

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031319\
 Data File : VW009156.D
 Acq On : 13 Mar 2019 15:35
 Operator : SY/VA
 Sample : VW0313SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/14/2019 12:43:35 PM

Quant Time: Mar 14 05:33:36 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	287918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	212970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	132838	45.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.72%	
35) Dibromofluoromethane	7.88	113	117203	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
50) Toluene-d8	10.32	98	494909	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
62) 4-Bromofluorobenzene	12.62	95	184110	46.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	63737	21.966	ug/l	97
3) Chloromethane	2.21	50	76011	20.621	ug/l	97
4) Vinyl Chloride	2.35	62	76013	20.320	ug/l	99
5) Bromomethane	2.76	94	82090	25.997	ug/l	100
6) Chloroethane	2.92	64	53555	20.110	ug/l	98
7) Trichlorofluoromethane	3.26	101	103244	21.435	ug/l	95
8) Diethyl Ether	3.68	74	28787	19.547	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	62288	20.764	ug/l	99
10) Methyl Iodide	4.28	142	48032	17.007	ug/l	98
11) Tert butyl alcohol	5.19	59	16681	75.147	ug/l #	94
12) 1,1-Dichloroethene	4.04	96	54437	21.038	ug/l	94
13) Acrolein	3.90	56	17574	71.946	ug/l	91
14) Allyl chloride	4.67	41	94294	20.659	ug/l	96
15) Acrylonitrile	5.38	53	57324	89.182	ug/l	99
16) Acetone	4.13	43	59200	90.565	ug/l	91
17) Carbon Disulfide	4.37	76	170499	19.584	ug/l	99
18) Methyl Acetate	4.67	43	25576	17.015	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	132889	19.414	ug/l	95
20) Methylene Chloride	4.91	84	63800	17.187	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	61469	20.573	ug/l	93
22) Diisopropyl ether	6.31	45	185420	20.442	ug/l	96
23) Vinyl Acetate	6.26	43	543098	96.215	ug/l	99
24) 1,1-Dichloroethane	6.21	63	109025	20.722	ug/l	99
25) 2-Butanone	7.18	43	78694	87.110	ug/l	93
26) 2,2-Dichloropropane	7.17	77	103934	21.733	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	64597	20.131	ug/l	96
28) Bromochloromethane	7.51	49	43529	19.891	ug/l	95
29) Tetrahydrofuran	7.53	42	48718	85.576	ug/l	98
30) Chloroform	7.67	83	108954	20.115	ug/l	100
31) Cyclohexane	7.95	56	114672	21.227	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	104945	20.994	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93362	21.778	ug/l	98
37) Ethyl Acetate	7.26	43	33057	16.416	ug/l	97
38) Carbon Tetrachloride	8.07	117	97301	21.977	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	107825	21.116	ug/l	97
40) Benzene	8.32	78	239391	20.918	ug/l	96
41) Methacrylonitrile	7.49	41	20381	18.226	ug/l	92
42) 1,2-Dichloroethane	8.40	62	73586	19.917	ug/l	100
43) Isopropyl Acetate	8.43	43	67999	18.131	ug/l	96
44) Trichloroethene	9.09	130	66130	20.617	ug/l	96
45) 1,2-Dichloropropane	9.37	63	60472	21.098	ug/l	97
46) Dibromomethane	9.46	93	30716	19.622	ug/l	97
47) Bromodichloromethane	9.64	83	81181	20.487	ug/l	98
48) Methyl methacrylate	9.44	41	34415	19.707	ug/l	97
49) 1,4-Dioxane	9.47	88	7875	351.317	ug/l #	76
51) 4-Methyl-2-Pentanone	10.21	43	171401	90.023	ug/l	99
52) Toluene	10.38	92	163423	21.056	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	77577	19.795	ug/l	95
54) cis-1,3-Dichloropropene	10.07	75	91937	20.414	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	42132	19.858	ug/l	98
56) Ethyl methacrylate	10.65	69	47711	18.119	ug/l	98
57) 1,3-Dichloropropane	10.93	76	73337	19.512	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	127522	93.419	ug/l	99
59) 2-Hexanone	10.97	43	120837	90.268	ug/l	99
60) Dibromochloromethane	11.13	129	50879	19.378	ug/l	100
61) 1,2-Dibromoethane	11.23	107	38416	18.470	ug/l	94
64) Tetrachloroethene	10.86	164	58295	20.881	ug/l	98
65) Chlorobenzene	11.66	112	177343	21.046	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	57523	20.445	ug/l	98
67) Ethyl Benzene	11.73	91	318966	20.953	ug/l	98
68) m/p-Xylenes	11.84	106	253812	42.241	ug/l	100
69) o-Xylene	12.17	106	115487	20.657	ug/l	99
70) Styrene	12.18	104	182846	20.214	ug/l	98
71) Bromoform	12.35	173	28543	18.894	ug/l #	97
73) Isopropylbenzene	12.46	105	327822	21.495	ug/l	100
74) N-amyl acetate	12.27	43	66970	18.549	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	46049	19.141	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	16769m	9.966	ug/l	
77) Bromobenzene	12.75	156	70527	20.239	ug/l	100
78) n-propylbenzene	12.80	91	406291	21.628	ug/l	99
79) 2-Chlorotoluene	12.90	91	225965	21.409	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	271721	20.669	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	13190	17.534	ug/l	93
82) 4-Chlorotoluene	12.99	91	237798	21.136	ug/l	98
83) tert-Butylbenzene	13.21	119	246544	22.237	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	279540	21.021	ug/l	99
85) sec-Butylbenzene	13.38	105	356495	21.702	ug/l	100
86) p-Isopropyltoluene	13.50	119	310411	21.123	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	152592	20.837	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	149013	20.590	ug/l	99
89) n-Butylbenzene	13.83	91	293605	21.016	ug/l	99
90) Hexachloroethane	14.10	117	54882	21.654	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	133336	20.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7945	18.543	ug/l	98

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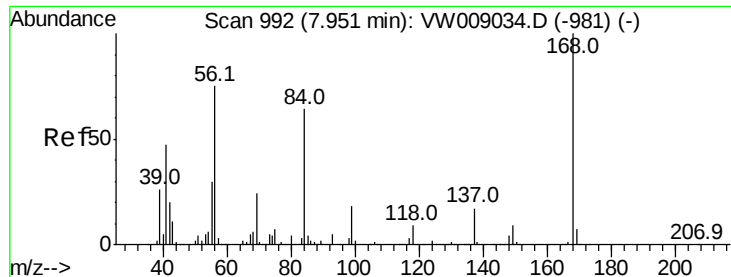
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	83822	19.209	ug/l	99
94) Hexachlorobutadiene	15.24	225	58934	21.562	ug/l	98
95) Naphthalene	15.37	128	124751	17.465	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	70740	18.436	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:168 Resp: 287918

Ion Ratio Lower Upper

168 100

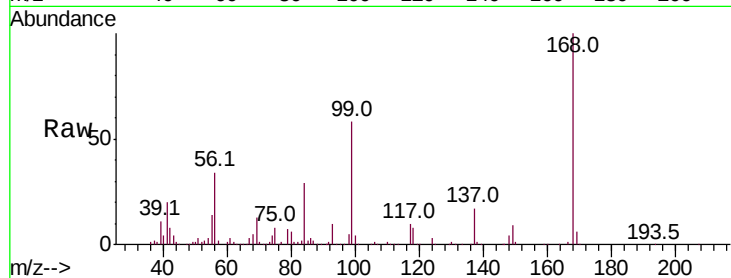
99 57.9 42.2 63.2

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Abundance Ion 167.90 (167.60 to 168.60): V

150000 Ion 98.90 (98.60 to 99.60): VW

7.95

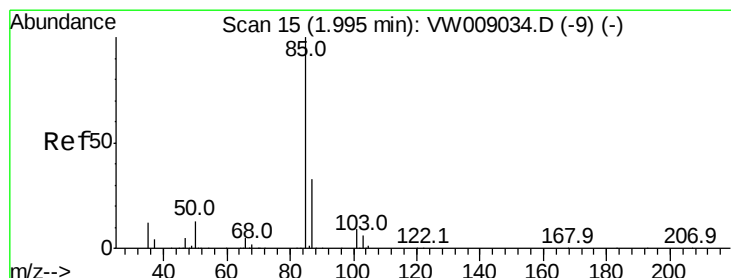
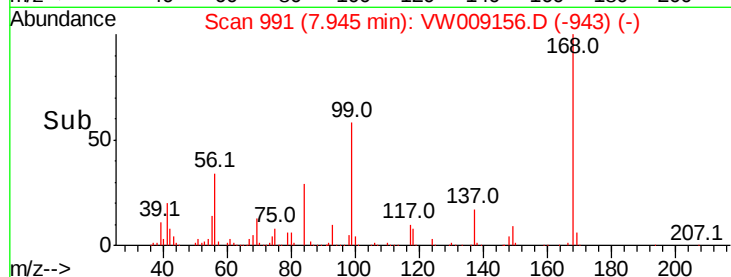
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 21.966 ug/l

RT: 2.00 min Scan# 15

Delta R.T. 0.00 min

Lab File: VW009156.D

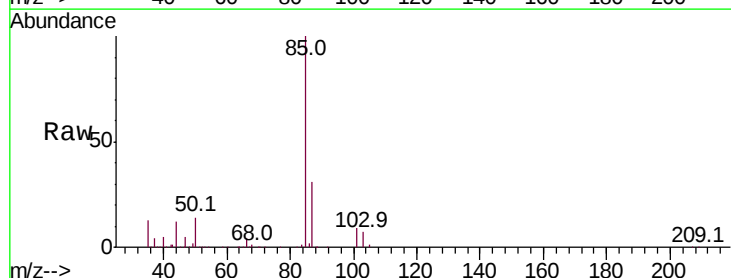
Acq: 13 Mar 2019 15:35

Tgt Ion: 85 Resp: 63737

Ion Ratio Lower Upper

85 100

87 31.1 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

40000

30000

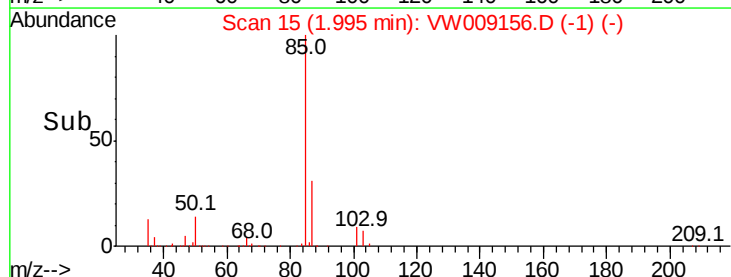
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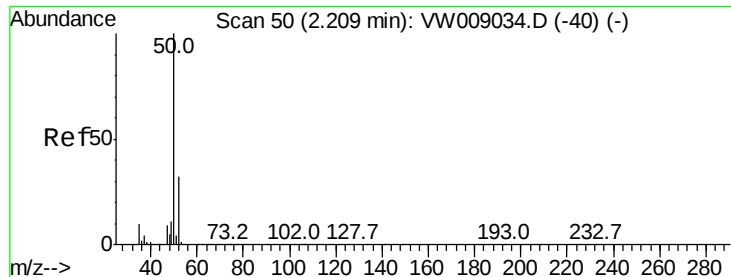
10000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 20.621 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 50 Resp: 76011

Ion Ratio Lower Upper

50 100

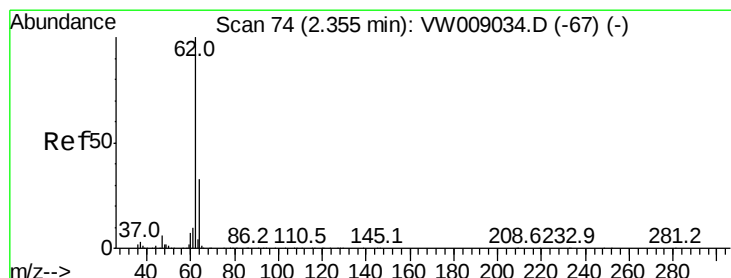
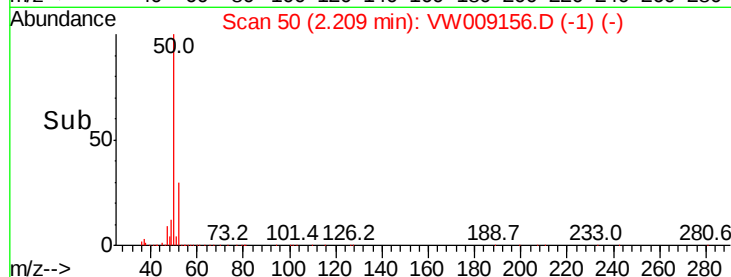
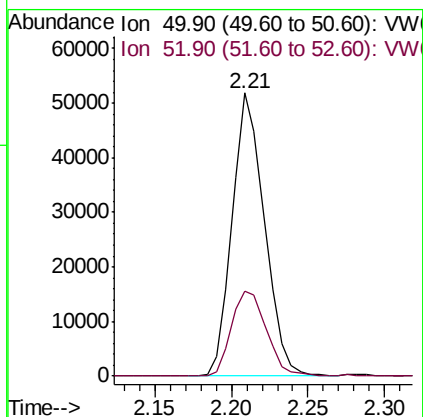
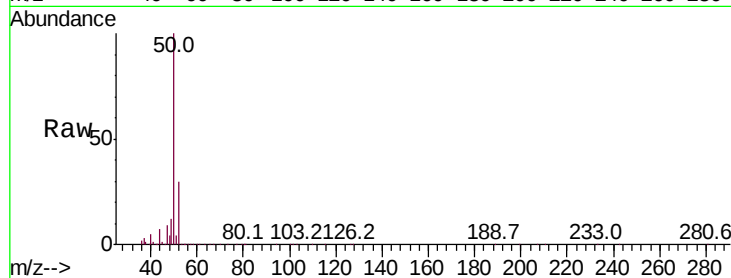
52 30.1 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.320 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009156.D

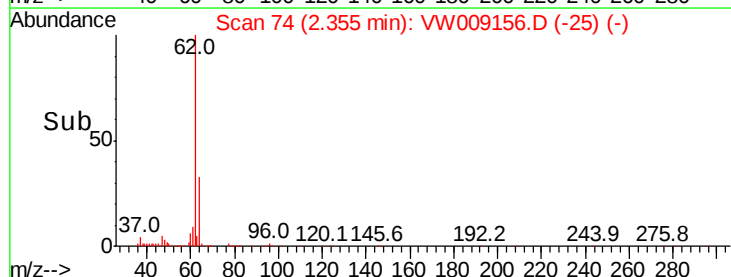
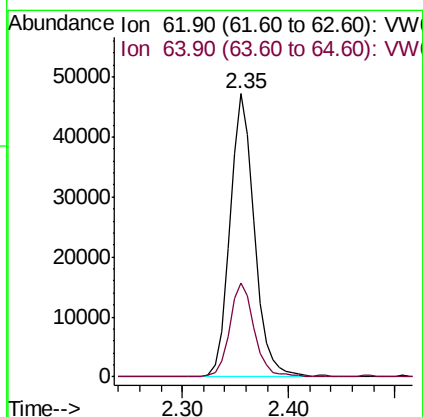
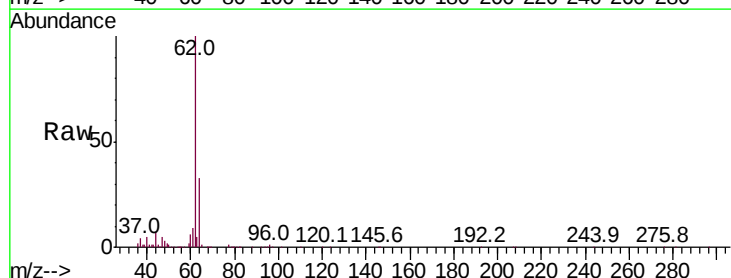
Acq: 13 Mar 2019 15:35

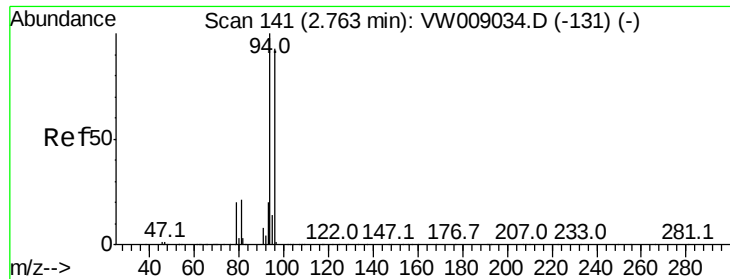
Tgt Ion: 62 Resp: 76013

Ion Ratio Lower Upper

62 100

64 33.0 26.0 39.0





#5

Bromomethane

Concen: 25.997 ug/l

RT: 2.76 min Scan# 141

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 94 Resp: 82090

Ion Ratio Lower Upper

94 100

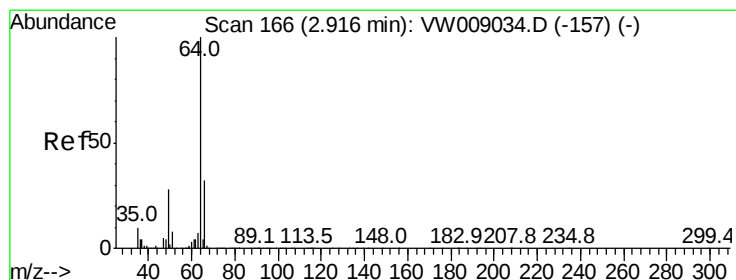
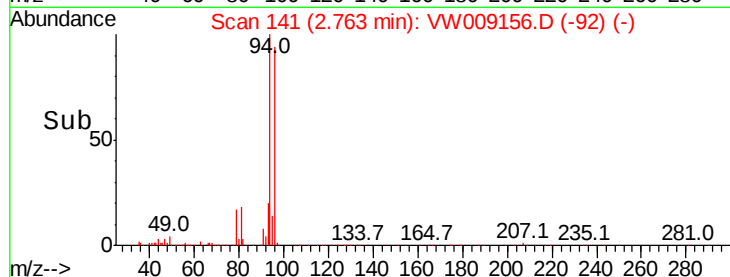
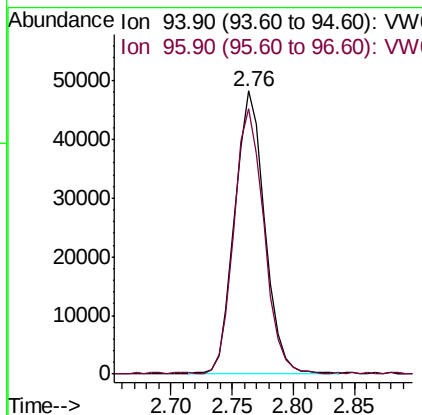
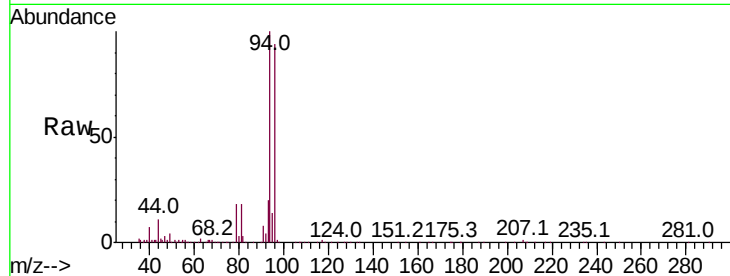
96 93.1 74.4 111.6

Manual Integrations

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#6

Chloroethane

Concen: 20.110 ug/l

RT: 2.92 min Scan# 166

Delta R.T. 0.00 min

Lab File: VW009156.D

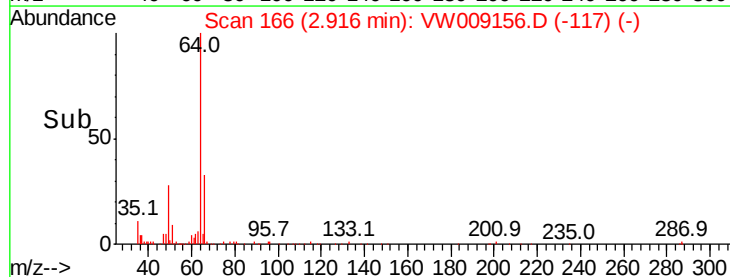
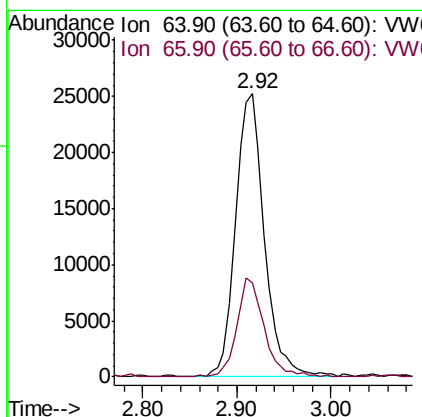
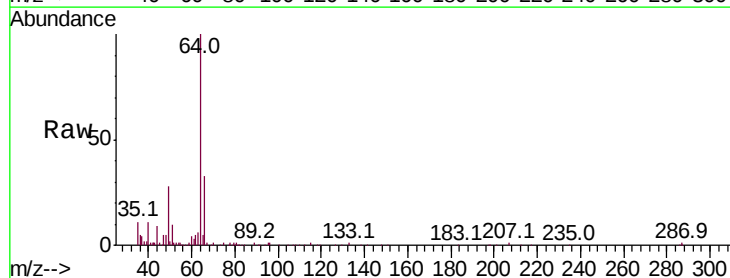
Acq: 13 Mar 2019 15:35

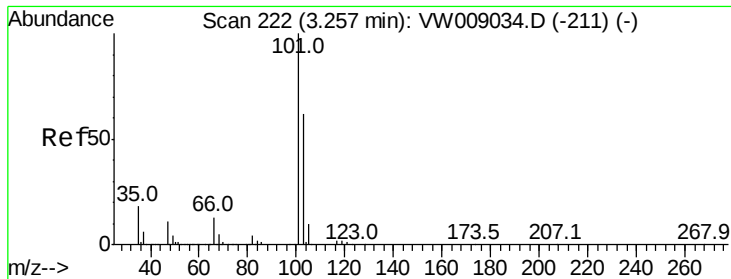
Tgt Ion: 64 Resp: 53555

Ion Ratio Lower Upper

64 100

66 33.2 25.5 38.3





#7

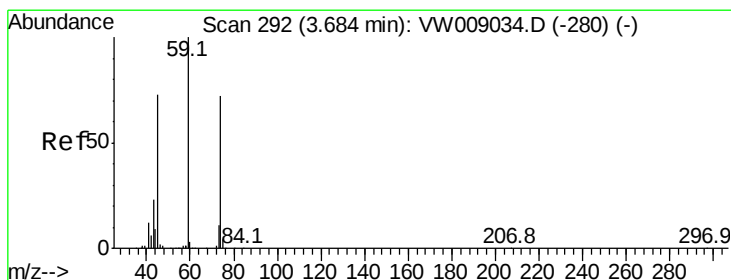
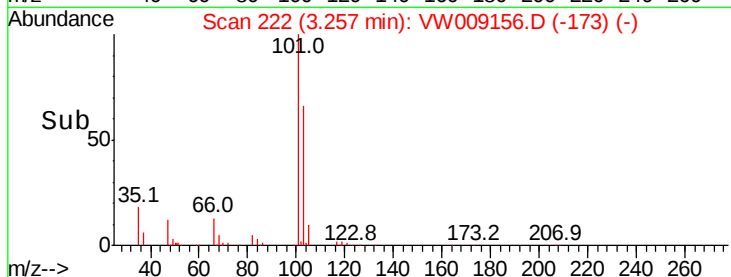
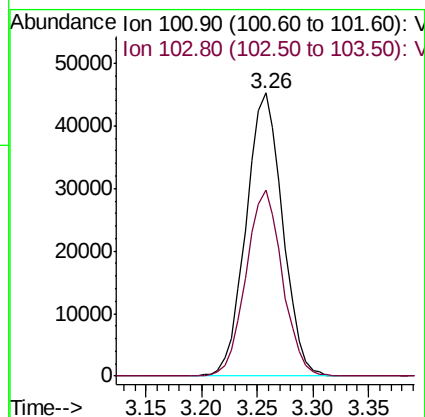
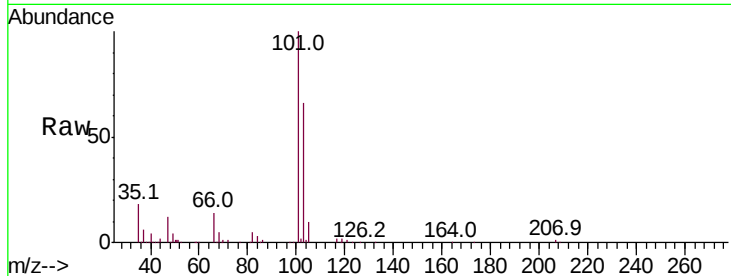
Trichlorofluoromethane
 Concen: 21.435 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW009156.D
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Instrument :
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 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.9	49.9	74.9

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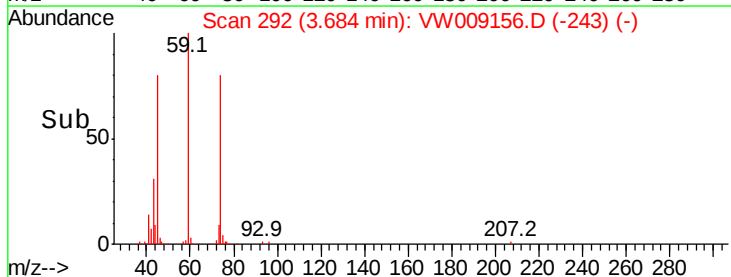
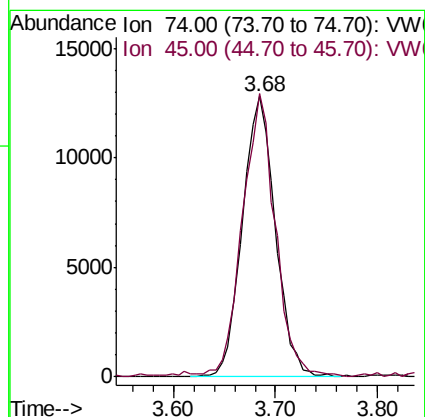
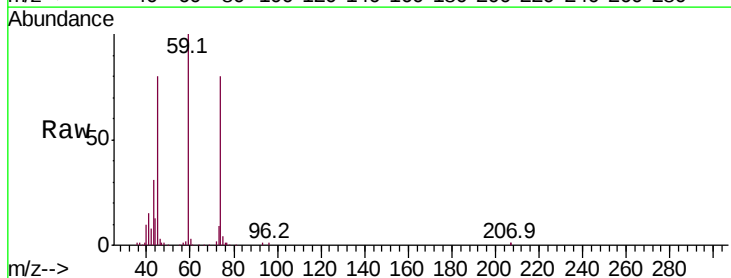
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 3/14/2019 12:43:35 PM

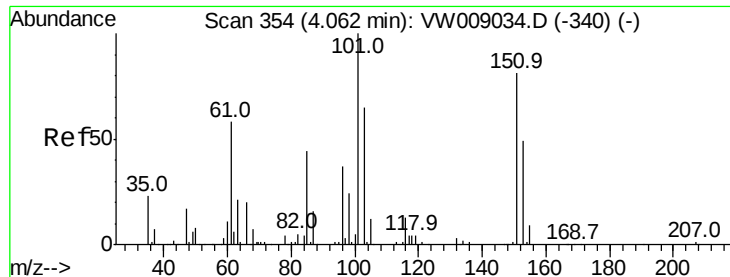


#8

Diethyl Ether
 Concen: 19.547 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.764 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

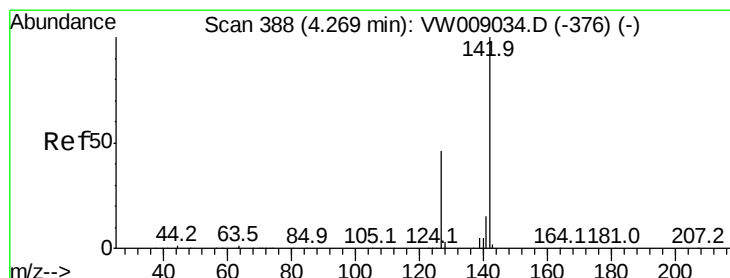
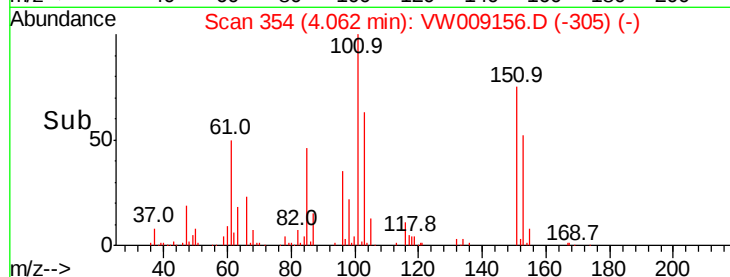
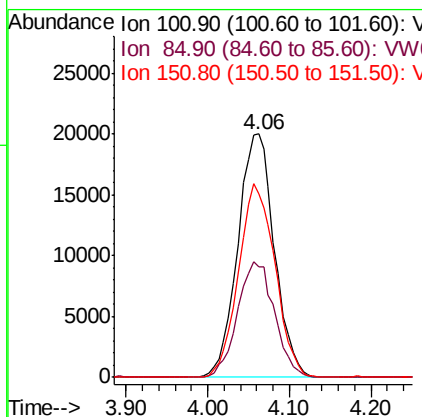
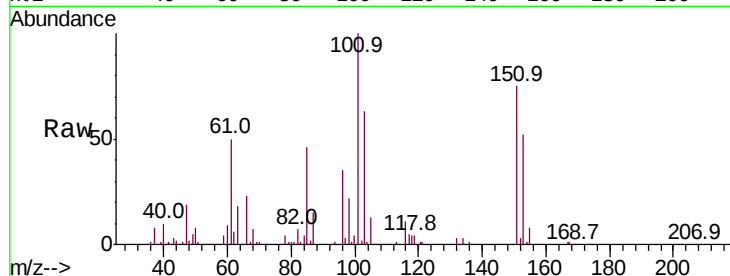
ClientSampleId :

VW0313SBS01

Tot Ion:	101	Resp:	62288
Ion Ratio	Lower	Upper	
101	100		
85	47.6	36.2	54.4
151	79.4	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 17.007 ug/l

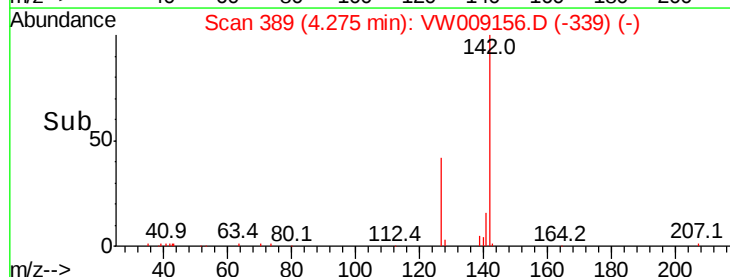
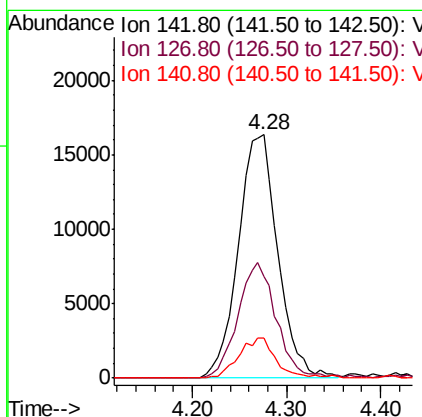
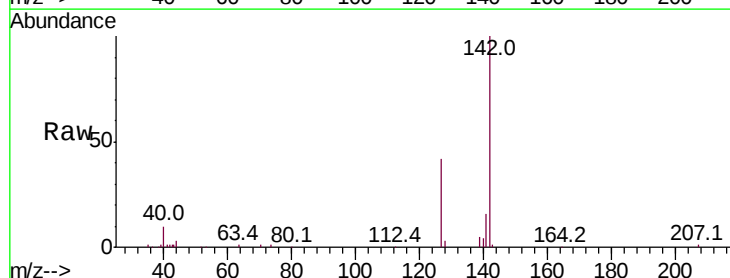
RT: 4.28 min Scan# 389

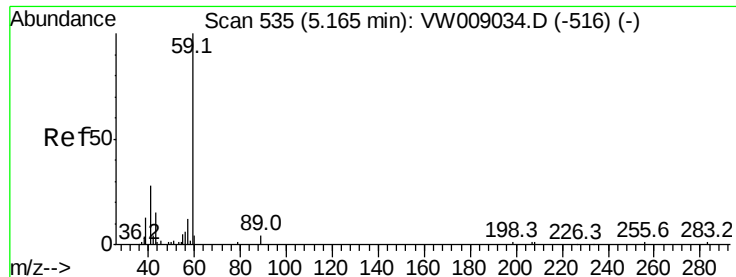
Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	142	Resp:	48032
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.8	53.6
141	15.5	11.8	17.8





