

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031219\
 Data File : VW009124.D
 Acq On : 12 Mar 2019 15:20
 Operator : SY/VA
 Sample : VW0312SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Manual Integrations
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 3/14/2019 3:12:22 PM

Quant Time: Mar 13 05:19:32 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	182099	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	231462	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	199996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	98073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	67057	36.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.20%	
35) Dibromofluoromethane	7.88	113	66373	47.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.26%	
50) Toluene-d8	10.32	98	316550	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
62) 4-Bromofluorobenzene	12.62	95	99857	44.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	49974	27.231	ug/l	96
3) Chloromethane	2.21	50	53857	23.101	ug/l	97
4) Vinyl Chloride	2.35	62	54905	23.206	ug/l	97
5) Bromomethane	2.78	94	35940	17.996	ug/l	99
6) Chloroethane	2.92	64	34305	20.367	ug/l	91
7) Trichlorofluoromethane	3.26	101	76639	25.158	ug/l	89
8) Diethyl Ether	3.68	74	12896	13.845	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	46889	24.714	ug/l	99
10) Methyl Iodide	4.27	142	33245	18.311	ug/l	97
11) Tert butyl alcohol	5.18	59	7335	52.246	ug/l #	90
12) 1,1-Dichloroethene	4.04	96	37852	23.129	ug/l	82
13) Acrolein	3.90	56	7258	46.980	ug/l	90
14) Allyl chloride	4.67	41	53055	18.378	ug/l	94
15) Acrylonitrile	5.37	53	21550	53.009	ug/l	97
16) Acetone	4.14	43	23787	57.536	ug/l	98
17) Carbon Disulfide	4.38	76	118139	21.455	ug/l	99
18) Methyl Acetate	4.68	43	10997	11.567	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	54166	12.512	ug/l	94
20) Methylene Chloride	4.92	84	34301	13.697	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	38520	20.384	ug/l	92
22) Diisopropyl ether	6.31	45	86114	15.010	ug/l	96
23) Vinyl Acetate	6.26	43	211222	59.165	ug/l	100
24) 1,1-Dichloroethane	6.21	63	63411	19.056	ug/l	99
25) 2-Butanone	7.18	43	30744	53.808	ug/l	96
26) 2,2-Dichloropropane	7.17	77	66117	21.859	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	35299	17.393	ug/l	94
28) Bromochloromethane	7.51	49	18878	13.639	ug/l	98
29) Tetrahydrofuran	7.53	42	18013	50.028	ug/l	96
30) Chloroform	7.67	83	61795	18.038	ug/l	93
31) Cyclohexane	7.95	56	77137	22.576	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	68746	21.744	ug/l	98
36) 1,1-Dichloropropene	8.08	75	61198	25.286	ug/l	99
37) Ethyl Acetate	7.26	43	12449	10.951	ug/l #	79
38) Carbon Tetrachloride	8.07	117	65161	26.070	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	74095	25.704	ug/l	95
40) Benzene	8.32	78	137234	21.242	ug/l	98
41) Methacrylonitrile	7.48	41	6915	10.954	ug/l	94
42) 1,2-Dichloroethane	8.40	62	34403	16.494	ug/l	97
43) Isopropyl Acetate	8.43	43	26440	12.488	ug/l	96
44) Trichloroethene	9.09	130	42002	23.196	ug/l	85
45) 1,2-Dichloropropane	9.37	63	30404	18.790	ug/l #	85
46) Dibromomethane	9.46	93	13494	15.270	ug/l	97
47) Bromodichloromethane	9.64	83	40279	18.006	ug/l #	98
48) Methyl methacrylate	9.43	41	13102	13.290	ug/l	95
49) 1,4-Dioxane	9.46	88	3299	260.697	ug/l #	73
51) 4-Methyl-2-Pentanone	10.21	43	66069	61.467	ug/l	99
52) Toluene	10.39	92	97321	22.212	ug/l	97
53) t-1,3-Dichloropropene	10.60	75	32929	14.883	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	41361	16.268	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	18473	15.423	ug/l	86
56) Ethyl methacrylate	10.65	69	18787	12.638	ug/l	95
57) 1,3-Dichloropropane	10.93	76	31396	14.797	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	46293	60.072	ug/l	98
59) 2-Hexanone	10.97	43	45671	60.434	ug/l	97
60) Dibromochloromethane	11.13	129	21178	14.287	ug/l	93
61) 1,2-Dibromoethane	11.23	107	16544	14.090	ug/l	97
64) Tetrachloroethene	10.86	164	39581	27.443	ug/l	96
65) Chlorobenzene	11.66	112	94782	21.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	29931	20.592	ug/l	99
67) Ethyl Benzene	11.73	91	187775	23.877	ug/l	99
68) m/p-Xylenes	11.84	106	144811	46.651	ug/l	99
69) o-Xylene	12.16	106	63620	22.027	ug/l	95
70) Styrene	12.18	104	91868	19.659	ug/l	98
71) Bromoform	12.35	173	12242	15.686	ug/l #	97
73) Isopropylbenzene	12.46	105	192611	27.425	ug/l	99
74) N-amyl acetate	12.27	43	24040	14.459	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	12.71	83	19743	17.821	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	13496m	17.417	ug/l	
77) Bromobenzene	12.75	156	35839	22.334	ug/l	95
78) n-propylbenzene	12.80	91	236417	27.329	ug/l	99
79) 2-Chlorotoluene	12.90	91	120627	24.819	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	152915	25.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	5689	16.422	ug/l	99
82) 4-Chlorotoluene	12.99	91	122049	23.557	ug/l	99
83) tert-Butylbenzene	13.21	119	138571	27.140	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	142906	23.336	ug/l	97
85) sec-Butylbenzene	13.39	105	208441	27.554	ug/l	98
86) p-Isopropyltoluene	13.50	119	175410	25.920	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	76729	22.752	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	71808	21.546	ug/l	99
89) n-Butylbenzene	13.83	91	161186	25.055	ug/l	99
90) Hexachloroethane	14.10	117	30779	26.371	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	61481	20.663	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	3092	15.671	ug/l	99

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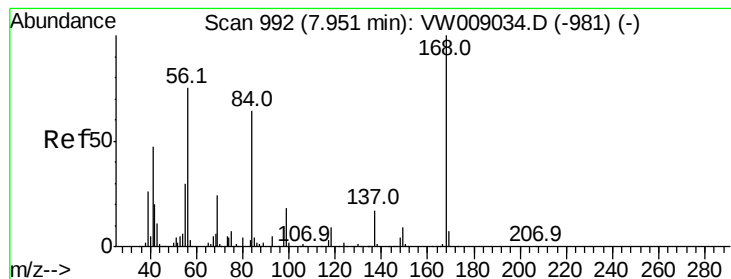
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	33948	16.894	ug/l	98
94) Hexachlorobutadiene	15.24	225	32820	26.076	ug/l	99
95) Naphthalene	15.37	128	39454	11.995	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	26759	15.144	ug/l	99

(#) = 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: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:168 Resp: 182099

Ion Ratio Lower Upper

168 100

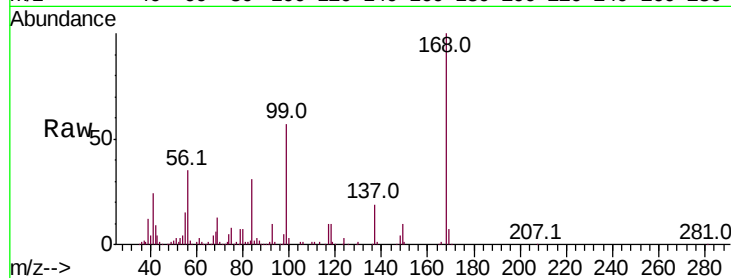
99 57.3 42.2 63.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

