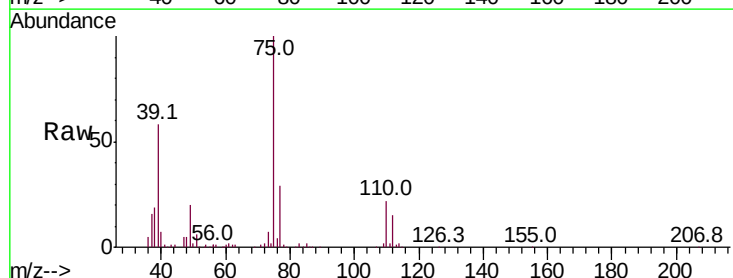
Manual Integrations
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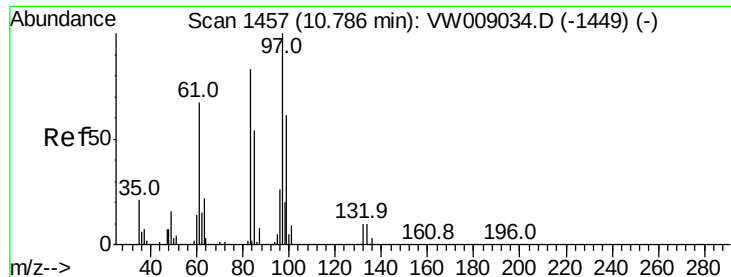
MMDadoda
3/14/2019 3:13:08 PM



#54
cis-1,3-Dichloropropene
Concen: 20.617 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.6	36.8
39	57.8	45.9	68.9





#55

1,1,2-Trichloroethane

Concen: 21.476 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

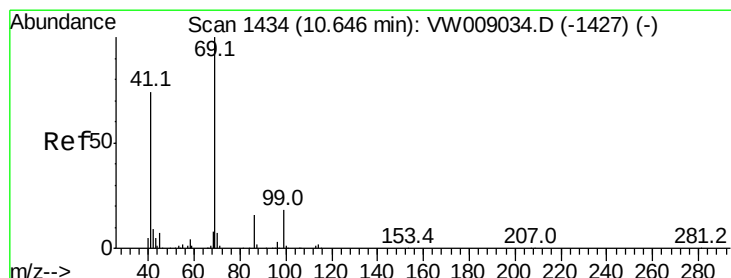
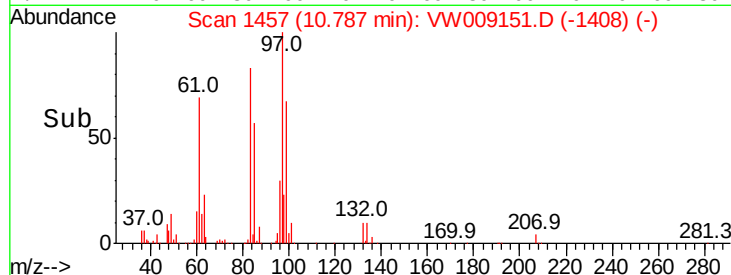
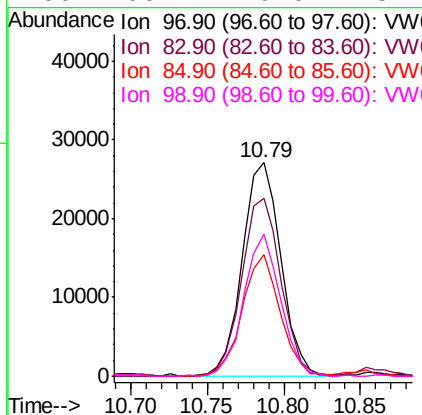
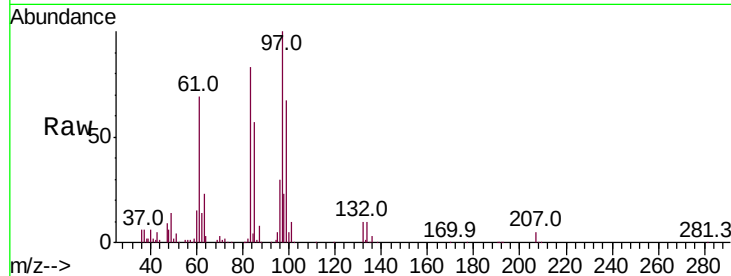
ClientSampleId :

VW0312SBSD03

Tot Ion	97	Resp	47706
Ion	Ratio	Lower	Upper
97	100		
83	83.2	66.2	99.2
85	56.8	43.6	65.4
99	66.7	49.0	73.4

Manual Integrations
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#56

Ethyl methacrylate

Concen: 20.098 ug/l

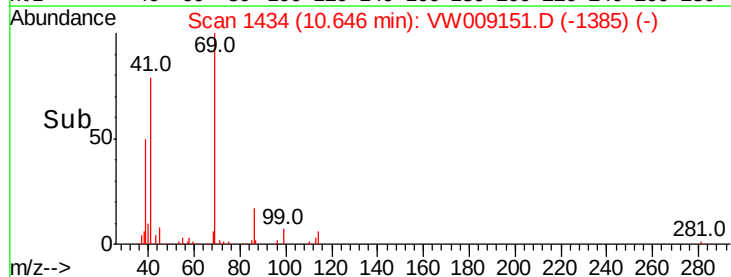
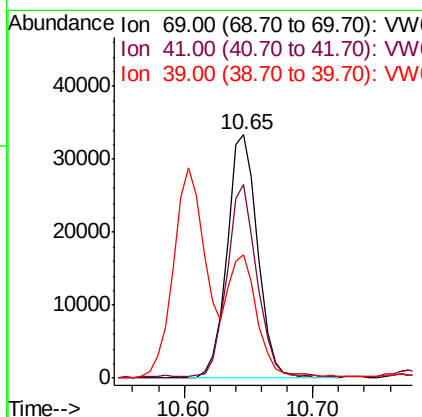
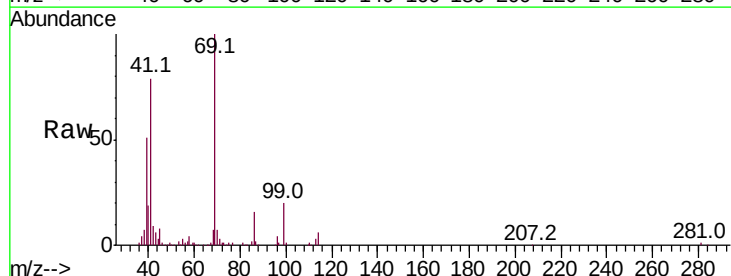
RT: 10.65 min Scan# 1434

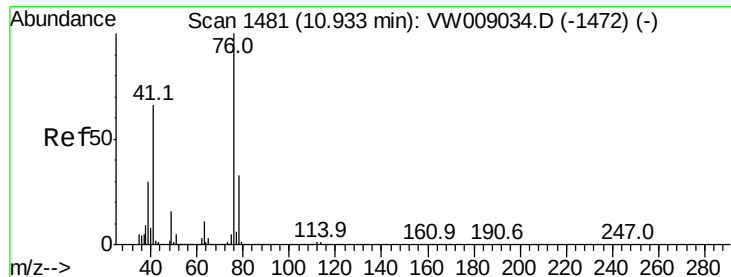
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion	69	Resp	55408
Ion	Ratio	Lower	Upper
69	100		
41	77.8	59.4	89.2
39	46.6	38.5	57.7





#57

1,3-Dichloropropane

Concen: 20.743 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 76 Resp: 81628

Ion Ratio Lower Upper

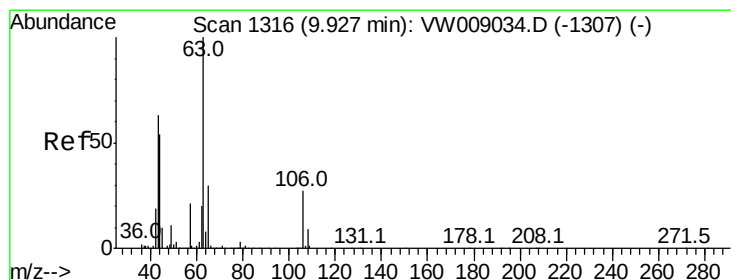
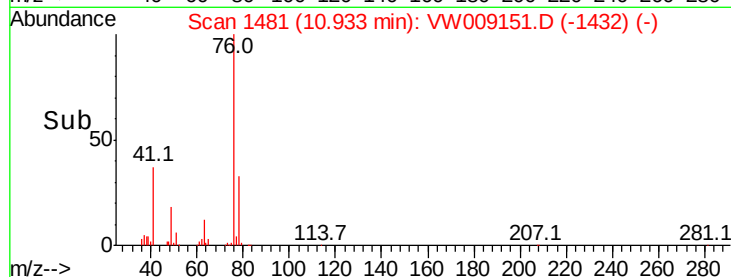
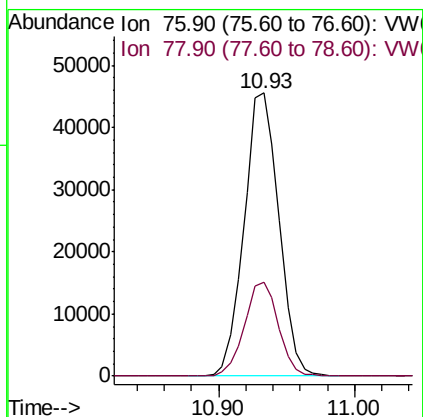
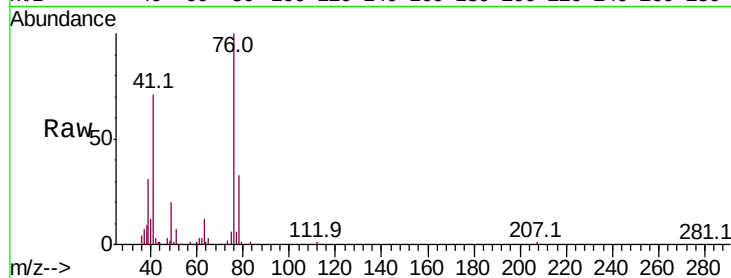
76 100

78 32.5 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 105.175 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009151.D

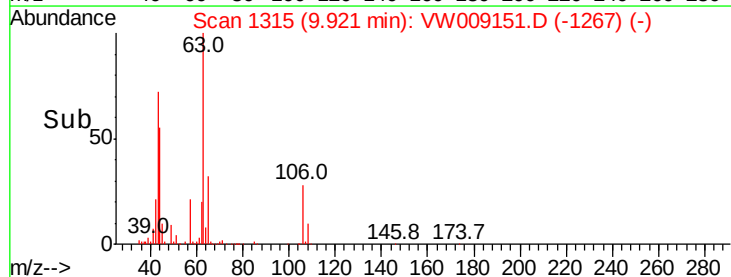
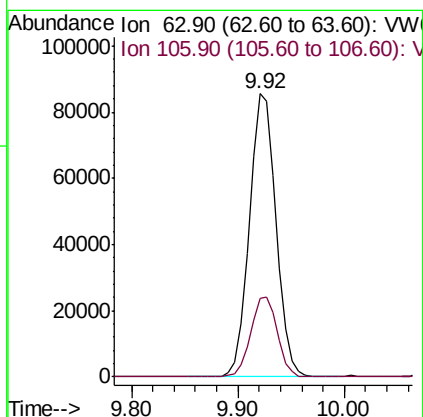
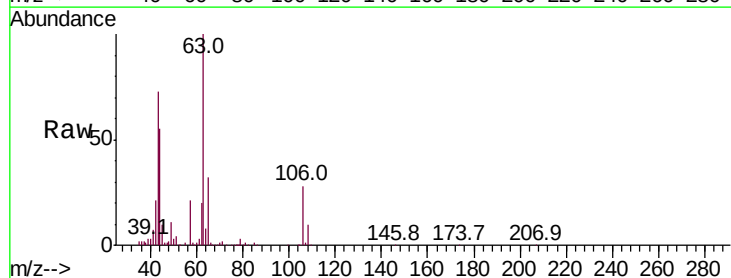
Acq: 13 Mar 2019 12:15

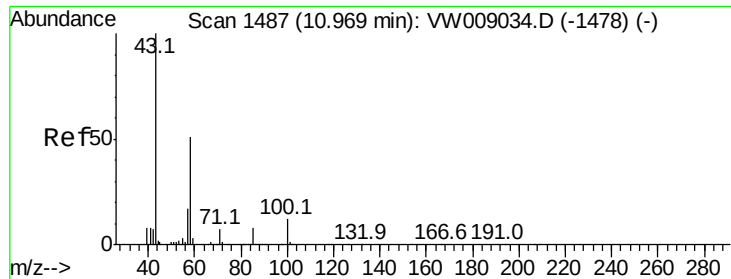
Tgt Ion: 63 Resp: 150319

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





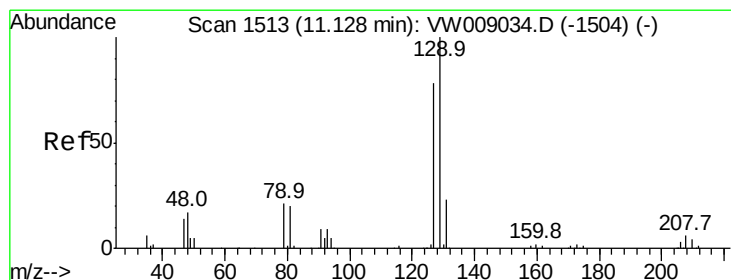
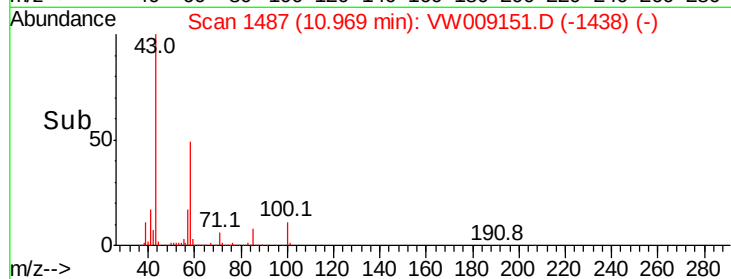
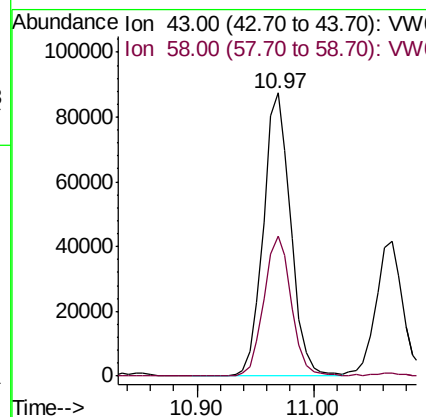
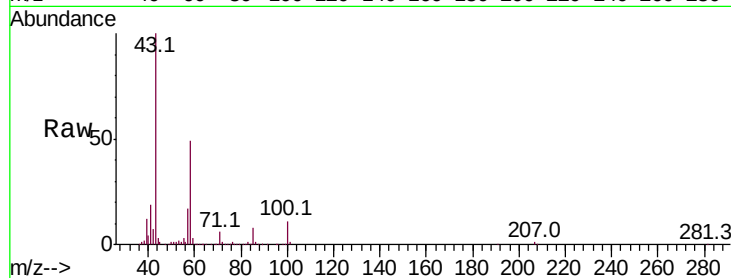
#59
2-Hexanone
Concen: 101.992 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.7	25.3	75.9