#11

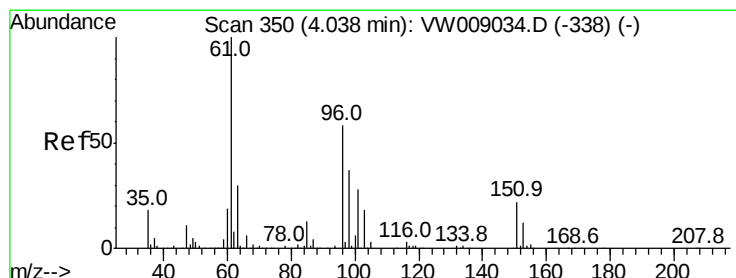
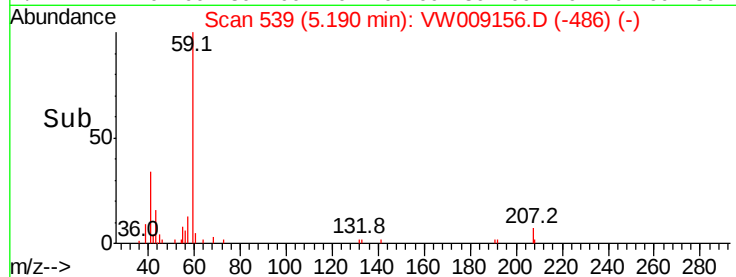
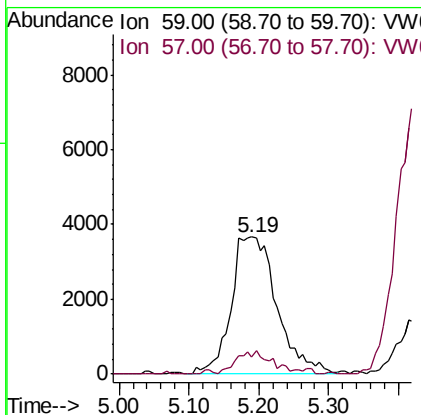
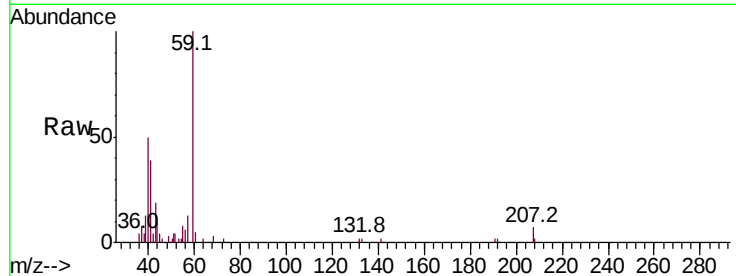
Tert butyl alcohol
 Concen: 75.147 ug/l
 RT: 5.19 min Scan# 539
 Delta R.T. 0.02 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.1	8.6	12.8#

Manual Integrations
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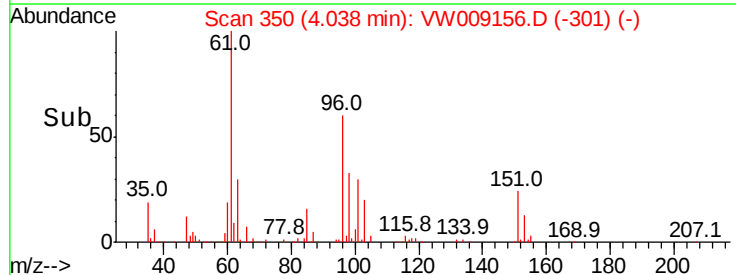
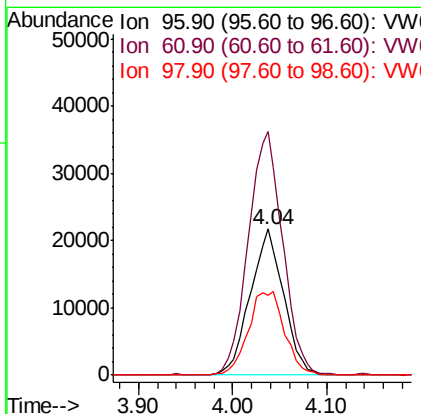
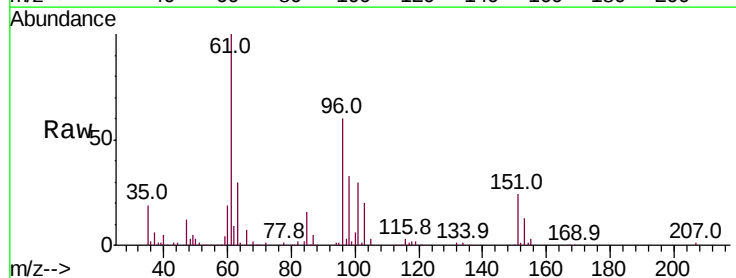
MMDadoda
 3/14/2019 12:43:35 PM

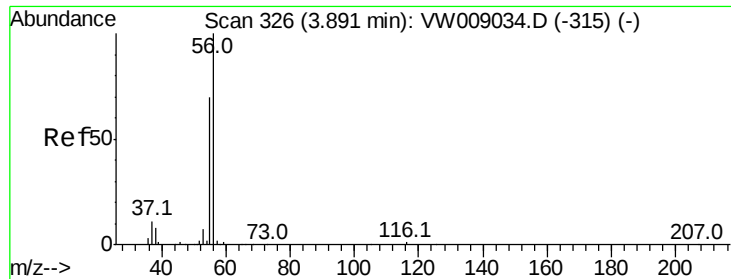


#12

1,1-Dichloroethene
 Concen: 21.038 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.0	138.2	207.2
98	54.5	51.3	76.9





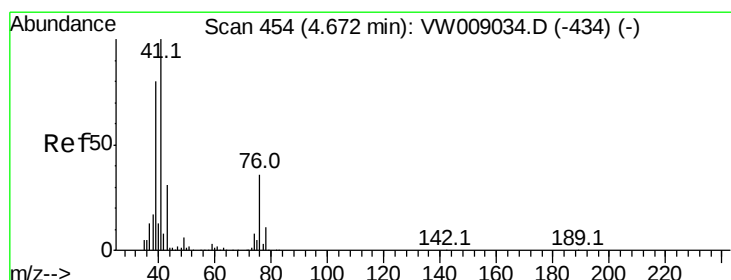
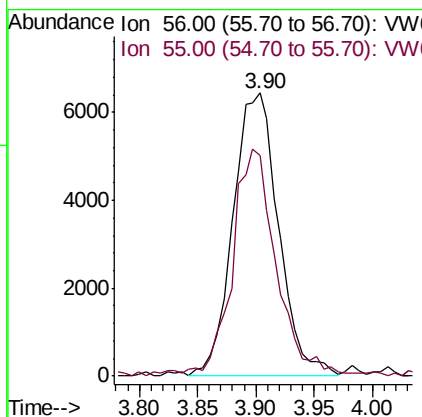
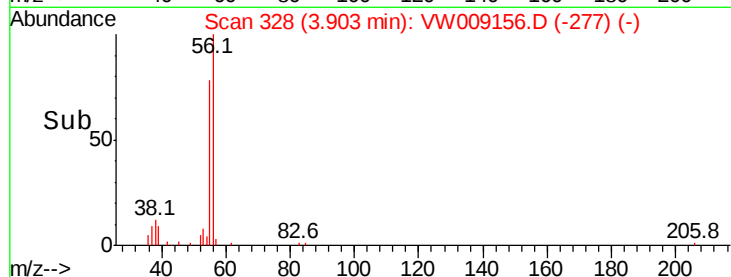
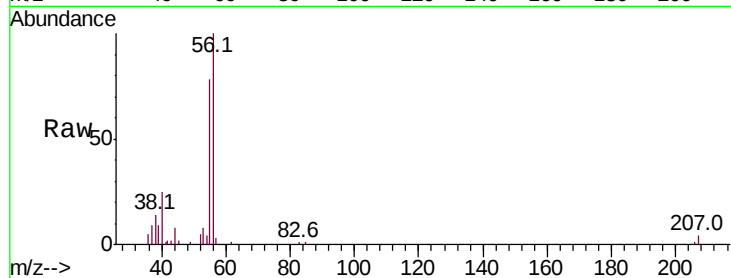
#13
Acrolein
Concen: 71.946 ug/l
RT: 3.90 min Scan# 328
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 56 Resp: 17574
Ion Ratio Lower Upper
56 100
55 77.9 56.6 84.8

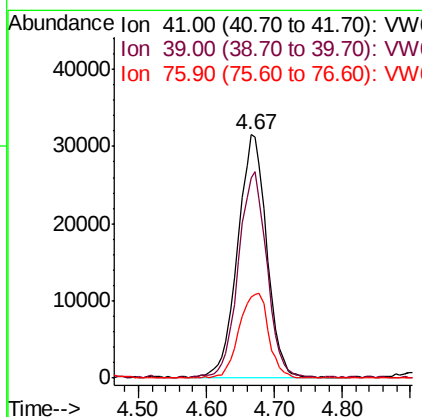
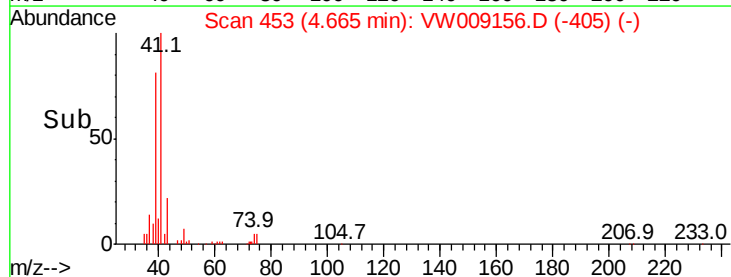
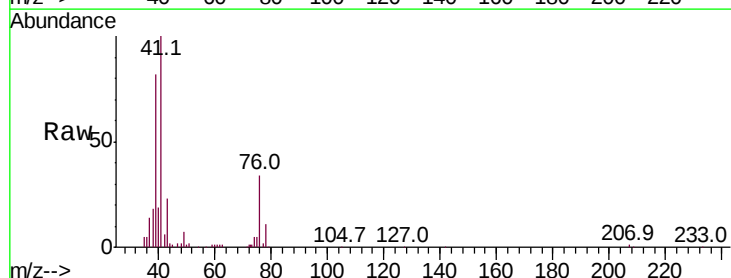
Manual Integrations
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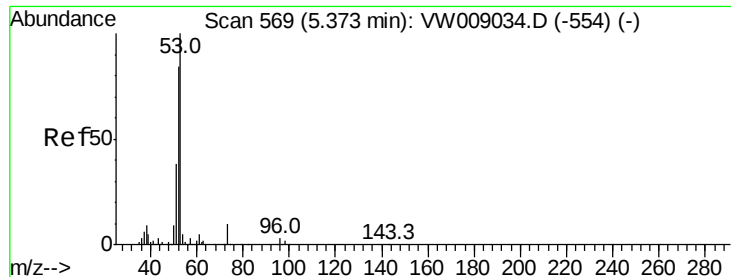
MMDadoda
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#14
Allyl chloride
Concen: 20.659 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 41 Resp: 94294
Ion Ratio Lower Upper
41 100
39 83.1 63.0 94.4
76 35.1 28.2 42.2





#15

Acrylonitrile

Concen: 89.182 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

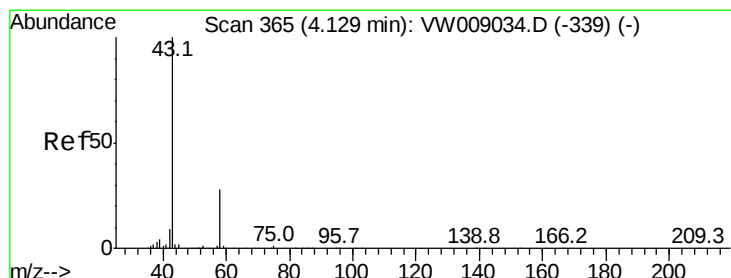
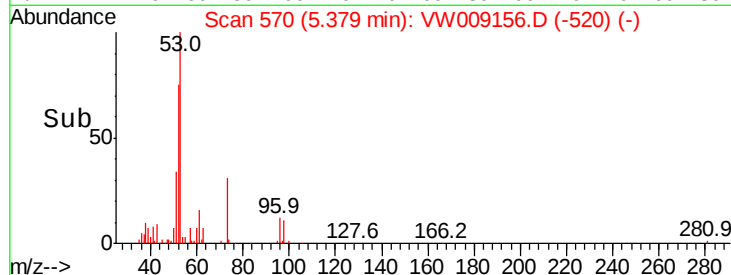
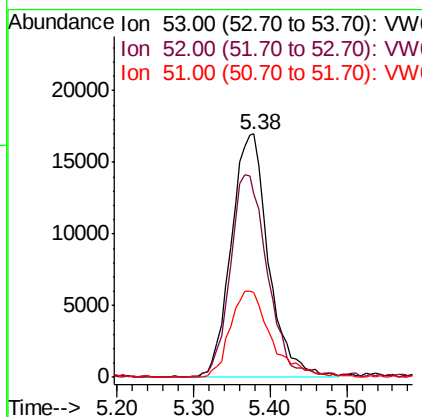
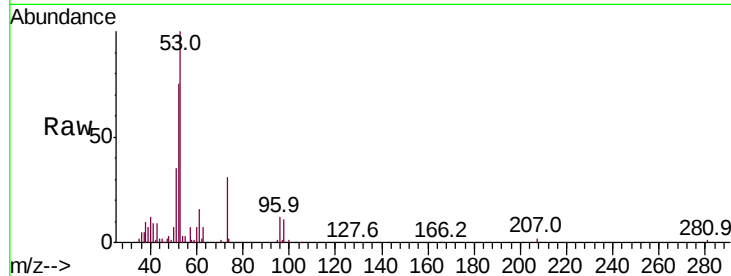
ClientSampleId :

VW0313SBS01

Tot Ion:	53	Resp:	57324
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.2	100.8
51	39.2	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 90.565 ug/l

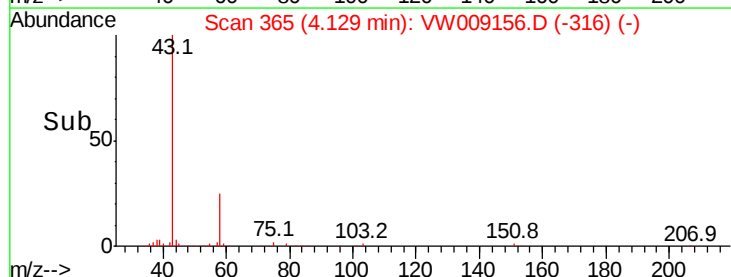
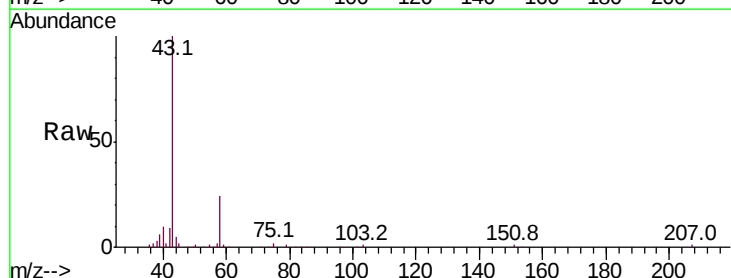
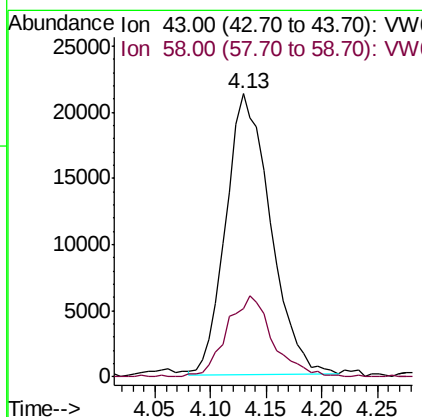
RT: 4.13 min Scan# 365

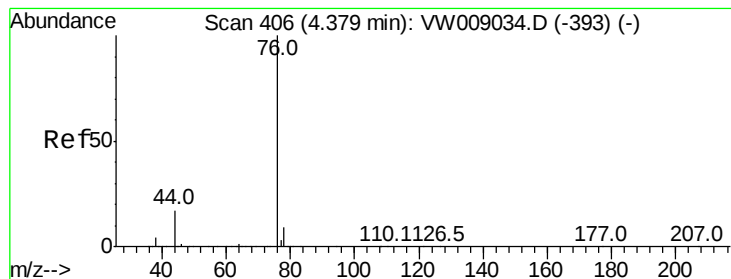
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	43	Resp:	59200
Ion	Ratio	Lower	Upper
43	100		
58	23.6	22.5	33.7





#17

Carbon Disulfide

Concen: 19.584 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 76 Resp: 170499

Ion Ratio Lower Upper

76 100

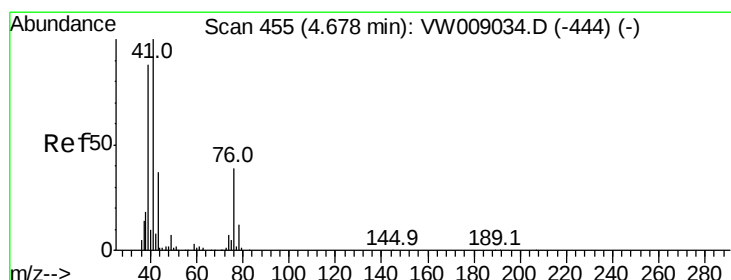
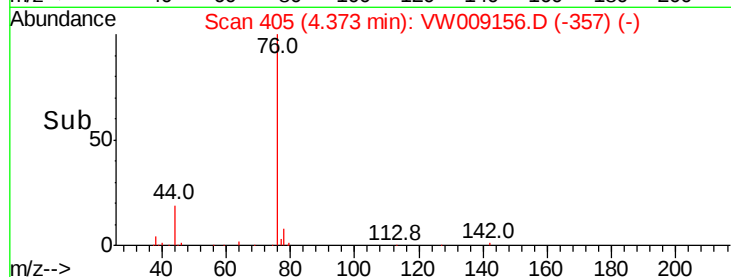
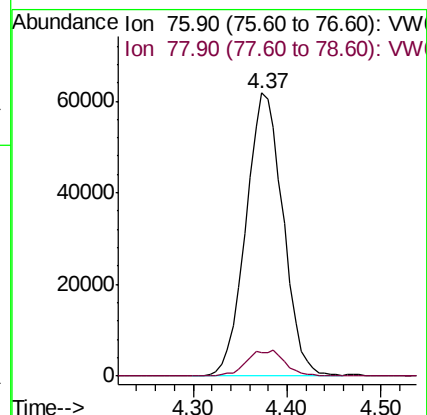
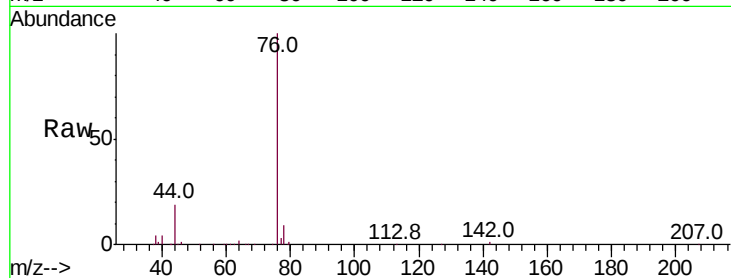
78 8.5 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 17.015 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW009156.D

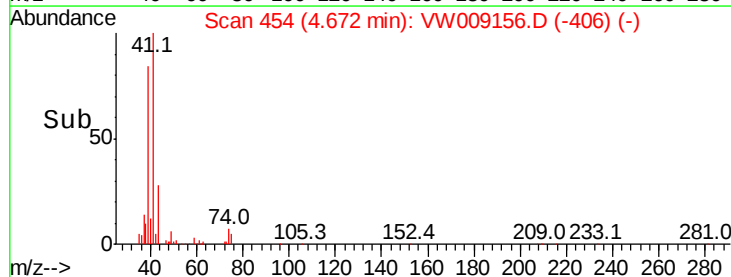
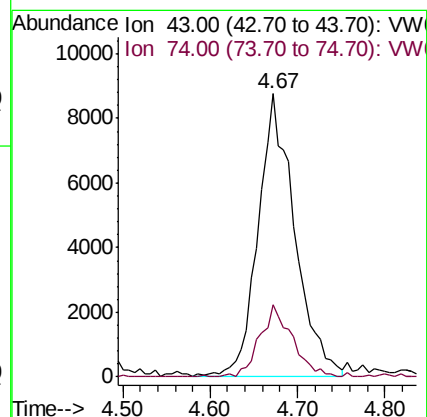
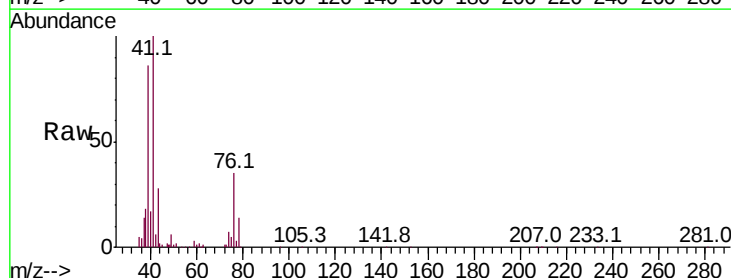
Acq: 13 Mar 2019 15:35

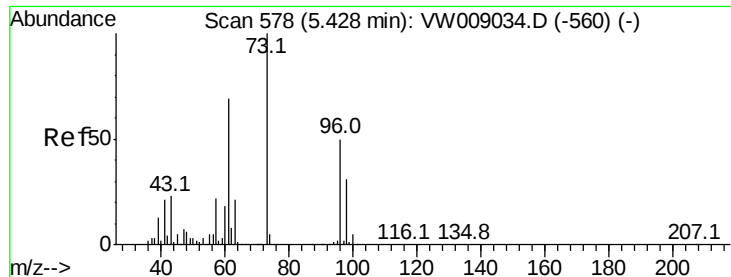
Tgt Ion: 43 Resp: 25576

Ion Ratio Lower Upper

43 100

74 22.6 17.6 26.4





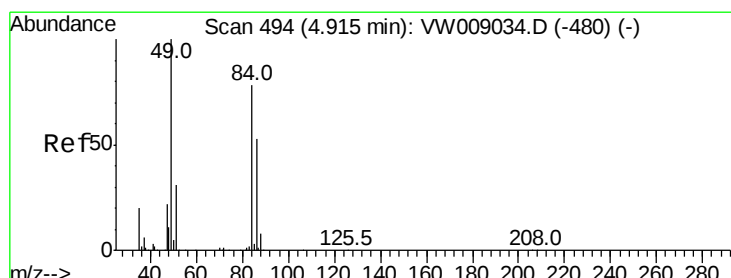
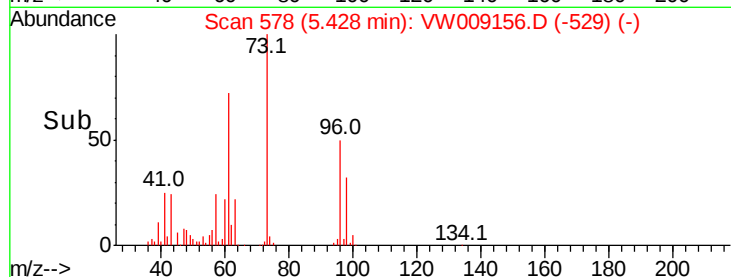
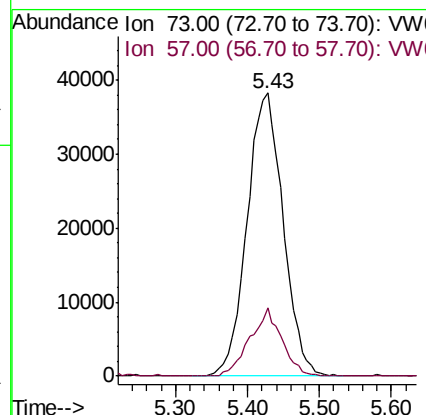
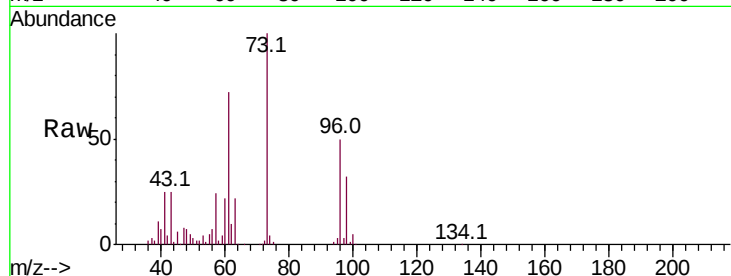
#19
Methvl tert-butvl Ether
Concen: 19.414 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 73 Resp: 132889
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

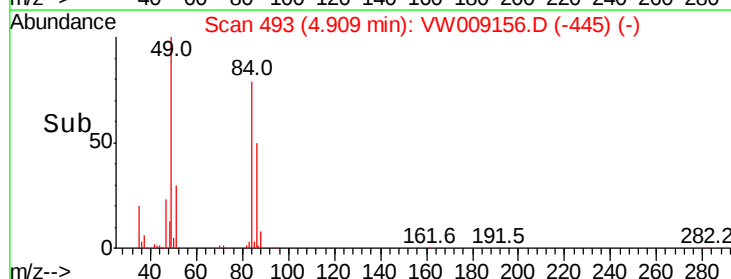
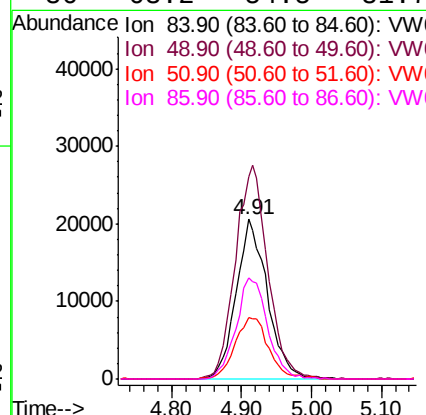
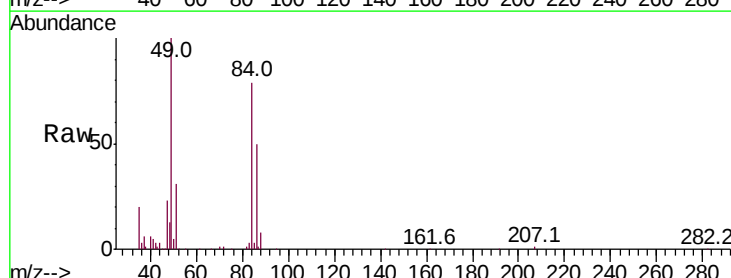
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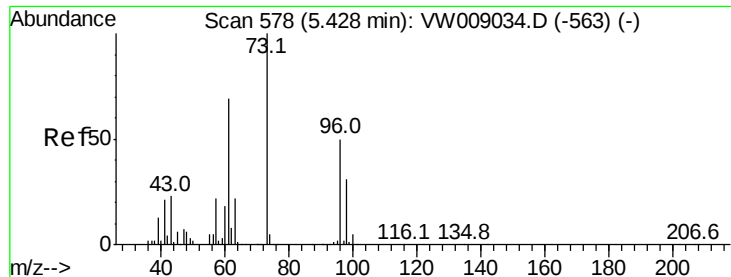
MMDadoda
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#20
Methylene Chloride
Concen: 17.187 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 84 Resp: 63800
Ion Ratio Lower Upper
84 100
49 126.6 102.4 153.6
51 38.6 31.6 47.4
86 63.2 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.573 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

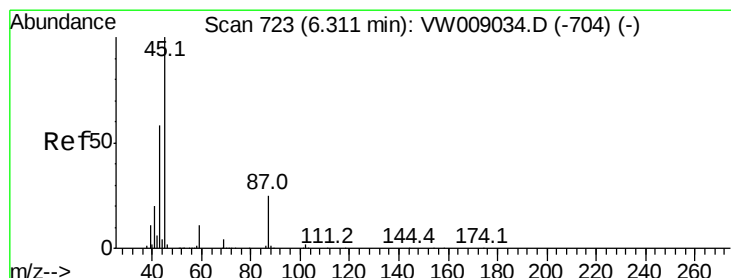
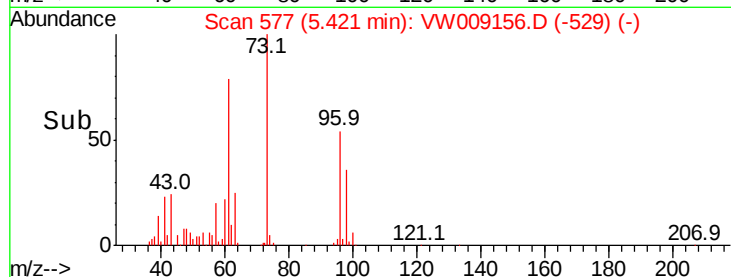
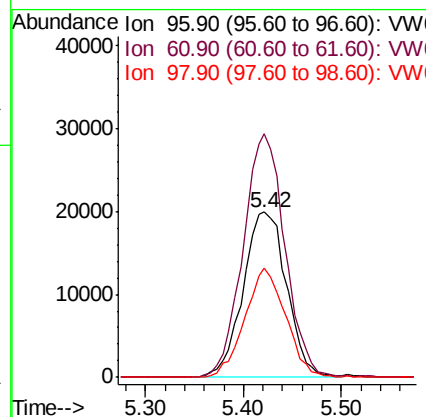
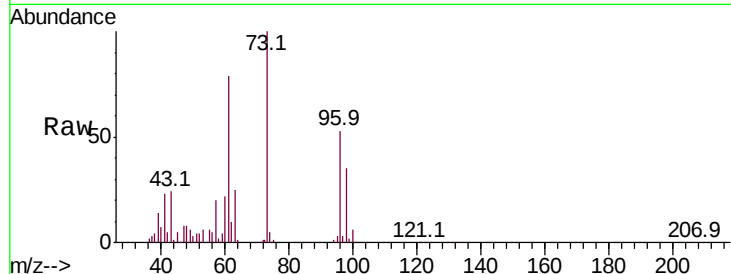
ClientSampleId :

VW0313SBS01

Tot Ion:	96	Resp:	61469
Ion	Ratio	Lower	Upper
96	100		
61	147.2	111.0	166.6
98	66.4	49.4	74.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.442 ug/l

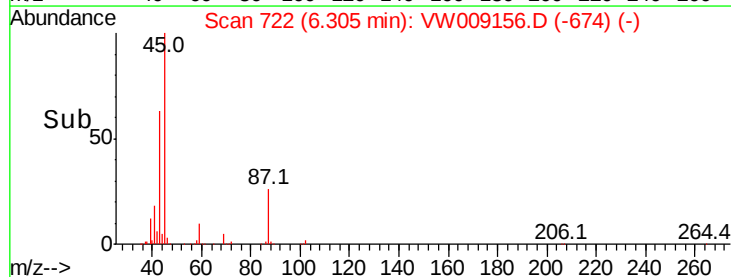
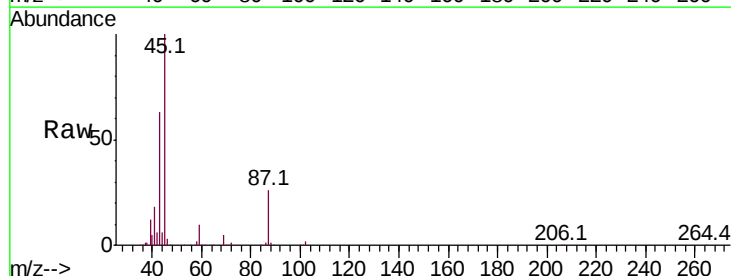
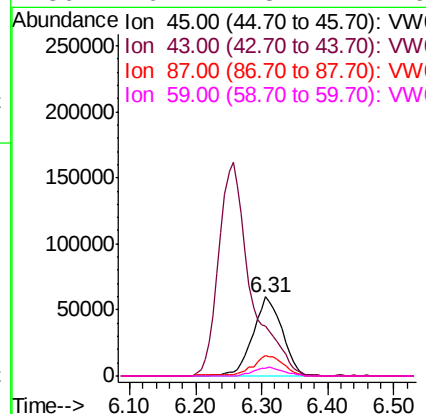
RT: 6.31 min Scan# 722

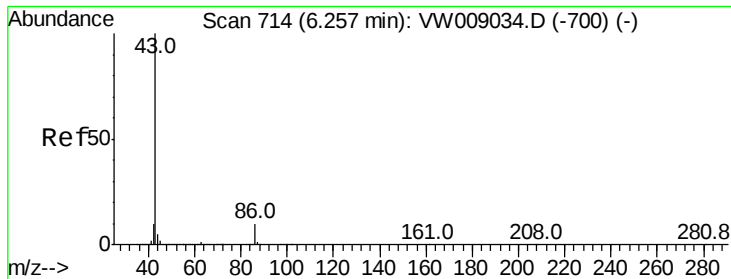
Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	45	Resp:	185420
Ion	Ratio	Lower	Upper
45	100		
43	62.3	46.2	69.4
87	25.9	20.1	30.1
59	10.2	8.4	12.6





#23

Vinyl Acetate

Concen: 96.215 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 43 Resp: 543098