40000

20000

0

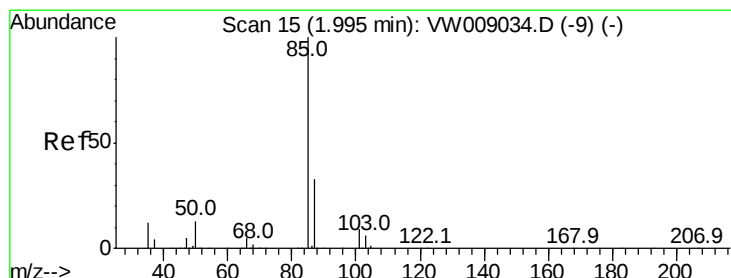
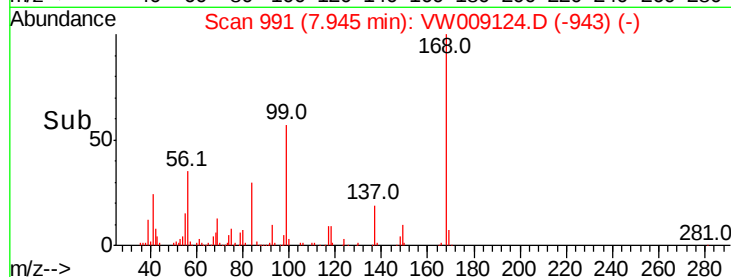
Time-->

7.80

7.90

8.00

8.10



#2

Dichlorodifluoromethane

Concen: 27.231 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009124.D

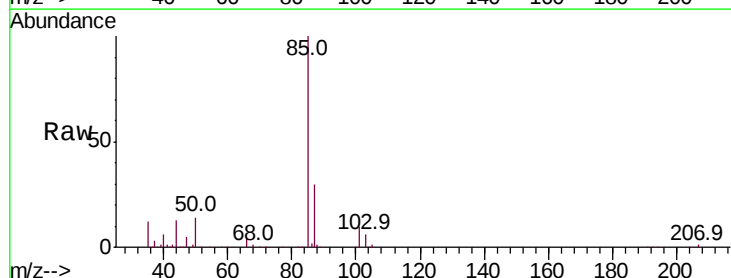
Acq: 12 Mar 2019 15:20

Tgt Ion: 85 Resp: 49974

Ion Ratio Lower Upper

85 100

87 30.4 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

20000

10000

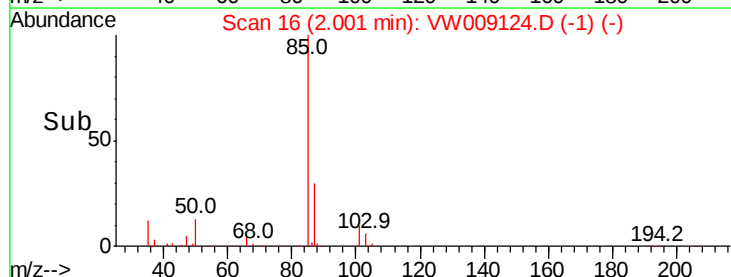
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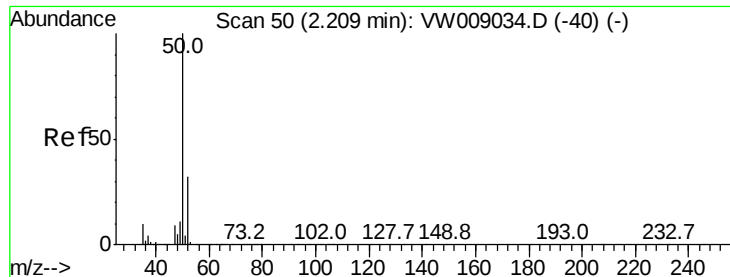
Time-->

1.95

2.00

2.05





#3

Chloromethane

Concen: 23.101 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 50 Resp: 53857

Ion Ratio Lower Upper

50 100

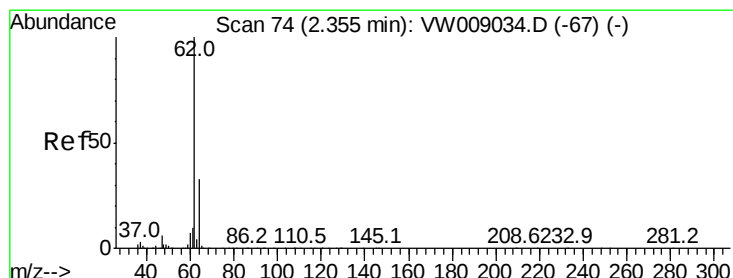
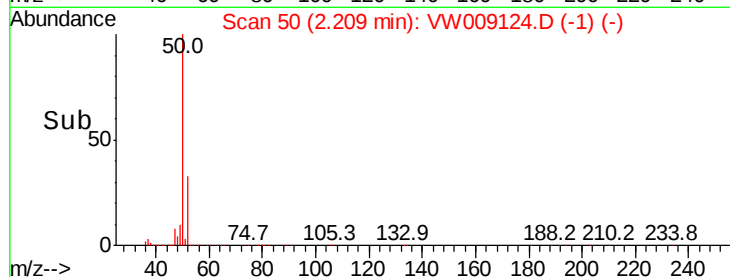
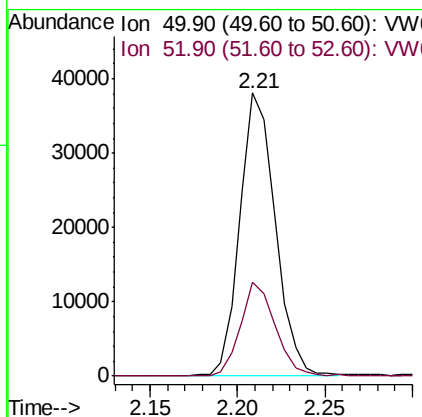
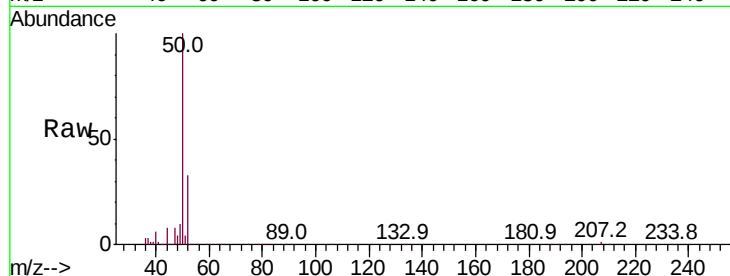
52 33.2 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 23.206 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009124.D

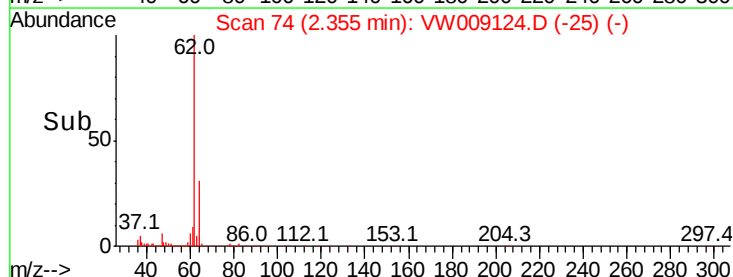
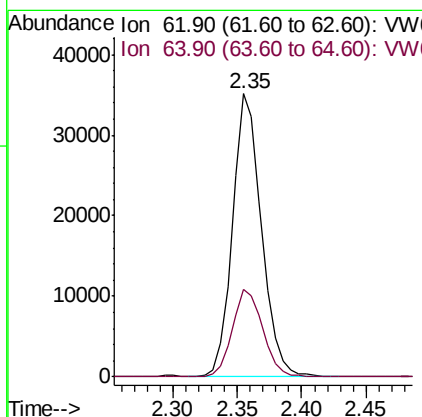
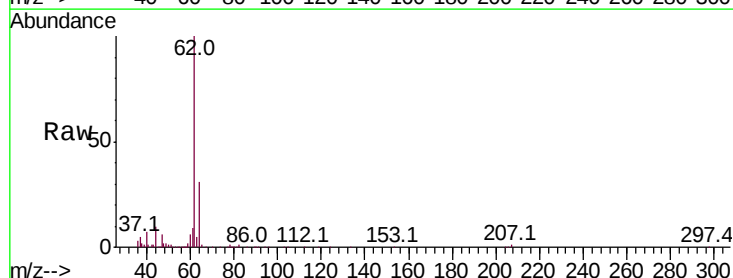
Acq: 12 Mar 2019 15:20