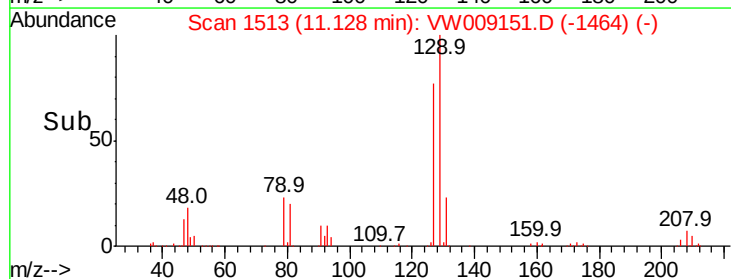
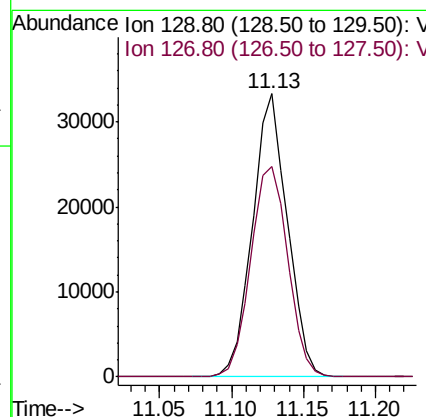
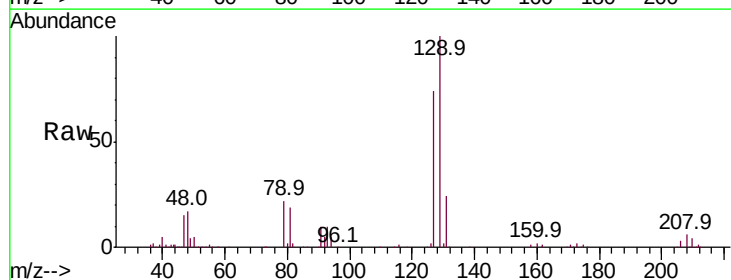
Manual Integrations
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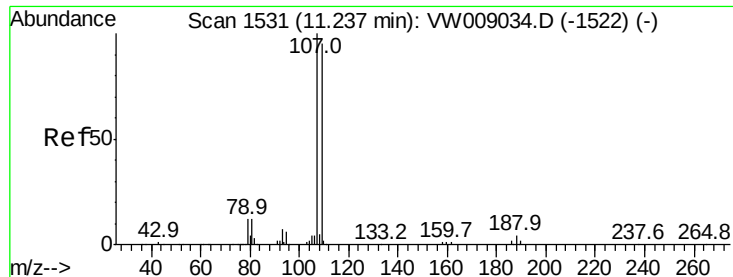
MMDadoda
3/14/2019 3:13:08 PM



#60
Dibromochloromethane
Concen: 20.202 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.3	38.4	115.1





#61

1,2-Dibromoethane

Concen: 20.151 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion:107 Resp: 43883

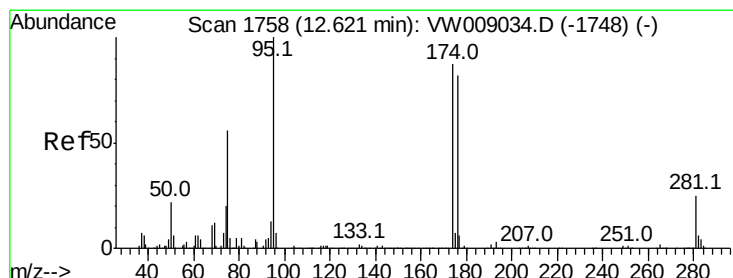
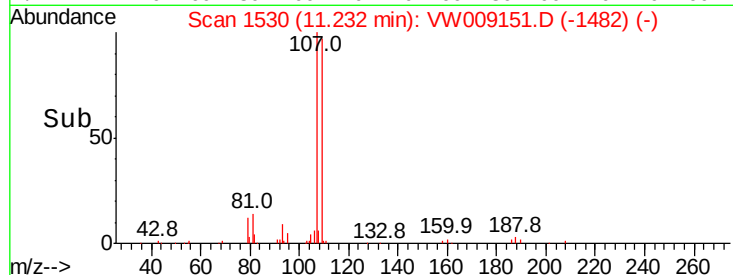
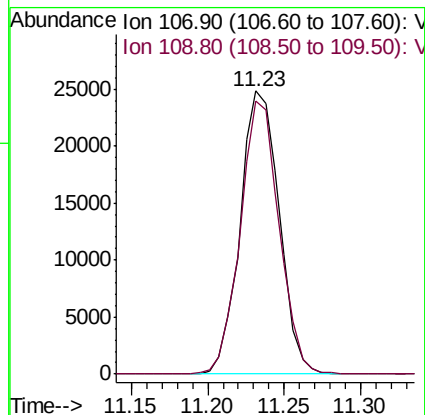
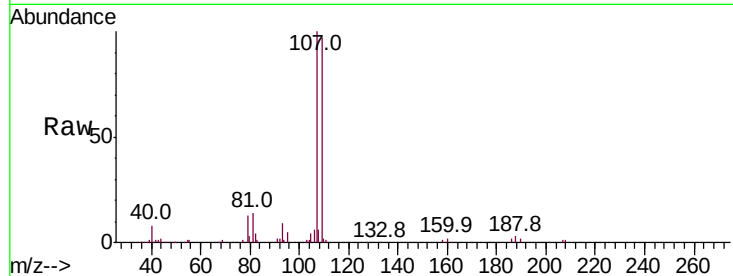
Ion Ratio Lower Upper

107 100

109 96.4 74.7 112.1

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 41.795 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

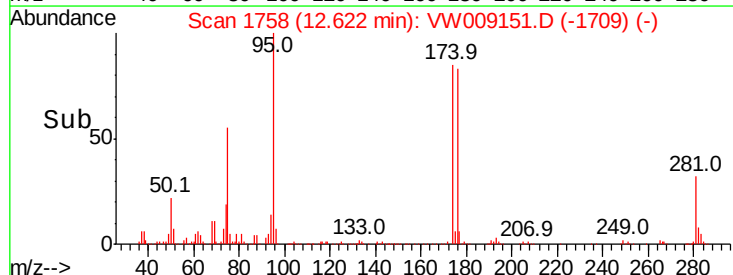
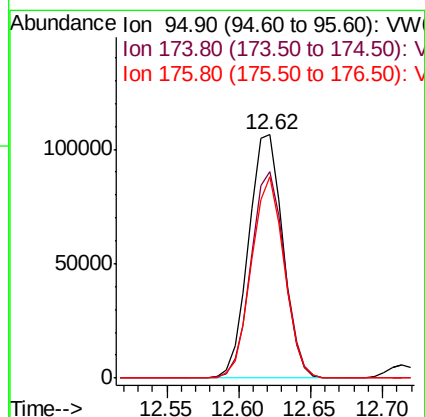
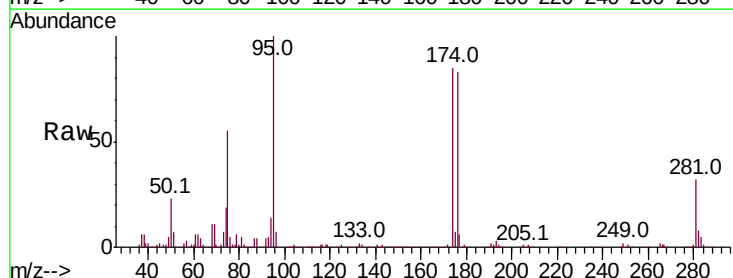
Tgt Ion: 95 Resp: 174658

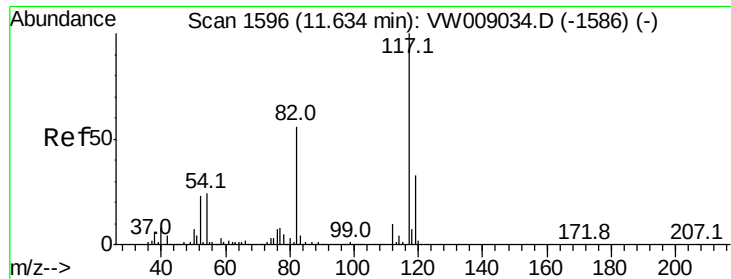
Ion Ratio Lower Upper

95 100

174 83.1 0.0 167.0

176 79.5 0.0 159.4





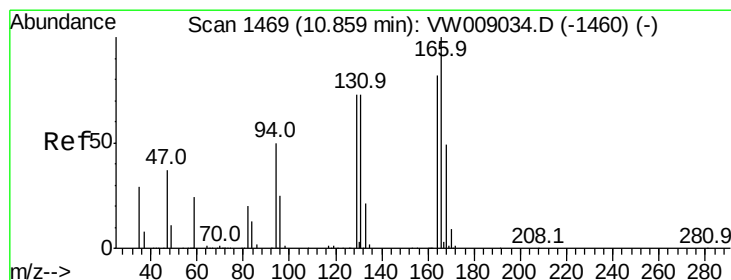
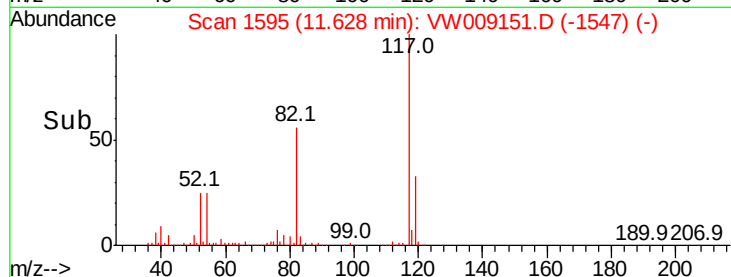
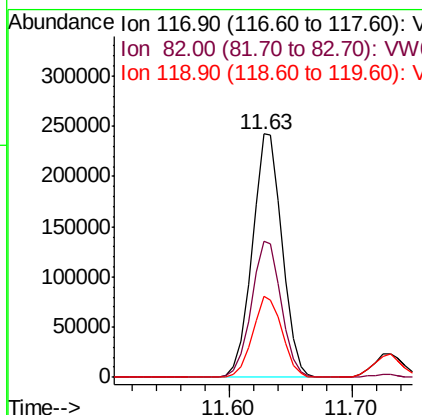
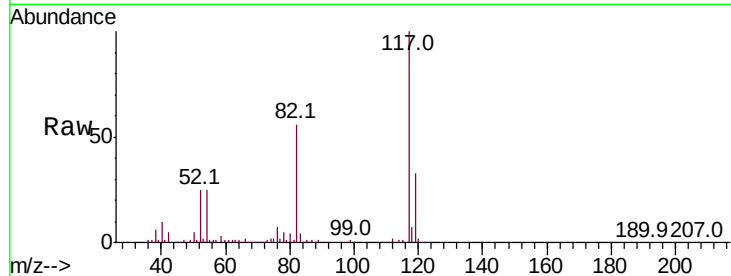
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
117	100	410887		
82	56.0	45.0	67.6	
119	33.3	26.6	39.8	

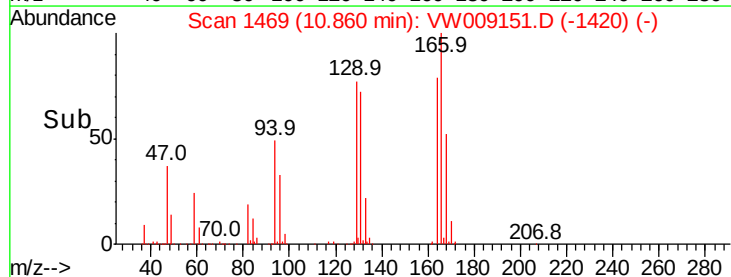
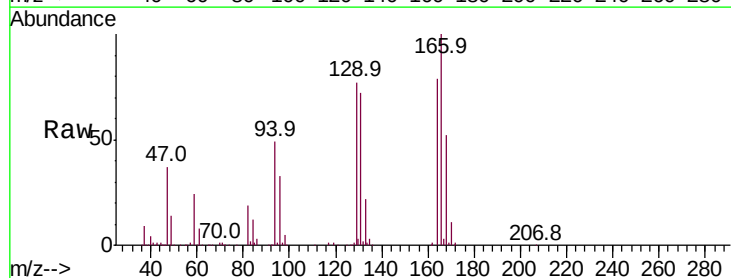
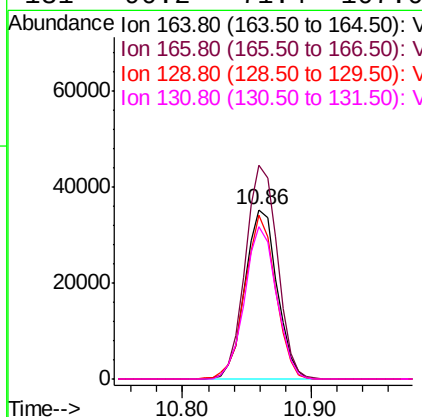
Manual Integrations
APPROVED