Ion Ratio Lower Upper

43 100

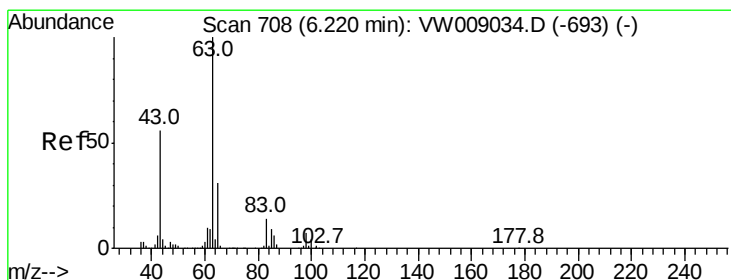
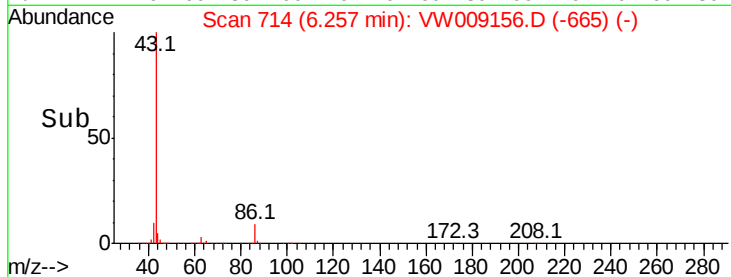
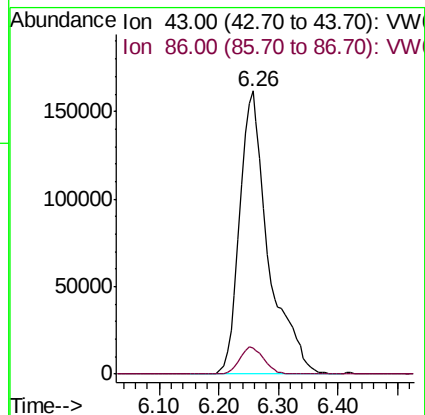
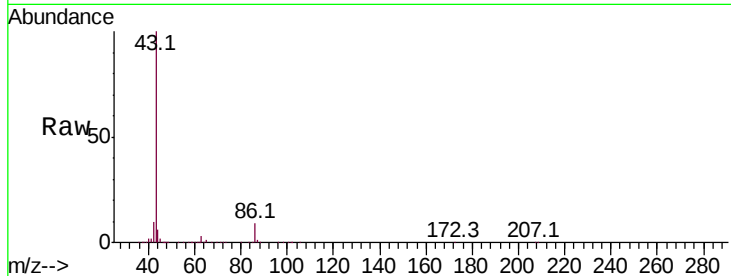
86 9.3 7.6 11.4

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 20.722 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

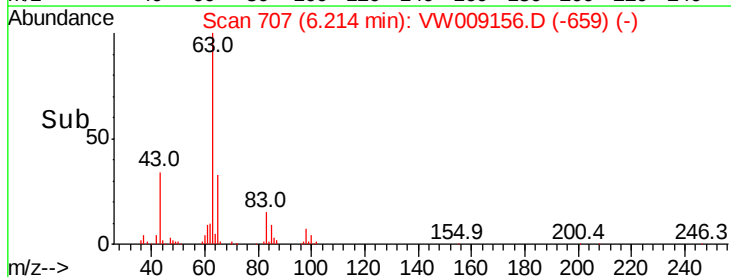
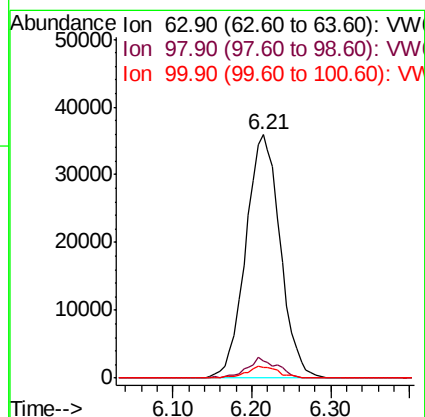
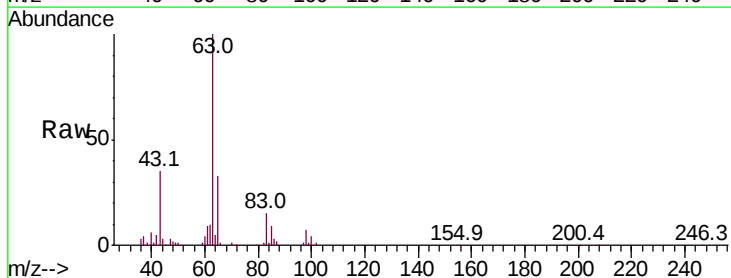
Tgt Ion: 63 Resp: 109025

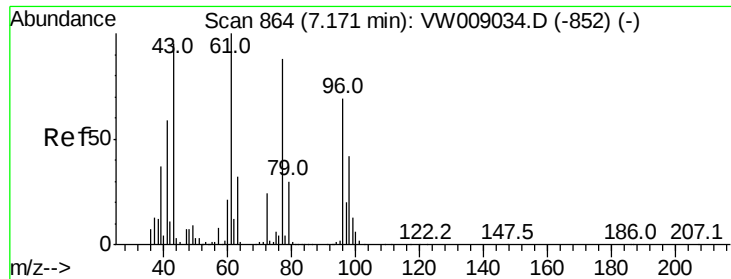
Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.1 2.1 6.2





#25

2-Butanone

Concen: 87.110 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

VW0313SBS01

Tot Ion: 43 Resp: 78694

Ion Ratio Lower Upper

43 100

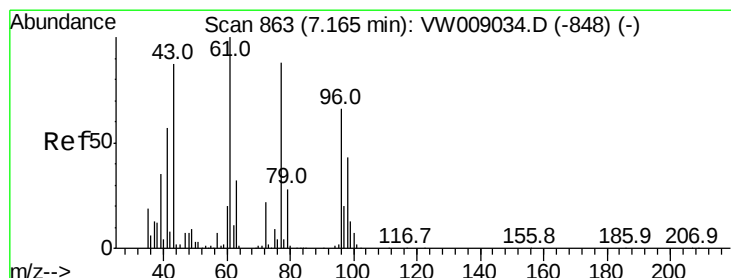
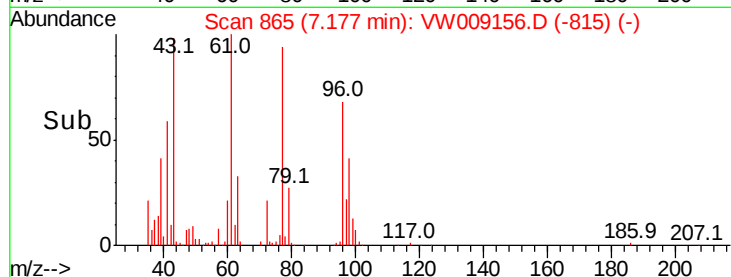
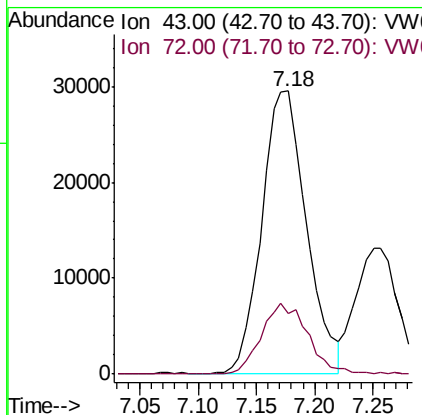
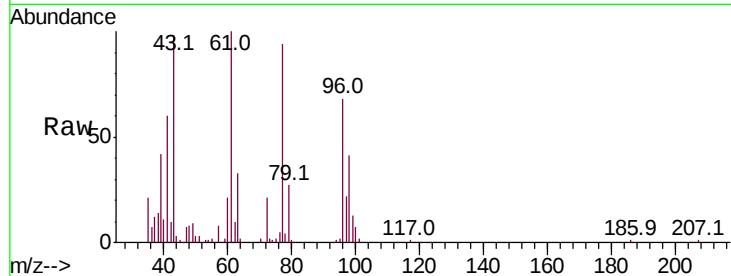
72 21.5 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.733 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009156.D

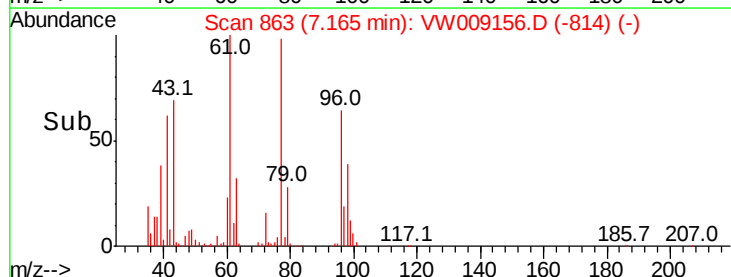
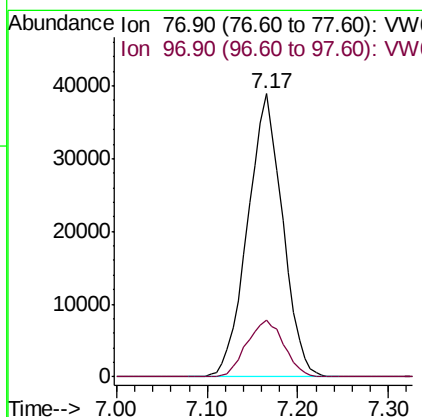
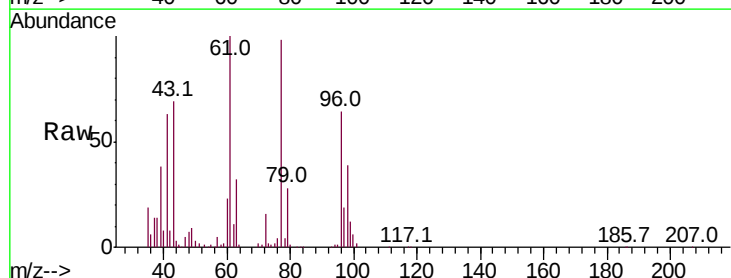
Acq: 13 Mar 2019 15:35

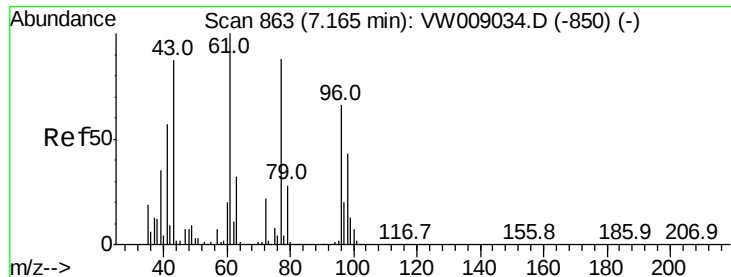
Tgt Ion: 77 Resp: 103934

Ion Ratio Lower Upper

77 100

97 21.4 10.9 32.9





#27

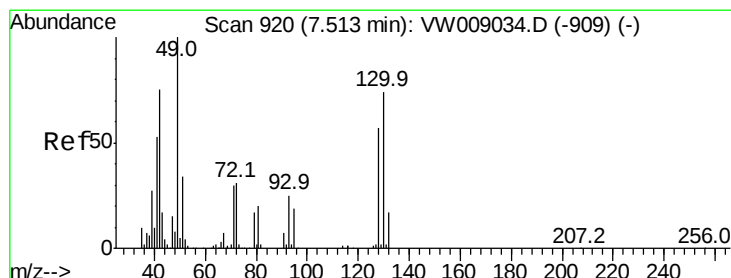
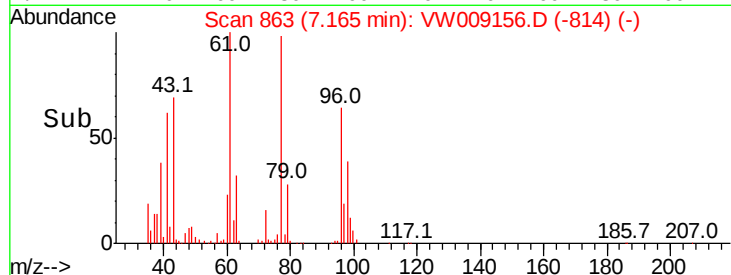
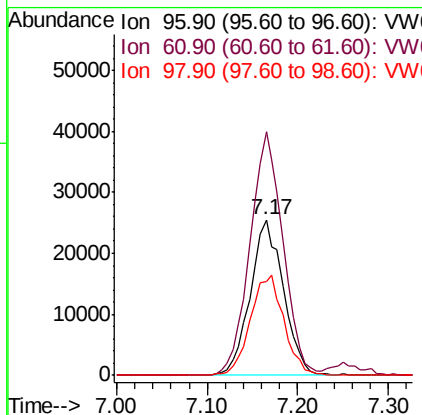
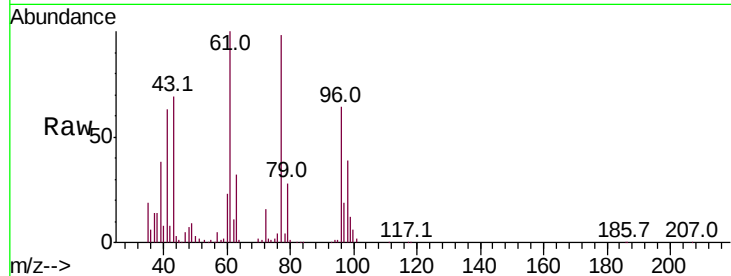
cis-1,2-Dichloroethene
 Concen: 20.131 ug/l
 RT: 7.17 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.3	0.0	299.8
98	65.1	0.0	127.2

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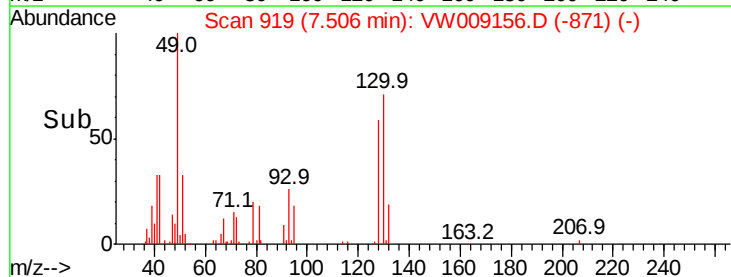
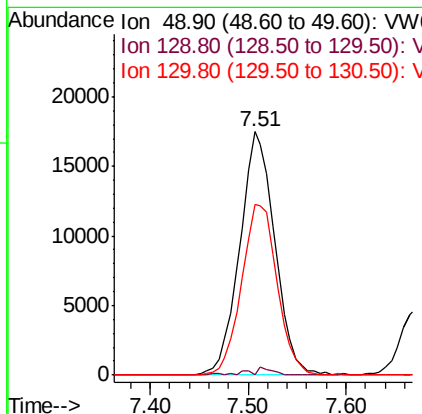
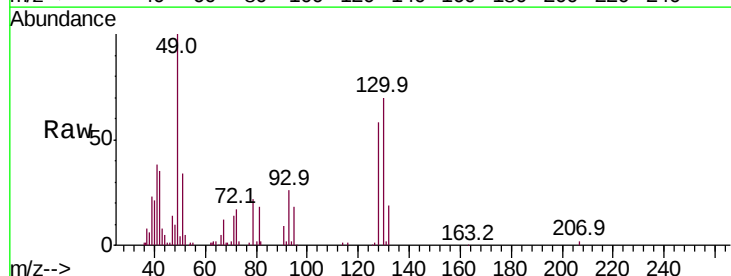
MMDadoda
 3/14/2019 12:43:35 PM

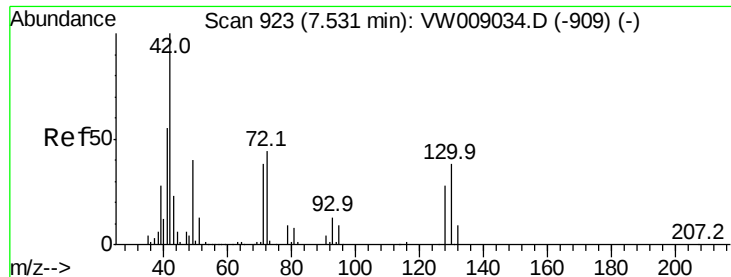


#28

Bromochloromethane
 Concen: 19.891 ug/l
 RT: 7.51 min Scan# 919
 Delta R.T. -0.01 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.6
130	71.3	60.4	90.6





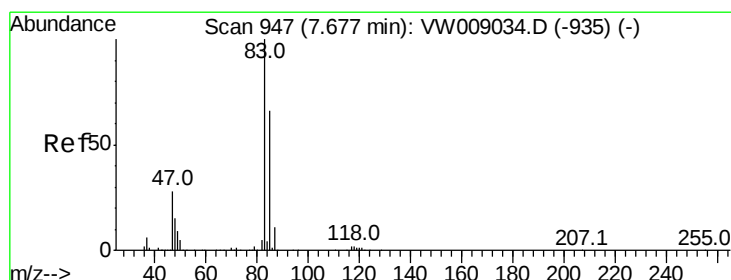
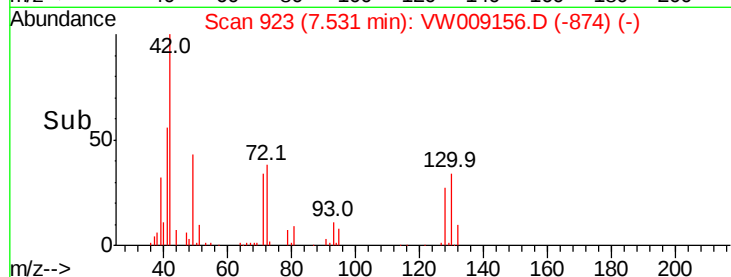
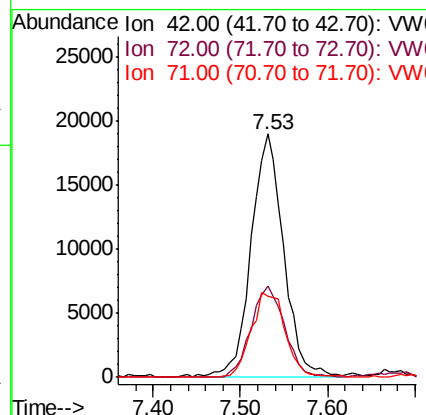
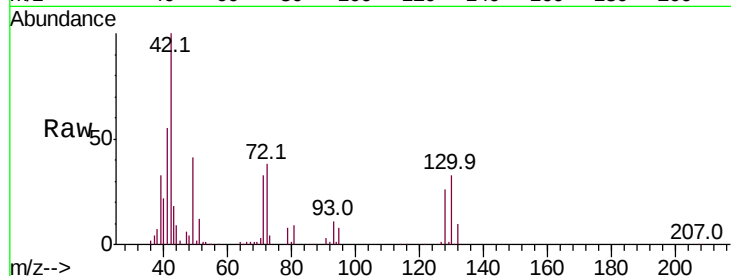
#29
Tetrahydrofuran
Concen: 85.576 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.1	32.2	48.4
71	36.7	30.7	46.1

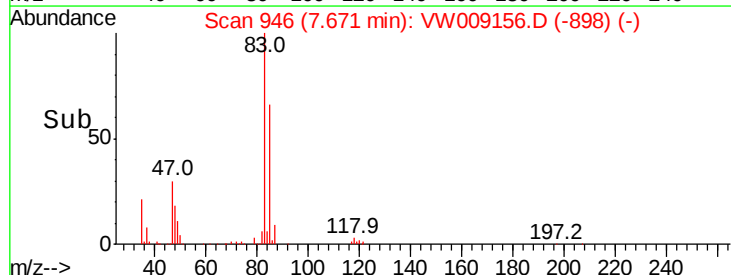
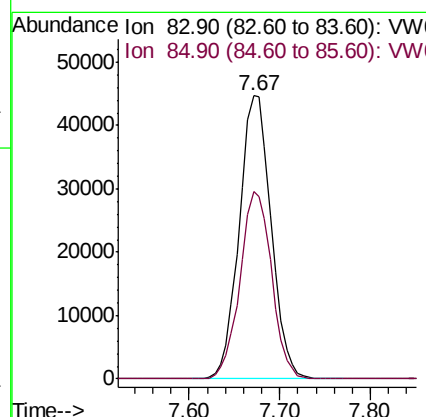
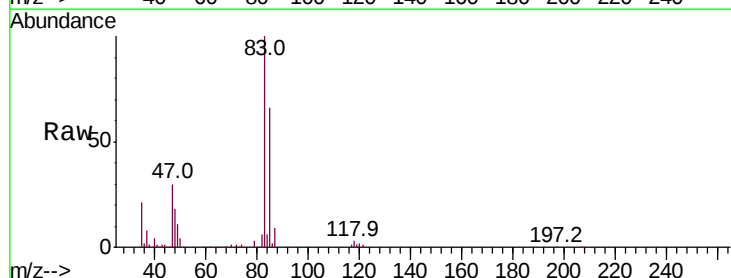
Manual Integrations
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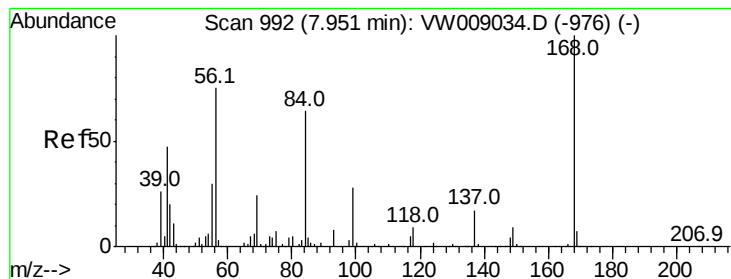
MMDadoda
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#30
Chloroform
Concen: 20.115 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	53.0	79.6





#31

Cyclohexane

Concen: 21.227 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 56 Resp: 114672

Ion Ratio Lower Upper

56 100

69 36.0 25.5 38.3

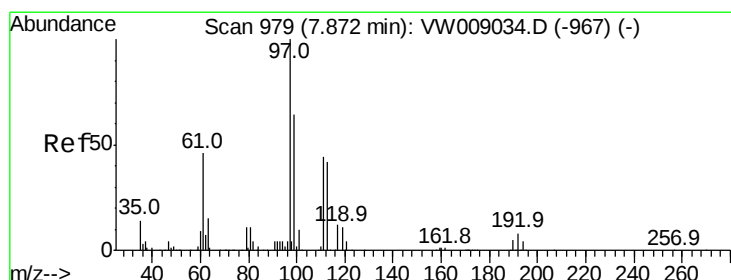
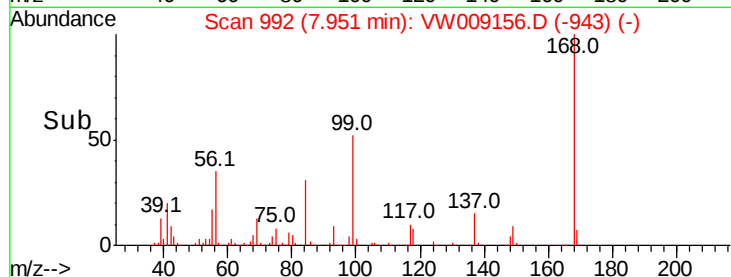
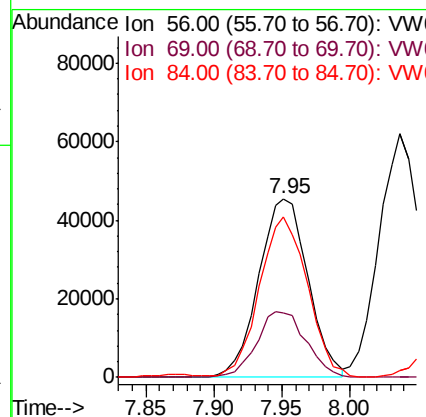
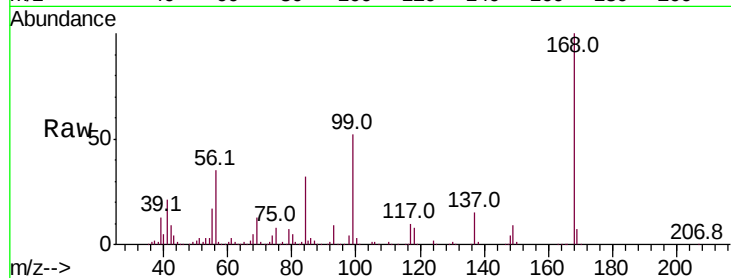
84 88.9 68.6 103.0

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.994 ug/l

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

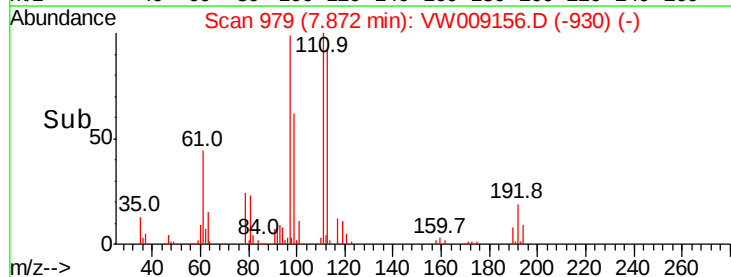
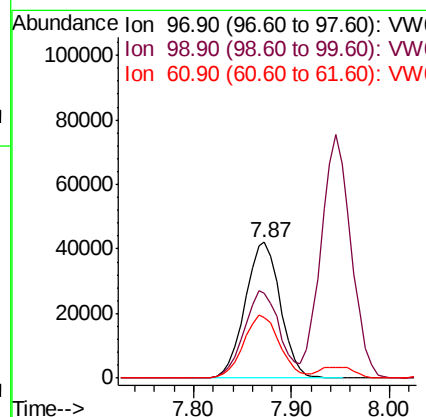
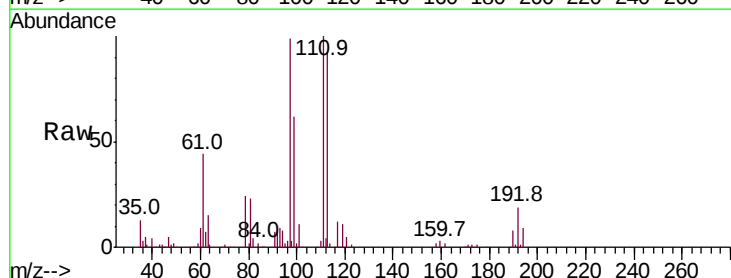
Tgt Ion: 97 Resp: 104945

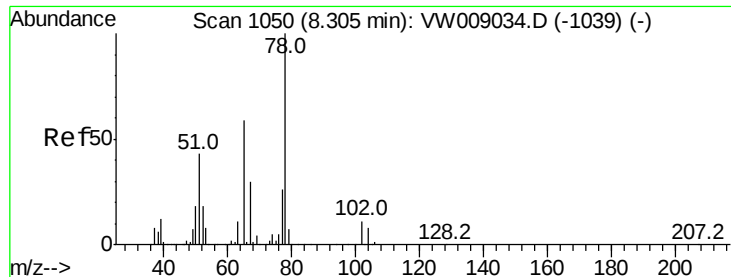
Ion Ratio Lower Upper

97 100

99 65.2 51.8 77.8

61 47.7 37.3 55.9





#33

1,2-Dichloroethane-d4

Concen: 45.858 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

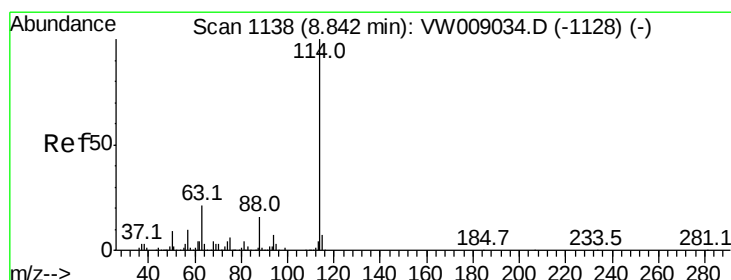
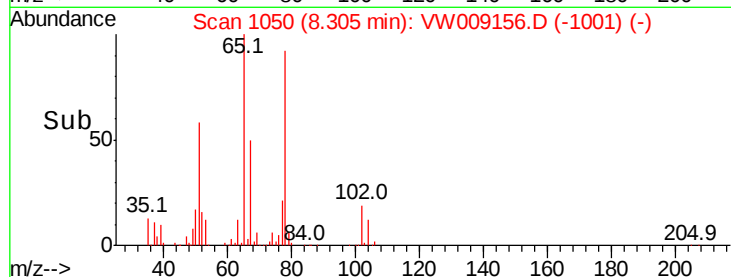
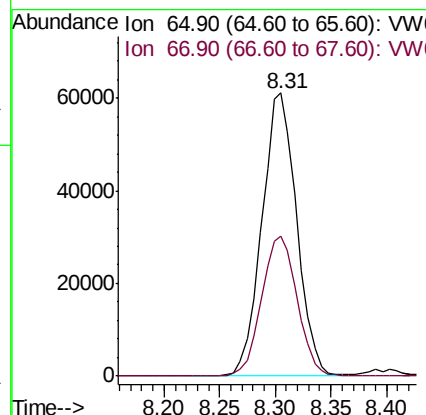
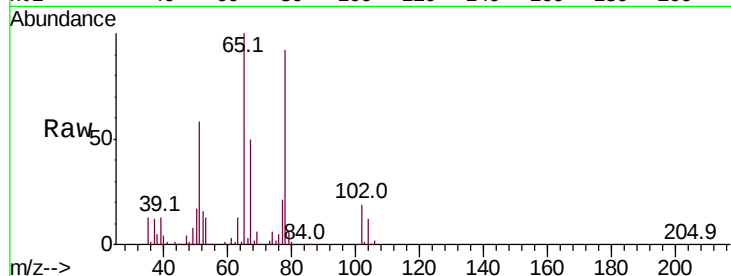
Instrument :
MSVOA_W

ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6	0.0	103.0	

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

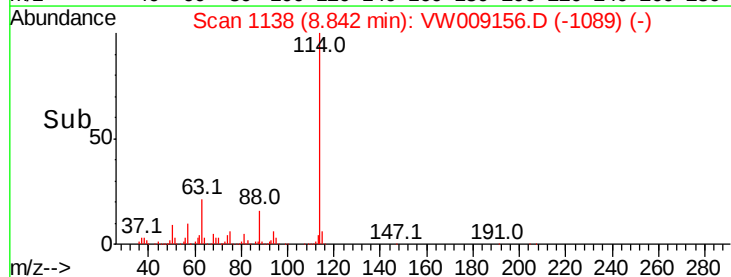
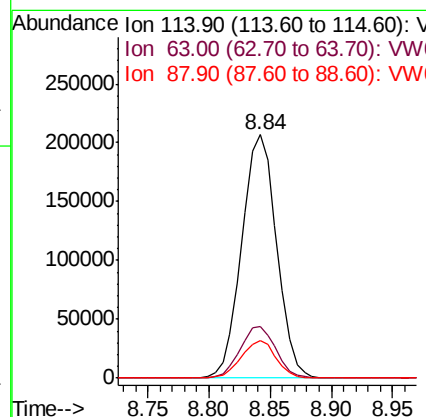
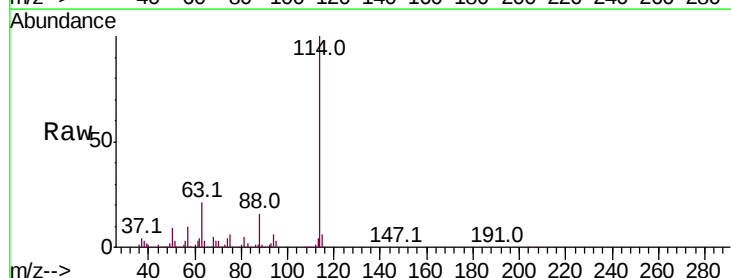
RT: 8.84 min Scan# 1138

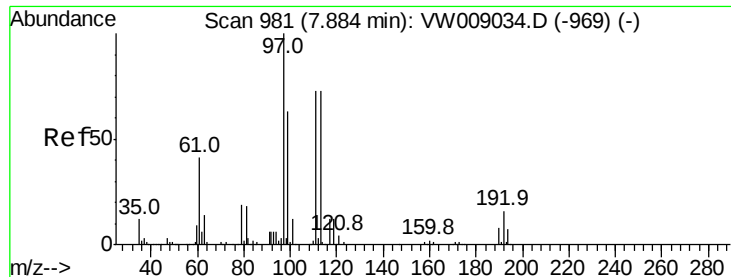
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.3	0.0	41.2	
88	15.5	0.0	31.2	





#35

Dibromofluoromethane

Concen: 47.478 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:113 Resp: 117203