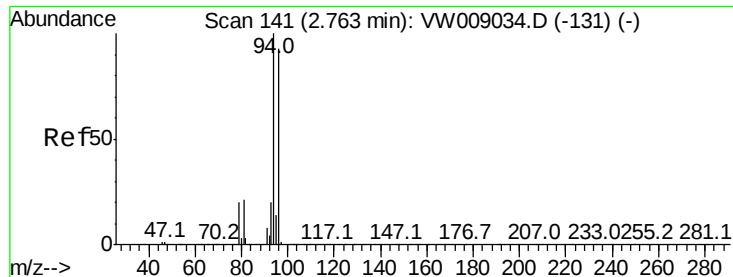
Tgt Ion: 62 Resp: 54905

Ion Ratio Lower Upper

62 100

64 31.0 26.0 39.0





#5

Bromomethane

Concen: 17.996 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 94 Resp: 35940

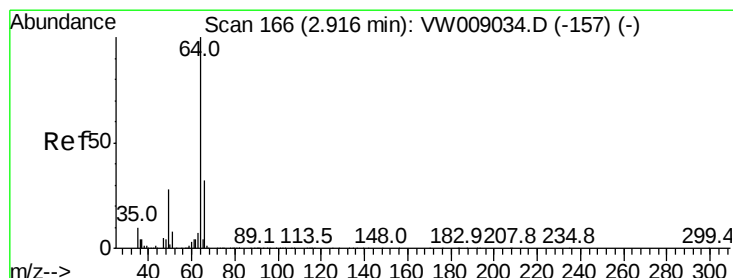
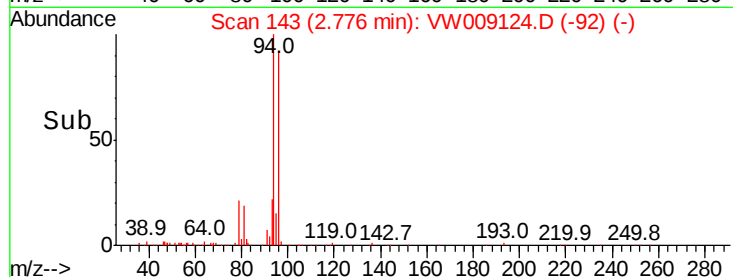
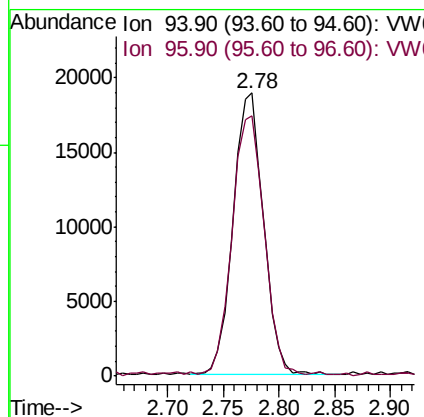
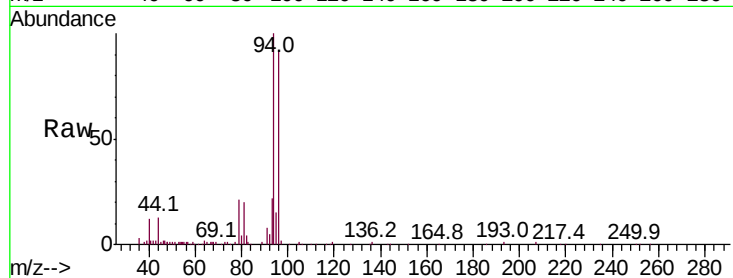
Ion Ratio Lower Upper

94 100

96 91.8 74.4 111.6

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#6

Chloroethane

Concen: 20.367 ug/l

RT: 2.92 min Scan# 167

Delta R.T. 0.01 min

Lab File: VW009124.D

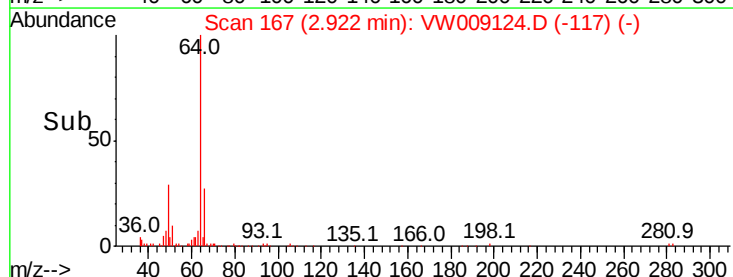
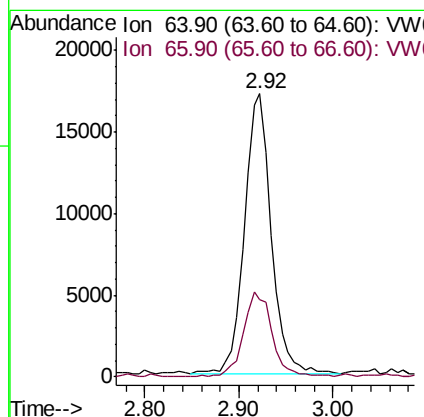
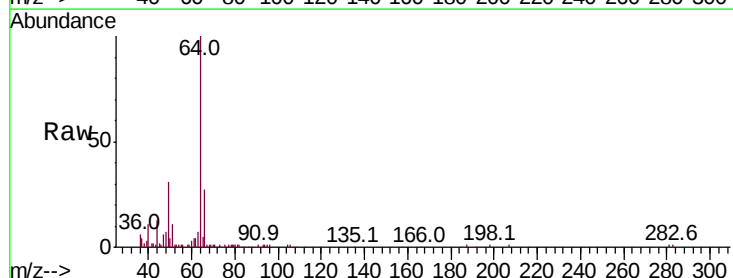
Acq: 12 Mar 2019 15:20

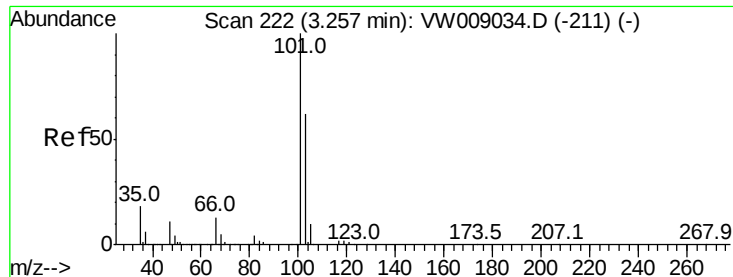
Tgt Ion: 64 Resp: 34305

Ion Ratio Lower Upper

64 100

66 27.2 25.5 38.3





#7

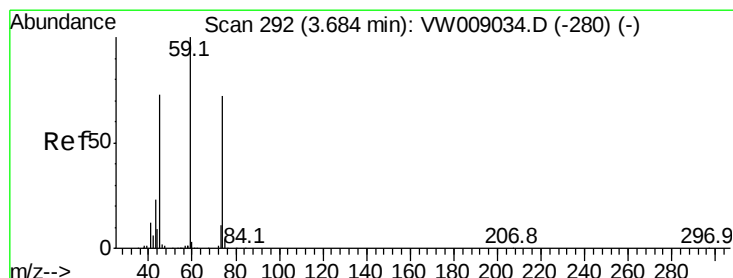
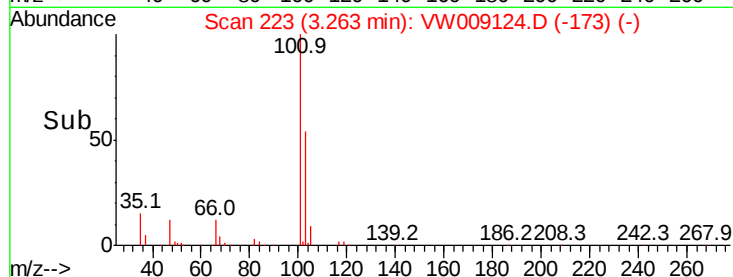
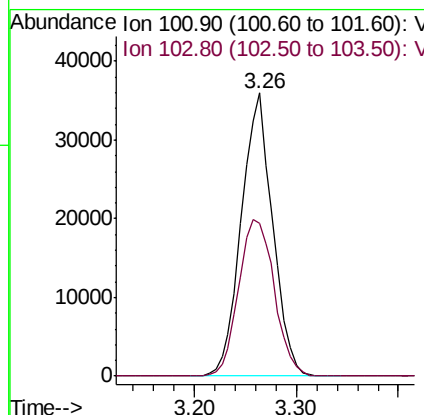
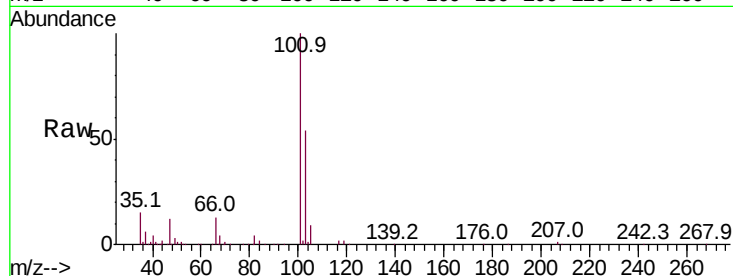
Trichlorofluoromethane
Concen: 25.158 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
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ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	53.9	49.9	74.9