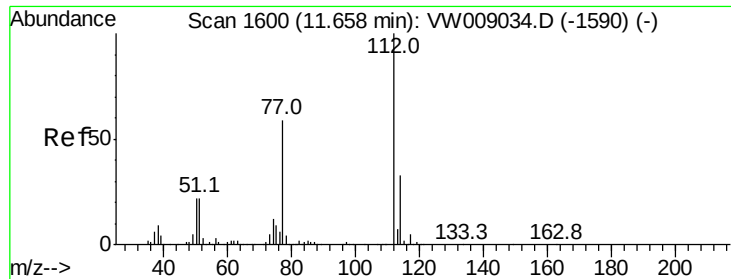
MMDadoda
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#64
Tetrachloroethene
Concen: 20.431 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	60541		
166	126.1	97.8	146.6	
129	96.5	71.6	107.4	
131	90.2	71.4	107.0	





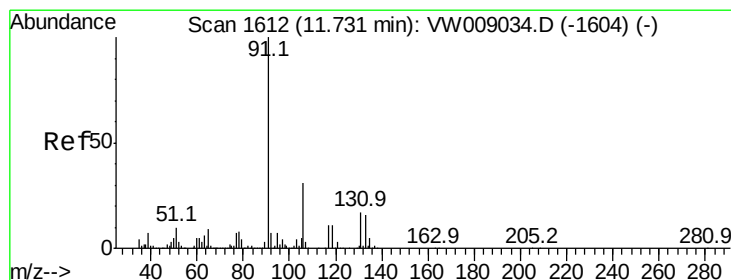
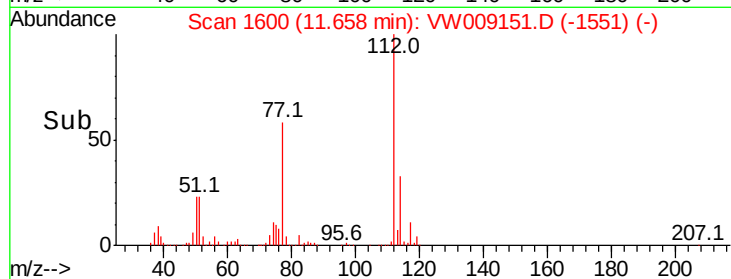
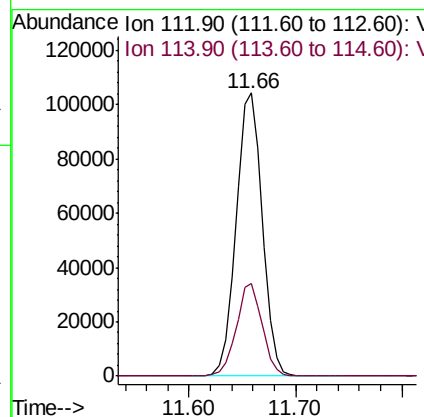
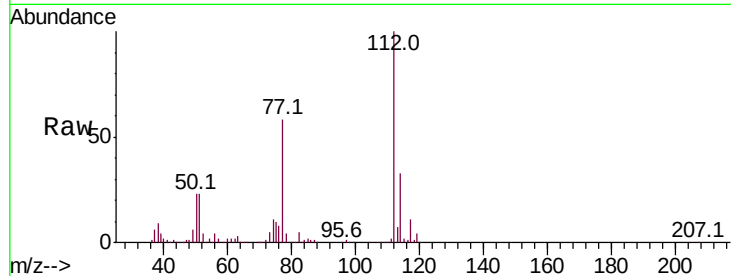
#65
Chlorobenzene
Concen: 20.075 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
112	100	179542		
114	32.9	26.6	40.0	

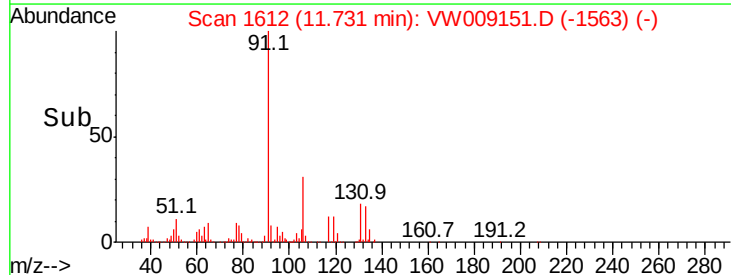
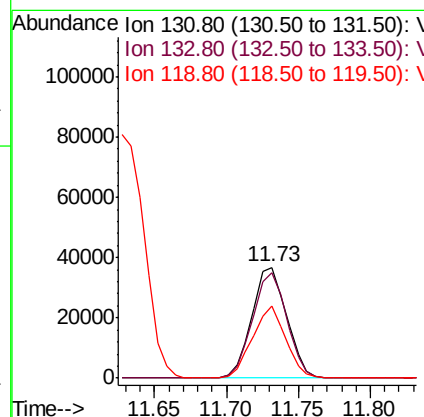
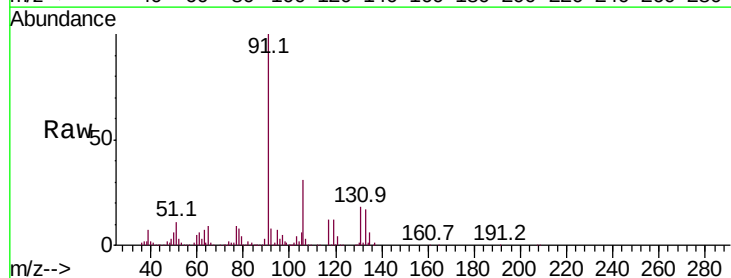
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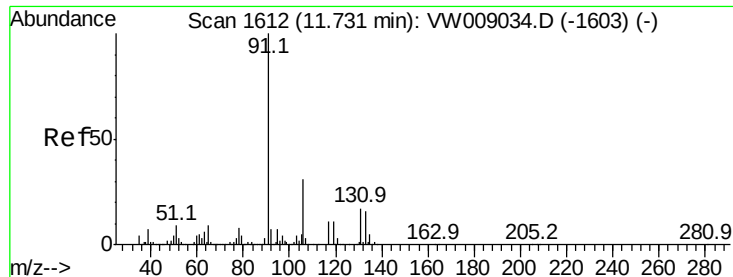
MMDadoda
3/14/2019 3:13:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.586 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	61475		
133	94.0	47.6	142.8	
119	62.4	31.3	93.8	





#67

Ethyl Benzene

Concen: 20.026 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 91 Resp: 323556

Ion Ratio Lower Upper

91 100

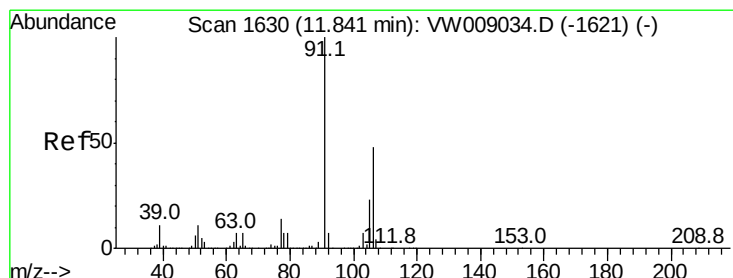
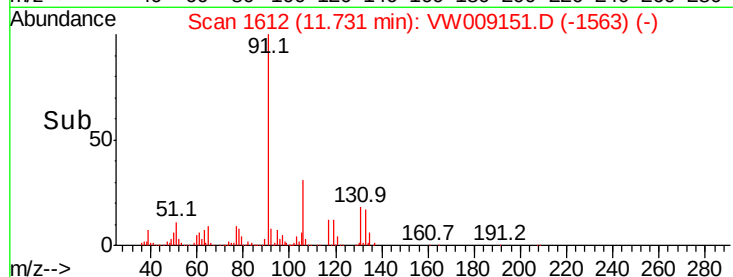
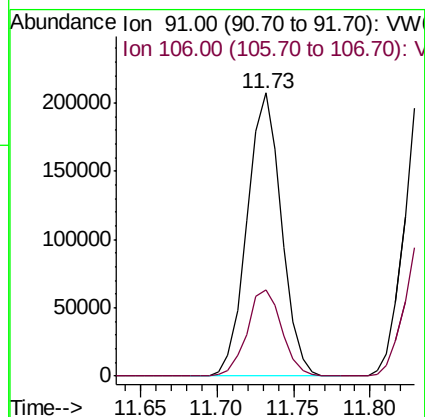
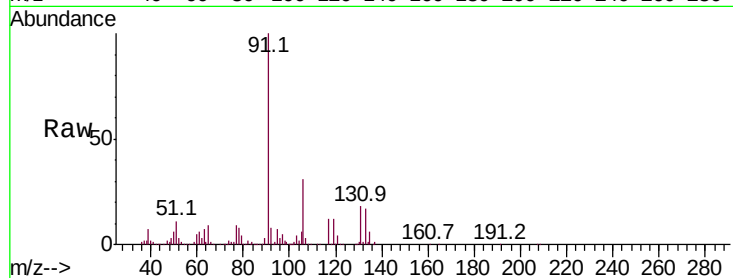
106 30.7 25.0 37.4

Manual Integrations

APPROVED

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3/14/2019 3:13:08 PM



#68

m/p-Xylenes

Concen: 39.694 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009151.D

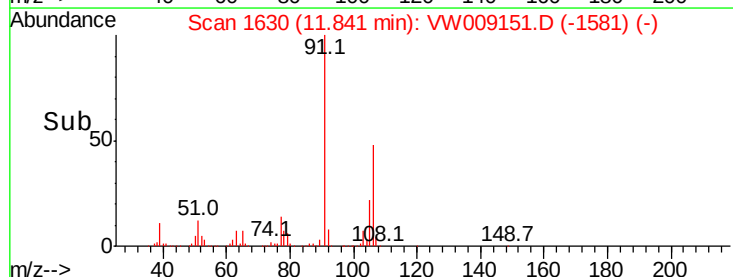
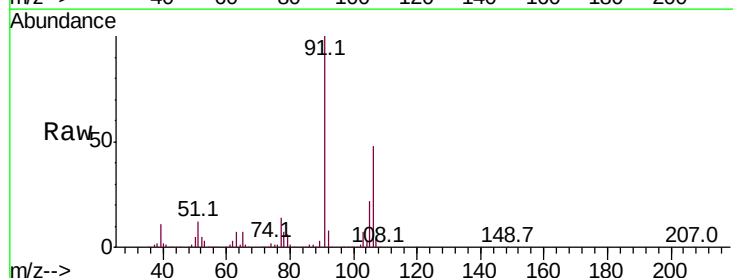
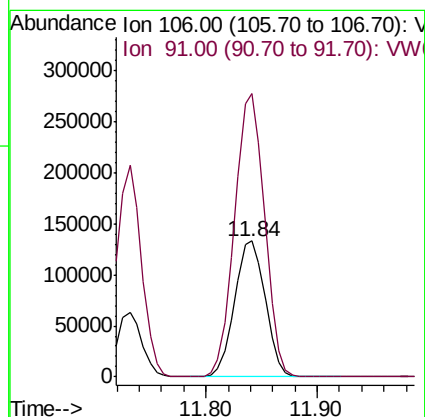
Acq: 13 Mar 2019 12:15

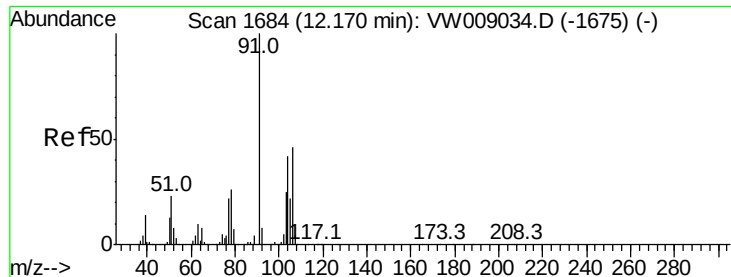
Tgt Ion: 106 Resp: 253143

Ion Ratio Lower Upper

106 100

91 205.0 163.2 244.8





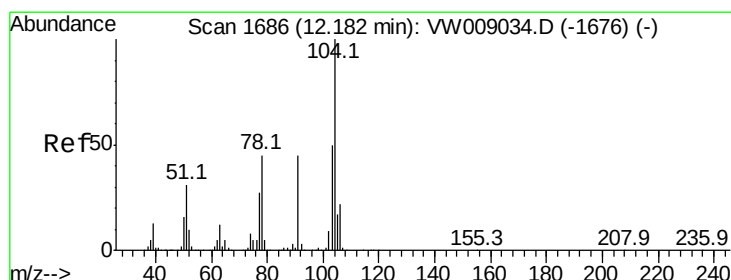
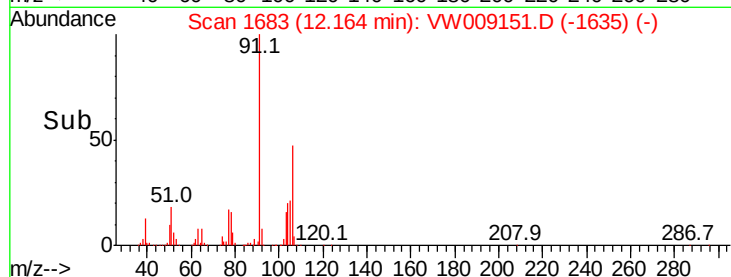
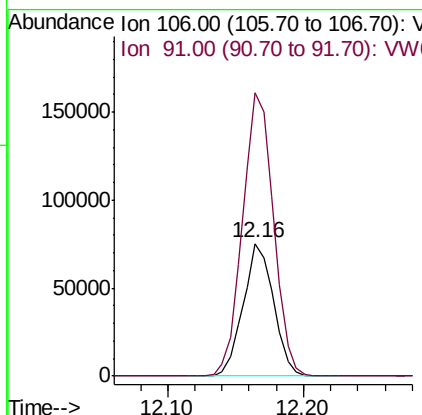
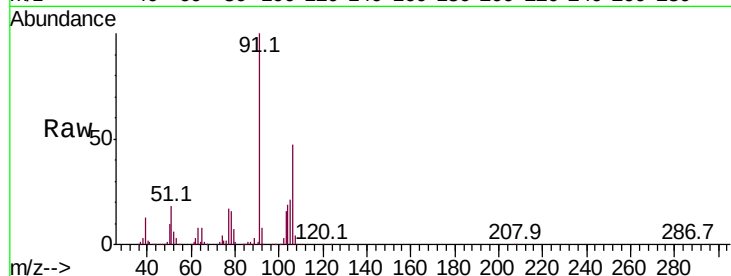
#69
o-Xylene
Concen: 19.829 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion:106 Resp: 117660
Ion Ratio Lower Upper
106 100
91 218.3 108.6 325.6