Ion Ratio Lower Upper

113 100

111 102.0 81.0 121.4

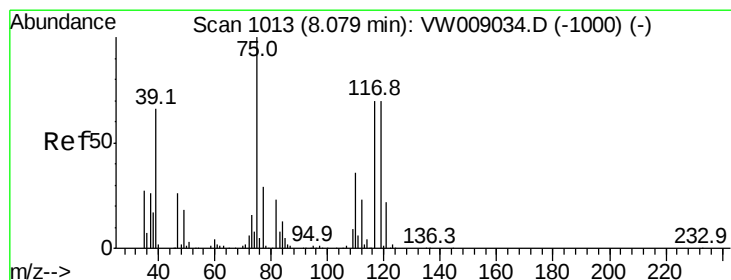
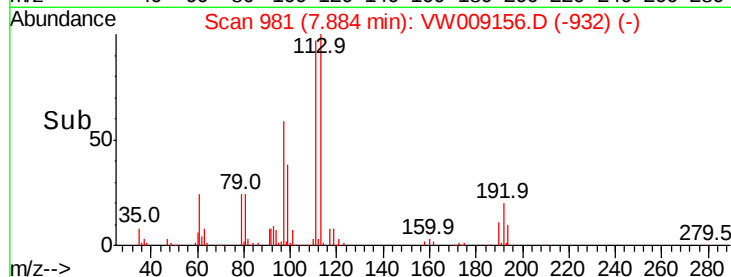
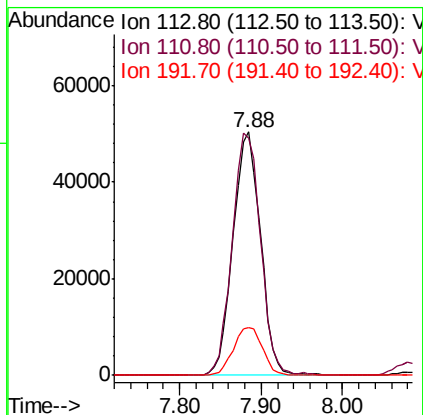
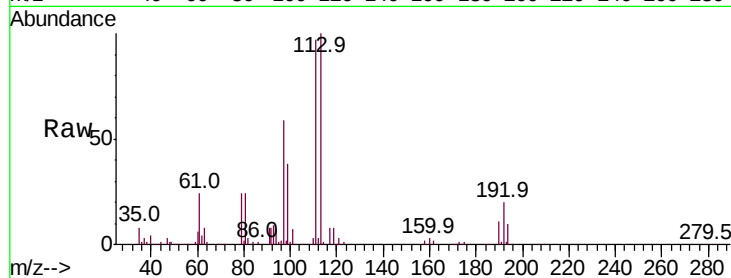
192 20.7 17.1 25.7

Manual Integrations

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#36

1,1-Dichloropropene

Concen: 21.778 ug/l

RT: 8.08 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

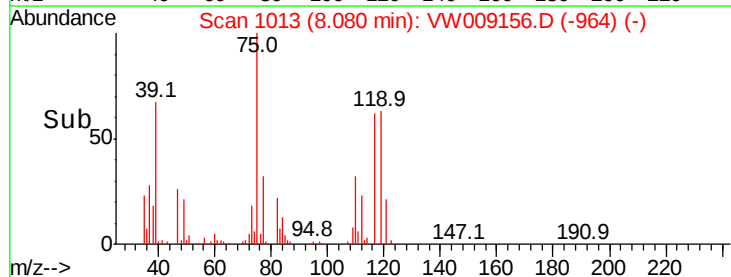
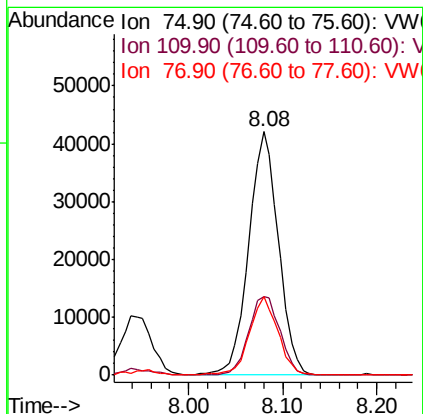
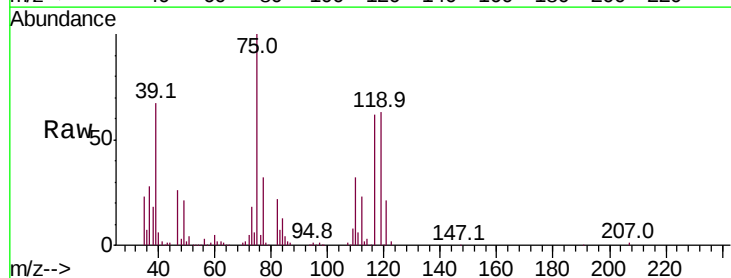
Tgt Ion: 75 Resp: 93362

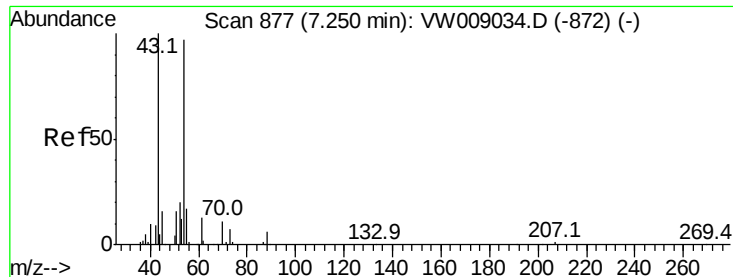
Ion Ratio Lower Upper

75 100

110 33.7 17.6 52.9

77 30.9 25.1 37.7





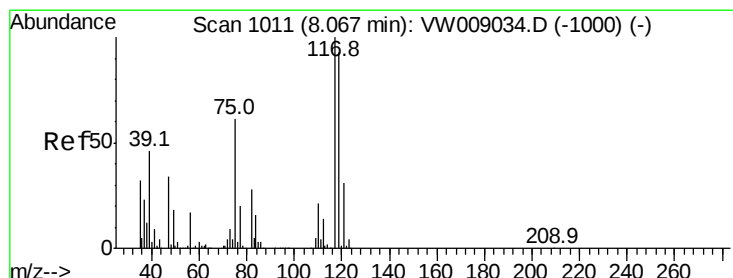
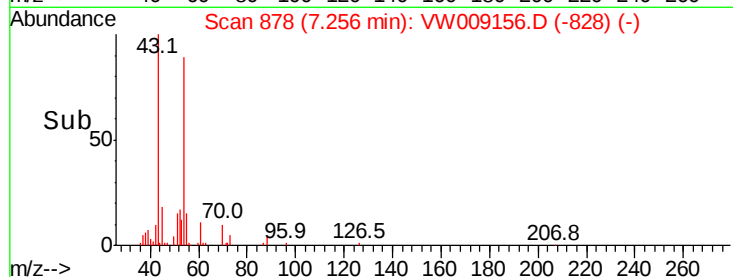
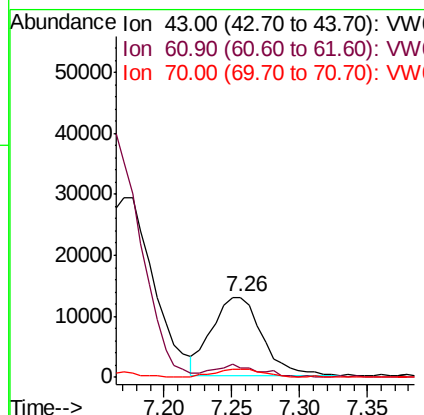
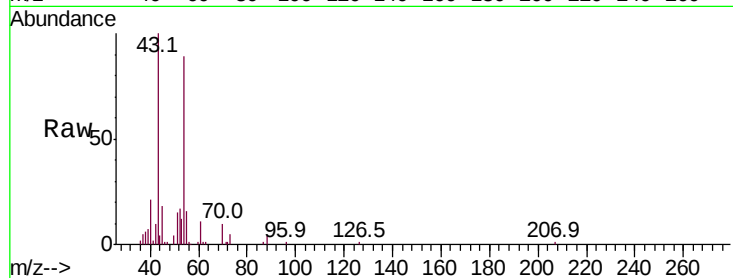
#37
Ethyl Acetate
Concen: 16.416 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleID :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	9.8	14.6
70	10.5	7.2	10.8

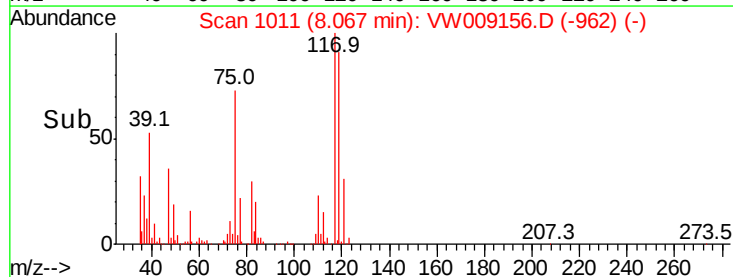
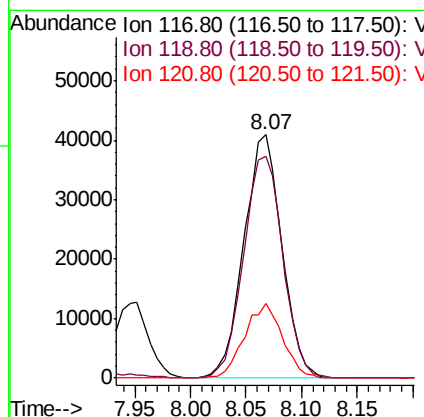
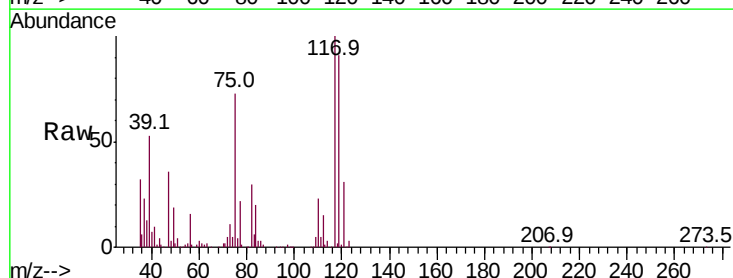
Manual Integrations
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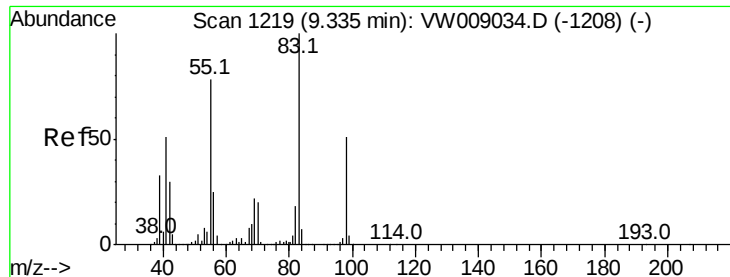
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.977 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	74.6	112.0
121	30.7	24.7	37.1





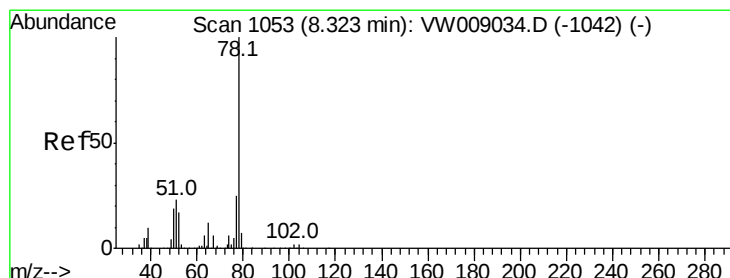
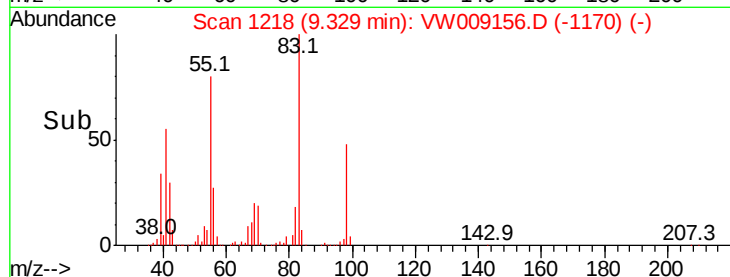
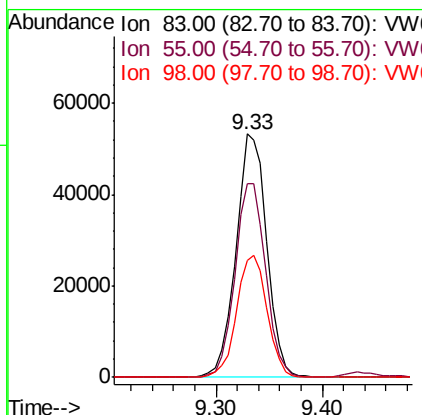
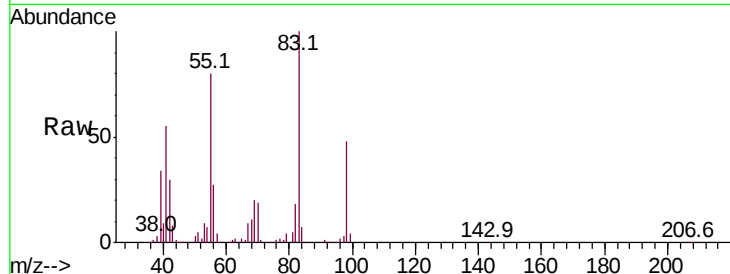
#39
Methvlcvclohexane
Concen: 21.116 ug/l
RT: 9.33 min Scan# 1219
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.6	62.7	94.1	
98	48.0	40.8	61.2	

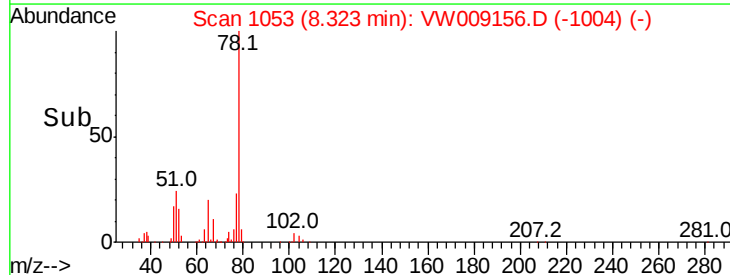
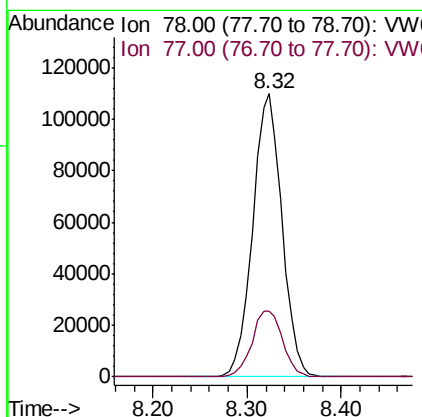
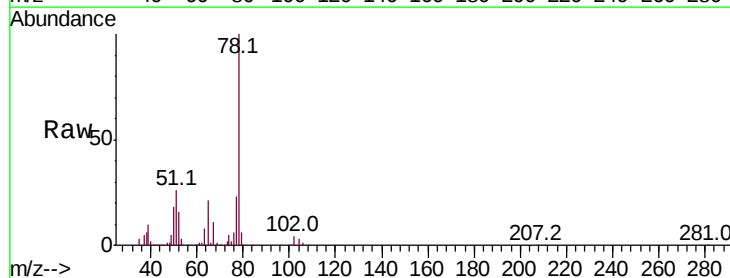
Manual Integrations
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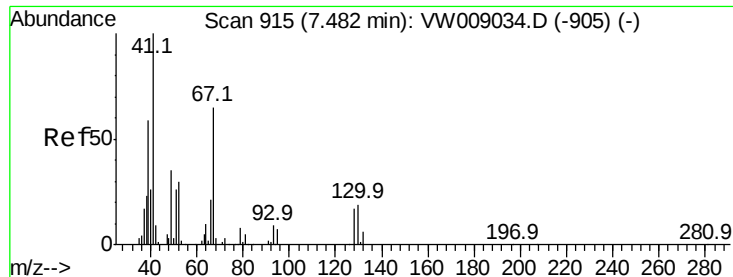
MMDadoda
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#40
Benzene
Concen: 20.918 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	20.2	30.4	





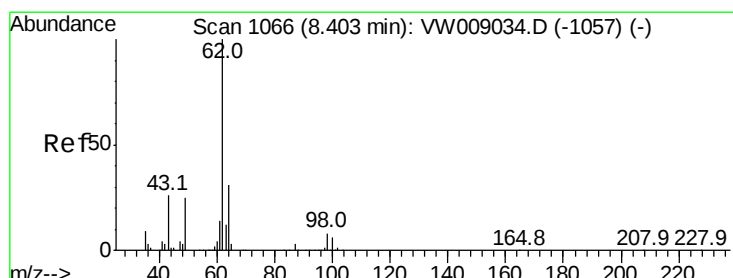
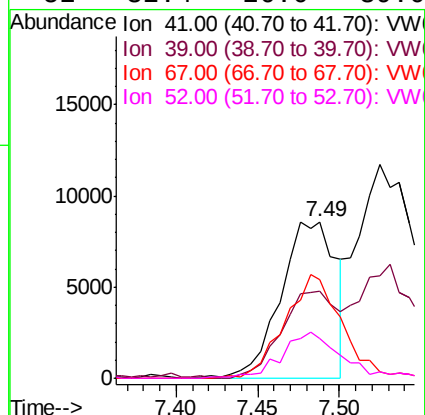
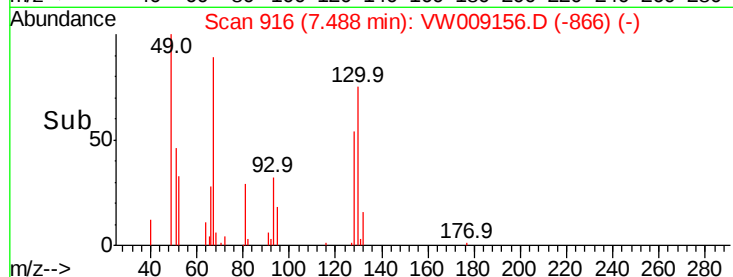
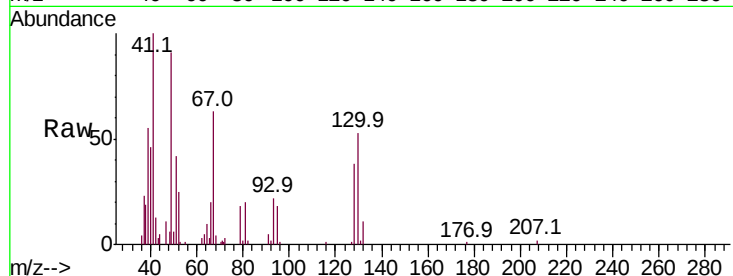
#41
Methacrylonitrile
Concen: 18.226 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	55.4	53.6	80.4
67	68.0	57.6	86.4
52	32.4	26.0	39.0

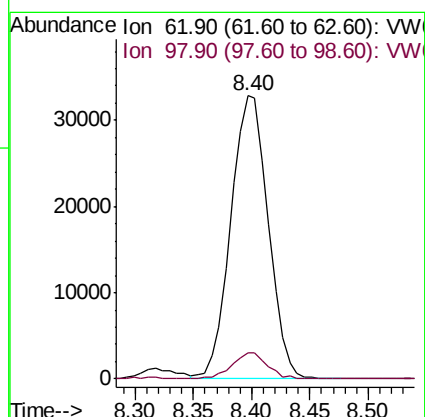
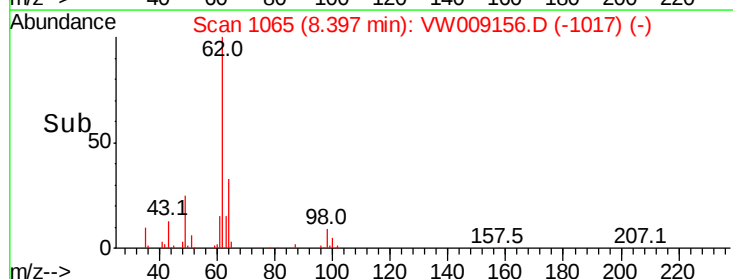
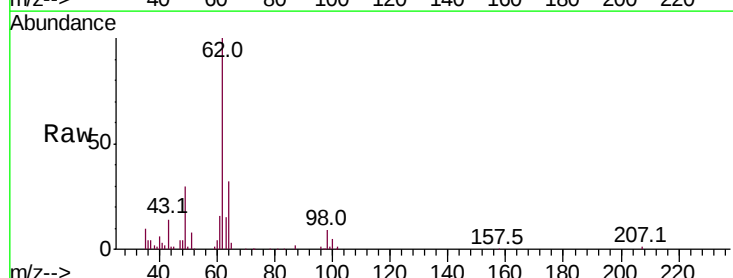
Manual Integrations
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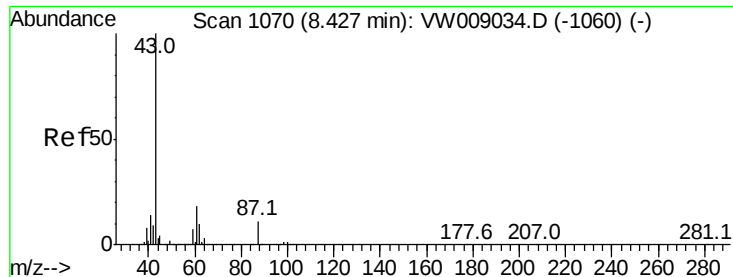
MMDadoda
3/14/2019 12:43:35 PM



#42
1,2-Dichloroethane
Concen: 19.917 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.6





#43

Isopropyl Acetate

Concen: 18.131 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

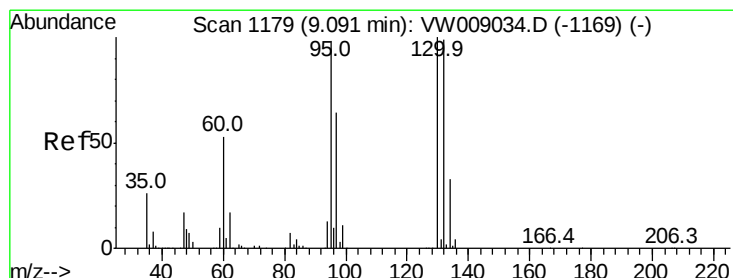
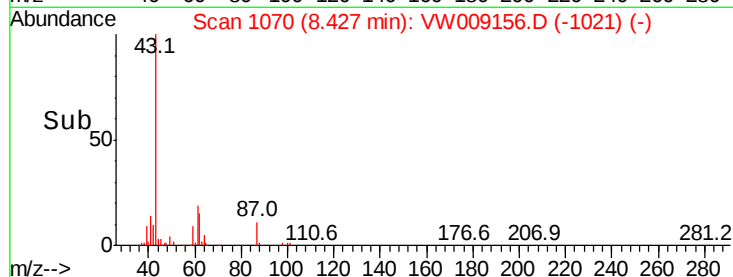
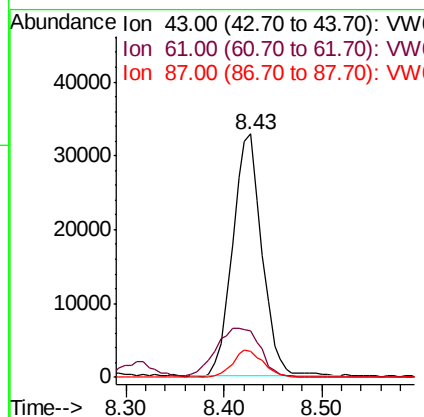
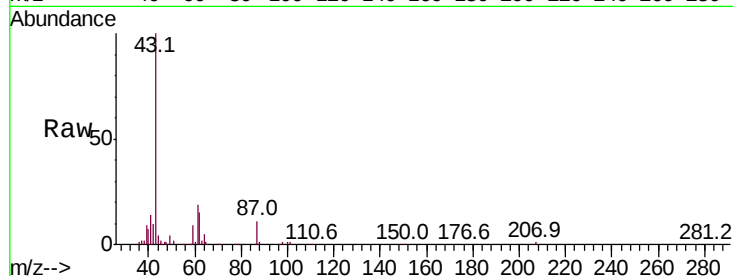
ClientSampleId :

VW0313SBS01

Tot Ion:	43	Resp:	67999
Ion	Ratio	Lower	Upper
43	100		
61	31.1	22.8	34.2
87	11.7	9.4	14.2

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#44

Trichloroethene

Concen: 20.617 ug/l

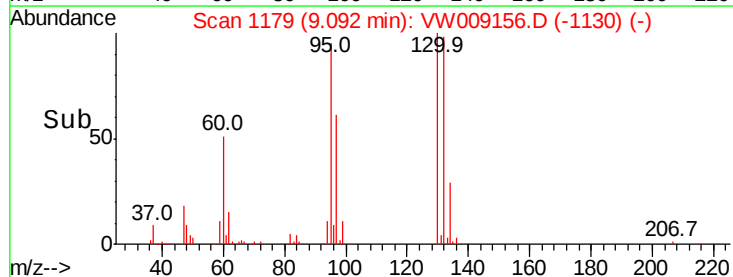
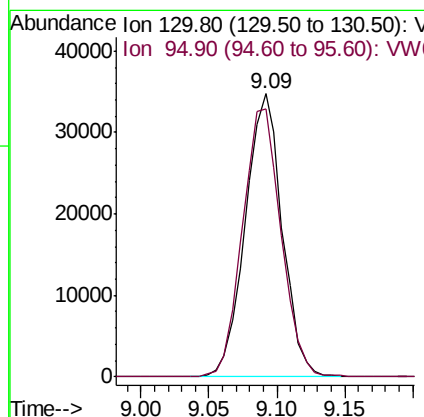
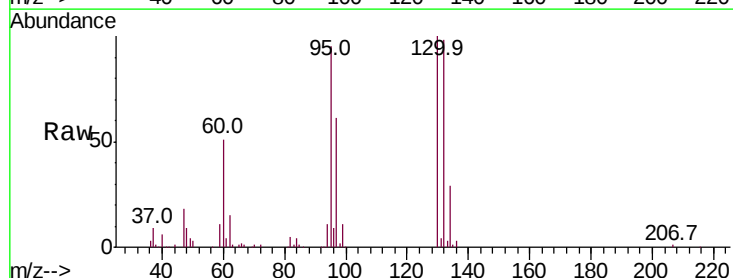
RT: 9.09 min Scan# 1179

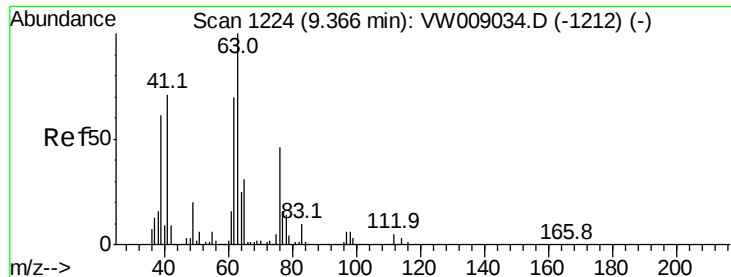
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	130	Resp:	66130
Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	197.0





#45

1,2-Dichloropropane

Concen: 21.098 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 63 Resp: 60472

Ion Ratio Lower Upper

63 100

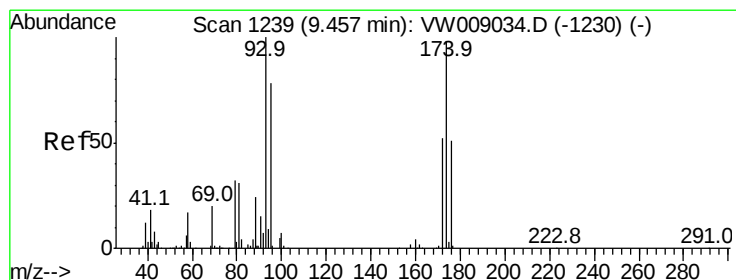
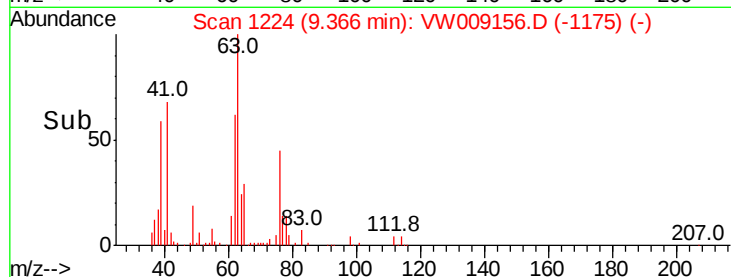
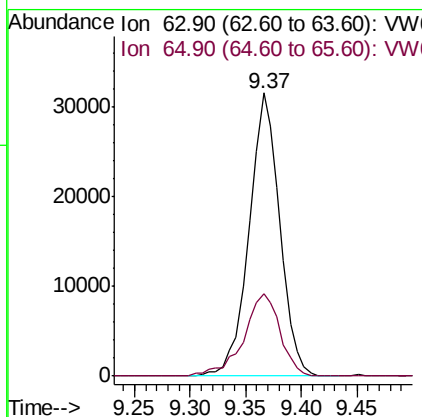
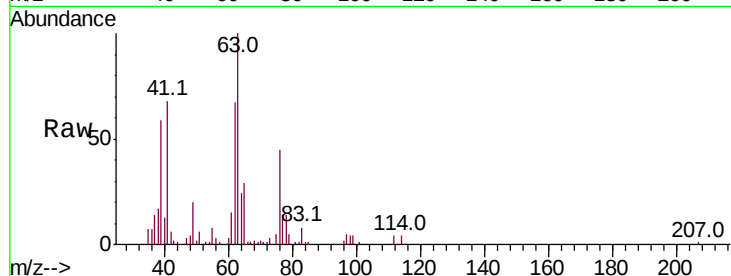
65 29.3 24.9 37.3

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#46

Dibromomethane

Concen: 19.622 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

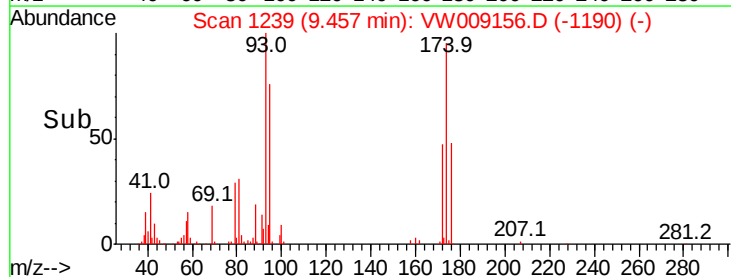
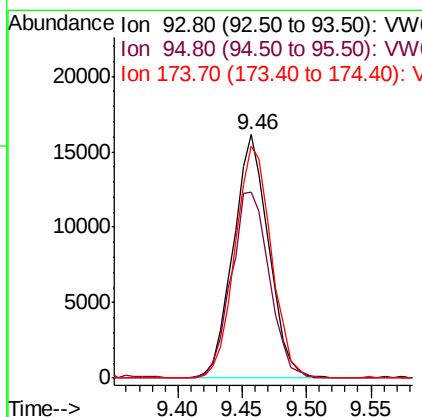
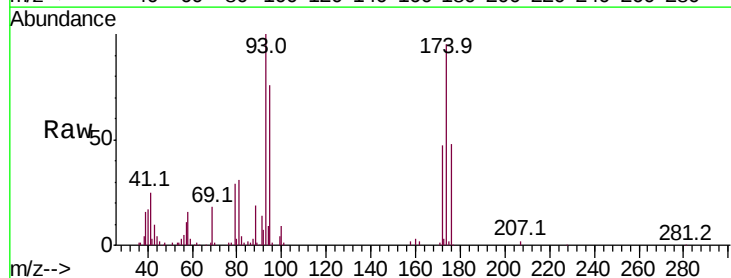
Tgt Ion: 93 Resp: 30716