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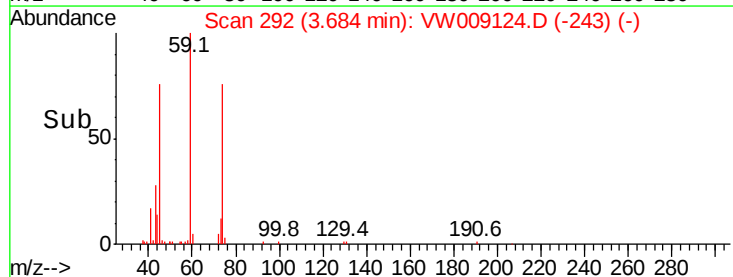
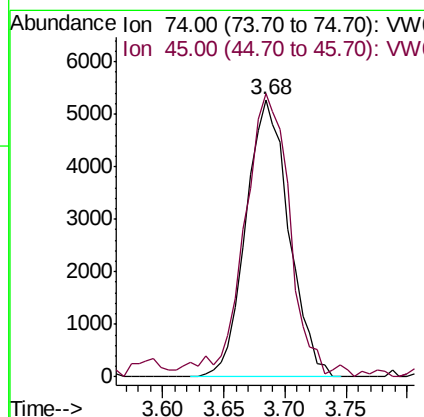
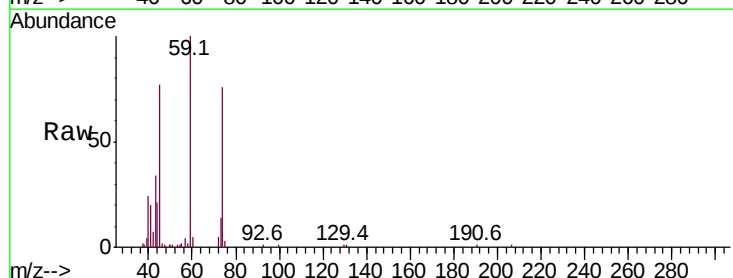
MMDadoda
3/14/2019 3:12:22 PM

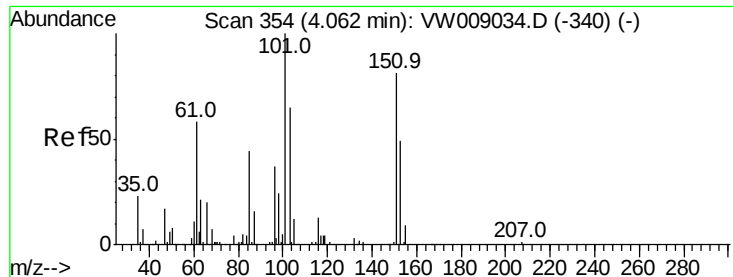


#8

Diethyl Ether
Concen: 13.845 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.8	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.714 ug/l

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

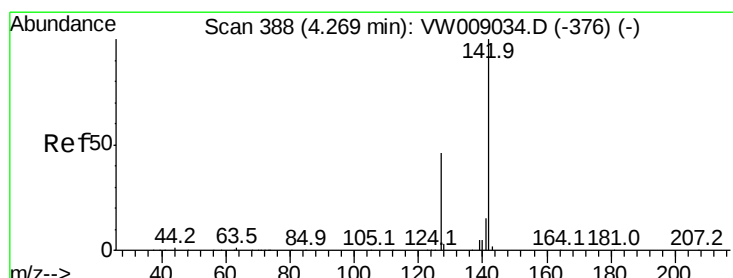
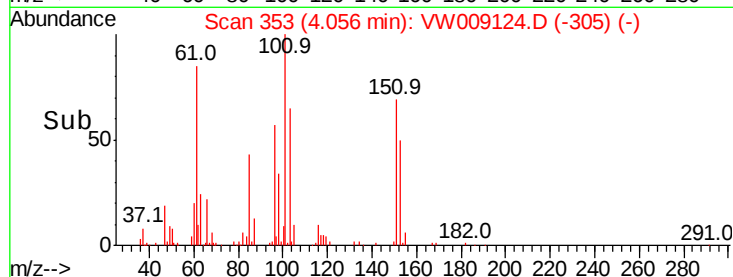
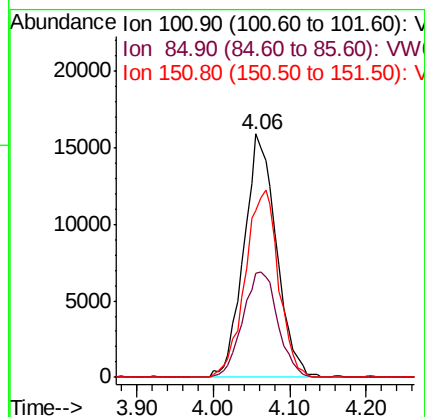
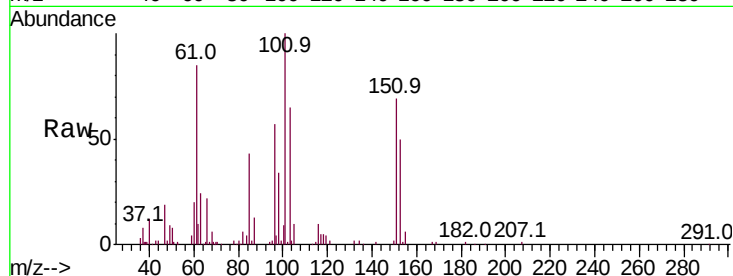
ClientSampleId :

VW0312SBS01

Tot Ion:	101	Resp:	46889
Ion Ratio	Lower	Upper	
101	100		
85	46.4	36.2	54.4
151	79.1	63.4	95.2

Manual Integrations
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#10

Methyl Iodide

Concen: 18.311 ug/l

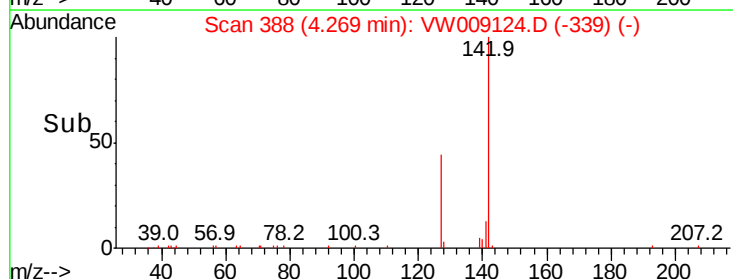
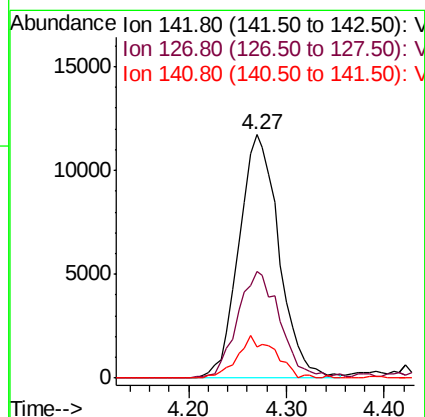
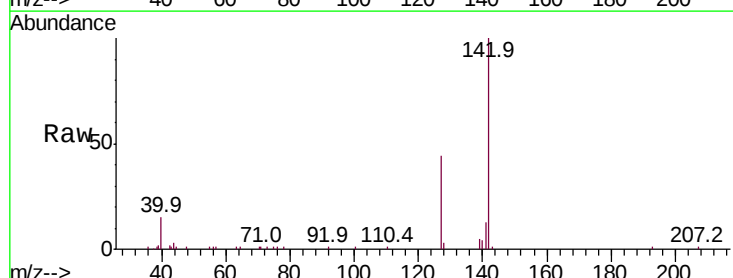
RT: 4.27 min Scan# 388