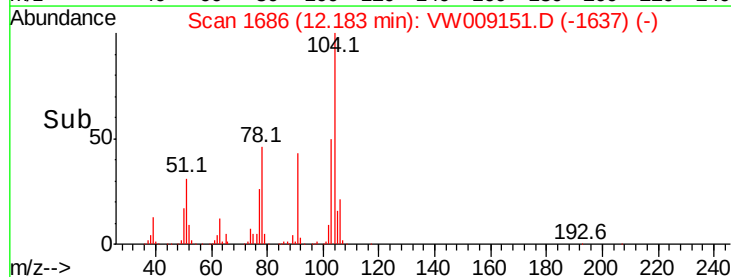
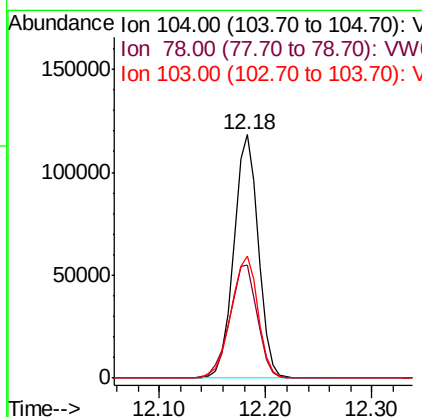
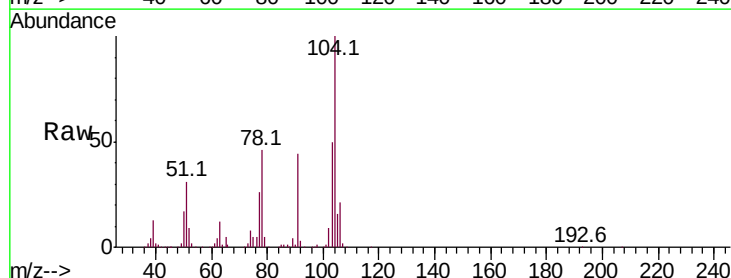
Manual Integrations
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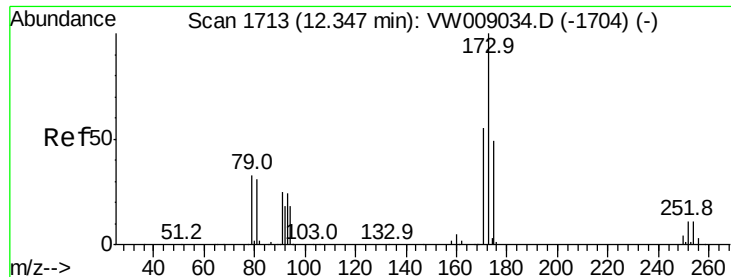
MMDadoda
3/14/2019 3:13:08 PM



#70
Styrene
Concen: 19.878 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion:104 Resp: 190839
Ion Ratio Lower Upper
104 100
78 52.3 42.1 63.1
103 55.0 43.9 65.9





#71

Bromoform

Concen: 20.086 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion:173 Resp: 32206

Ion Ratio Lower Upper

173 100

175 48.6 24.6 74.0

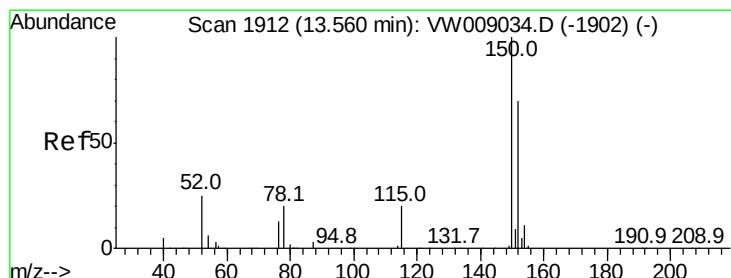
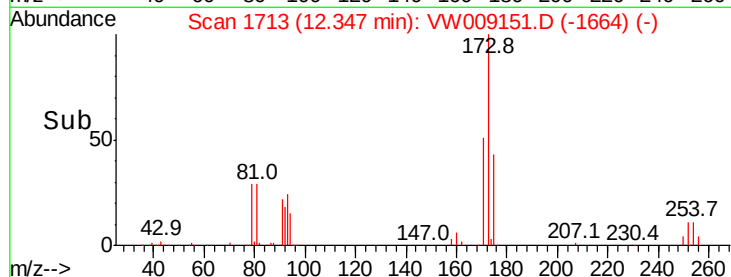
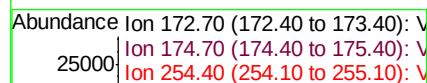
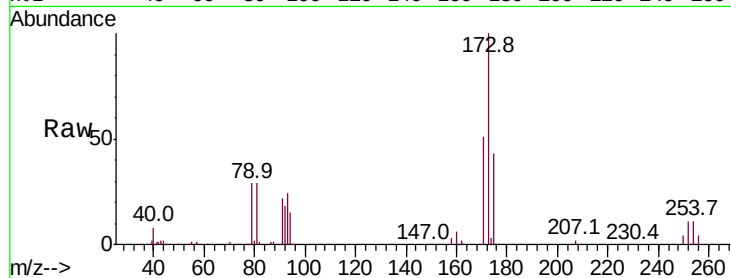
254 0.0 0.0 0.0

Manual Integrations

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

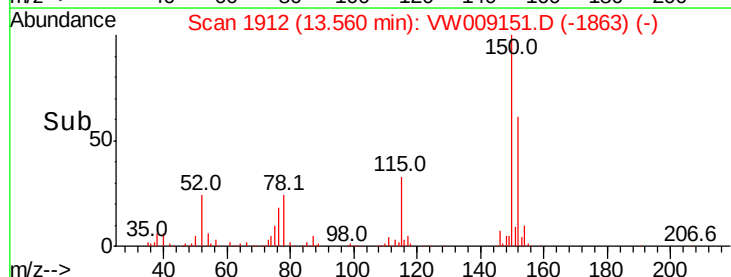
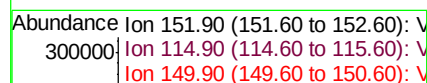
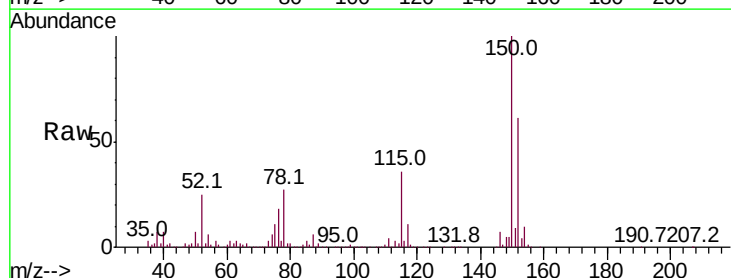
Tgt Ion:152 Resp: 222486

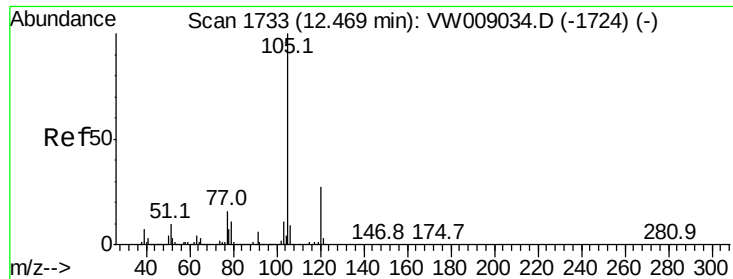
Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 164.9 0.0 349.2





#73

Isopropylbenzene

Concen: 20.209 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion:105 Resp: 321974

Ion Ratio Lower Upper

105 100

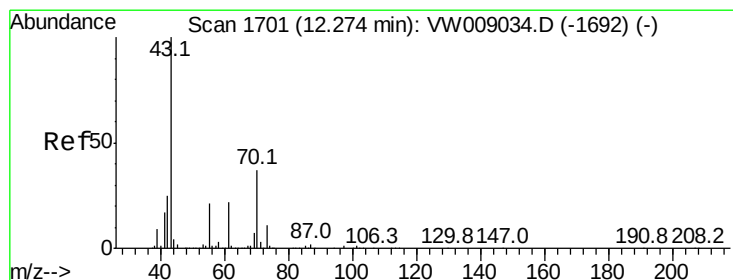
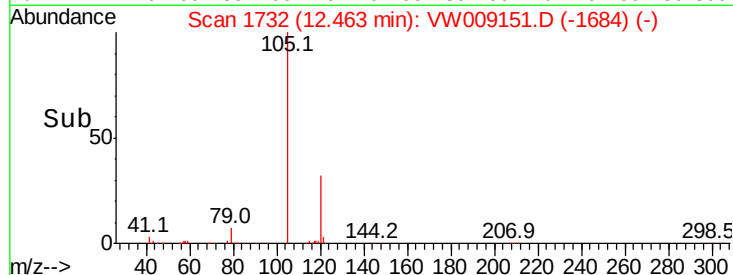
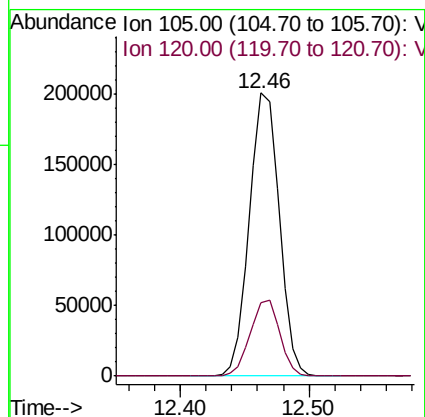
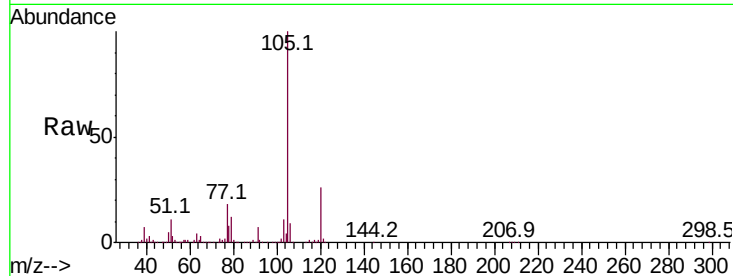
120 26.6 13.2 39.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.869 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion: 43 Resp: 78712

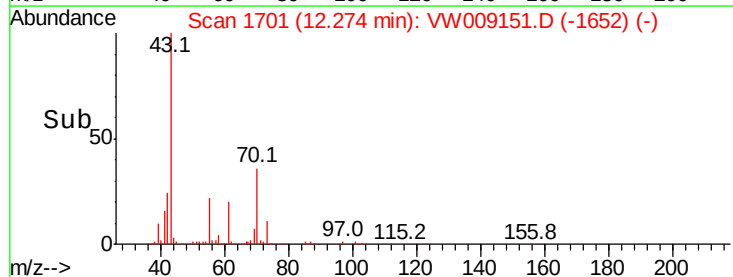
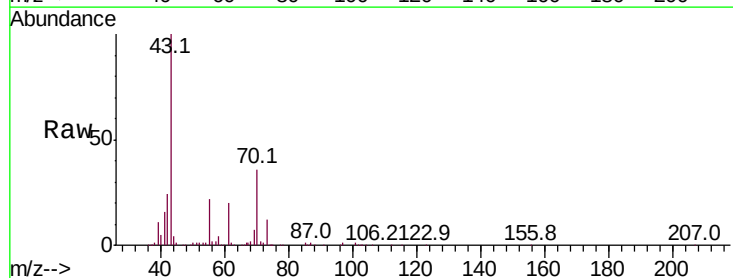
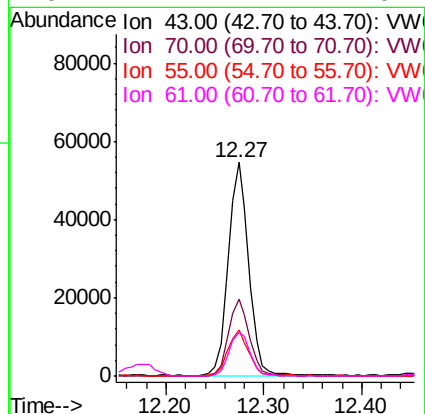
Ion Ratio Lower Upper

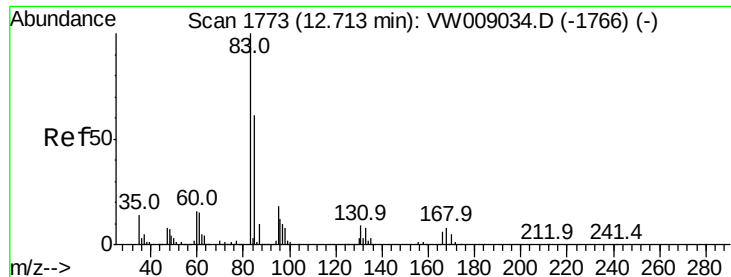
43 100

70 36.8 30.8 46.2

55 22.2 17.8 26.8

61 21.1 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.400 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