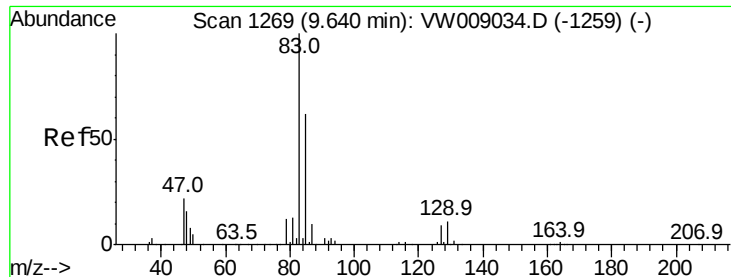
Ion Ratio Lower Upper

93 100

95 82.2 65.0 97.6

174 97.5 81.8 122.6





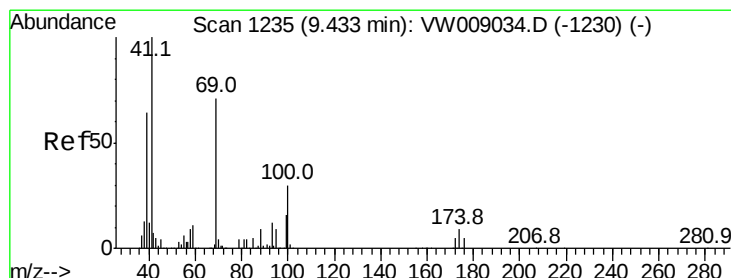
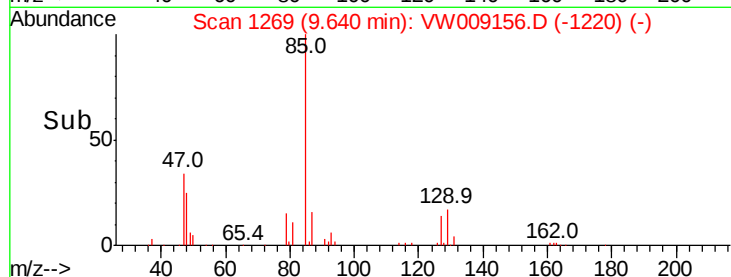
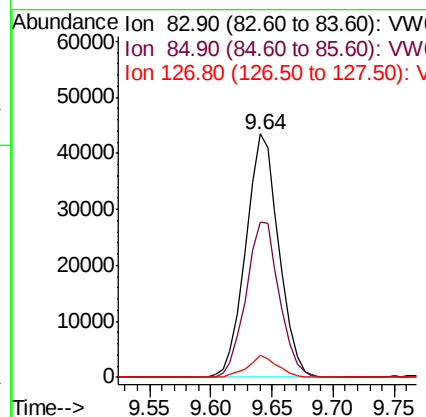
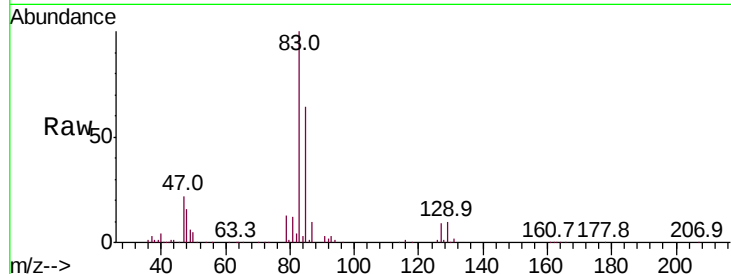
#47
Bromodichloromethane
Concen: 20.487 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	49.9	74.9	
127	9.1	7.1	10.7	

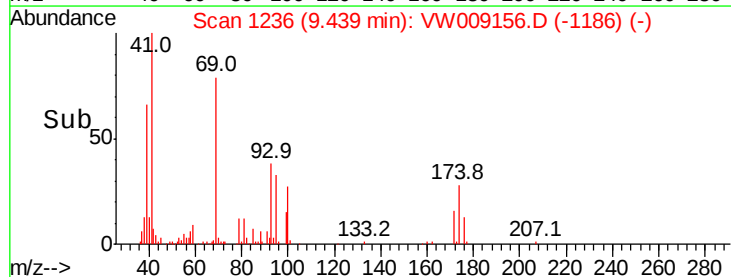
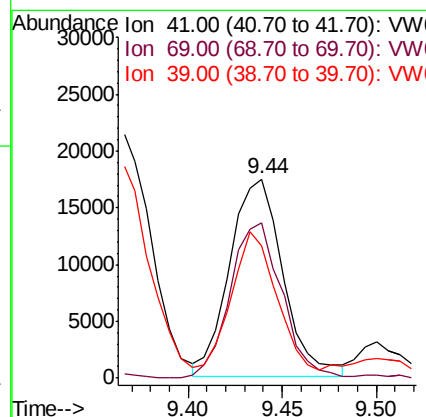
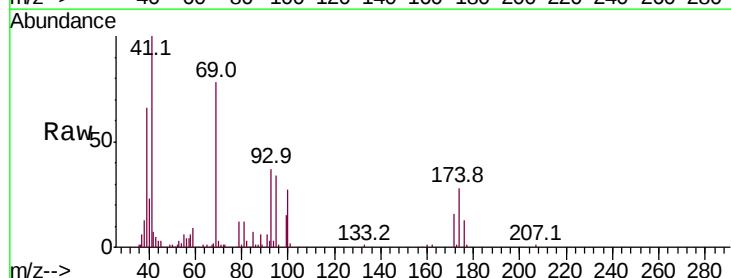
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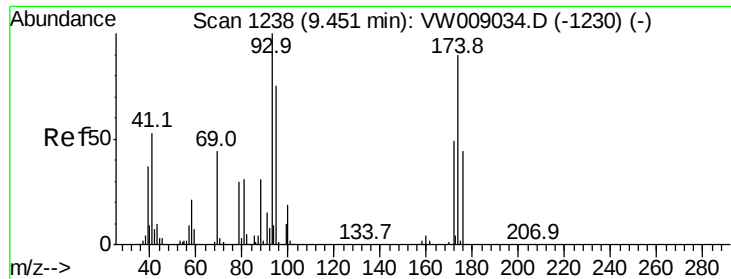
MMDadoda
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#48
Methyl methacrylate
Concen: 19.707 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	76.1	59.1	88.7	
39	57.9	48.9	73.3	





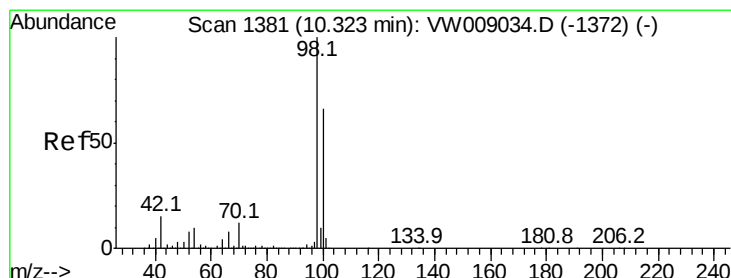
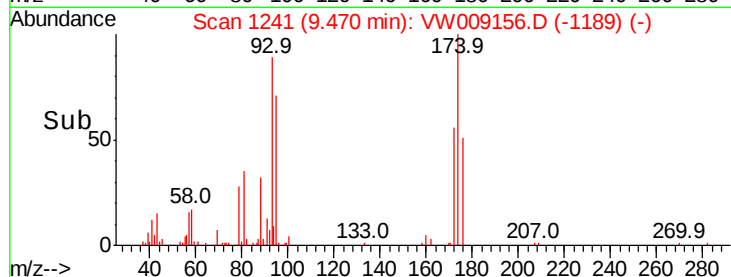
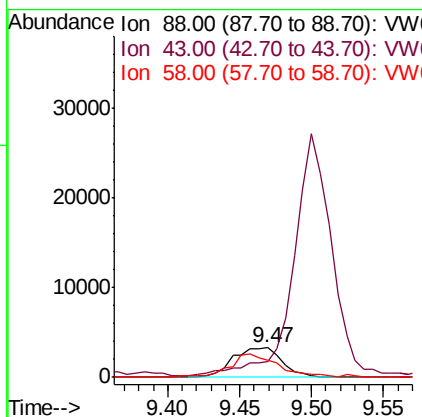
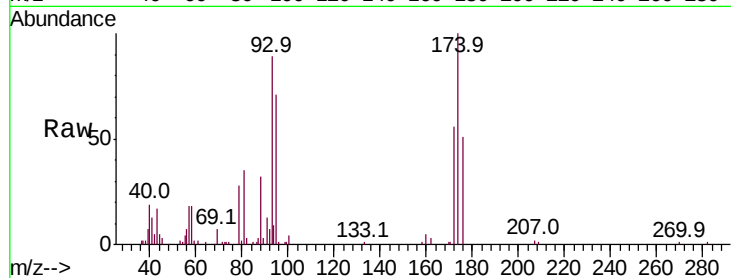
#49
1,4-Dioxane
Concen: 351.317 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. 0.02 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	79.3	59.2	88.8

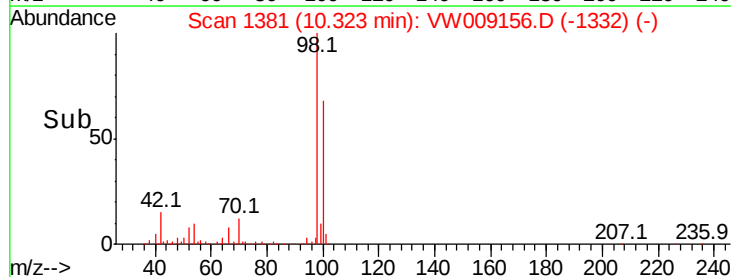
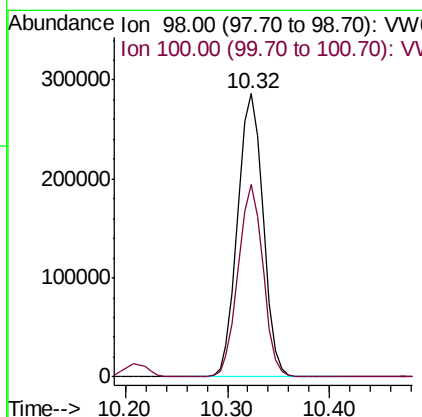
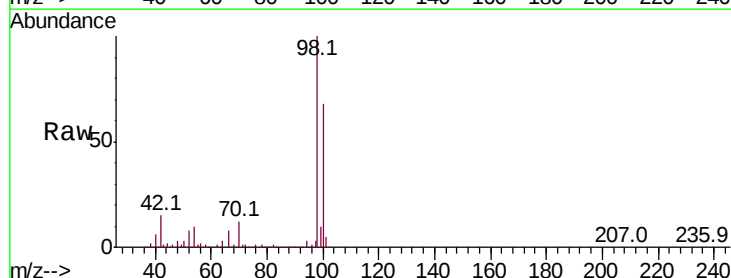
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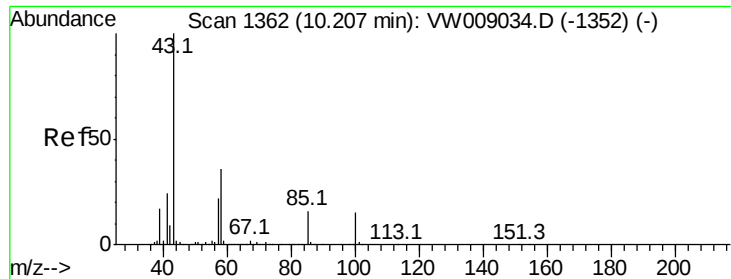
MMDadoda
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#50
Toluene-d8
Concen: 48.813 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 90.023 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

VW0313SBS01

Tot Ion: 43 Resp: 171401

Ion Ratio Lower Upper

43 100

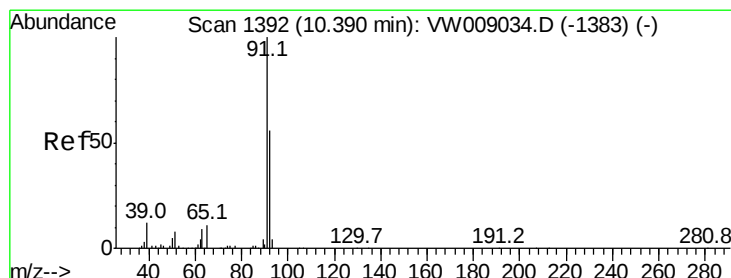
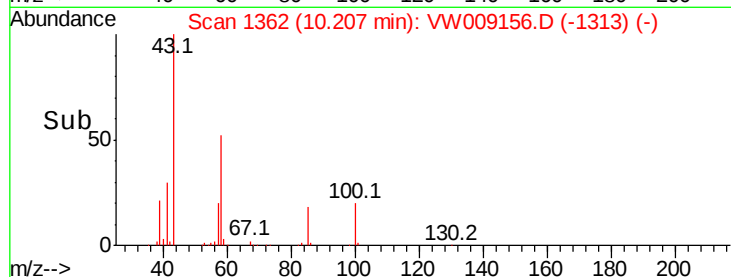
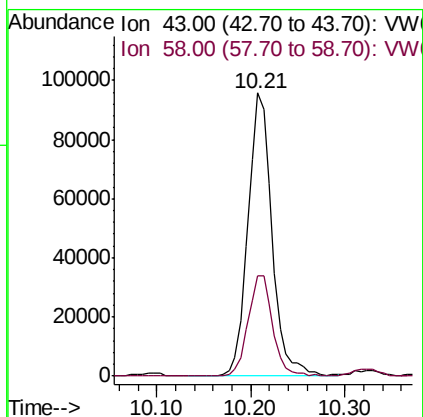
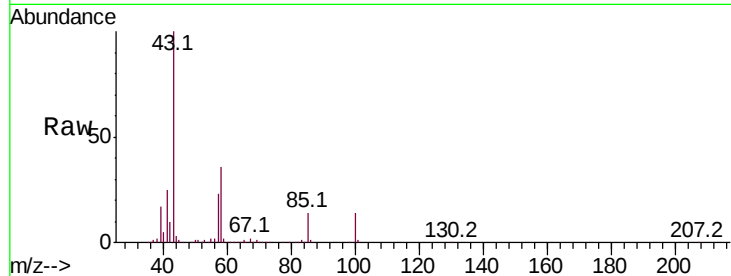
58 36.4 28.8 43.2

Manual Integrations

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#52

Toluene

Concen: 21.056 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009156.D

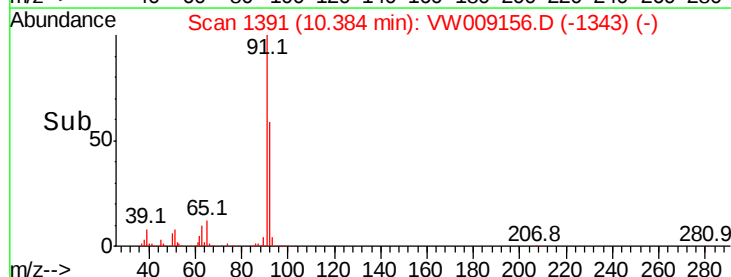
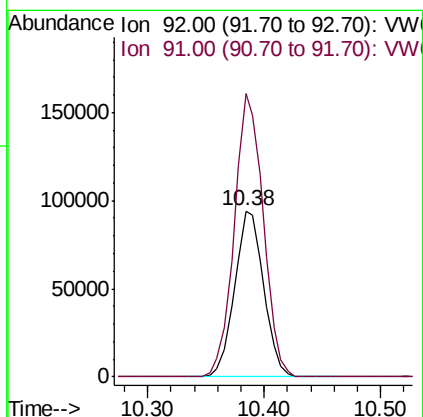
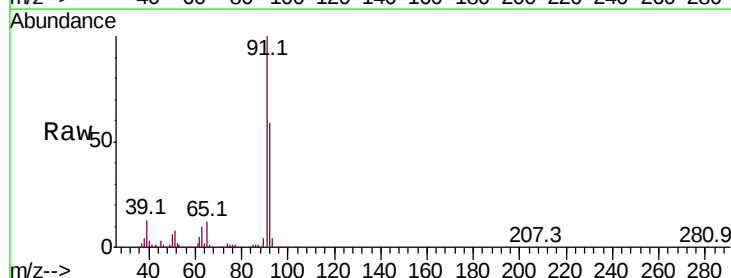
Acq: 13 Mar 2019 15:35

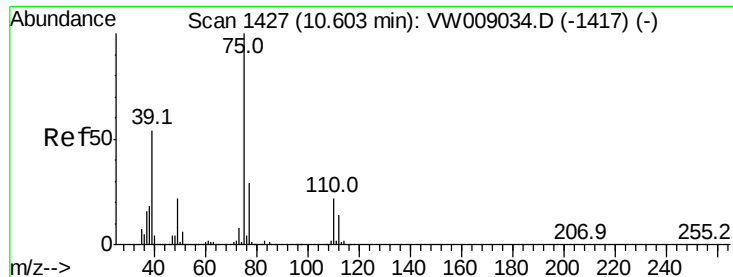
Tgt Ion: 92 Resp: 163423

Ion Ratio Lower Upper

92 100

91 170.5 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 19.795 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampled :

VW0313SBS01

Tot Ion: 75 Resp: 77577

Ion Ratio Lower Upper

75 100

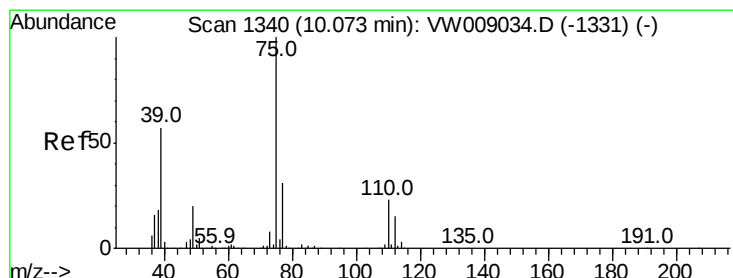
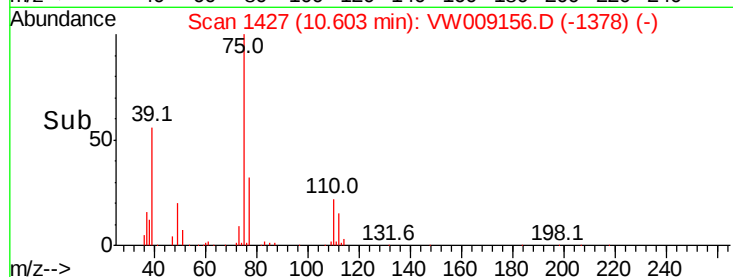
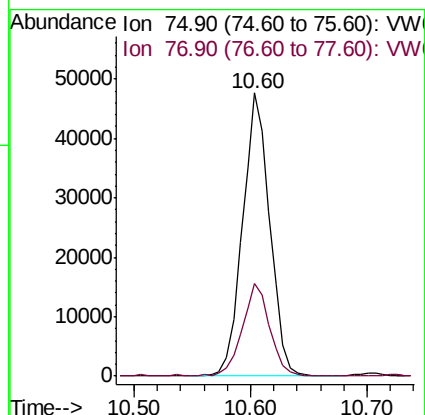
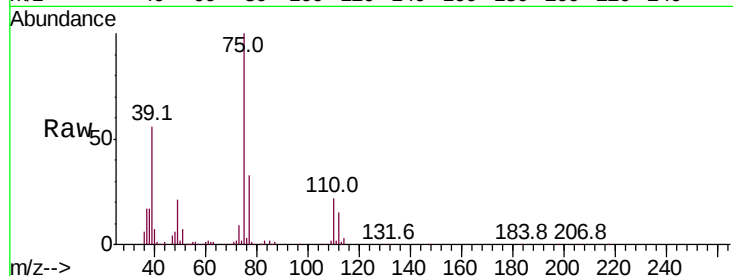
77 32.4 23.6 35.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.414 ug/l

RT: 10.07 min Scan# 1339

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

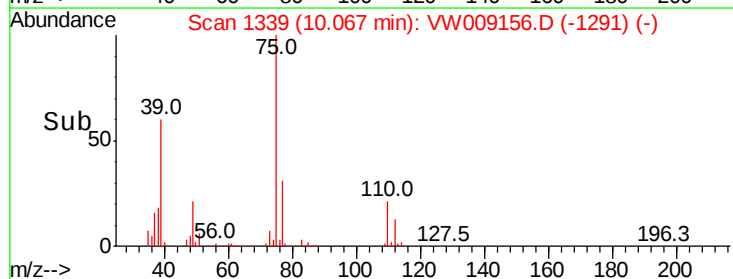
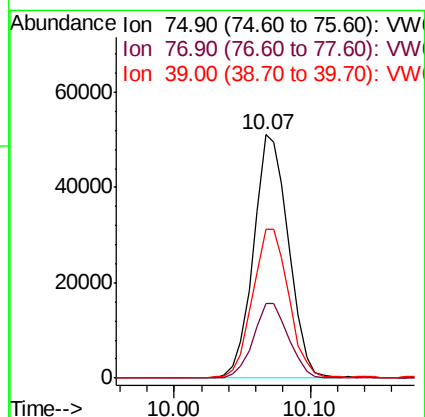
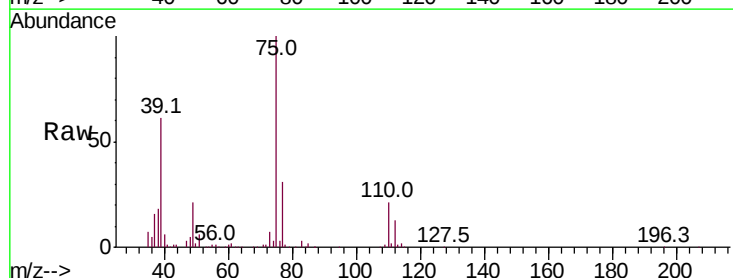
Tgt Ion: 75 Resp: 91937

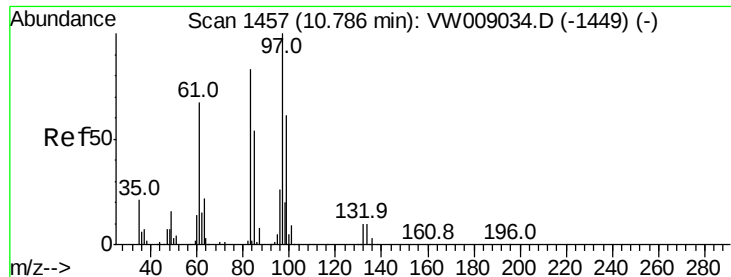
Ion Ratio Lower Upper

75 100

77 30.6 24.6 36.8

39 61.1 45.9 68.9





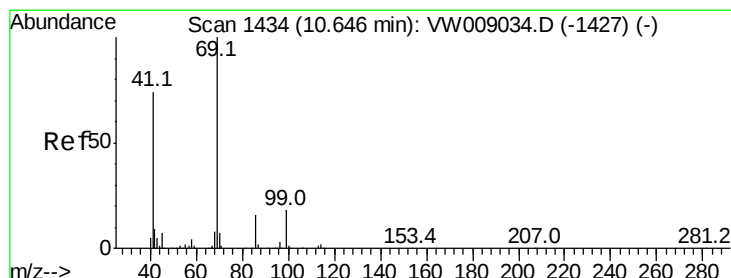
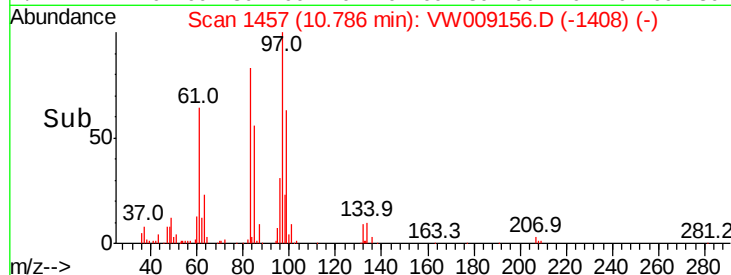
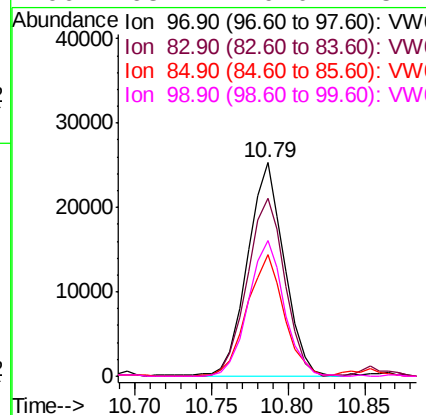
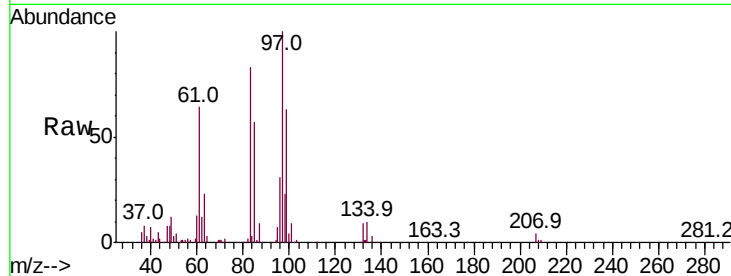
#55
 1,1,2-Trichloroethane
 Concen: 19.858 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		42132		
83	83.3	66.2	99.2		
85	56.9	43.6	65.4		
99	63.4	49.0	73.4		

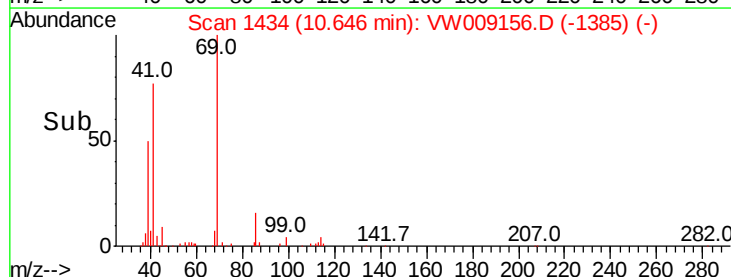
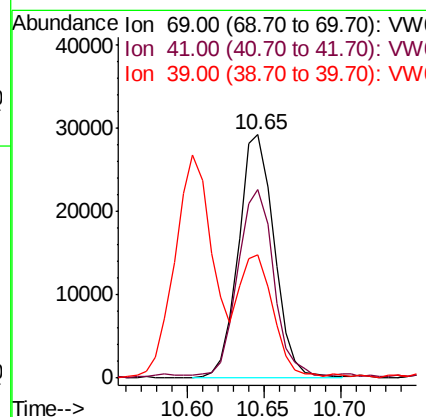
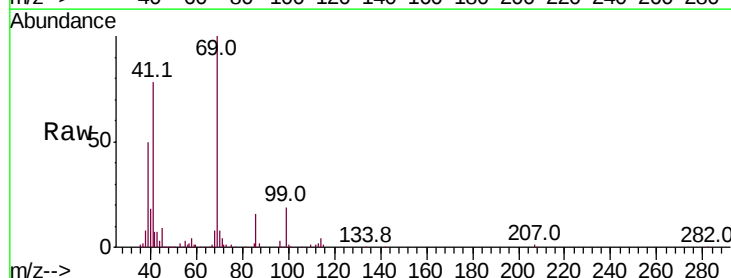
Manual Integrations
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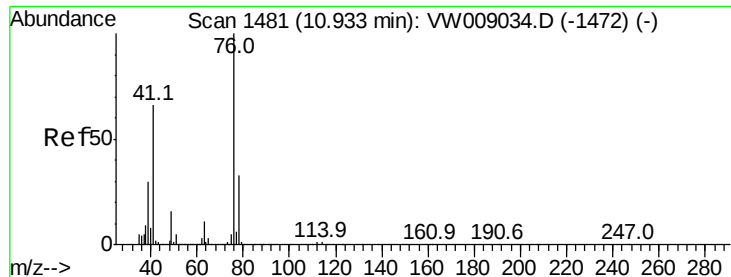
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 3/14/2019 12:43:35 PM



#56
 Ethyl methacrylate
 Concen: 18.119 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		47711		
41	75.4	59.4	89.2		
39	46.6	38.5	57.7		





#57

1,3-Dichloropropane

Concen: 19.512 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion: 76 Resp: 73337

Ion Ratio Lower Upper

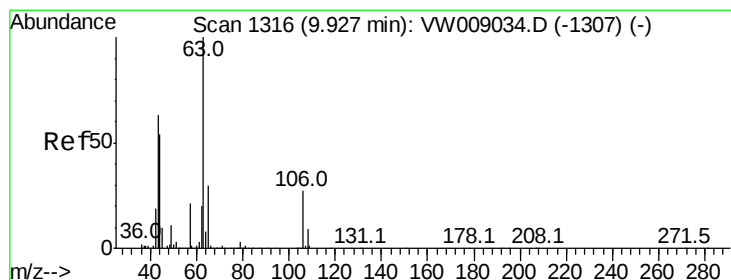
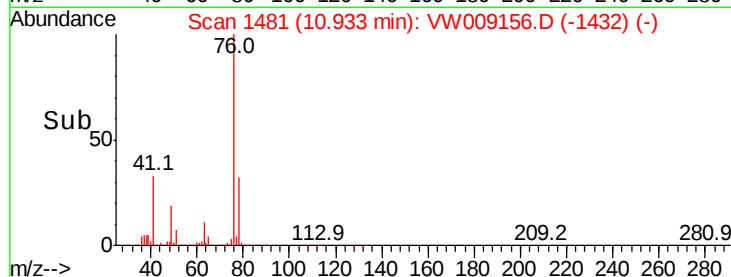
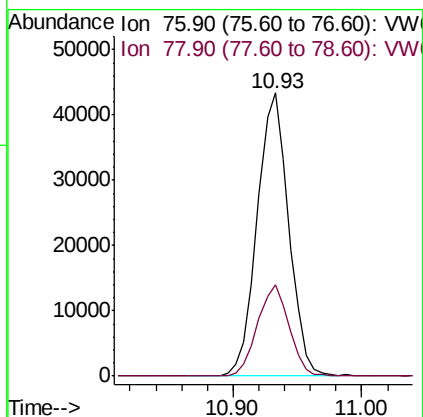
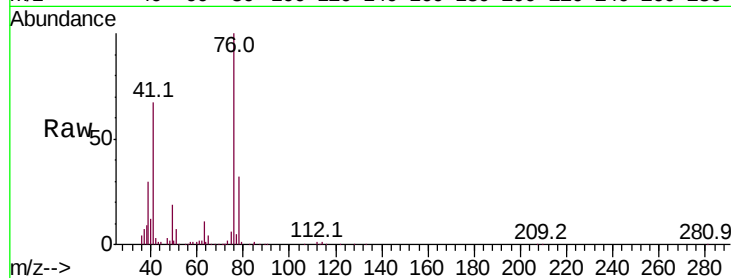
76 100

78 32.5 25.7 38.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 93.419 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VW009156.D

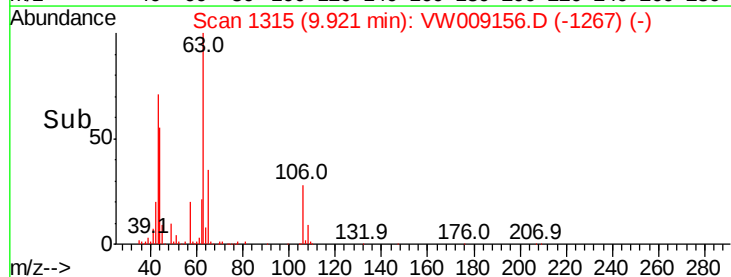
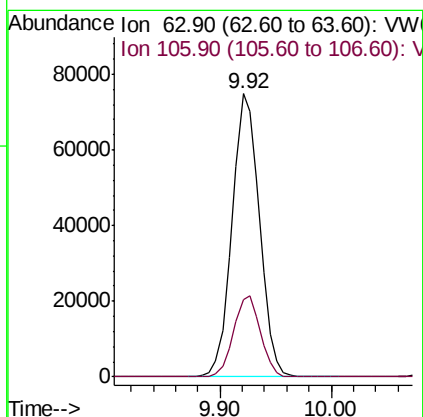
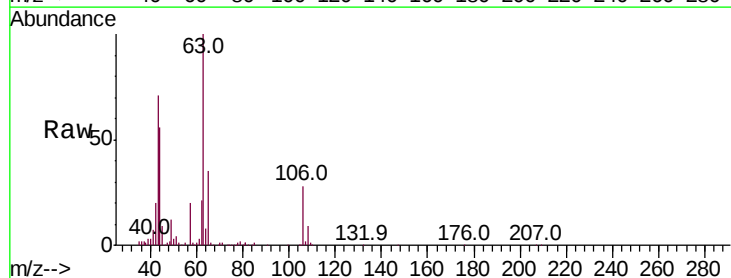
Acq: 13 Mar 2019 15:35

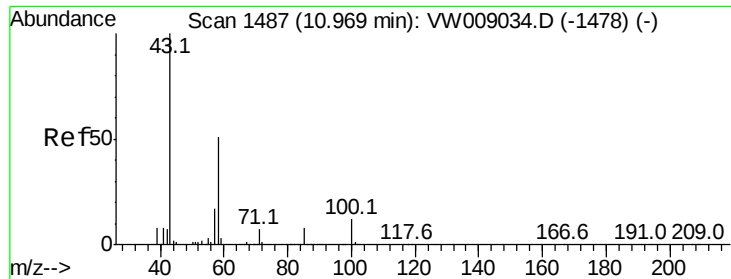
Tgt Ion: 63 Resp: 127522

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





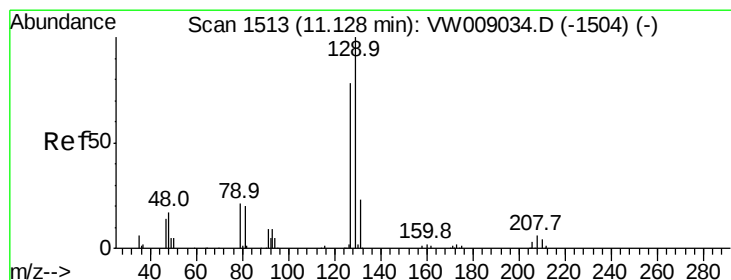
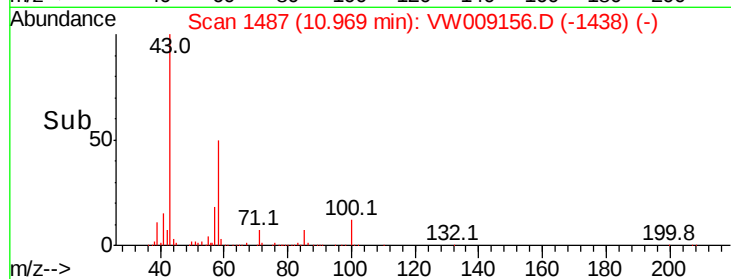
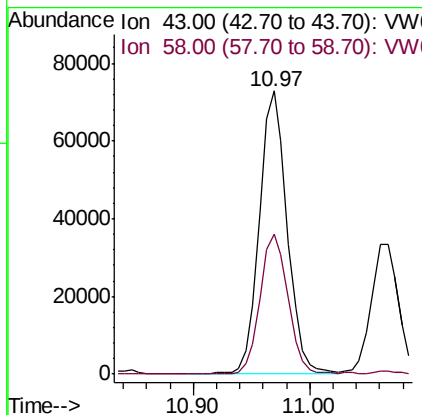
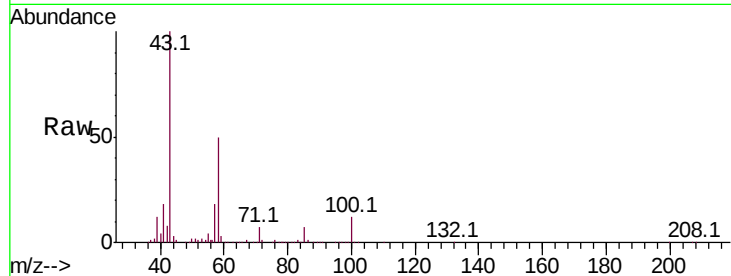
#59
2-Hexanone
Concen: 90.268 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 43 Resp: 120837
Ion Ratio Lower Upper
43 100
58 49.6 25.3 75.9