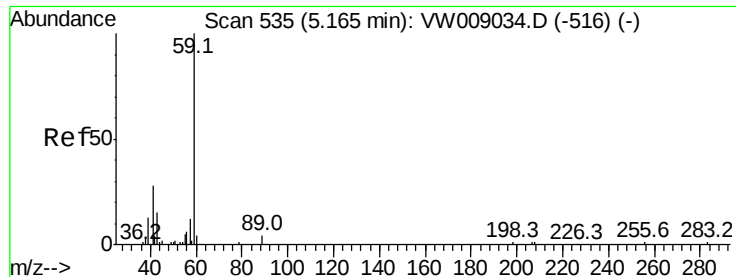
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	142	Resp:	33245
Ion Ratio	Lower	Upper	
142	100		
127	46.7	35.8	53.6
141	16.2	11.8	17.8





#11

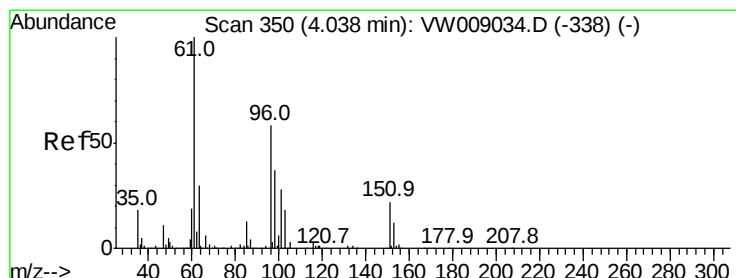
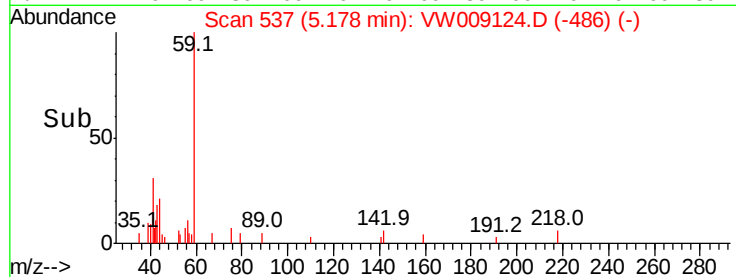
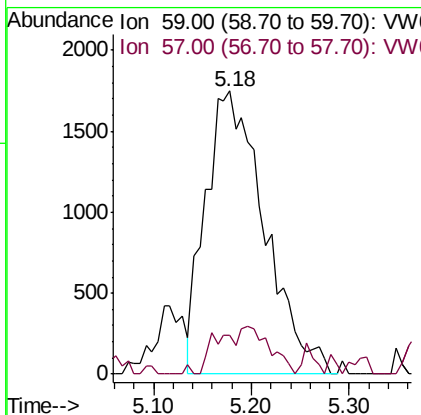
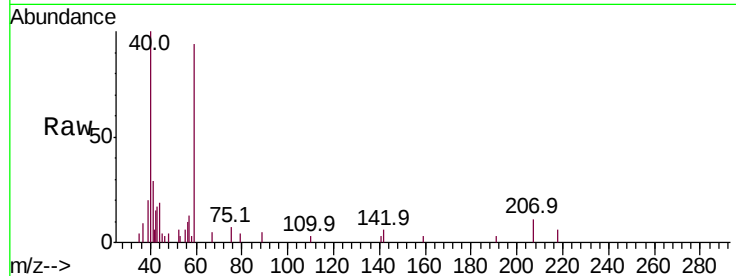
Tert butyl alcohol
Concen: 52.246 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.6	8.6	12.8#

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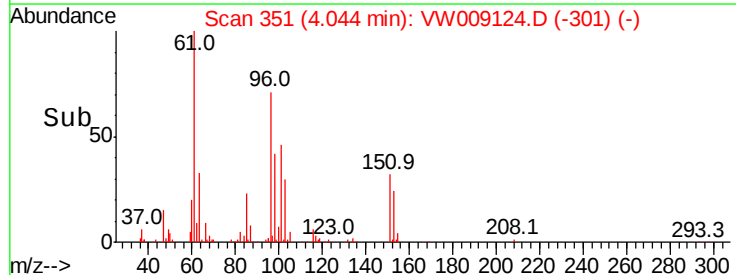
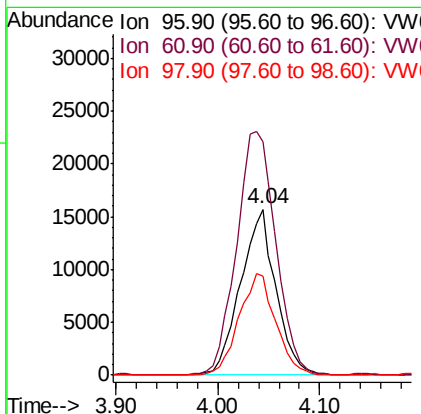
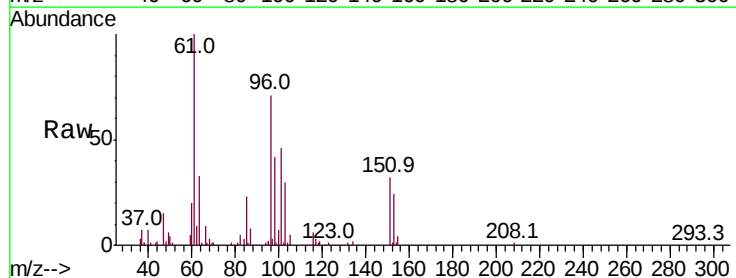
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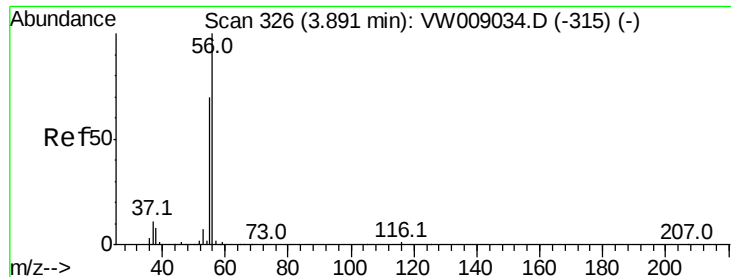


#12

1,1-Dichloroethene
Concen: 23.129 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.8	138.2	207.2
98	59.6	51.3	76.9





#13

Acrolein

Concen: 46.980 ug/l

RT: 3.90 min Scan# 328

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 56 Resp: 7258

Ion Ratio Lower Upper

56 100

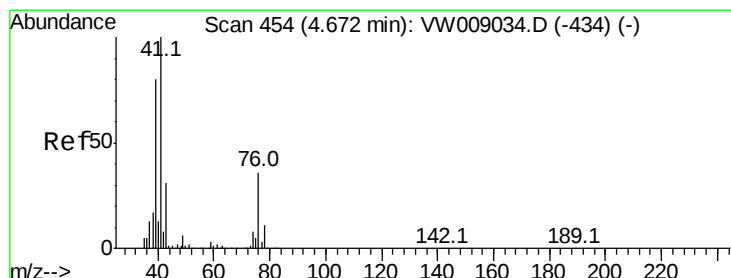
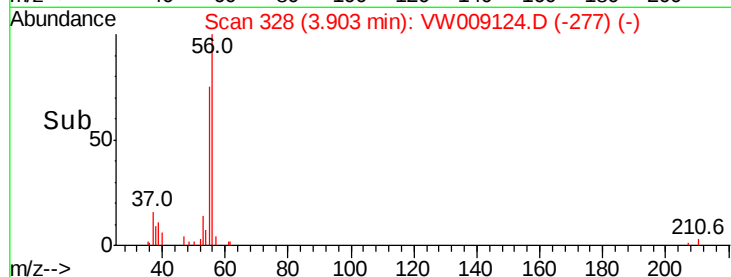
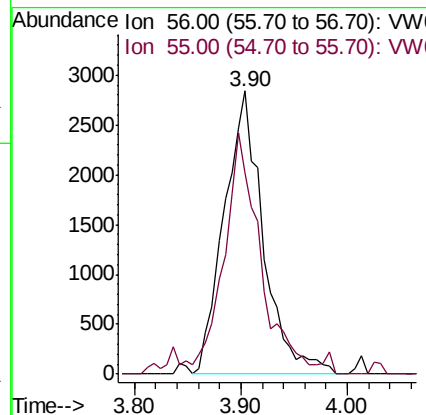
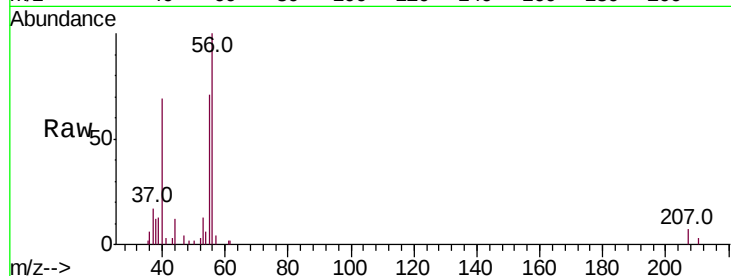
55 79.2 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 18.378 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