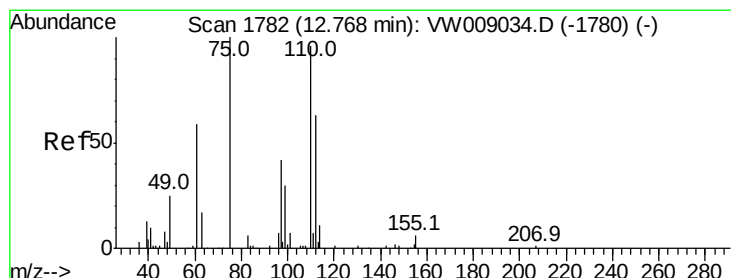
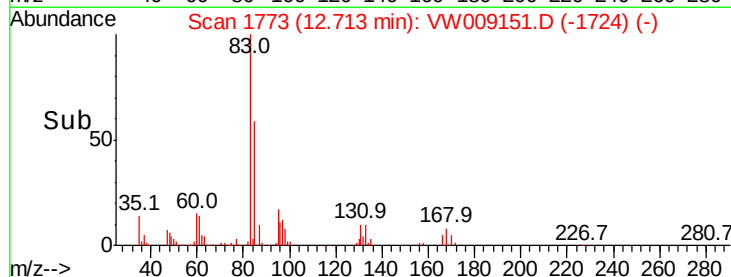
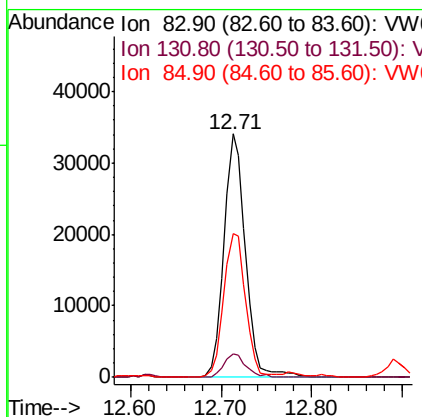
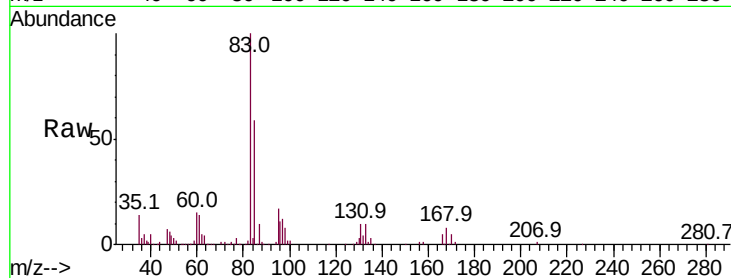
ClientSampleId :

VW0312SBSD03

Tot Ion:	83	Resp:	56296
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.5	16.7
85	60.2	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.587 ug/l m

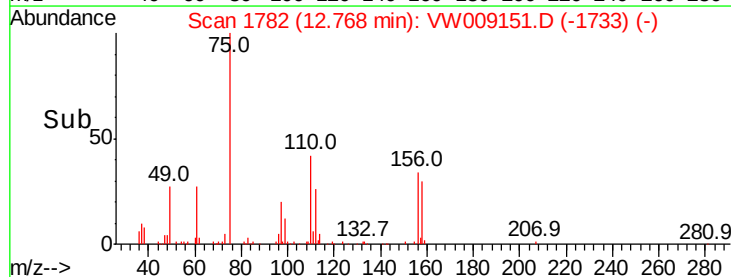
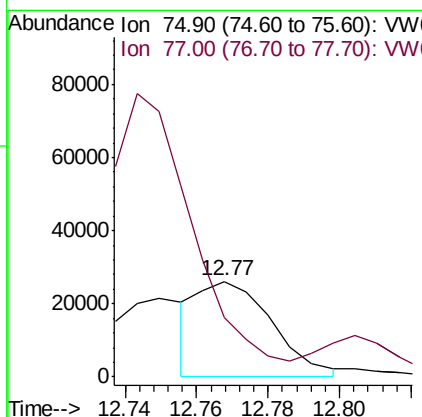
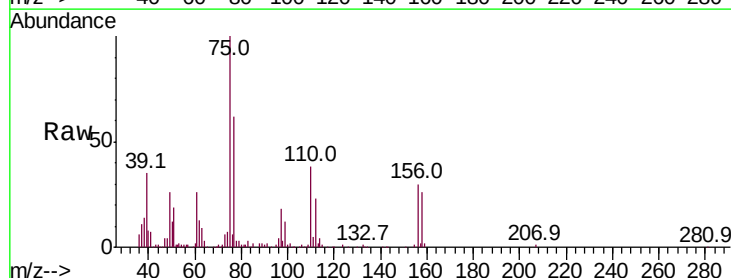
RT: 12.77 min Scan# 1782

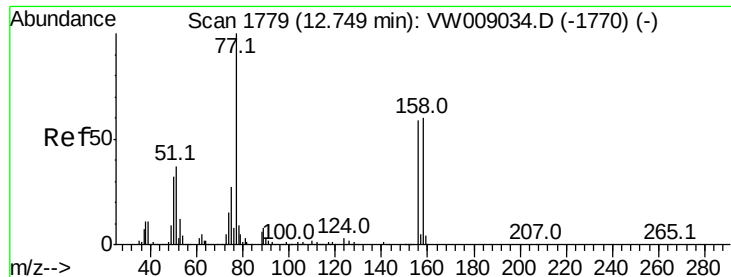
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	75	Resp:	37946
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





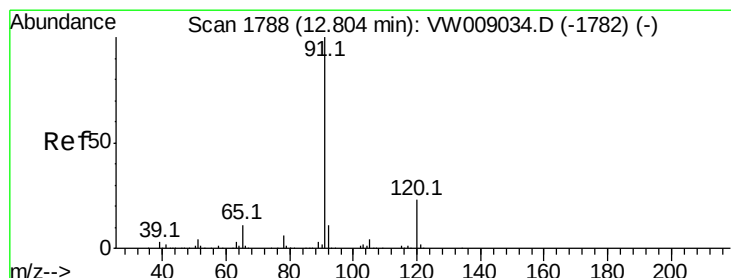
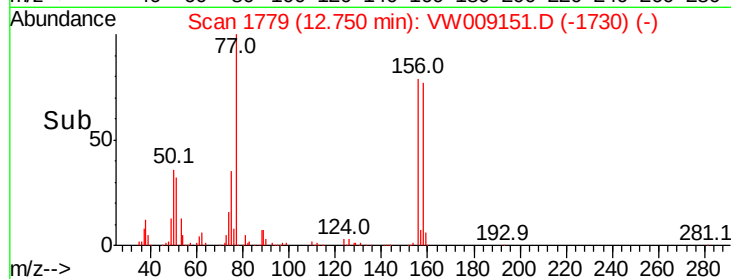
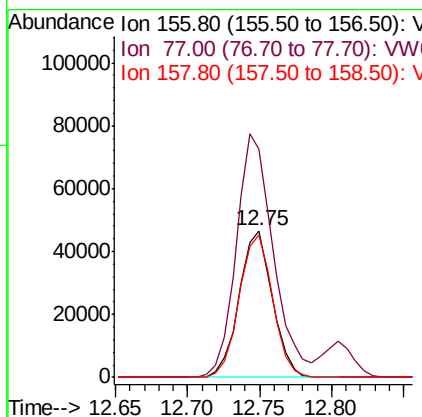
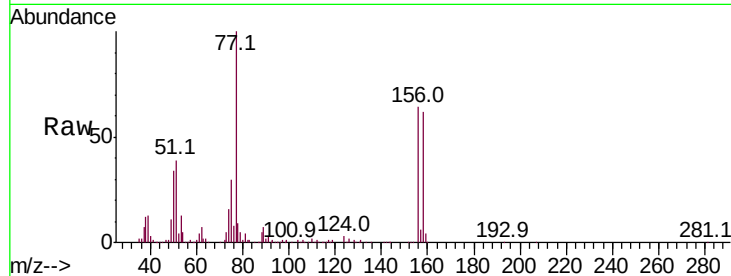
#77
Bromobenzene
Concen: 20.451 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
156	100		
77	185.8	93.0	279.2
158	98.0	50.0	149.8

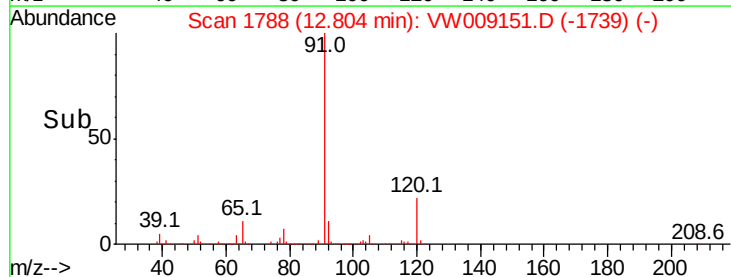
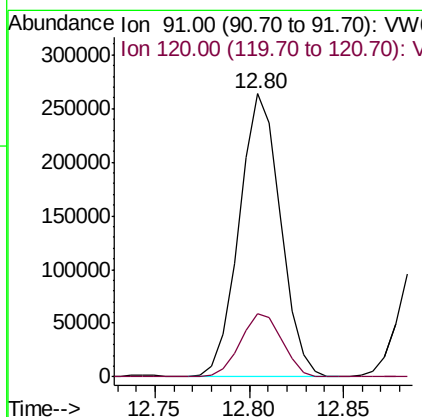
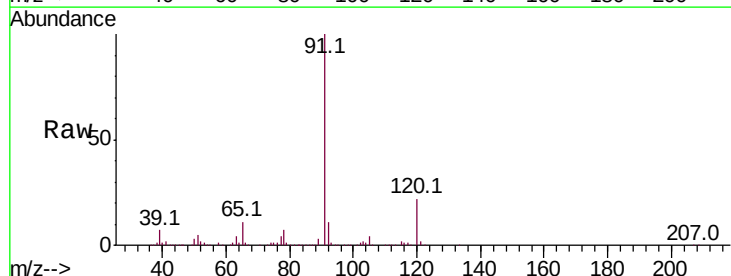
Manual Integrations
APPROVED

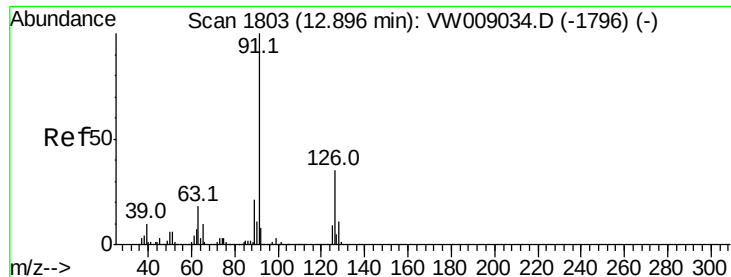
MMDadoda
3/14/2019 3:13:08 PM



#78
n-propylbenzene
Concen: 20.382 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.4	34.2





#79

2-Chlorotoluene

Concen: 20.686 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.01 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD03

Tot Ion: 91 Resp: 228090

Ion Ratio Lower Upper

91 100

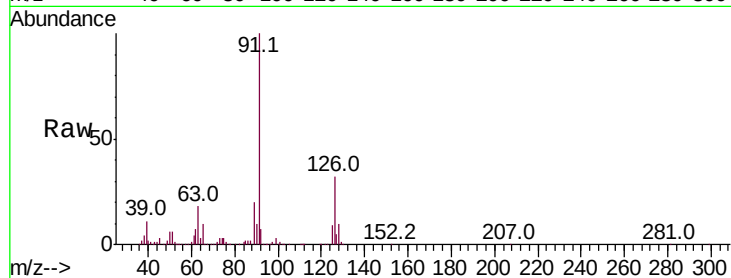
126 34.1 16.8 50.4

Manual Integrations

APPROVED

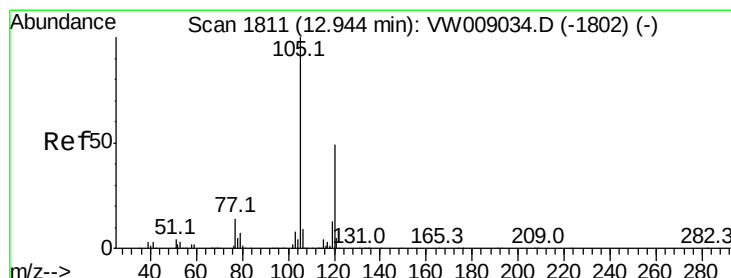
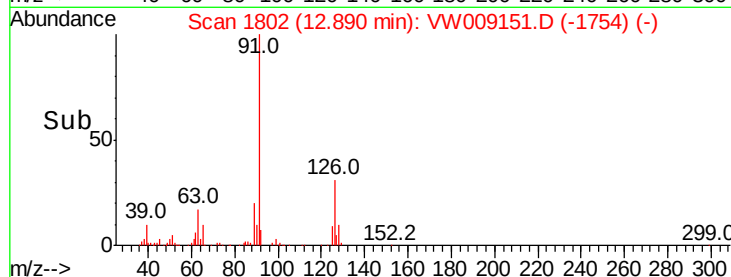
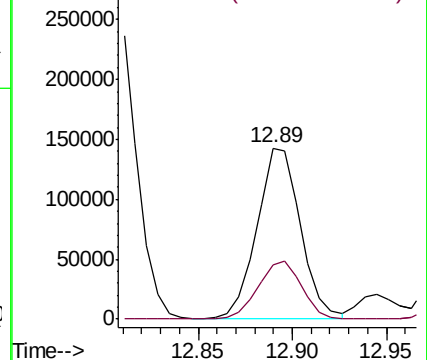
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.660 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009151.D

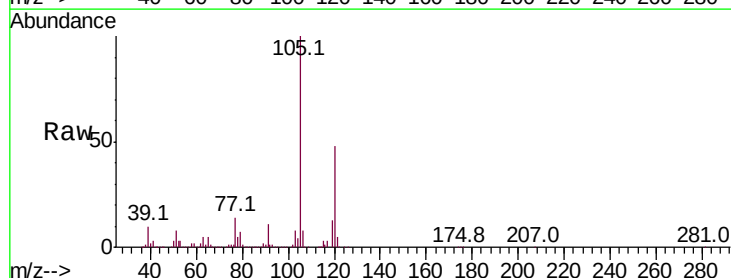
Acq: 13 Mar 2019 12:15

Tgt Ion:105 Resp: 270000

Ion Ratio Lower Upper

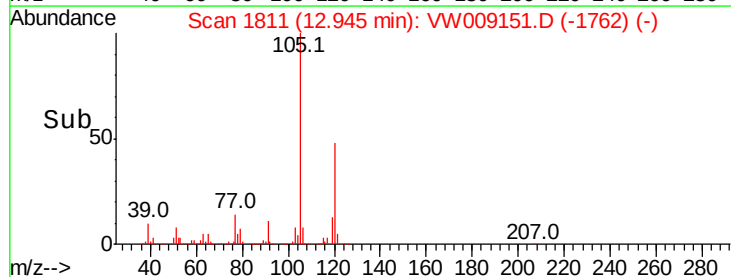
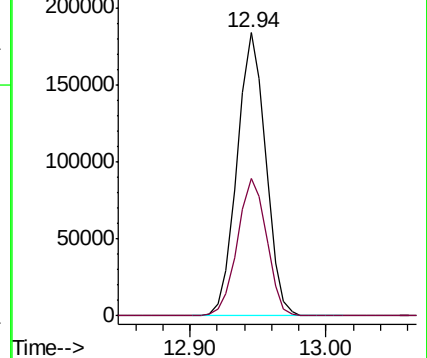
105 100