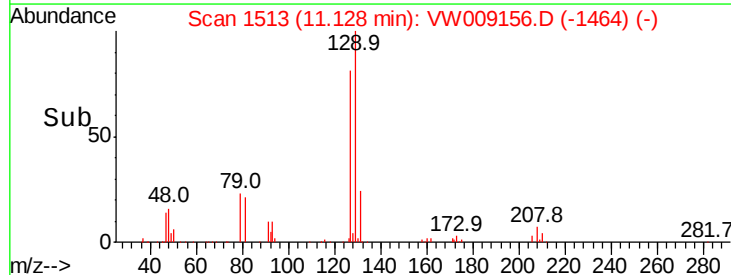
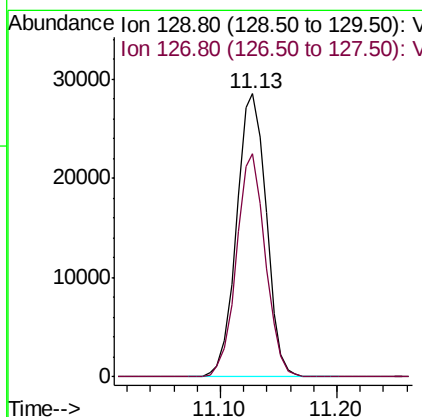
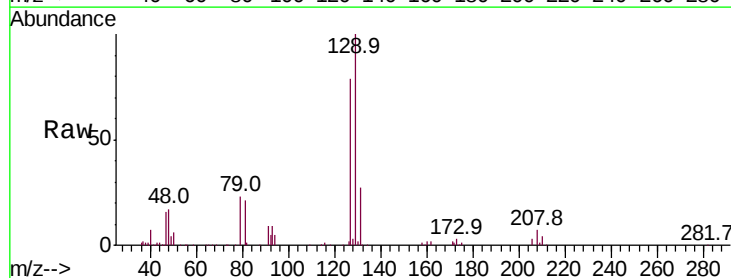
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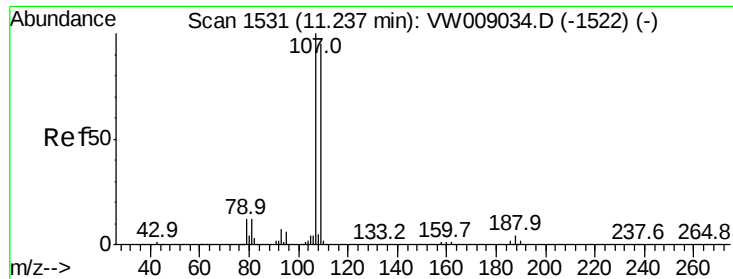
MMDadoda
3/14/2019 12:43:35 PM



#60
Dibromochloromethane
Concen: 19.378 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion: 129 Resp: 50879
Ion Ratio Lower Upper
129 100
127 76.8 38.4 115.1





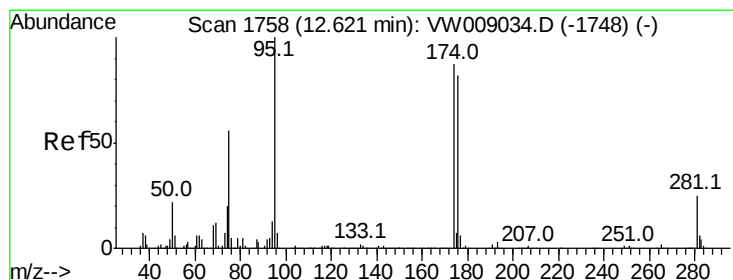
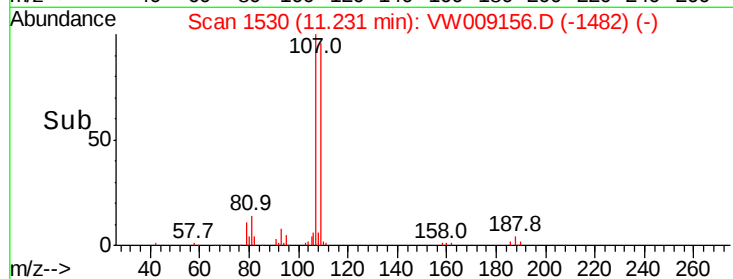
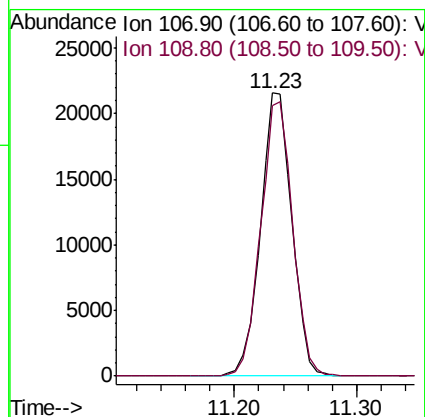
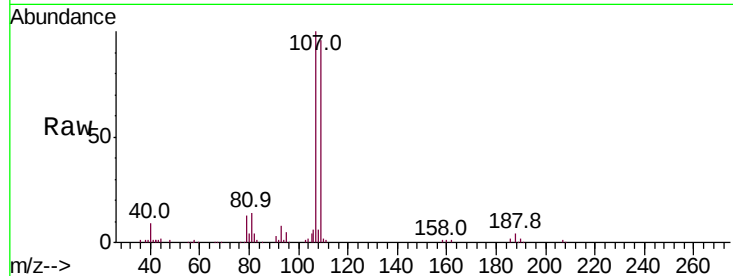
#61
 1,2-Dibromoethane
 Concen: 18.470 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.8	74.7	112.1

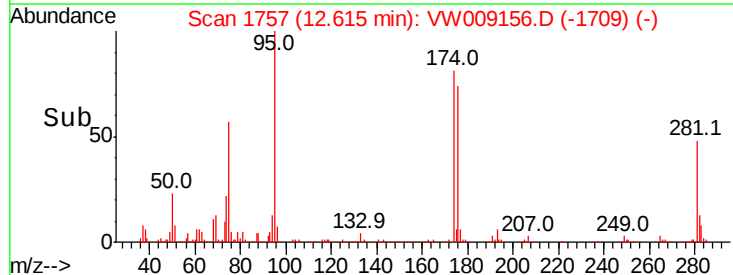
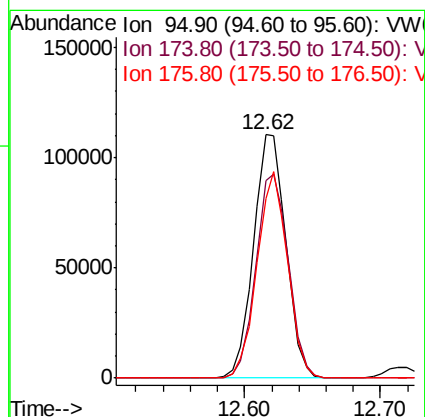
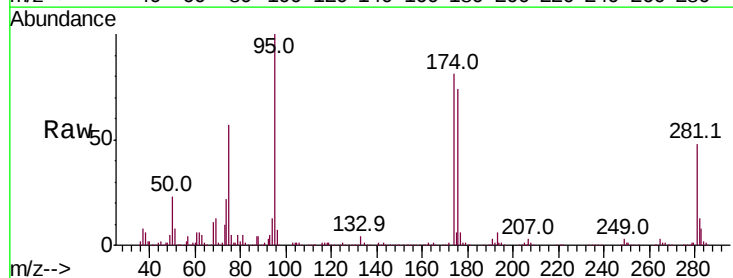
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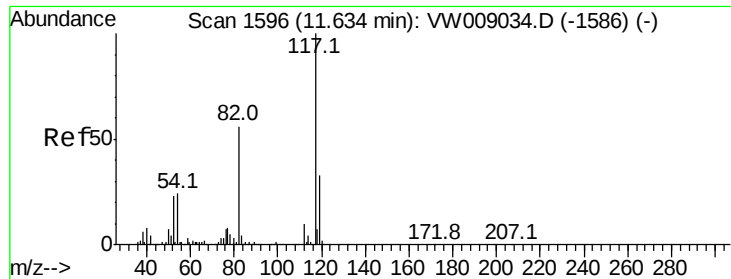
MMDadoda
 3/14/2019 12:43:35 PM



#62
 4-Bromofluorobenzene
 Concen: 46.128 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.01 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	167.0
176	80.1	0.0	159.4





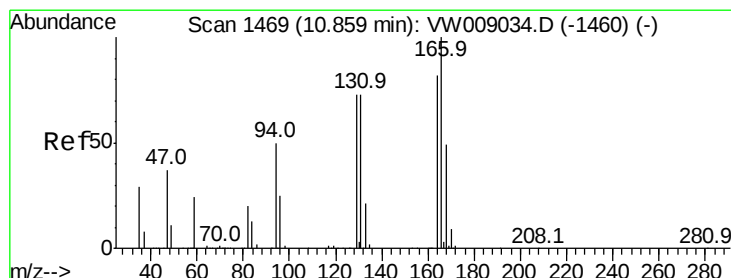
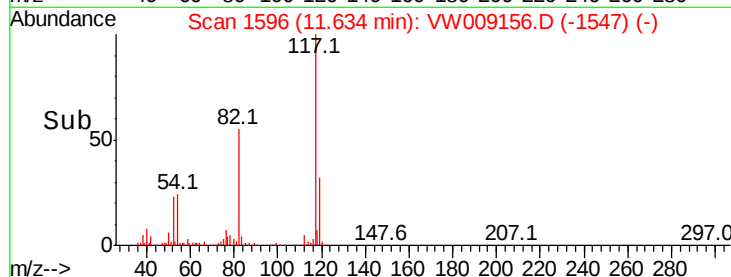
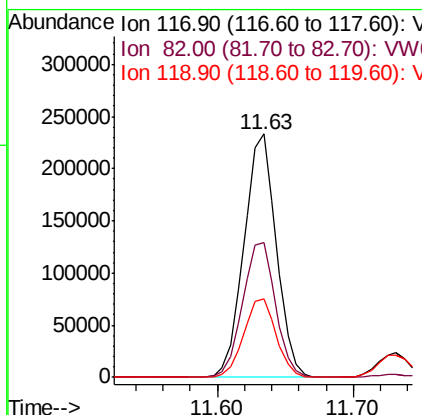
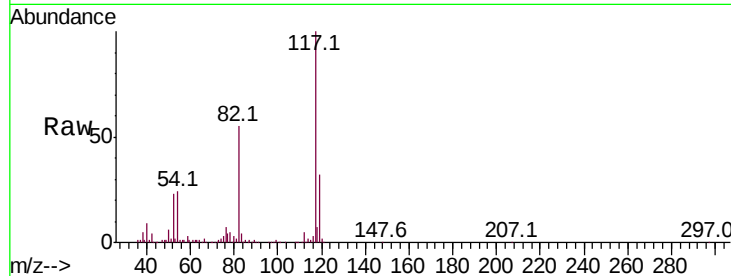
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100			
82	55.3	45.0	67.6	
119	32.4	26.6	39.8	

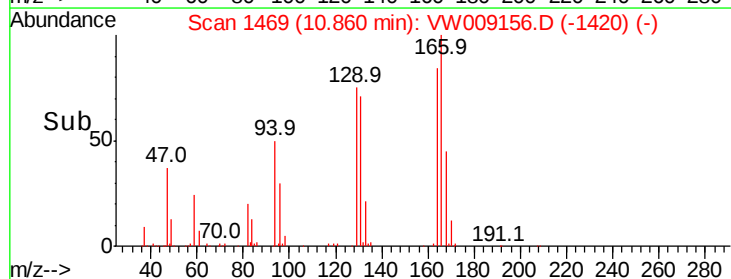
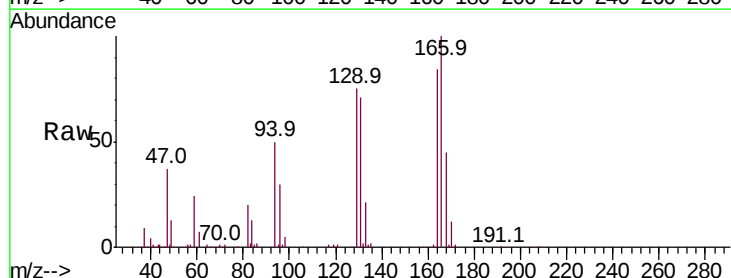
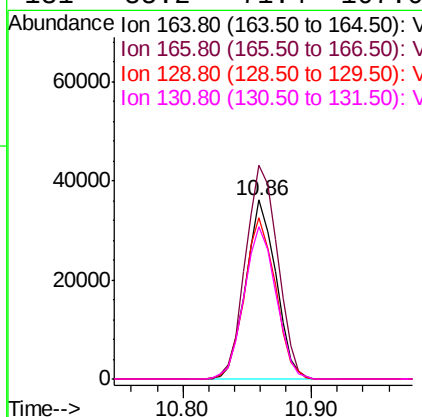
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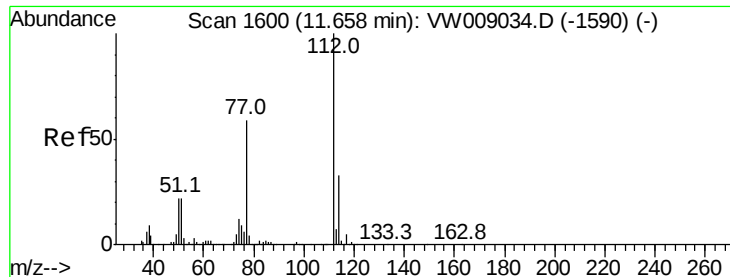
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#64
Tetrachloroethene
Concen: 20.881 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
166	119.5	97.8	146.6	
129	90.0	71.6	107.4	
131	85.2	71.4	107.0	





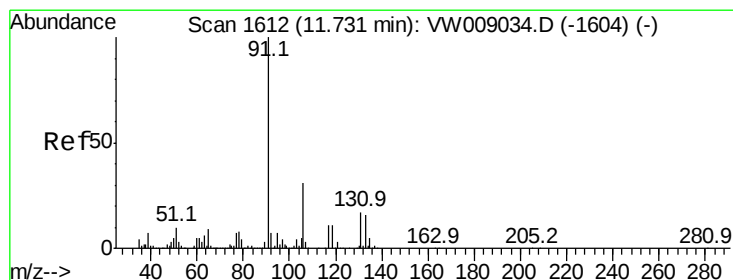
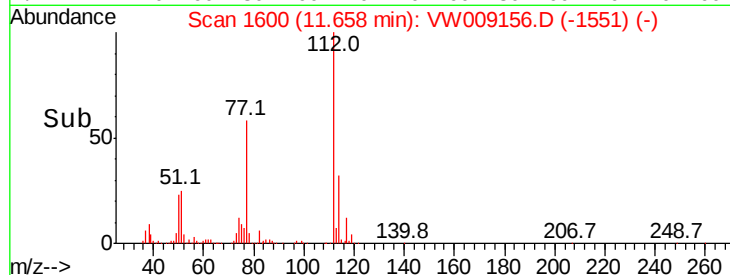
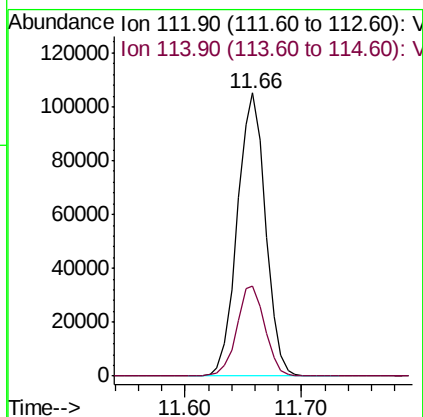
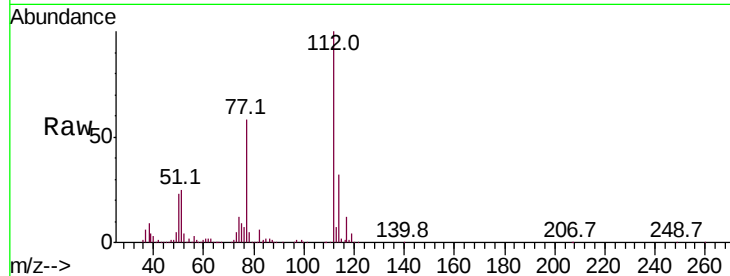
#65
Chlorobenzene
Concen: 21.046 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion:112 Resp: 177343
Ion Ratio Lower Upper
112 100
114 31.6 26.6 40.0

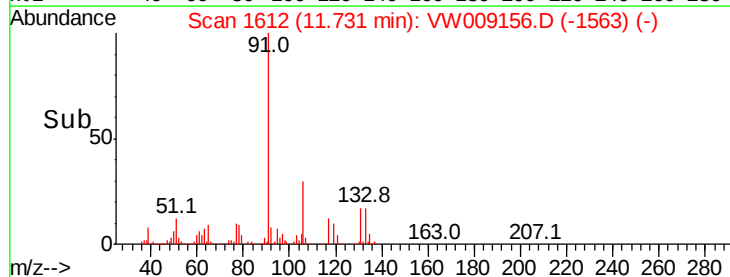
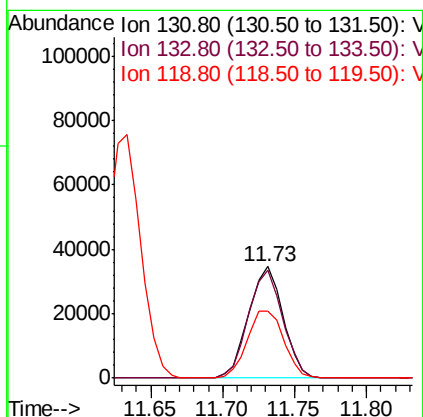
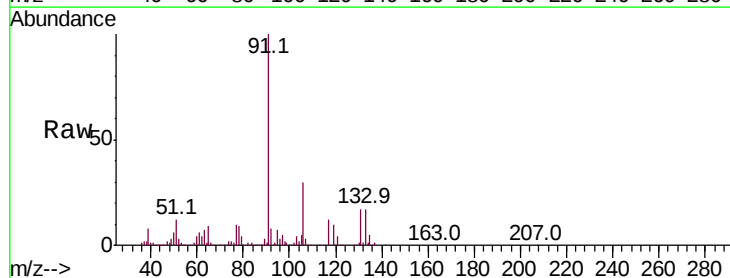
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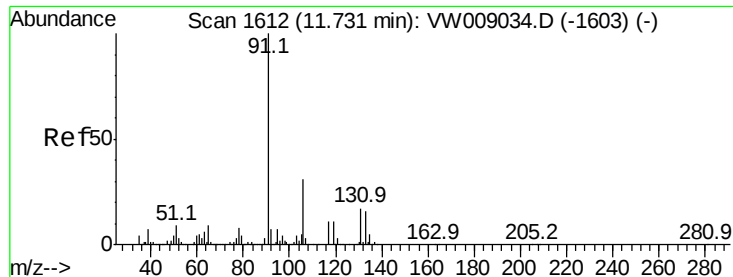
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.445 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:131 Resp: 57523
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.8
119 63.9 31.3 93.8





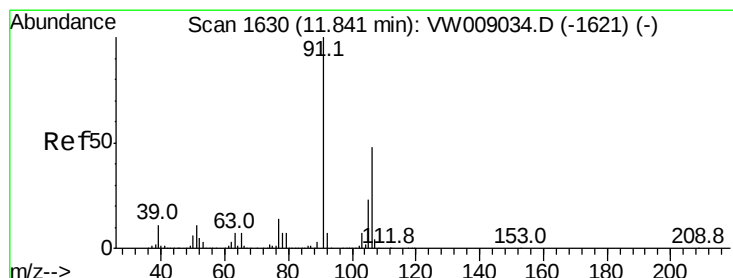
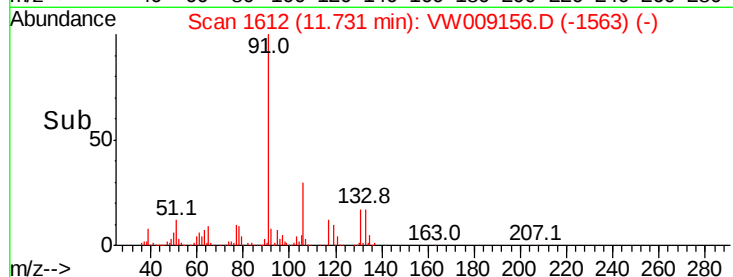
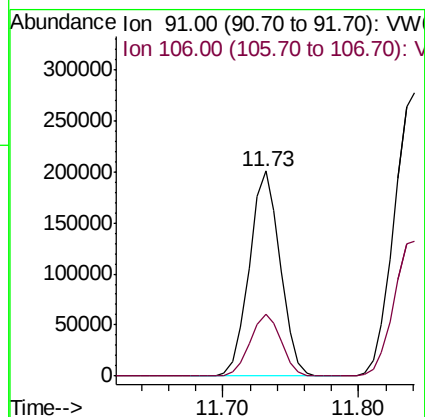
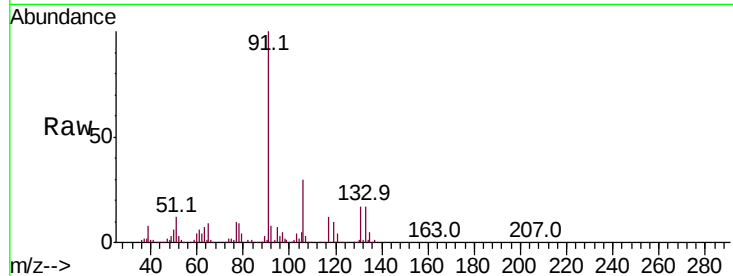
#67
Ethyl Benzene
Concen: 20.953 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.0	37.4

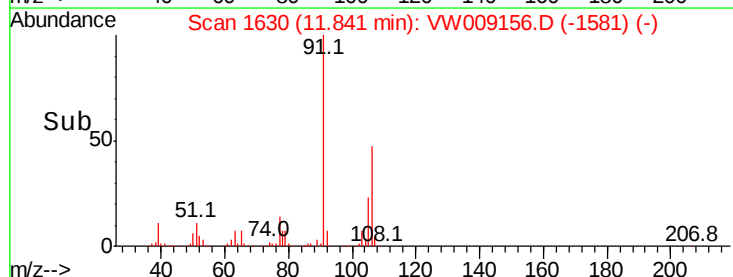
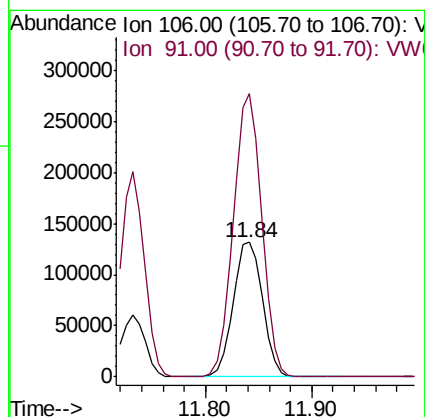
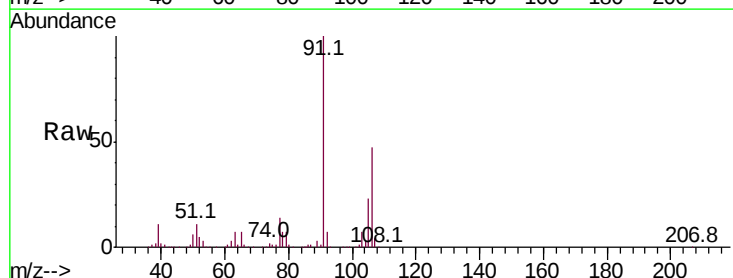
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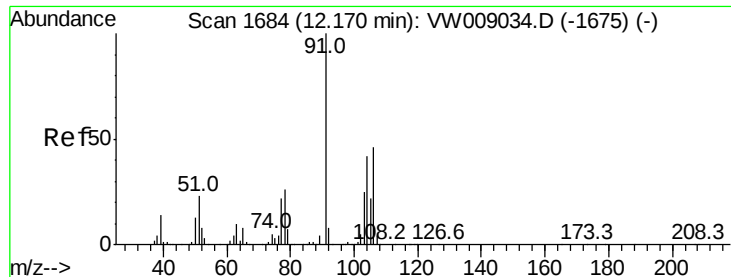
MMDadoda
3/14/2019 12:43:35 PM



#68
m/p-Xylenes
Concen: 42.241 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	204.4	163.2	244.8





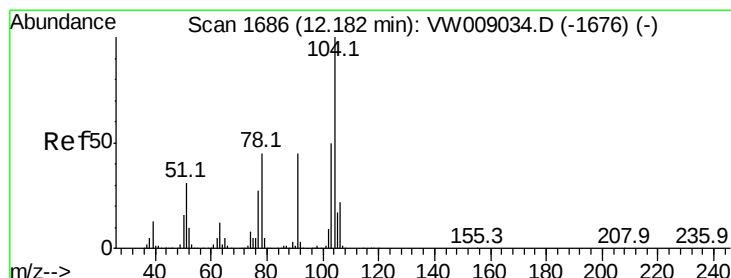
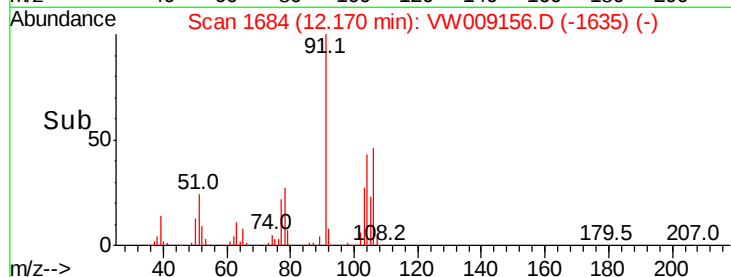
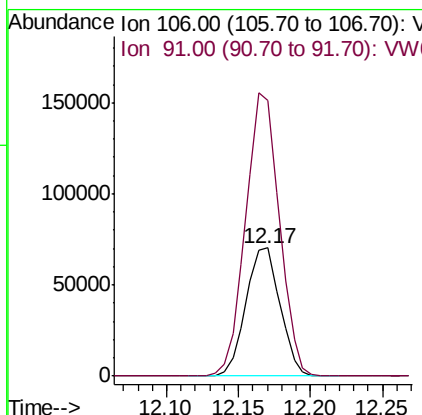
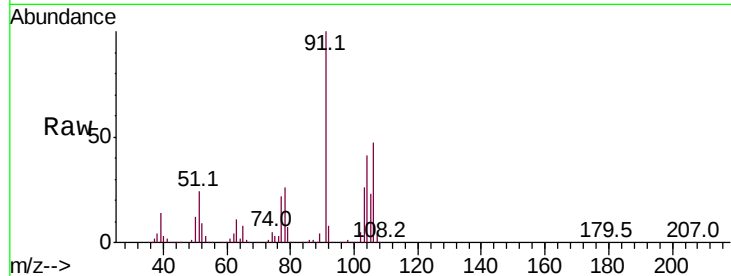
#69
o-Xylene
Concen: 20.657 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion:106 Resp: 115487
Ion Ratio Lower Upper
106 100
91 218.3 108.6 325.6

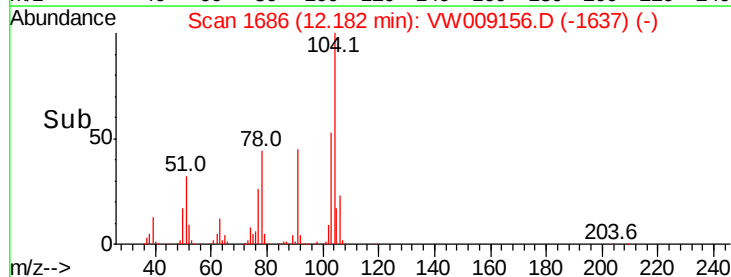
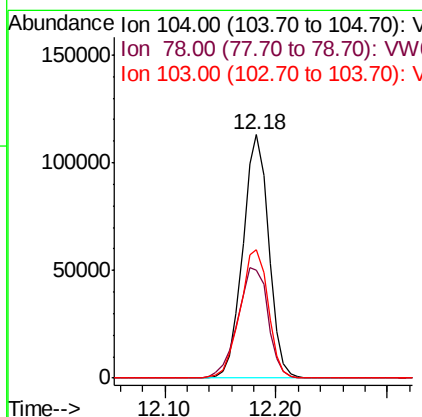
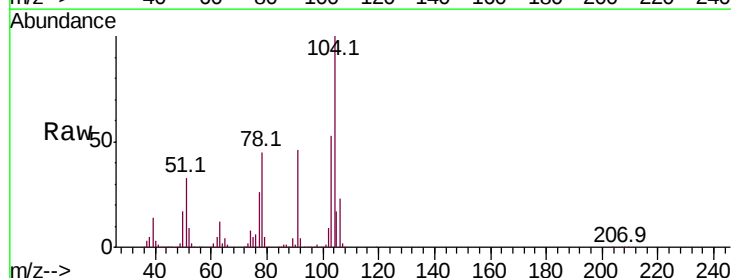
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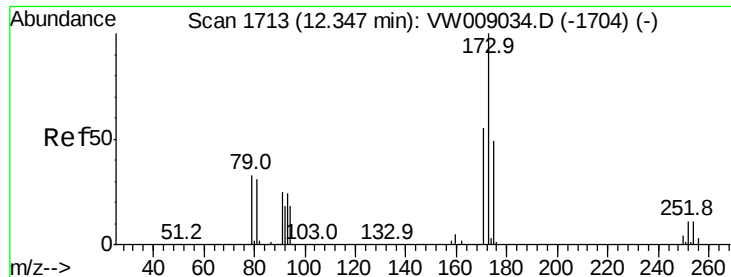
MMDadoda
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#70
Styrene
Concen: 20.214 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:104 Resp: 182846
Ion Ratio Lower Upper
104 100
78 52.8 42.1 63.1
103 57.4 43.9 65.9





#71

Bromoform

Concen: 18.894 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:173 Resp: 28543

Ion Ratio Lower Upper

173 100

175 47.0 24.6 74.0

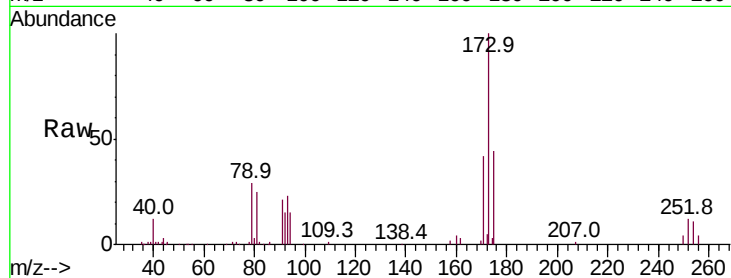
254 0.0 0.0 0.0

Manual Integrations

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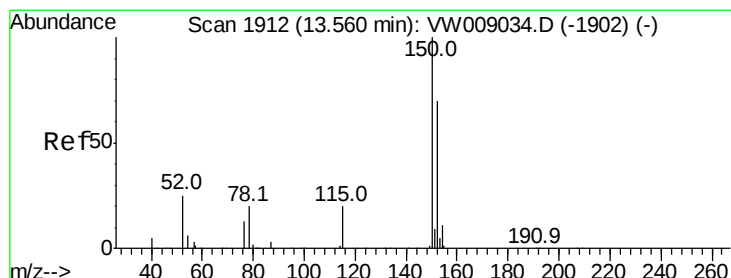
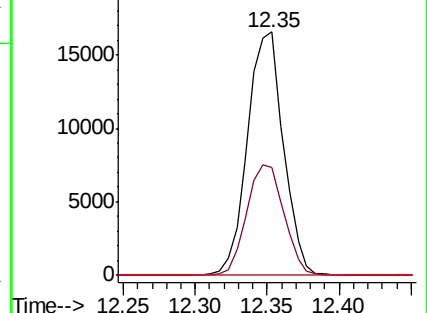
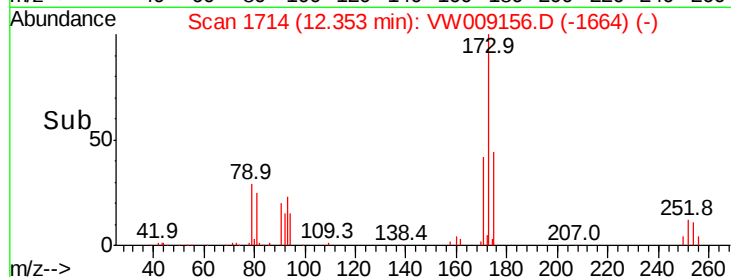
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