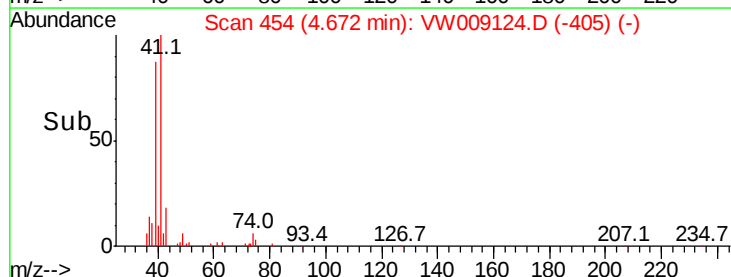
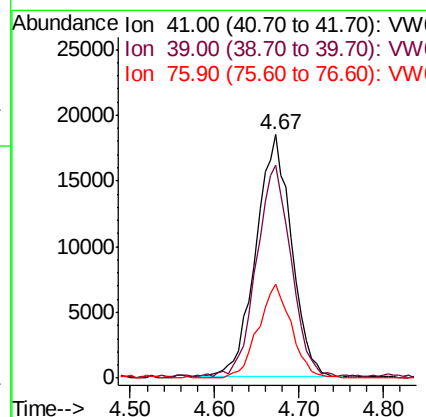
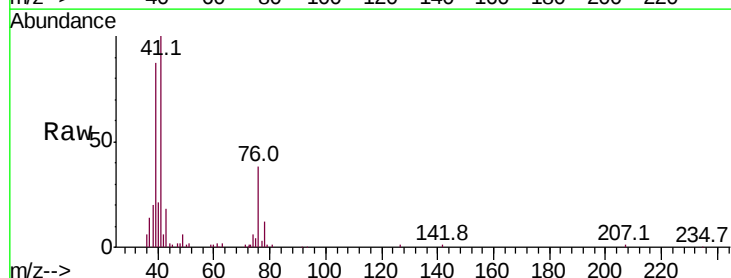
Tgt Ion: 41 Resp: 53055

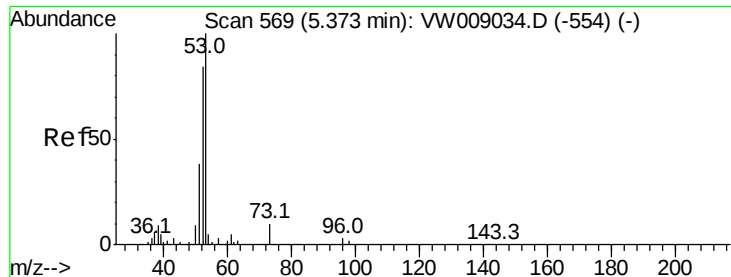
Ion Ratio Lower Upper

41 100

39 85.3 63.0 94.4

76 36.2 28.2 42.2





#15

Acrylonitrile

Concen: 53.009 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

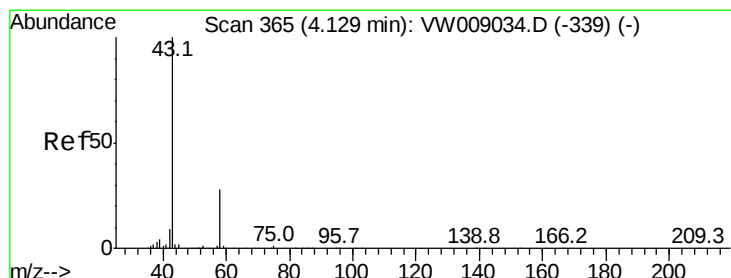
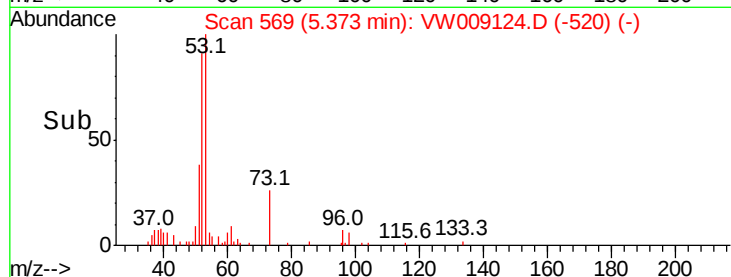
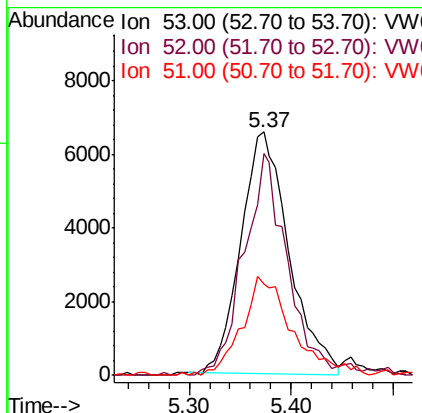
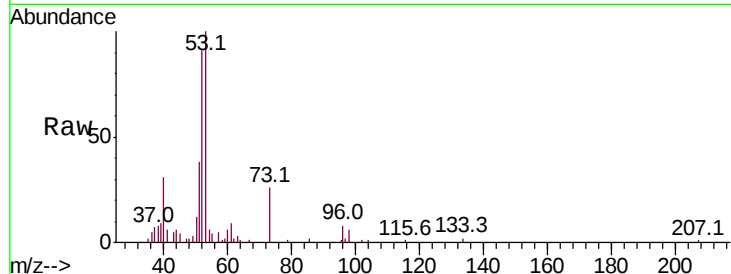
ClientSampleId :

VW0312SBS01

Tot Ion:	53	Resp:	21550
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.2	100.8
51	42.7	31.8	47.6

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#16

Acetone

Concen: 57.536 ug/l

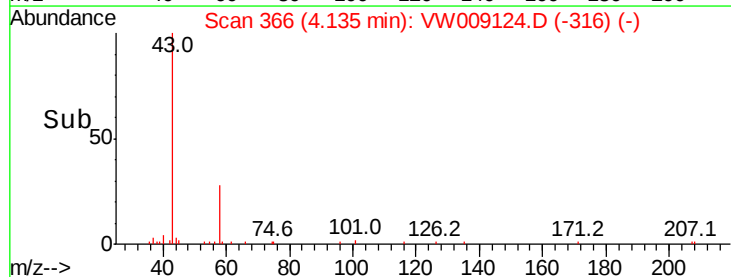
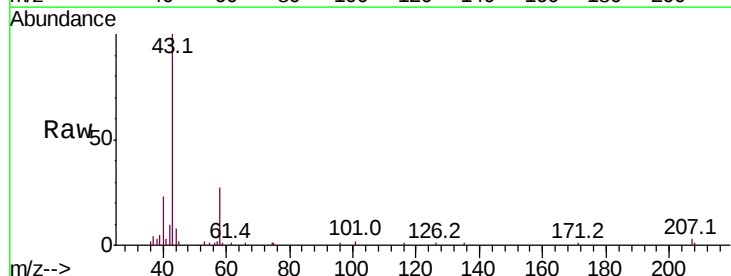
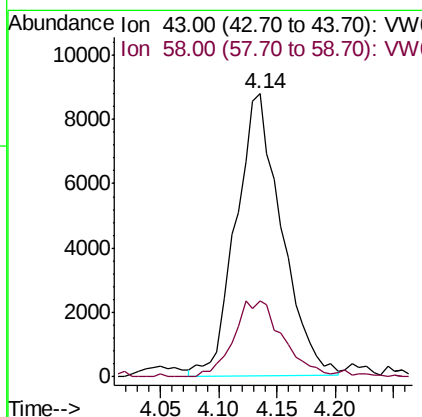
RT: 4.14 min Scan# 366