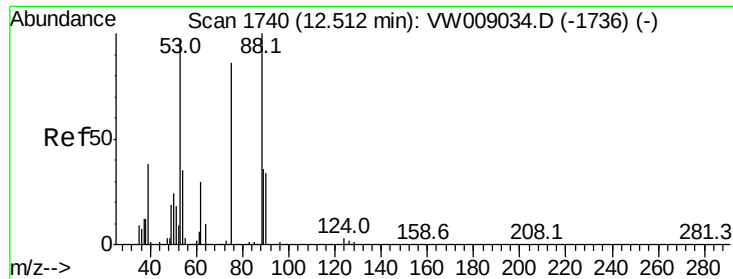
120 49.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





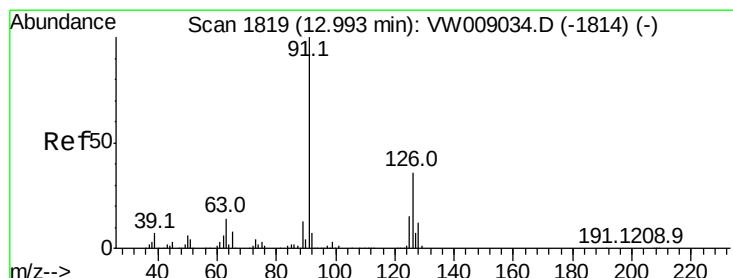
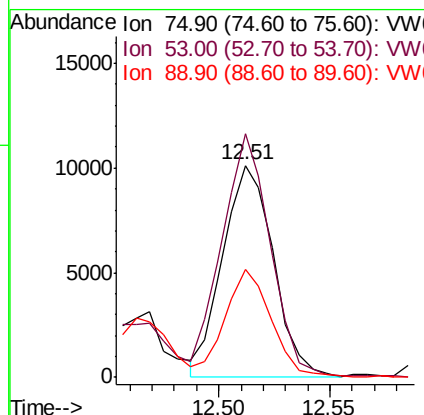
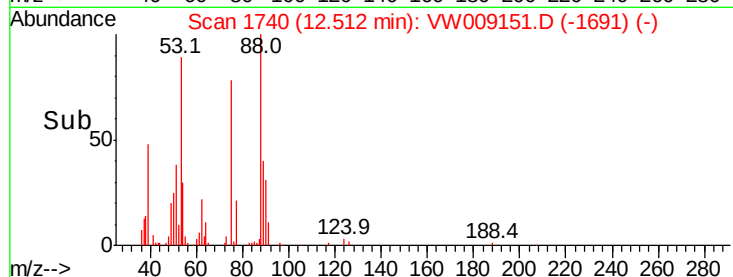
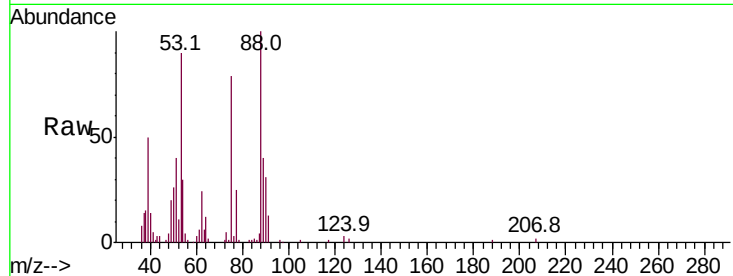
#81
trans-1,4-Dichloro-2-butene
Concen: 20.433 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
75	100		
53	108.1	90.5	135.7
89	46.8	37.5	56.3

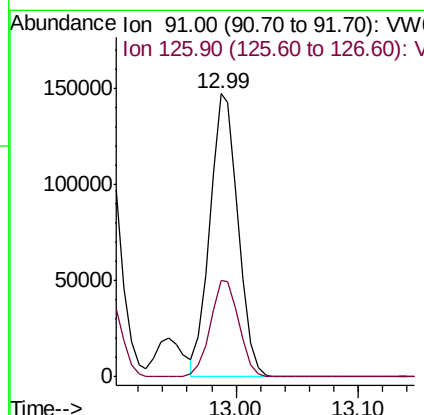
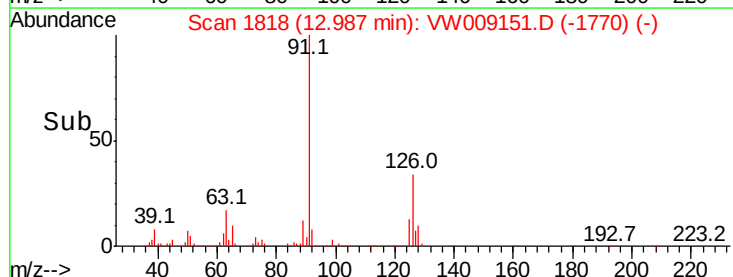
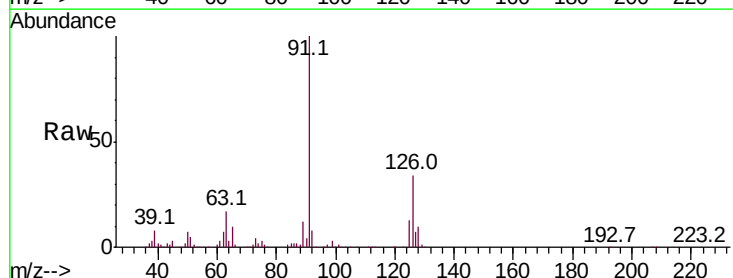
Manual Integrations
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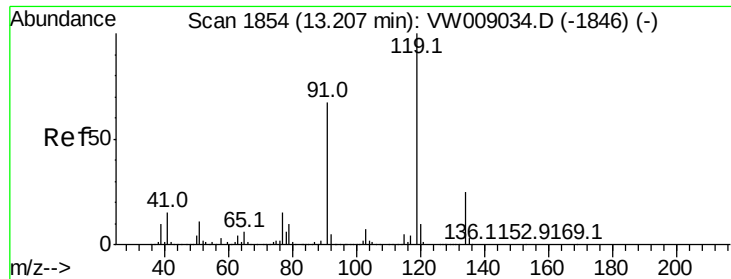
MMDadoda
3/14/2019 3:13:08 PM



#82
4-Chlorotoluene
Concen: 19.980 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.6	49.8





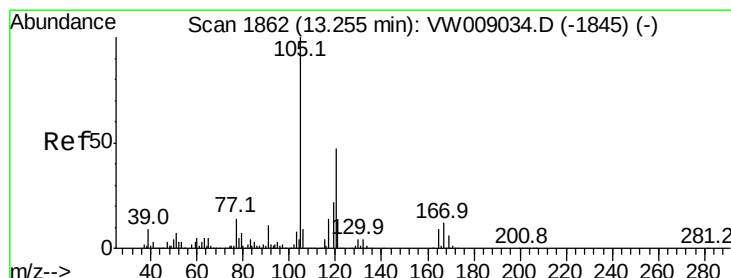
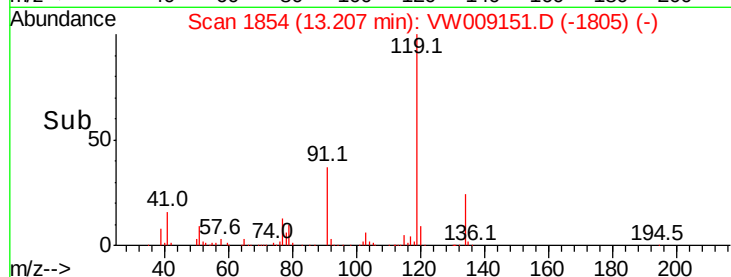
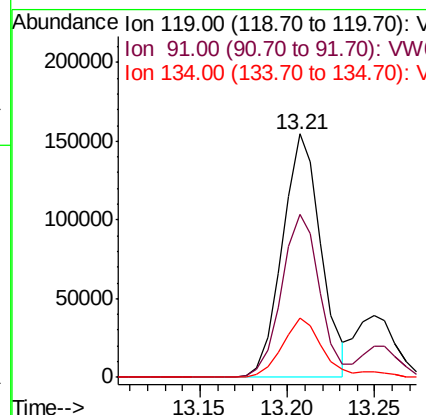
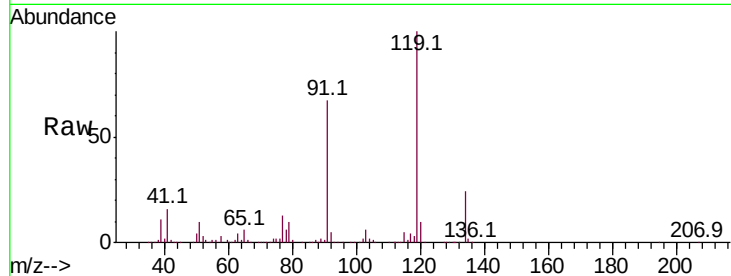
#83
 tert-Butylbenzene
 Concen: 20.555 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.2	34.2	102.5
134	26.7	13.9	41.6

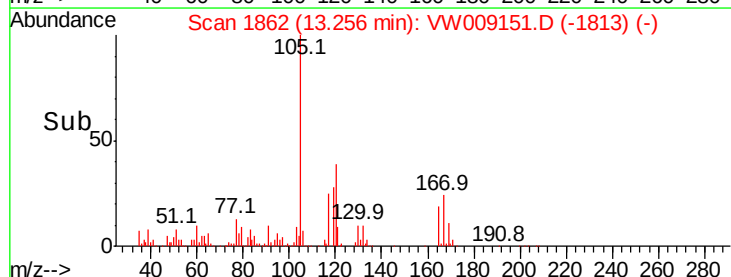
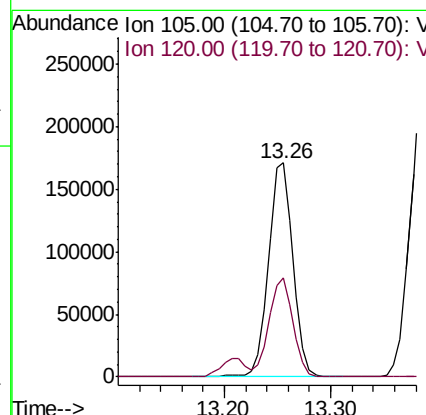
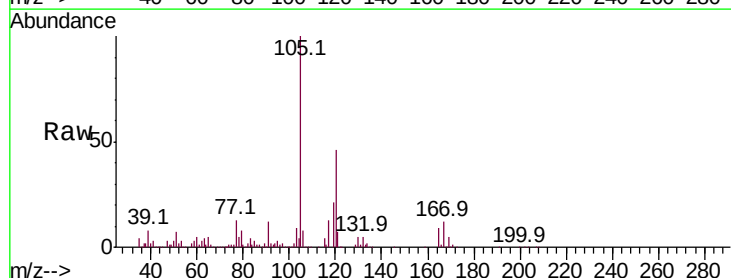
Manual Integrations
 APPROVED

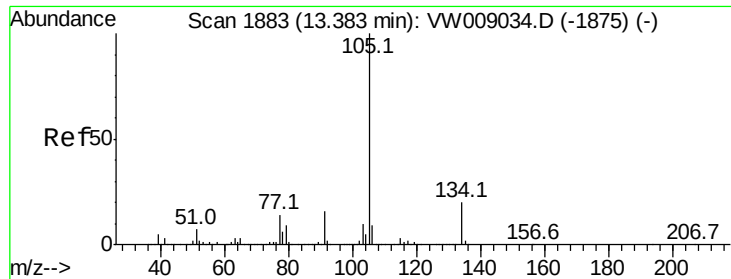
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.720 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.8	68.4





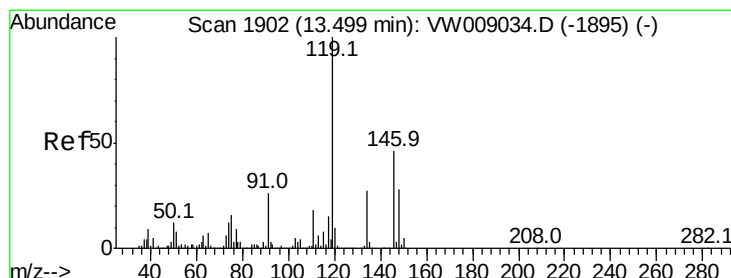
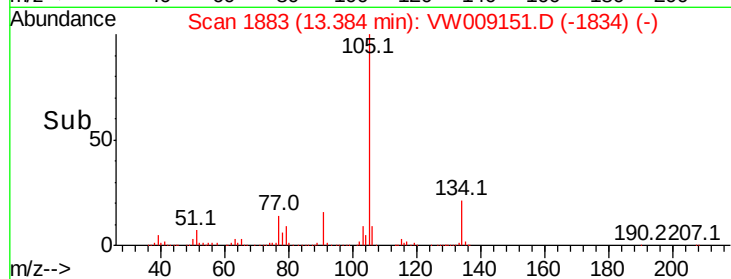
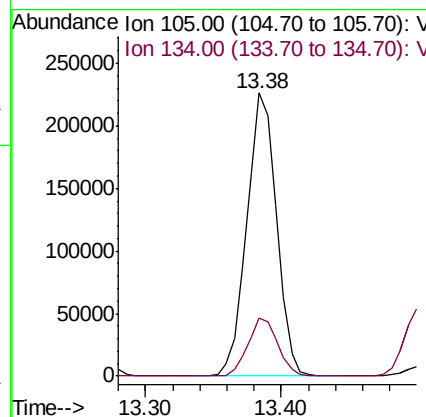
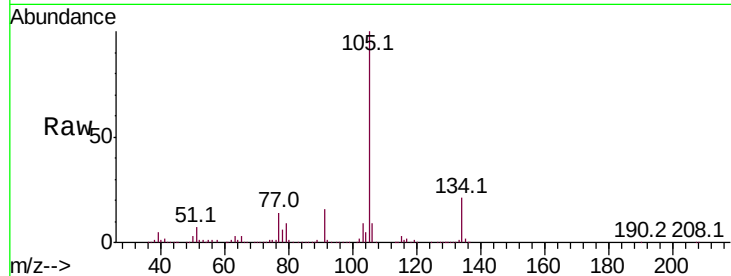
#85
 sec-Butylbenzene
 Concen: 20.167 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
105	100	346093		
134	20.6	10.0	30.0	