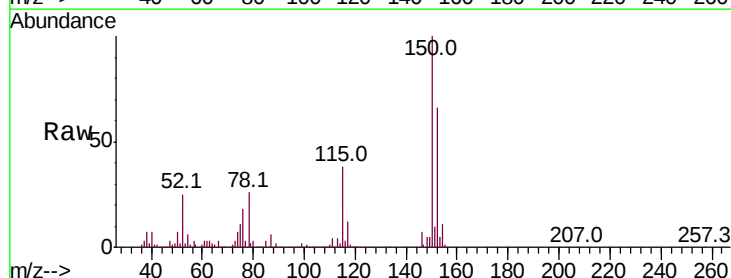
Tgt Ion:152 Resp: 212970

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

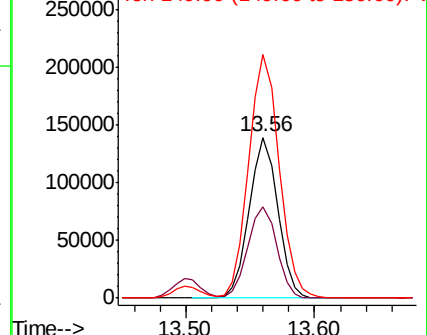
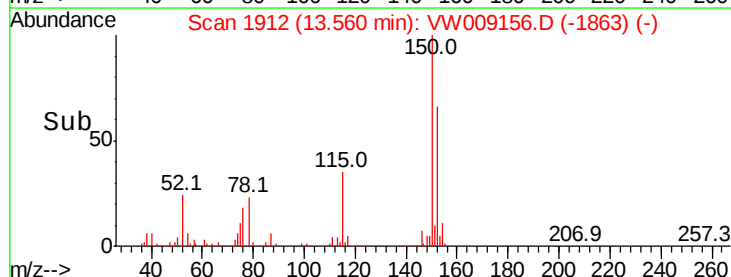
150 161.8 0.0 349.2

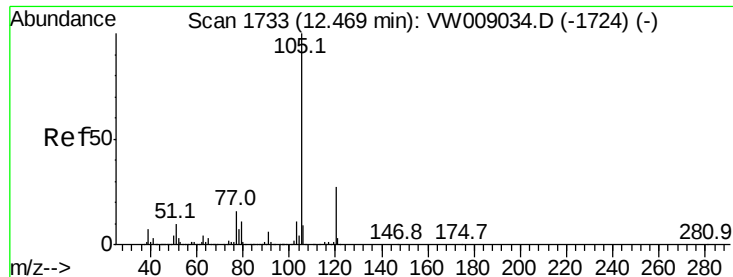


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.495 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

ClientSampleId :

VW0313SBS01

Tot Ion:105 Resp: 327822

Ion Ratio Lower Upper

105 100

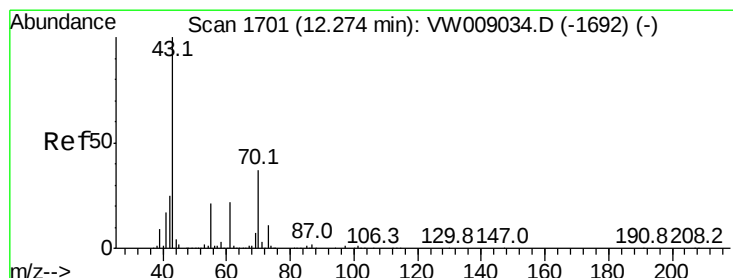
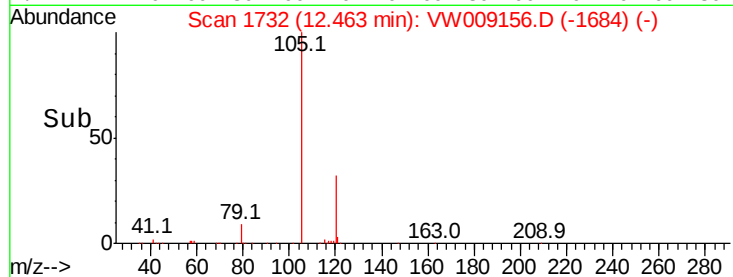
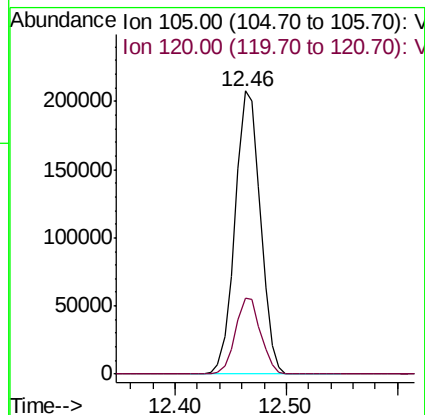
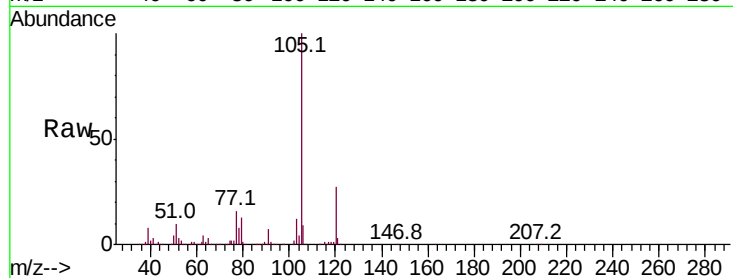
120 26.6 13.2 39.6

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#74

N-ethyl acetate

Concen: 18.549 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion: 43 Resp: 66970

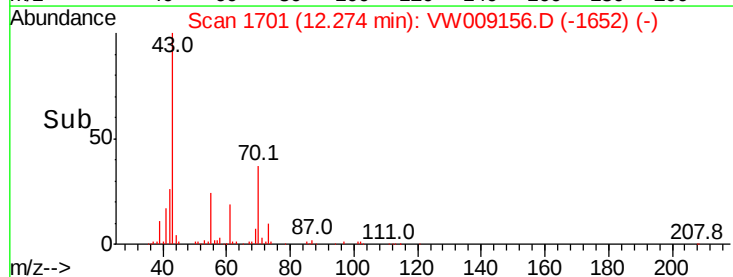
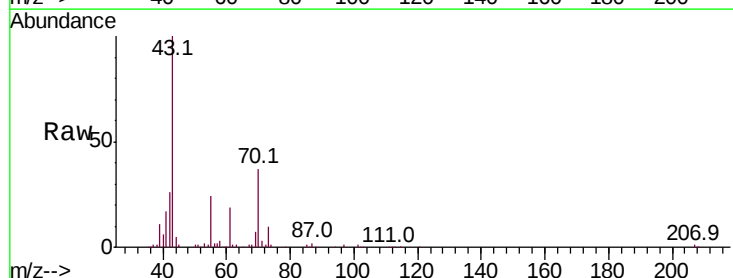
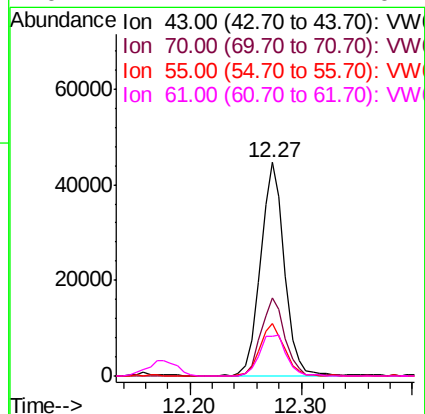
Ion Ratio Lower Upper

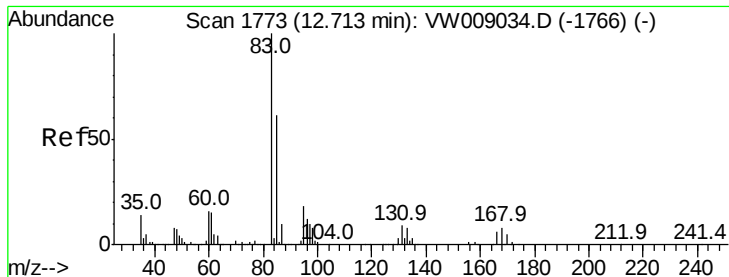
43 100

70 37.2 30.8 46.2

55 24.9 17.8 26.8

61 21.7 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.141 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

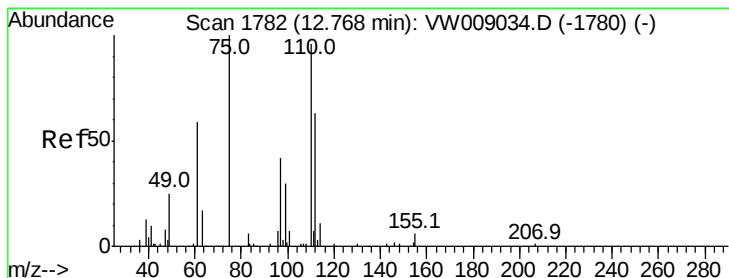
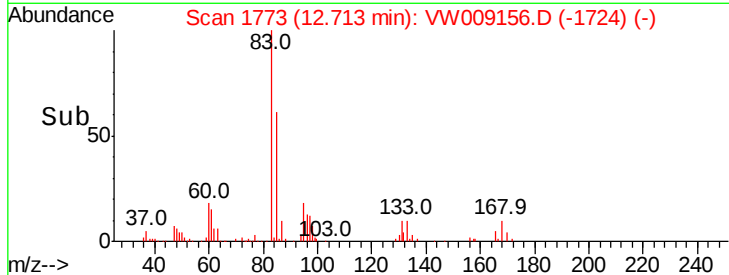
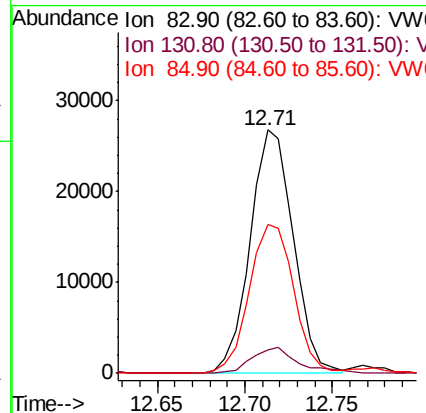
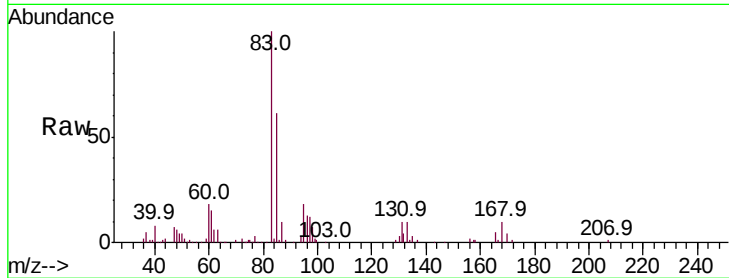
ClientSampleId :

VW0313SBS01

Tot Ion:	83	Resp:	46049
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.7
85	63.1	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 9.966 ug/l m

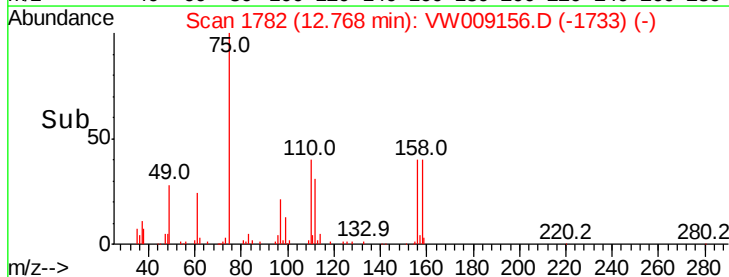
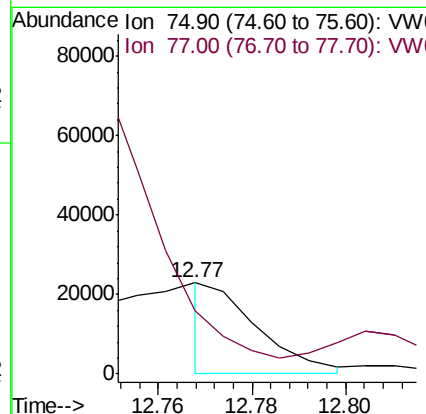
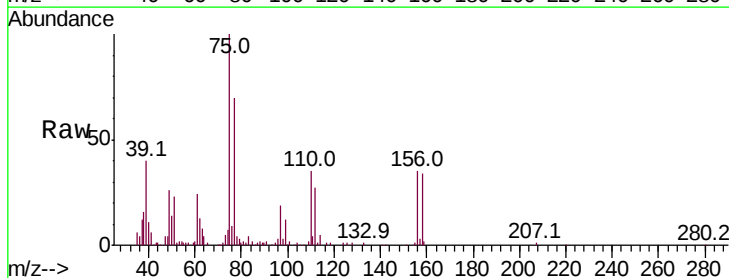
RT: 12.77 min Scan# 1782

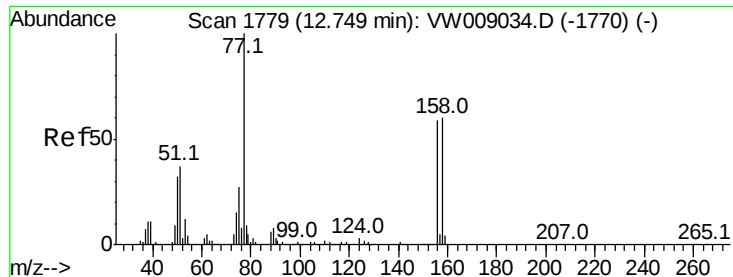
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	75	Resp:	16769
Ion Ratio	Lower	Upper	
75	100		
77	781.8	186.7	560.0#





#77

Bromobenzene

Concen: 20.239 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

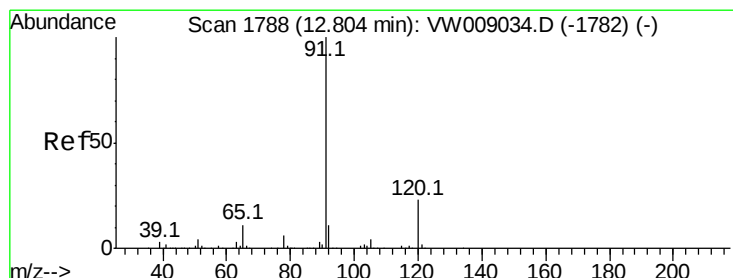
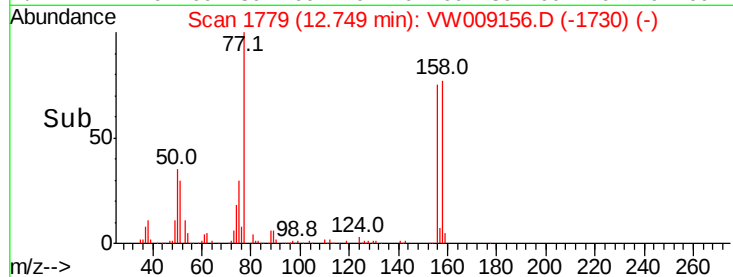
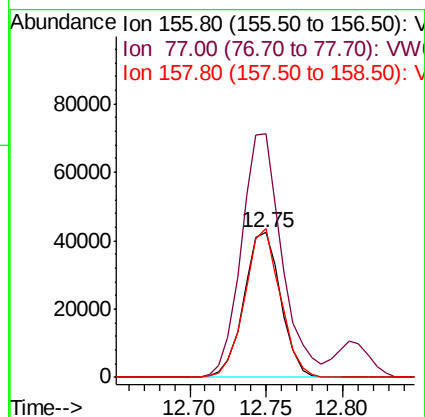
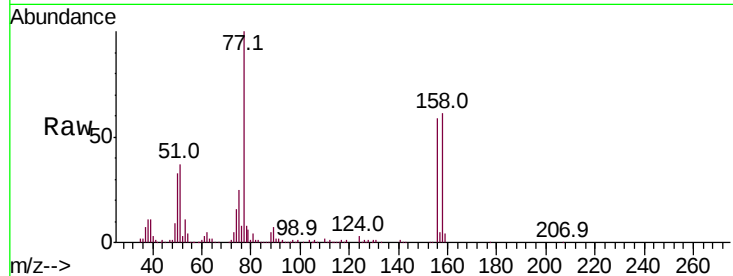
ClientSampleId :

VW0313SBS01

Tot Ion:	156	Resp:	70527
Ion Ratio	Lower	Upper	
156	100		
77	185.9	93.0	279.2
158	99.6	50.0	149.8

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#78

n-propylbenzene

Concen: 21.628 ug/l

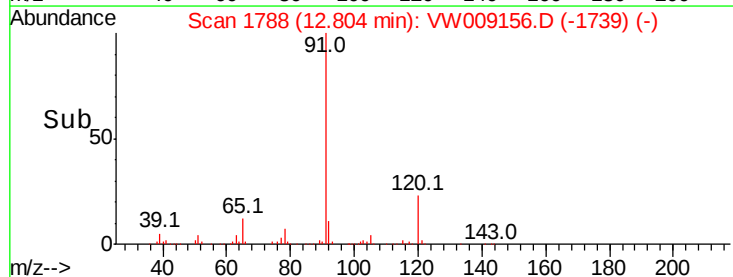
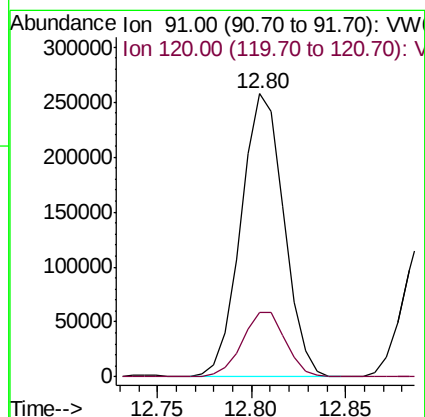
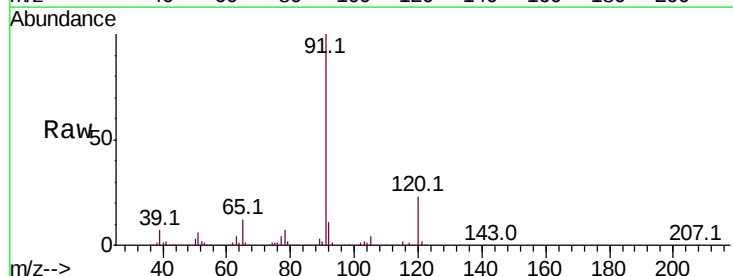
RT: 12.80 min Scan# 1788

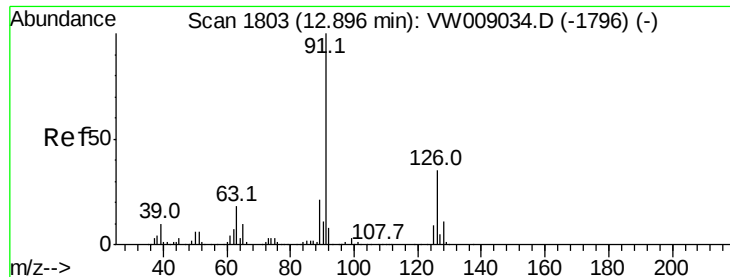
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	91	Resp:	406291
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.4	34.2





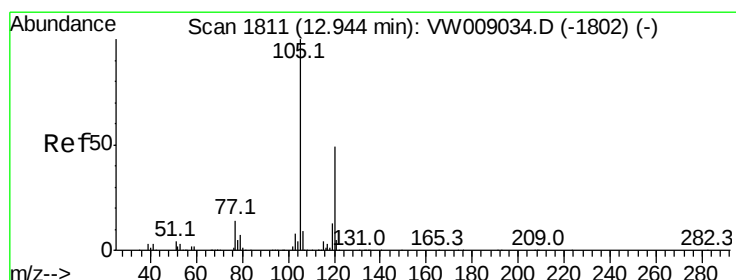
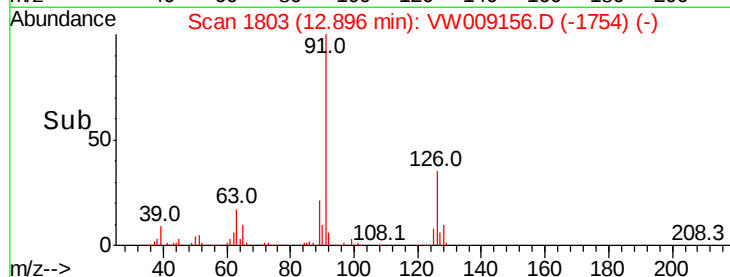
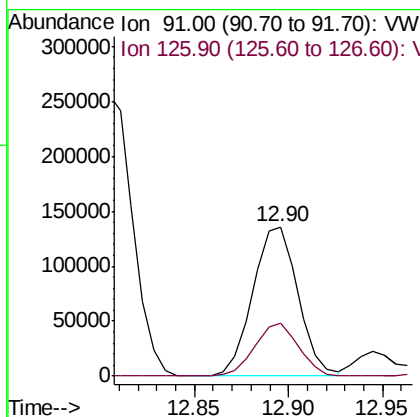
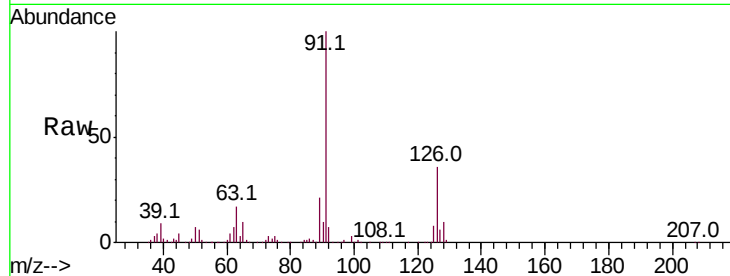
#79
2-Chlorotoluene
Concen: 21.409 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion: 91 Resp: 225965
Ion Ratio Lower Upper
91 100
126 34.5 16.8 50.4

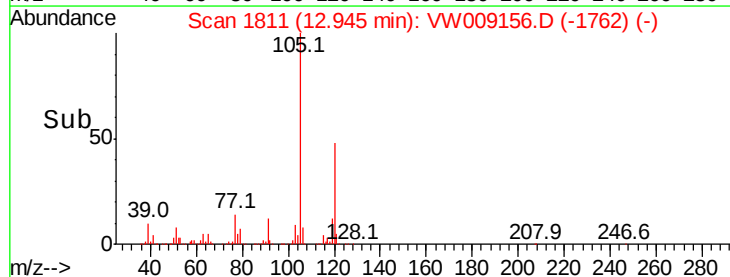
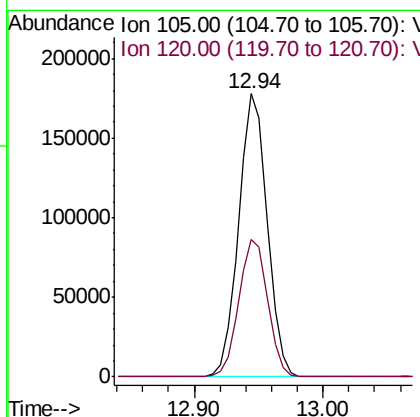
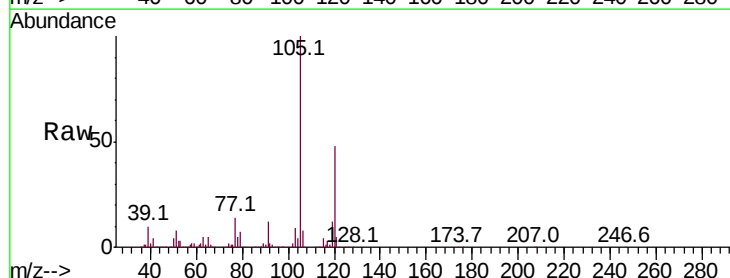
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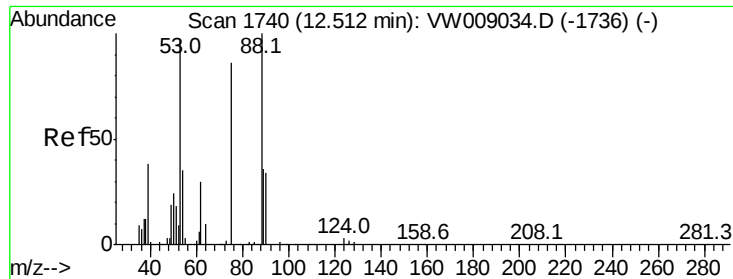
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#80
1,3,5-Trimethylbenzene
Concen: 20.669 ug/l
RT: 12.94 min Scan# 1811
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:105 Resp: 271721
Ion Ratio Lower Upper
105 100
120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 17.534 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Instrument :

MSVOA_W

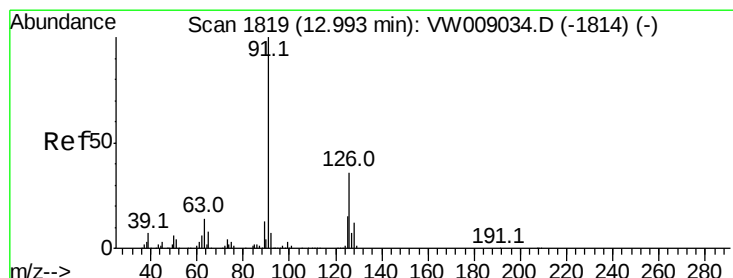
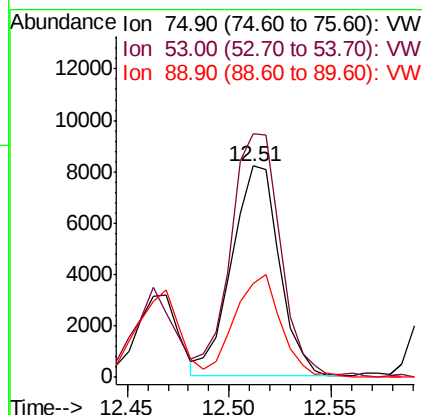
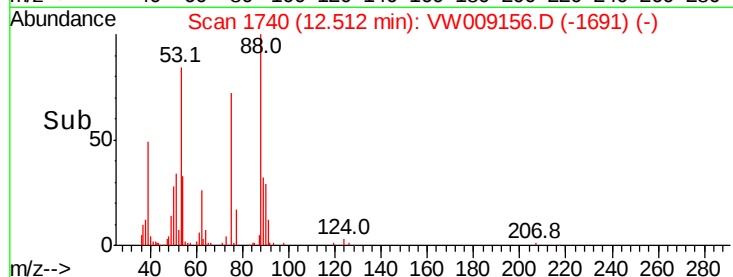
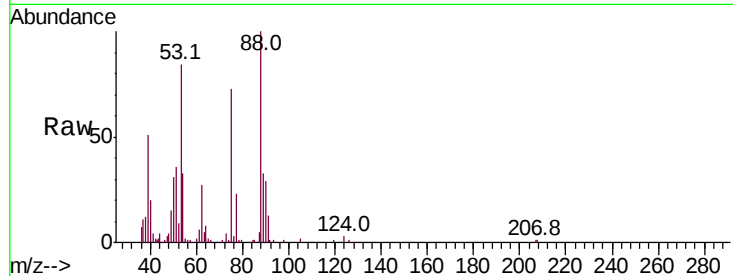
ClientSampleId :

VW0313SBS01

Tot Ion:	75	Resp:	13190
Ion Ratio	Lower	Upper	
75	100		
53	122.9	90.5	135.7
89	48.1	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.136 ug/l

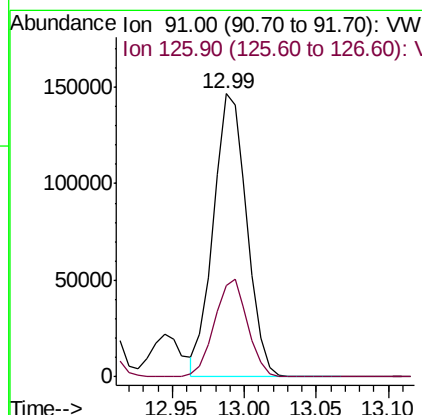
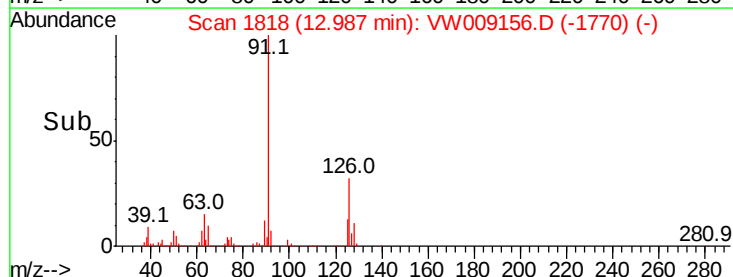
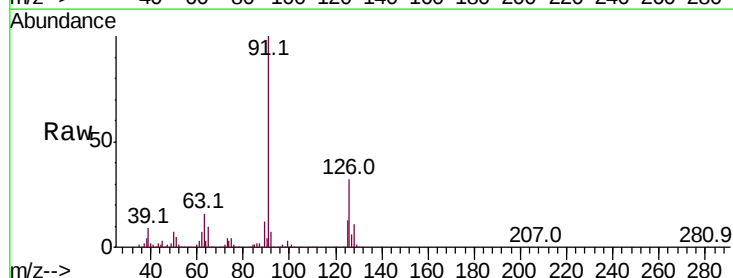
RT: 12.99 min Scan# 1818

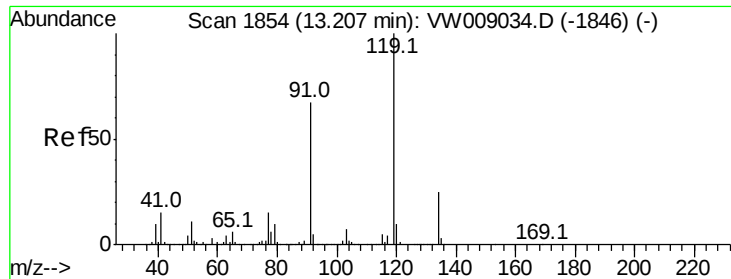
Delta R.T. -0.01 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion:	91	Resp:	237798
Ion Ratio	Lower	Upper	
91	100		
126	34.2	16.6	49.8





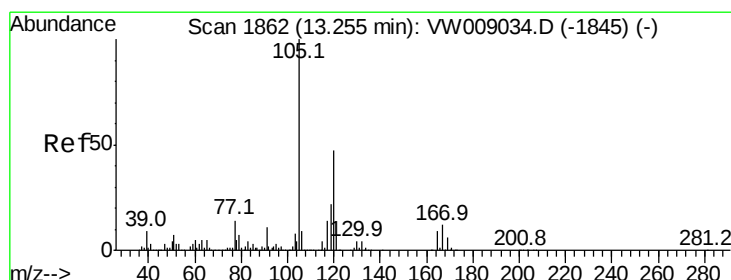
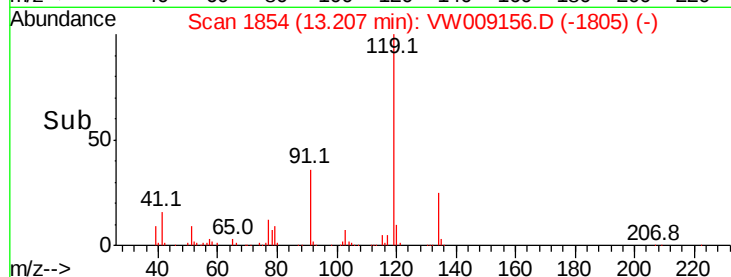
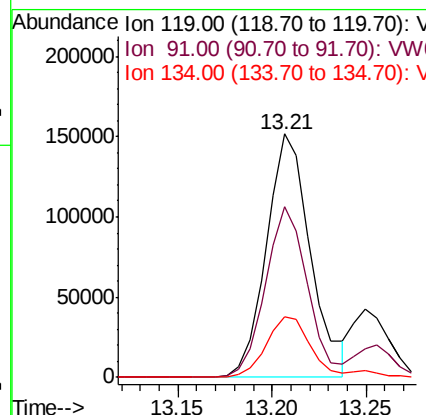
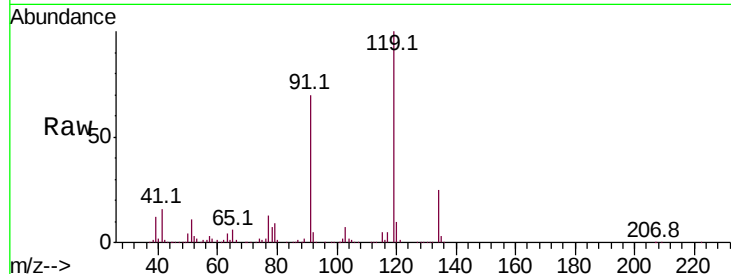
#83
tert-Butylbenzene
Concen: 22.237 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	246544		
91	66.8	34.2	102.5	
134	26.4	13.9	41.6	