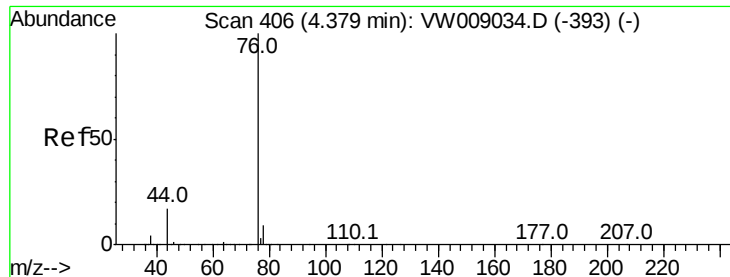
Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	43	Resp:	23787
Ion	Ratio	Lower	Upper
43	100		
58	27.3	22.5	33.7





#17

Carbon Disulfide

Concen: 21.455 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 76 Resp: 118139

Ion Ratio Lower Upper

76 100

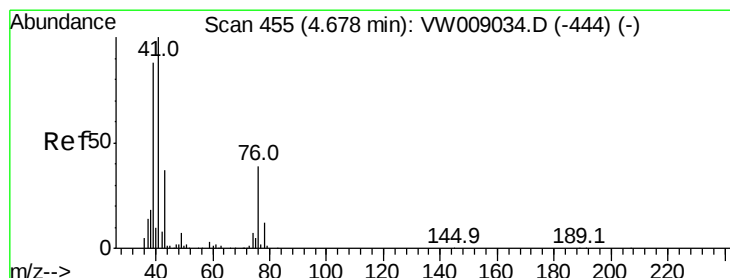
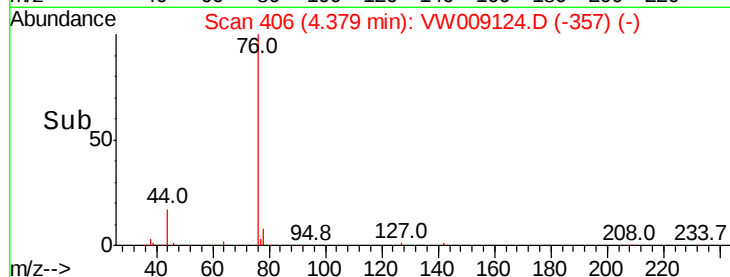
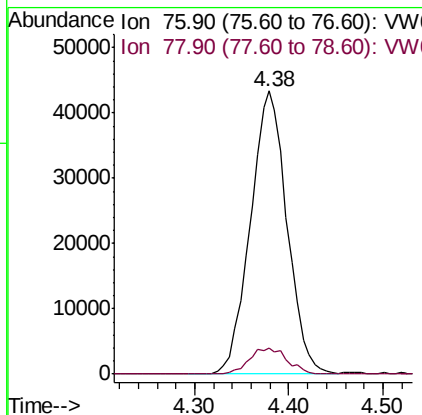
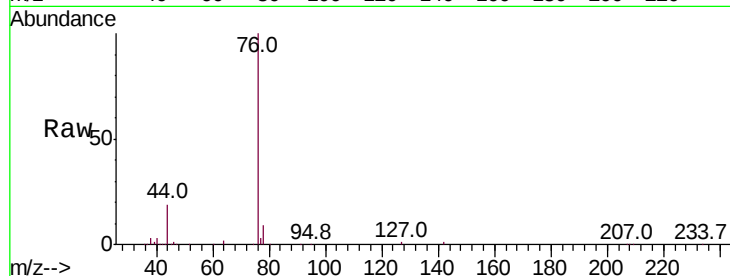
78 9.1 7.0 10.6

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#18

Methyl Acetate

Concen: 11.567 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW009124.D

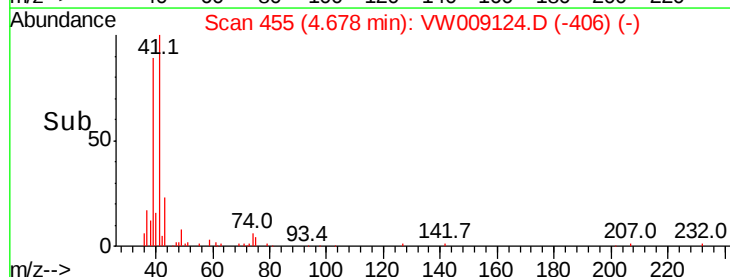
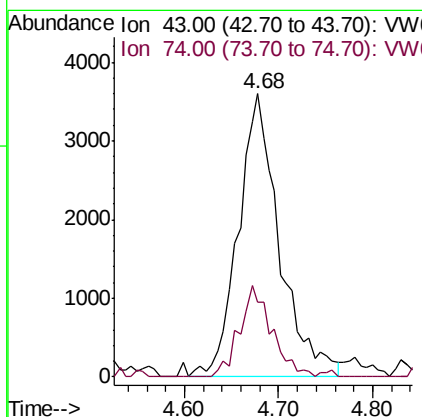
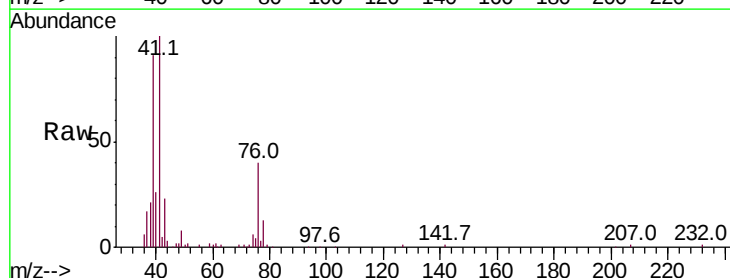
Acq: 12 Mar 2019 15:20

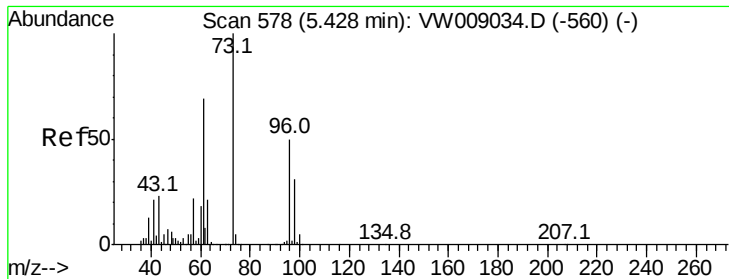
Tgt Ion: 43 Resp: 10997

Ion Ratio Lower Upper

43 100

74 25.2 17.6 26.4





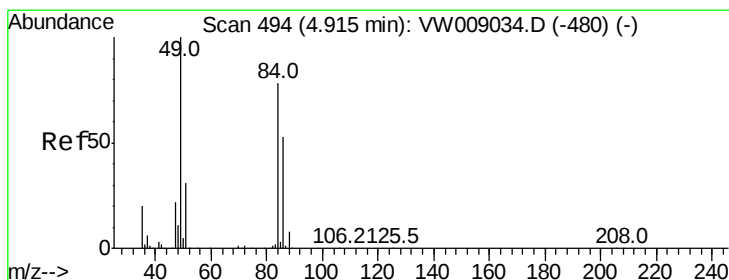
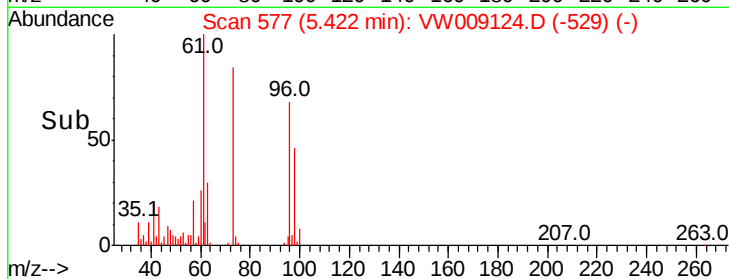
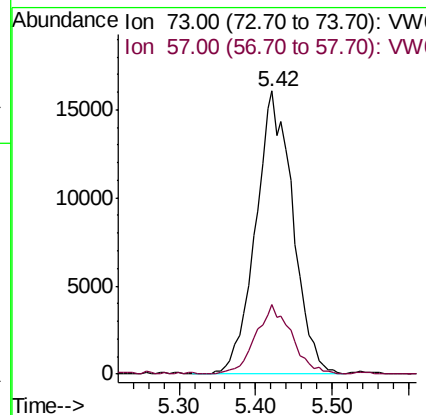
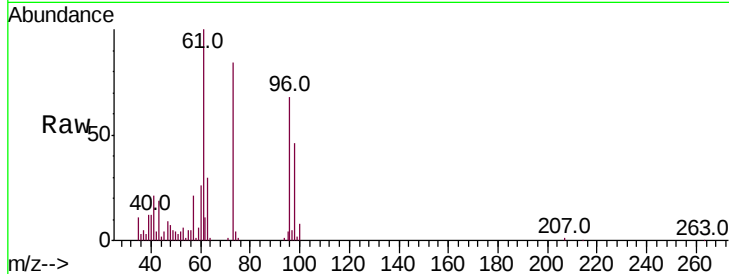
#19
Methvl tert-butvl Ether
Concen: 12.512 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion: 73 Resp: 54166
Ion Ratio Lower Upper
73 100
57 24.4 17.3 25.9