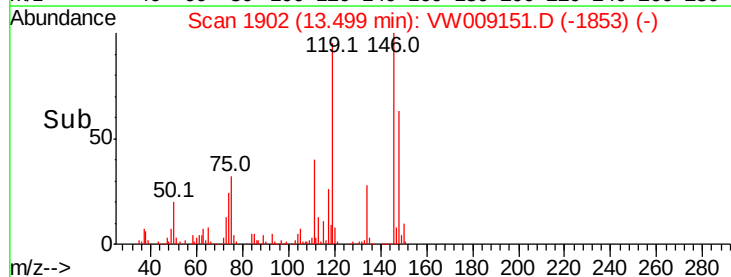
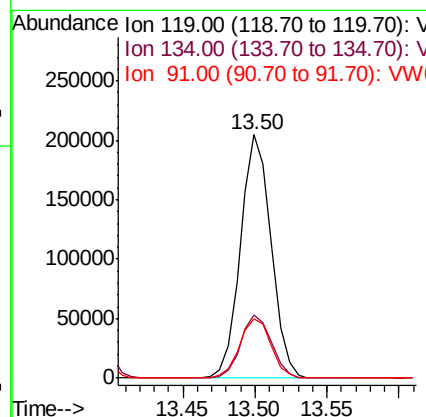
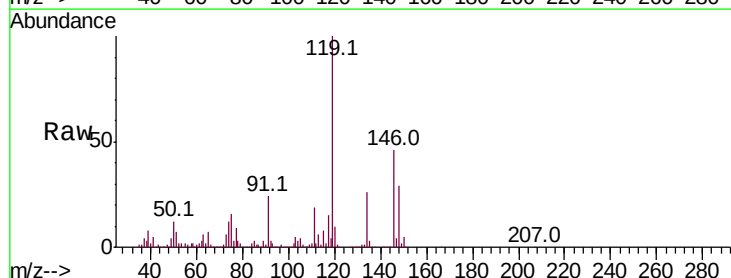
Manual Integrations
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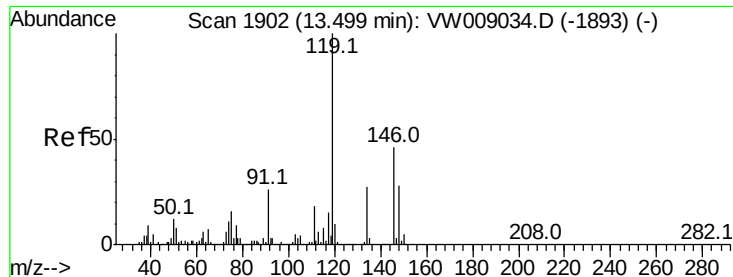
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 3/14/2019 3:13:08 PM



#86
 p-Isopropyltoluene
 Concen: 19.673 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	302019		
134	26.3	13.3	39.9	
91	24.9	12.3	36.9	





#87

1,3-Dichlorobenzene

Concen: 19.940 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

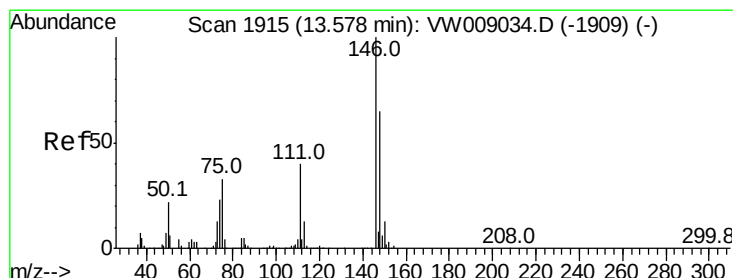
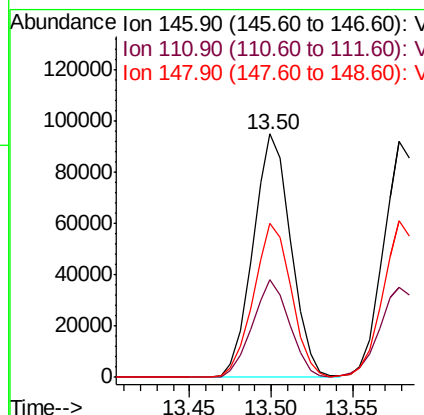
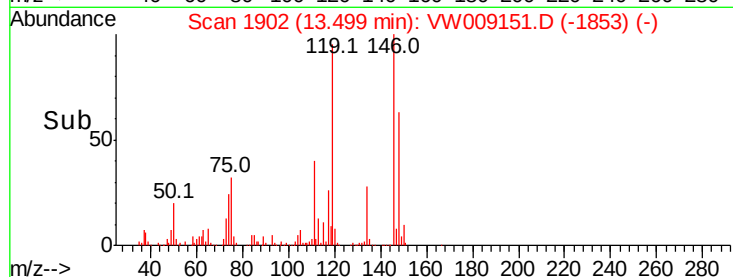
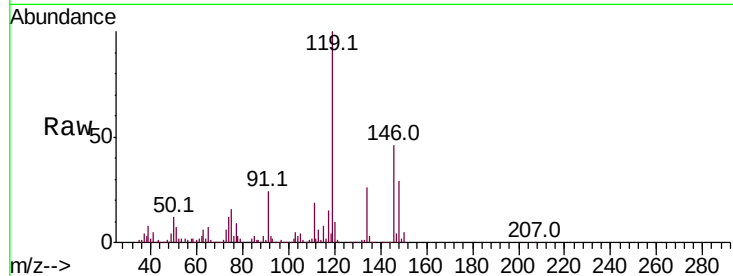
Instrument :
MSVOA_W

ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	152555		
111	39.5	19.8	59.4	
148	63.2	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.634 ug/l

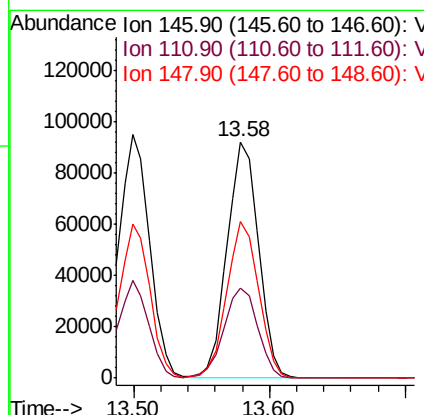
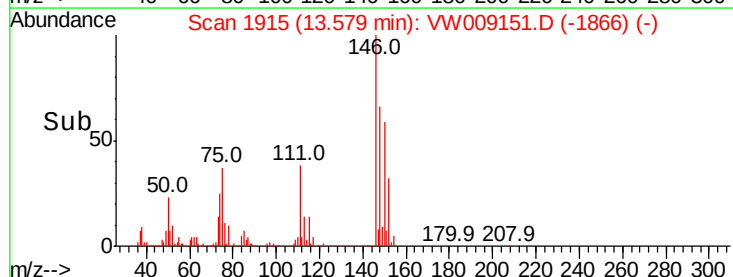
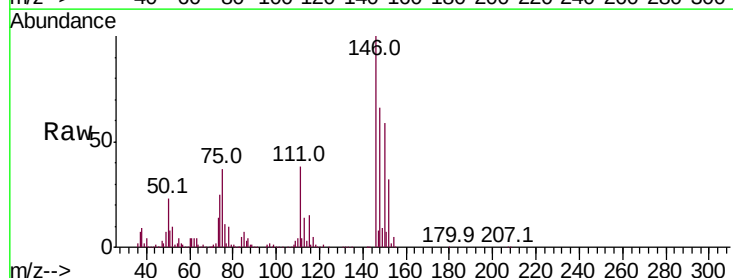
RT: 13.58 min Scan# 1915

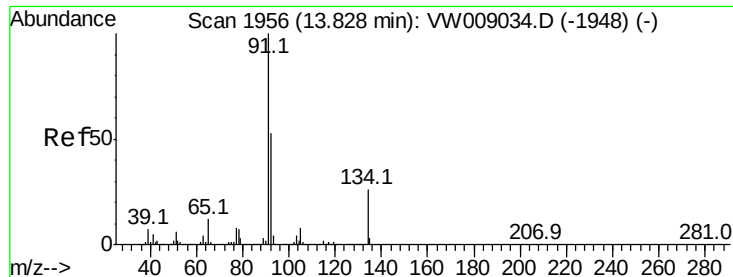
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	148446		
111	41.2	19.7	59.0	
148	66.7	32.2	96.6	





#89

n-Butylbenzene

Concen: 19.175 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Instrument :

MSVOA_W

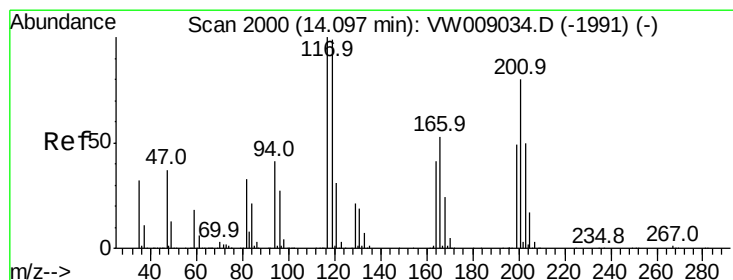
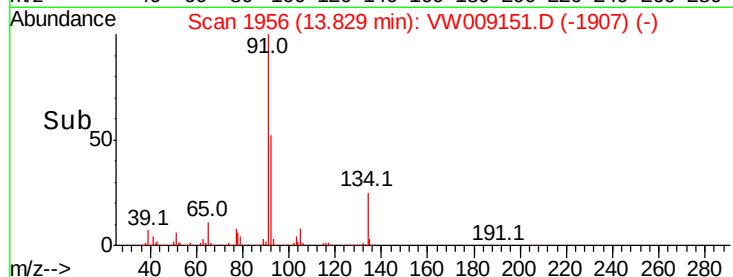
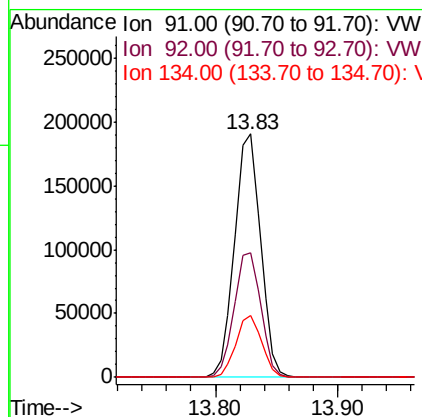
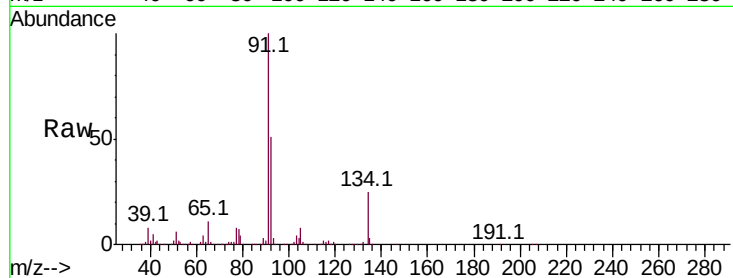
ClientSampleId :

VW0312SBSD03

Tot Ion:	91	Resp:	279852
Ion Ratio	Lower	Upper	
91	100		
92	52.6	26.8	80.3
134	25.3	12.9	38.7

Manual Integrations
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#90

Hexachloroethane

Concen: 20.560 ug/l

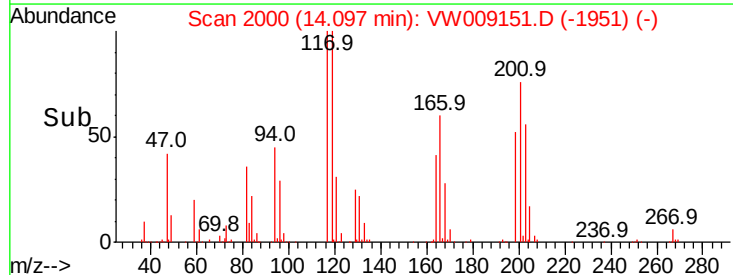
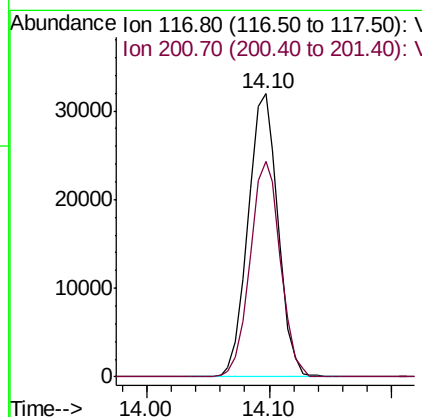
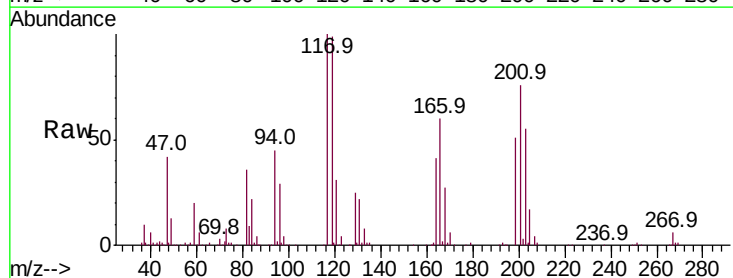
RT: 14.10 min Scan# 2000