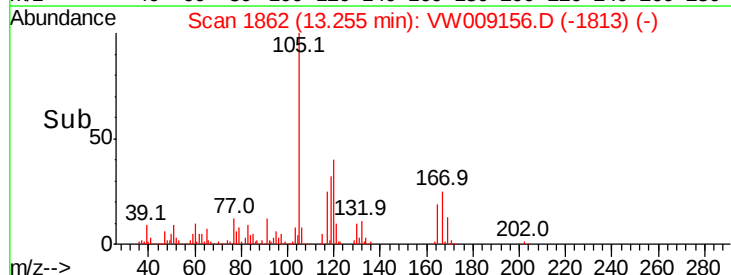
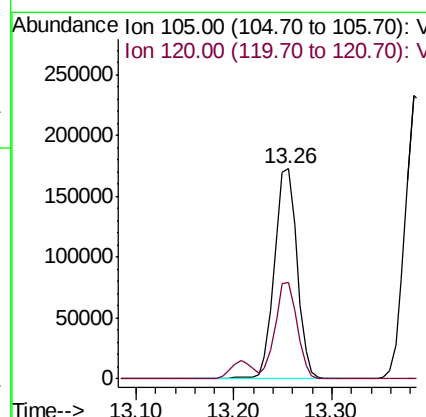
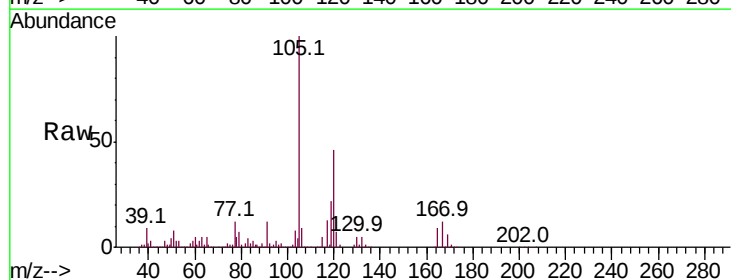
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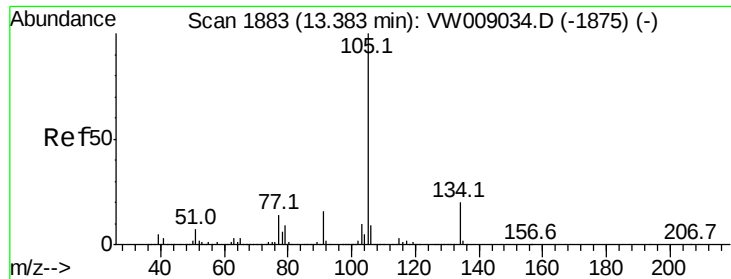
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#84
1,2,4-Trimethylbenzene
Concen: 21.021 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	279540		
120	44.7	22.8	68.4	





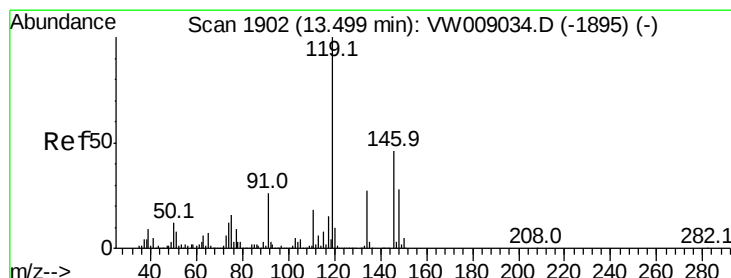
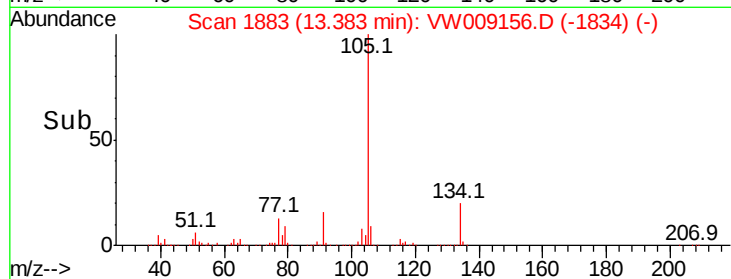
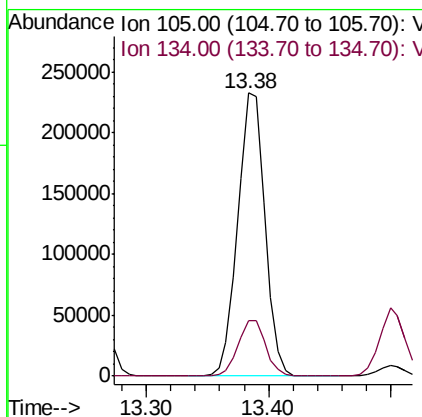
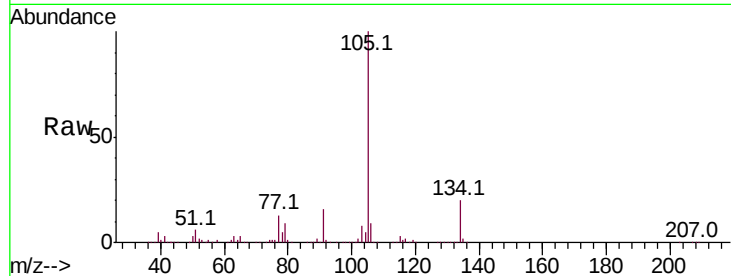
#85
 sec-Butylbenzene
 Concen: 21.702 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	356495		
134	20.0		10.0	30.0

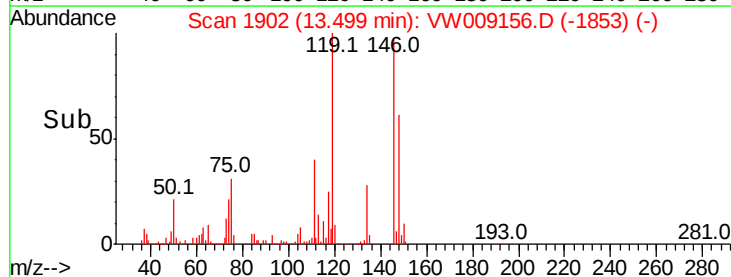
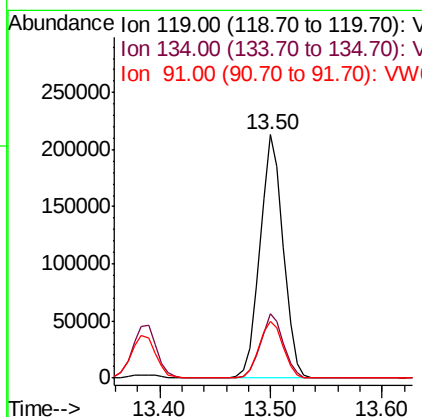
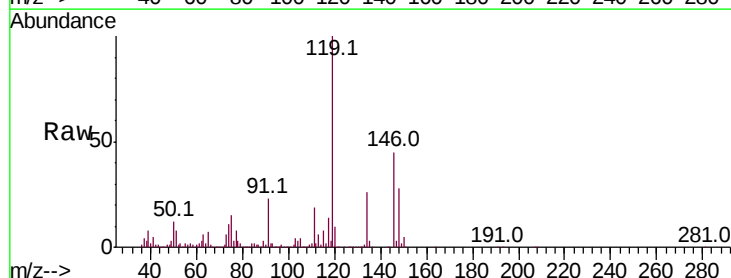
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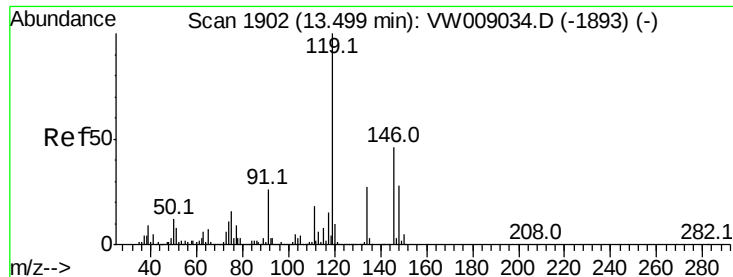
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#86
 p-Isopropyltoluene
 Concen: 21.123 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	310411		
134	26.4		13.3	39.9
91	24.0		12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 20.837 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

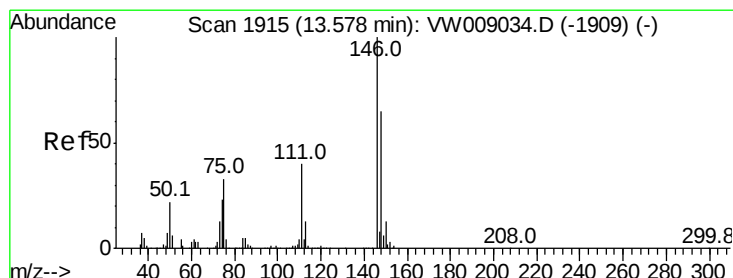
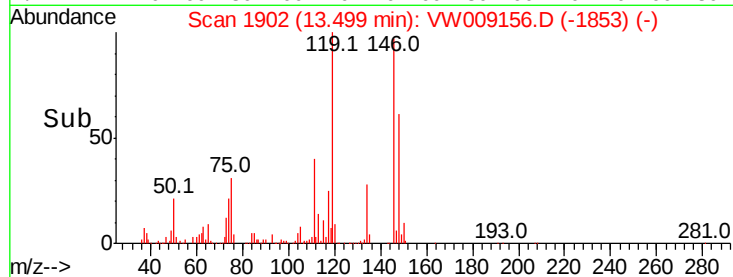
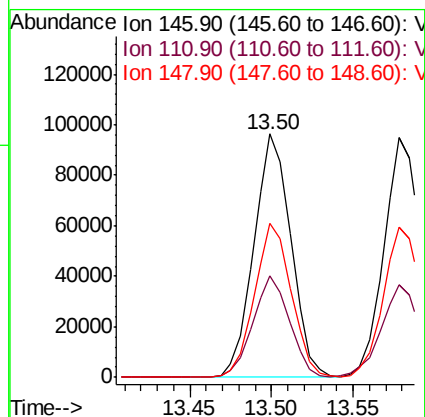
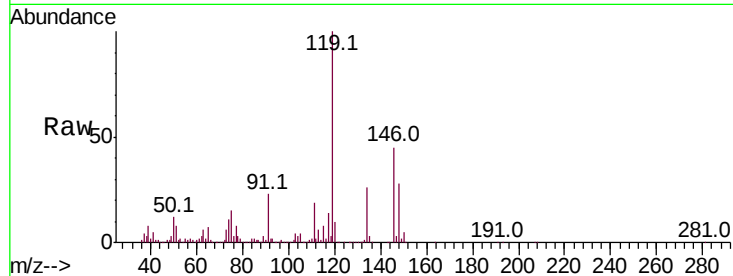
Instrument :
MSVOA_W

ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	152592		
111	41.1	19.8	59.4	
148	62.8	31.6	94.8	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.590 ug/l

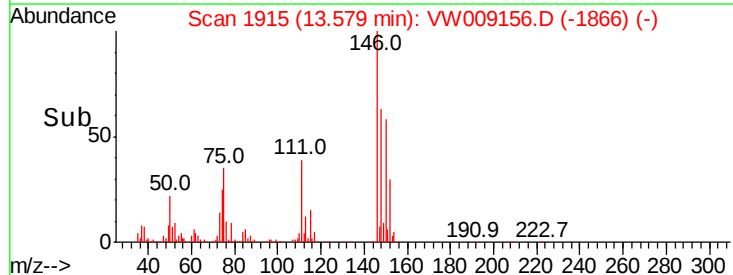
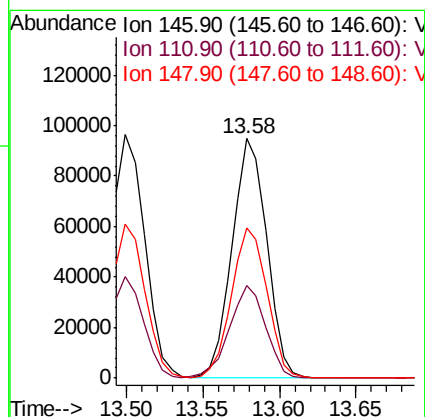
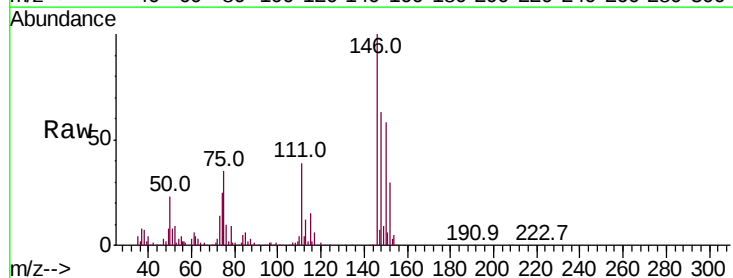
RT: 13.58 min Scan# 1915

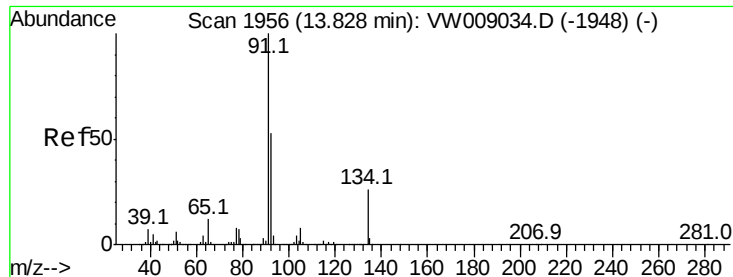
Delta R.T. 0.00 min

Lab File: VW009156.D

Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	149013		
111	40.3	19.7	59.0	
148	64.7	32.2	96.6	





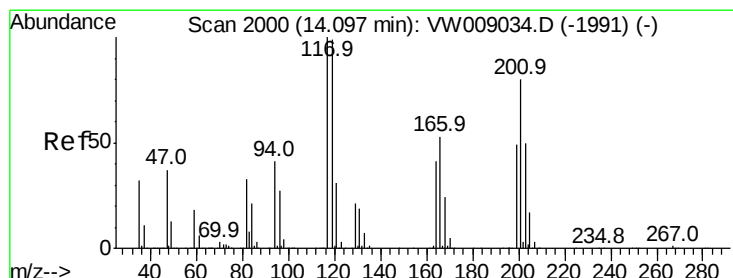
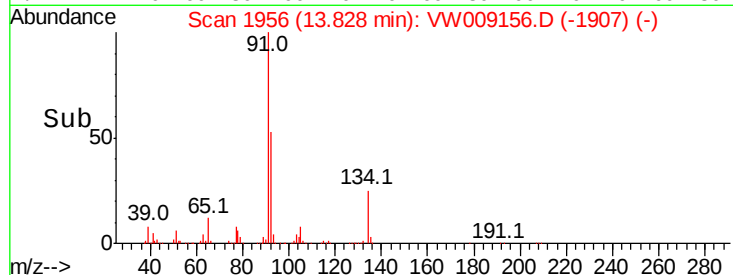
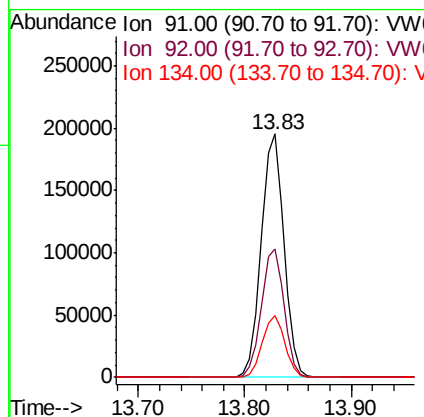
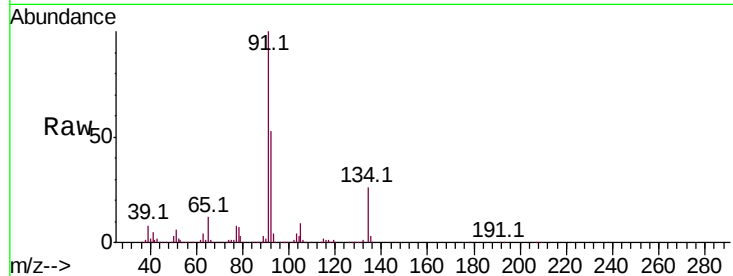
#89
n-Butylbenzene
Concen: 21.016 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	293605		
92	52.6		26.8	80.3
134	25.1		12.9	38.7

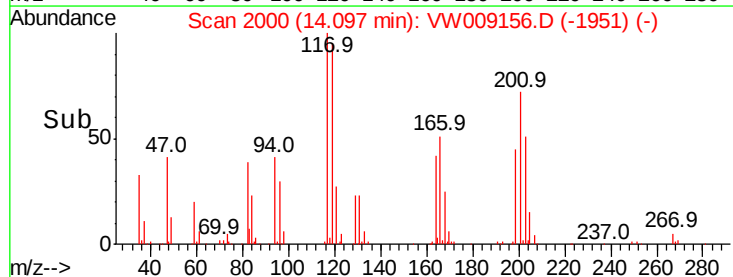
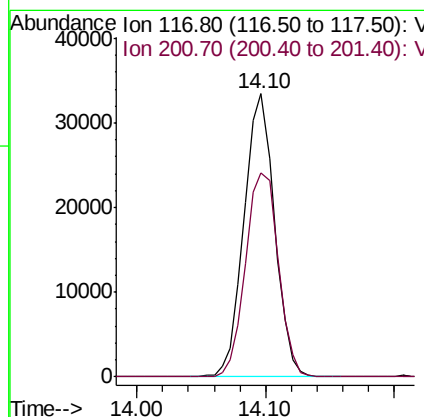
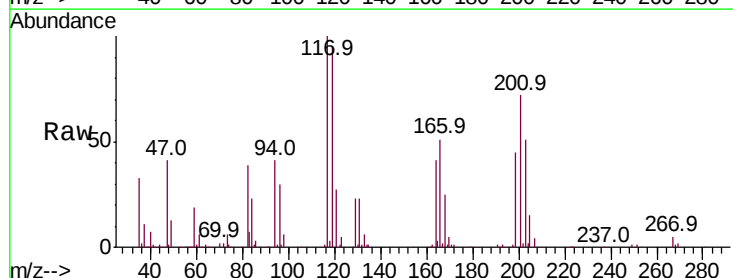
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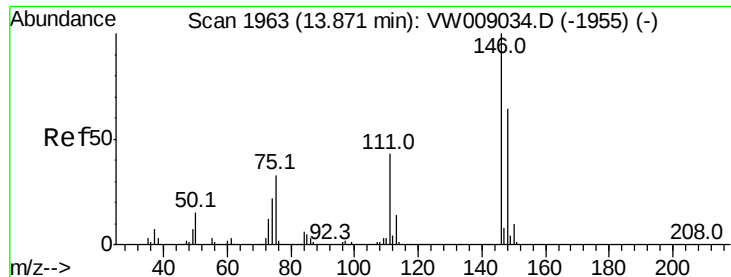
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#90
Hexachloroethane
Concen: 21.654 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	54882		
201	77.0		39.1	117.5





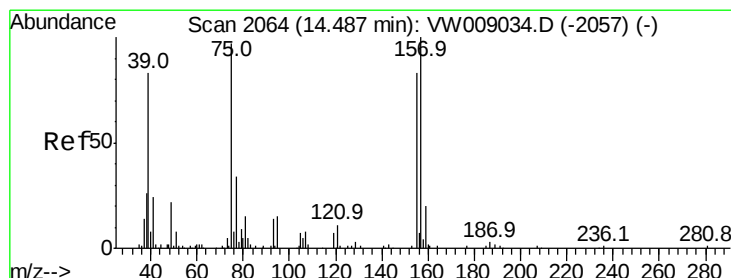
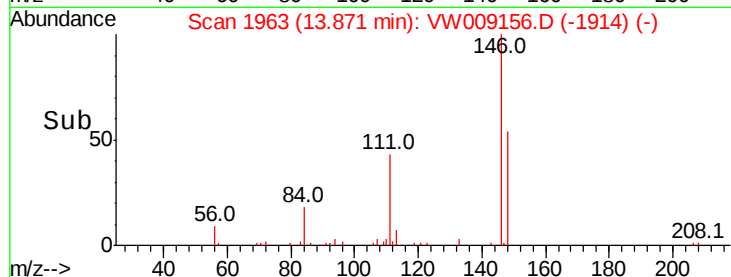
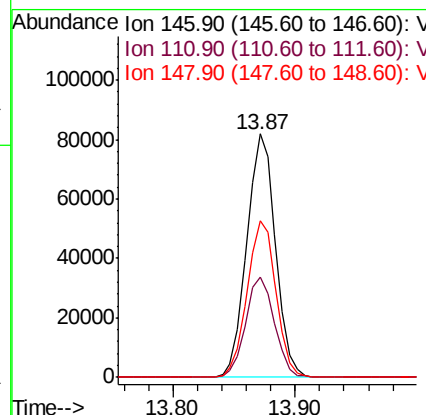
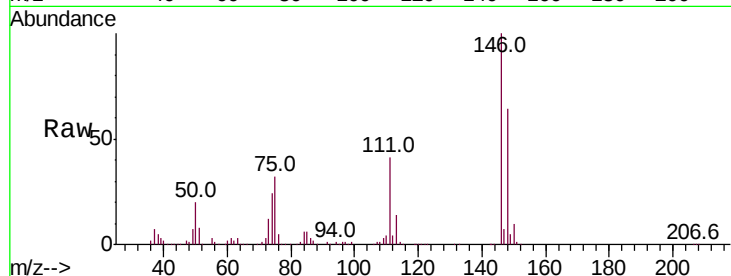
#91
 1,2-Dichlorobenzene
 Concen: 20.636 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.1
148	64.6	32.3	96.9

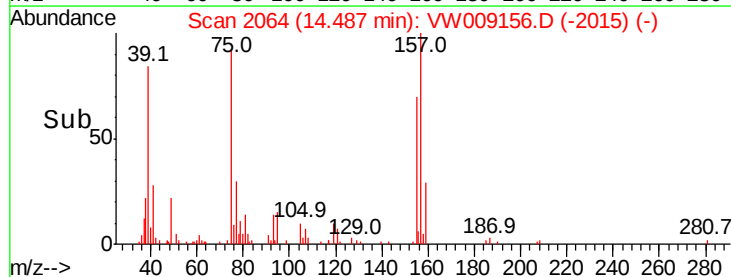
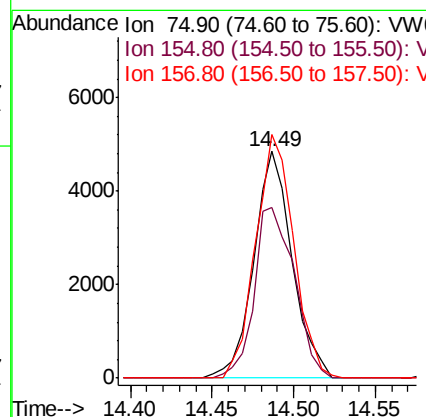
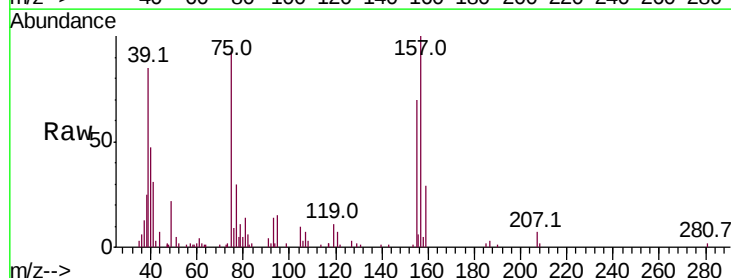
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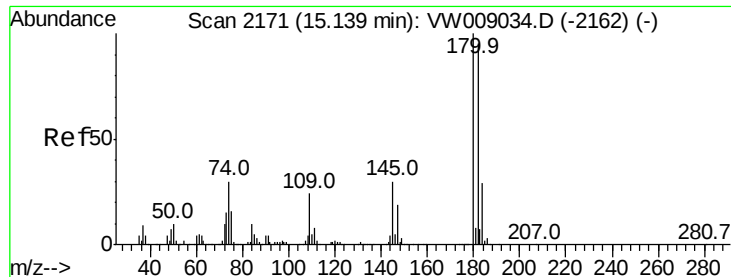
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.543 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.7	40.8	122.4
157	106.7	52.4	157.3





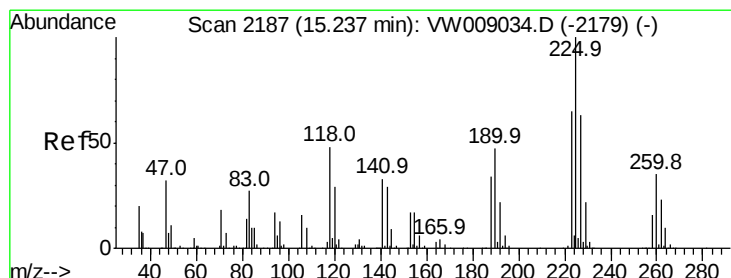
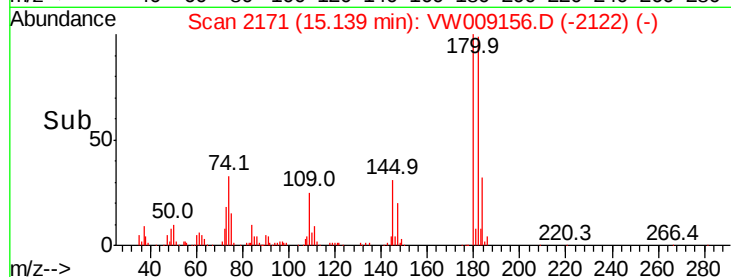
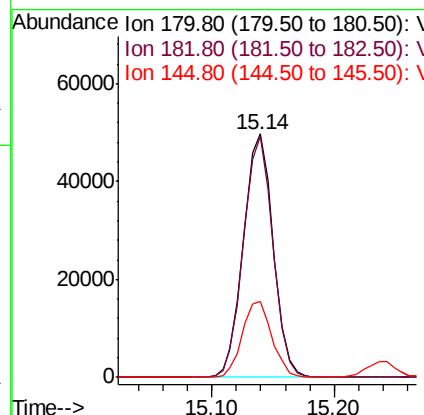
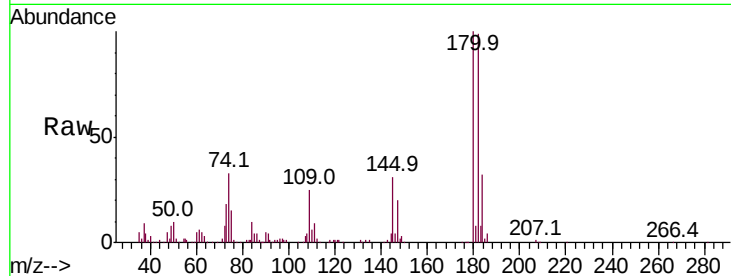
#93
 1,2,4-Trichlorobenzene
 Concen: 19.209 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0313SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.1	48.1	144.3	
145	30.8	15.4	46.1	

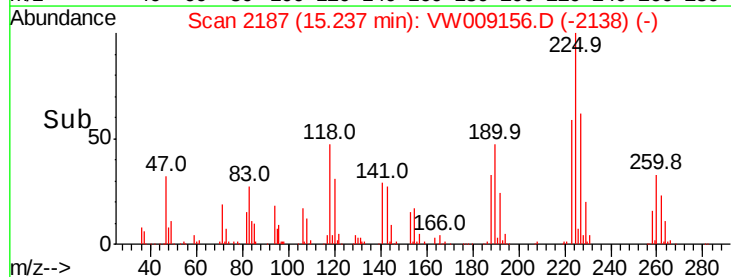
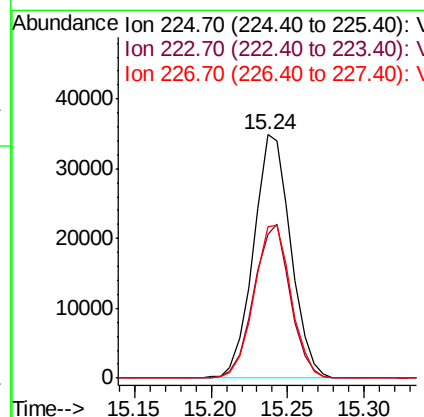
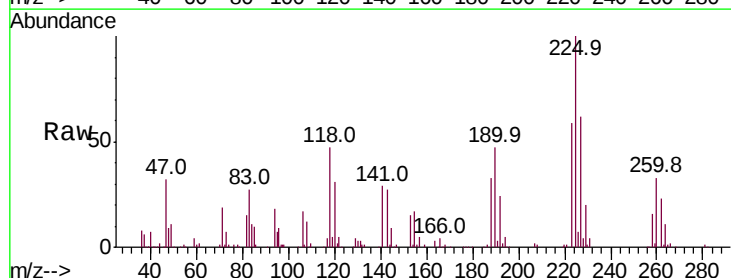
Manual Integrations
 APPROVED

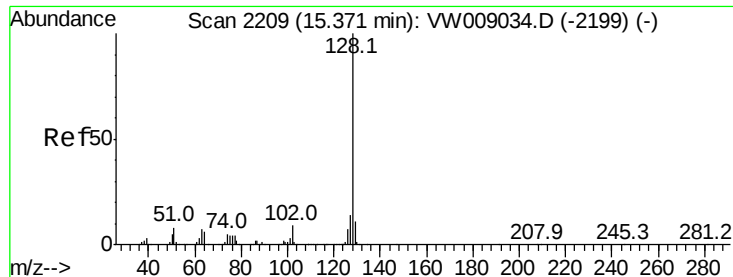
MMDadoda
 3/14/2019 12:43:35 PM



#94
 Hexachlorobutadiene
 Concen: 21.562 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW009156.D
 Acq: 13 Mar 2019 15:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.5	31.6	94.8	
227	62.5	32.0	96.2	





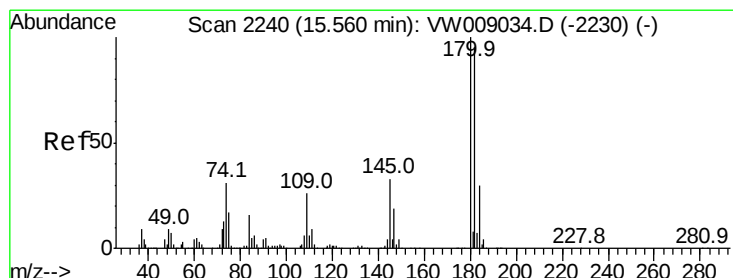
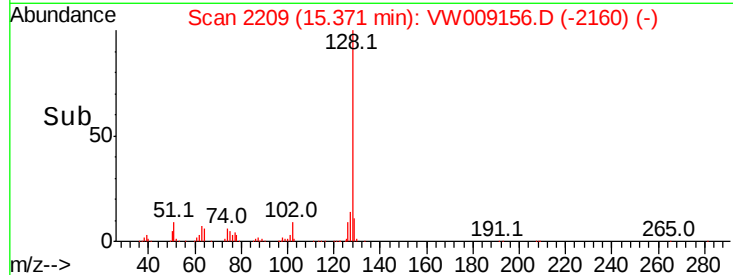
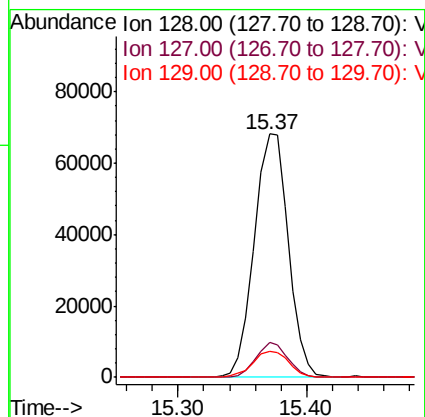
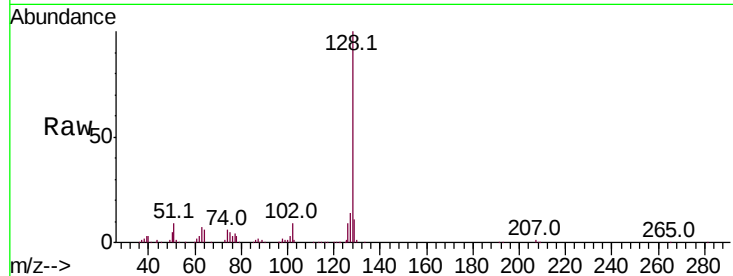
#95
Naphthalene
Concen: 17.465 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Instrument :
MSVOA_W
ClientSampleId :
VW0313SBS01

Tot Ion:	128	Resp:	124751
Ion Ratio	Lower	Upper	
128	100		
127	13.4	11.0	16.6
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 12:43:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.436 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW009156.D
Acq: 13 Mar 2019 15:35

Tgt Ion:	180	Resp:	70740
Ion Ratio	Lower	Upper	
180	100		
182	97.1	48.1	144.3
145	33.9	15.8	47.3