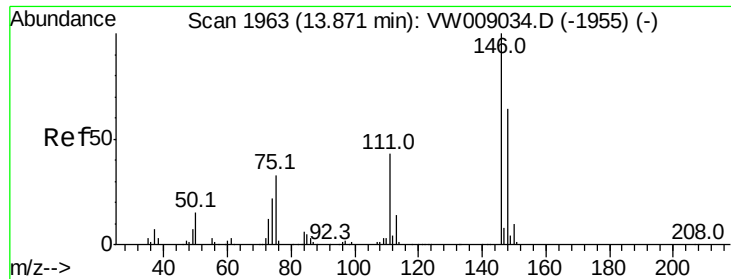
Delta R.T. 0.00 min

Lab File: VW009151.D

Acq: 13 Mar 2019 12:15

Tgt Ion:	117	Resp:	54436
Ion Ratio	Lower	Upper	
117	100		
201	76.9	39.1	117.5





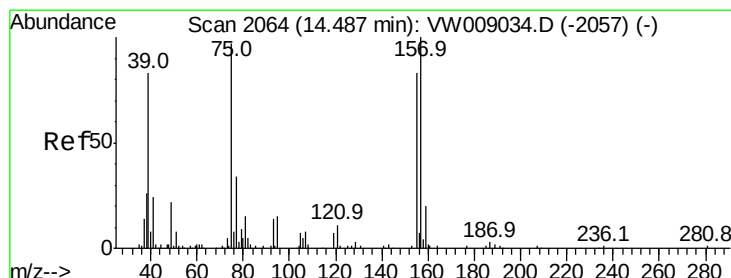
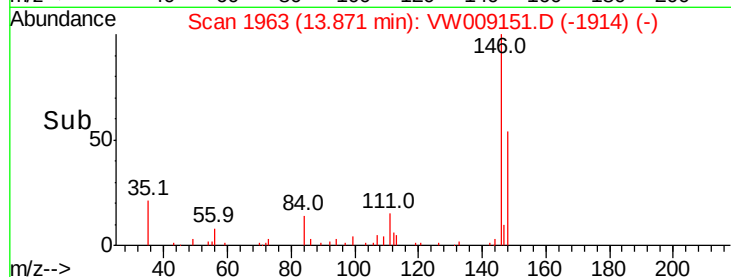
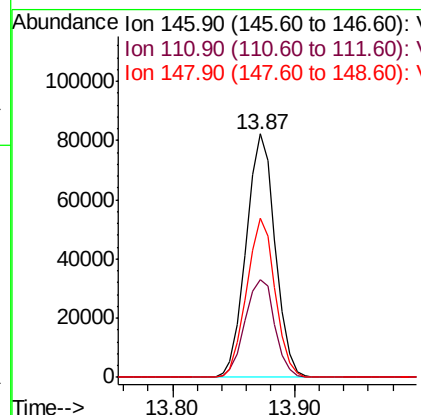
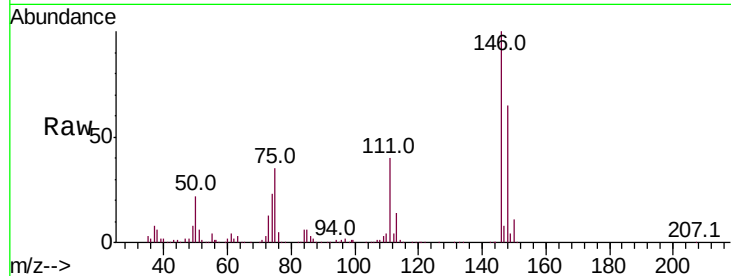
#91
 1,2-Dichlorobenzene
 Concen: 20.031 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
146	100	135212		
111	41.4	21.1	63.1	
148	64.2	32.3	96.9	

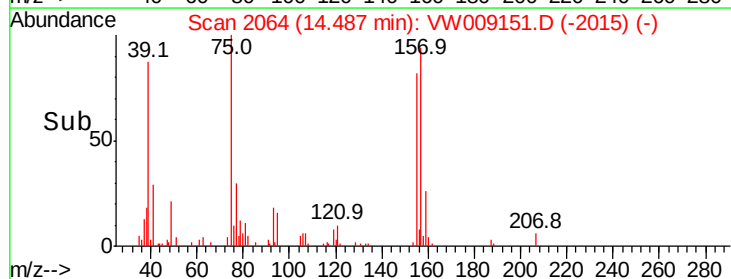
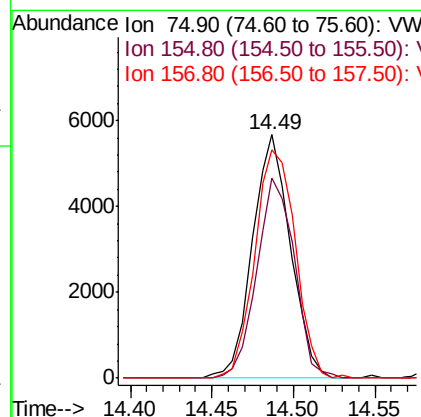
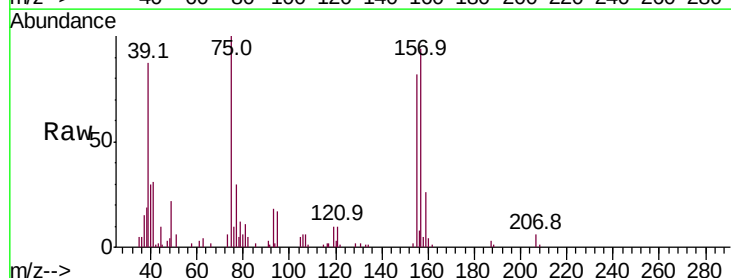
Manual Integrations
 APPROVED

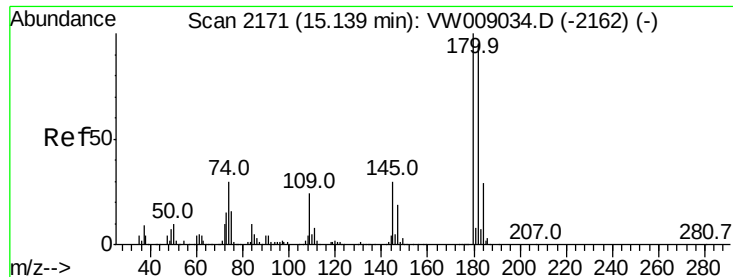
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.553 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009151.D
 Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9200		
155	81.0	40.8	122.4	
157	100.0	52.4	157.3	





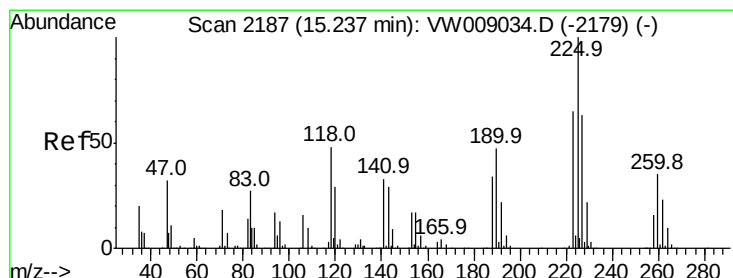
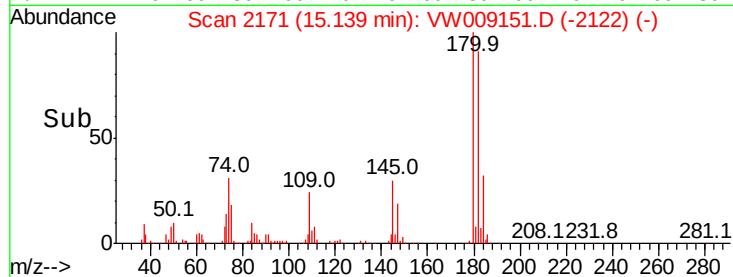
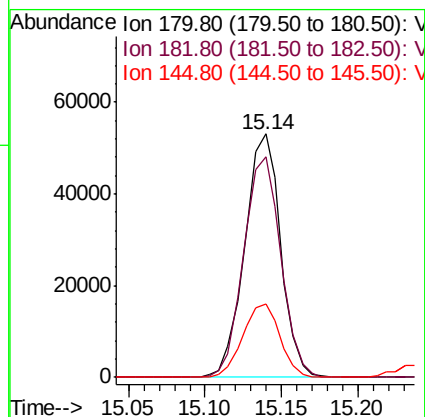
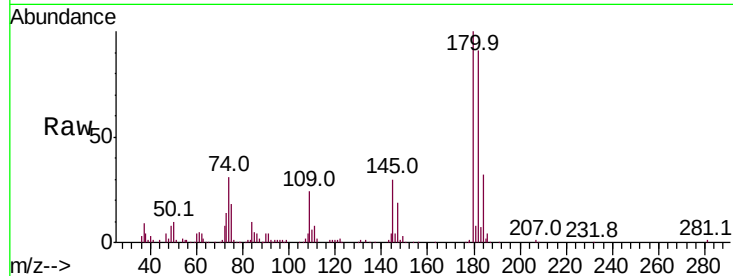
#93
1,2,4-Trichlorobenzene
Concen: 18.963 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.1	48.1	144.3	
145	31.4	15.4	46.1	

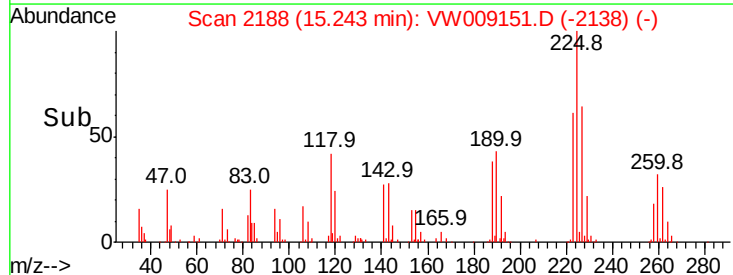
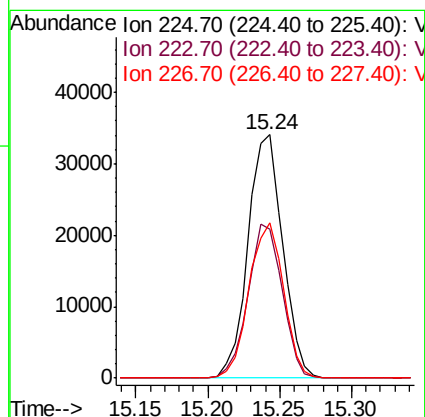
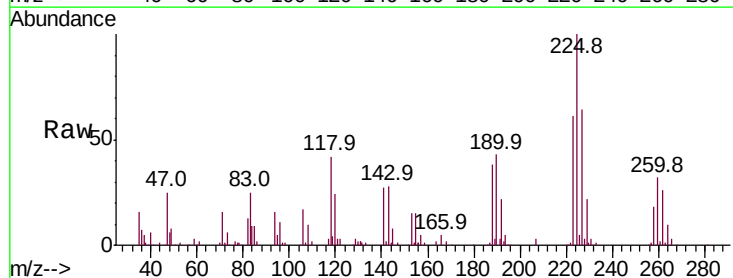
Manual Integrations
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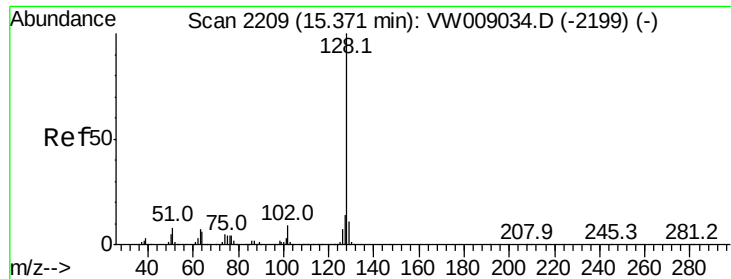
MMDadoda
3/14/2019 3:13:08 PM



#94
Hexachlorobutadiene
Concen: 19.846 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.6	31.6	94.8	
227	63.4	32.0	96.2	





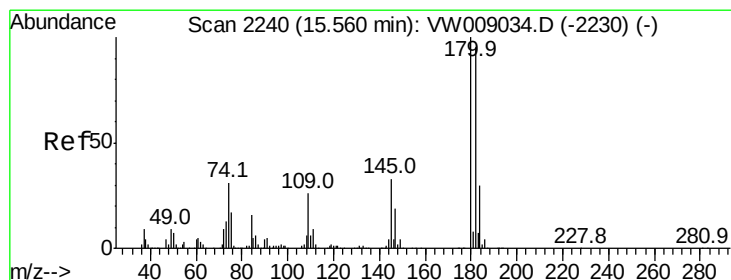
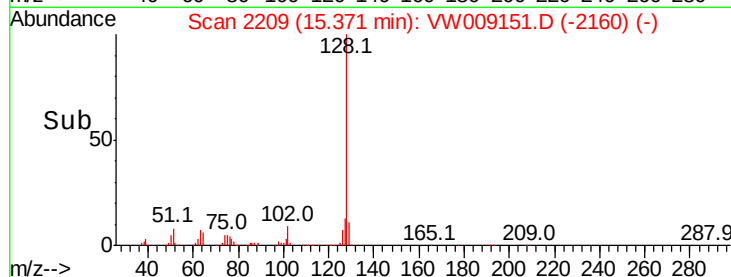
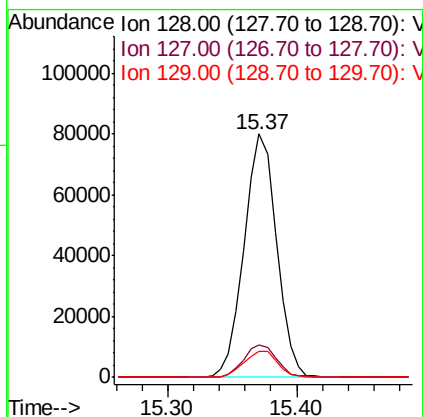
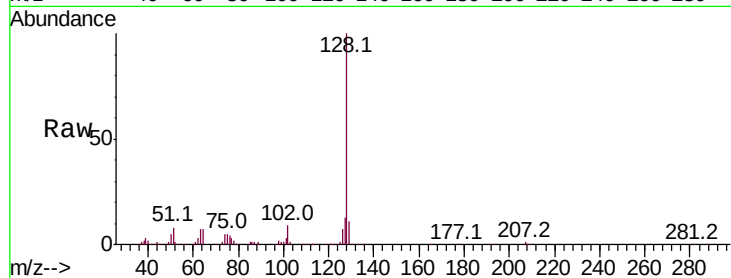
#95
Naphthalene
Concen: 18.656 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD03

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.0	16.6
129	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:13:08 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.206 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009151.D
Acq: 13 Mar 2019 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.6	48.1	144.3
145	31.9	15.8	47.3