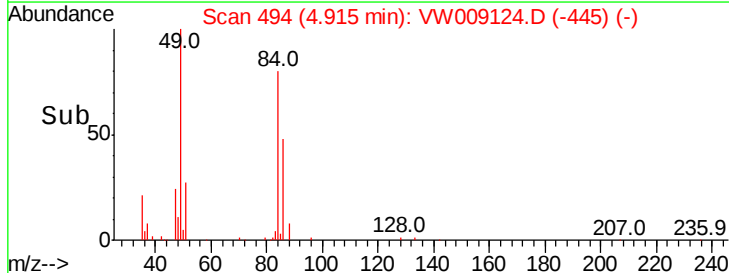
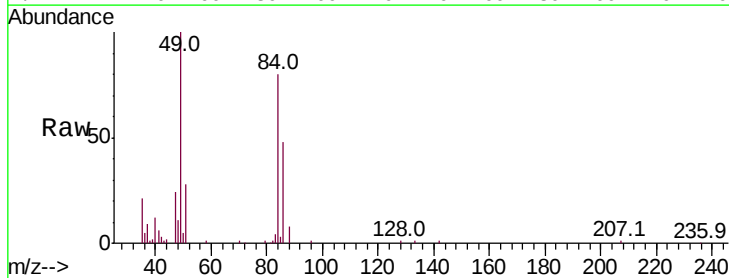
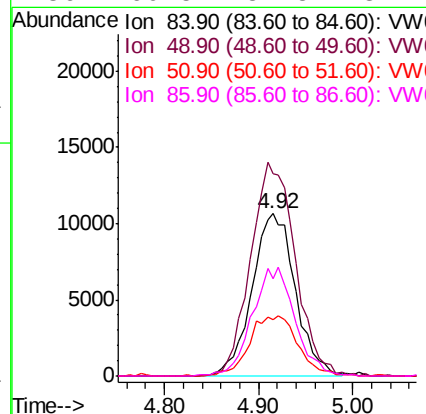
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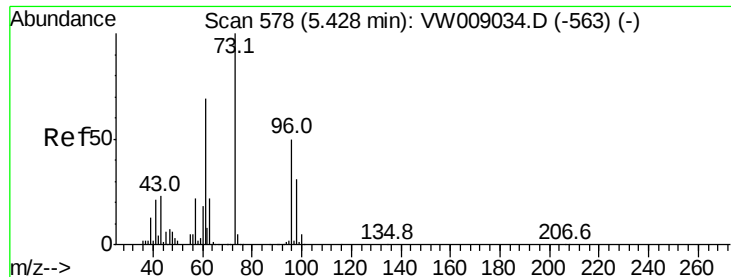
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#20
Methylene Chloride
Concen: 13.697 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 84 Resp: 34301
Ion Ratio Lower Upper
84 100
49 124.9 102.4 153.6
51 35.2 31.6 47.4
86 60.5 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 20.384 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

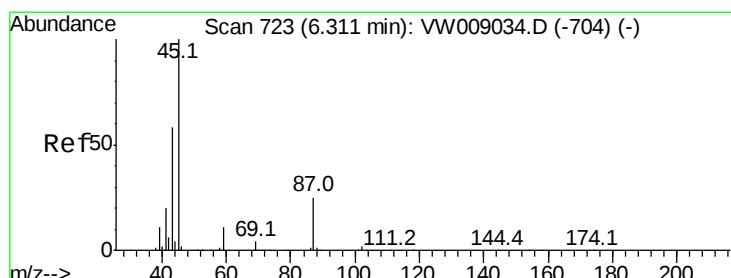
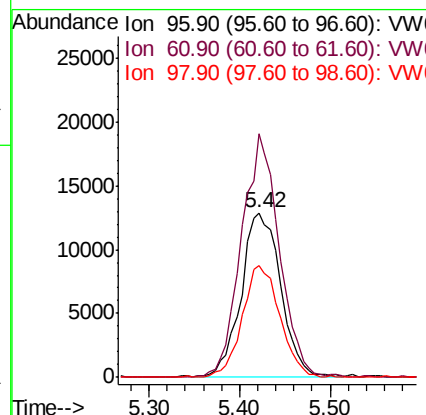
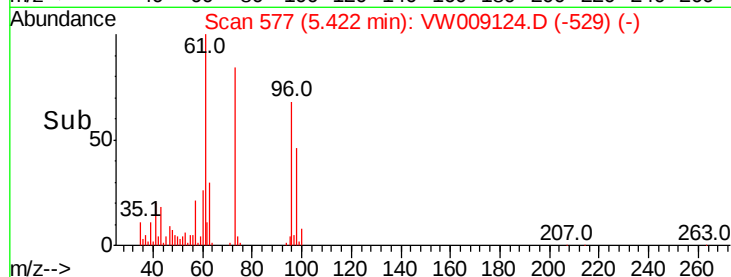
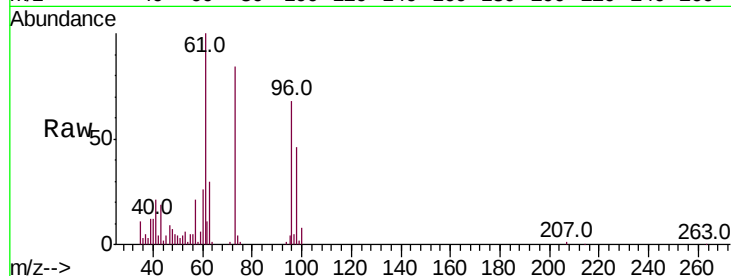
ClientSampleId :

VW0312SBSD01

Tot Ion:	96	Resp:	38520
Ion Ratio	Lower	Upper	
96	100		
61	148.3	111.0	166.6
98	68.3	49.4	74.0

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#22

Diisopropyl ether

Concen: 15.010 ug/l

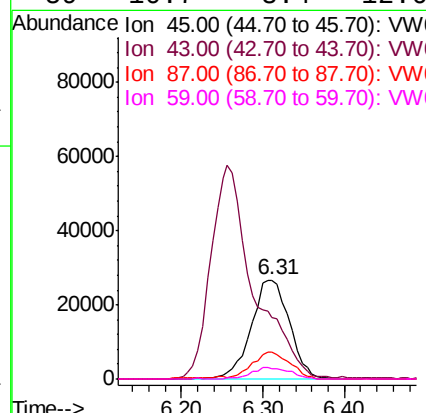
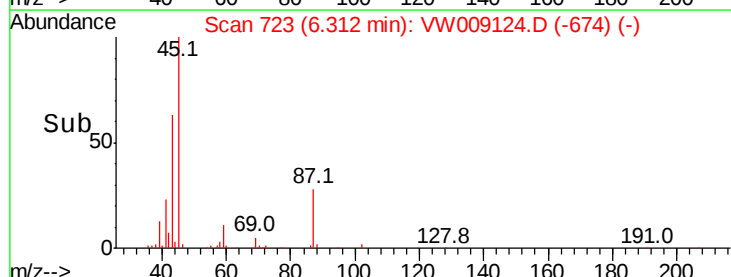
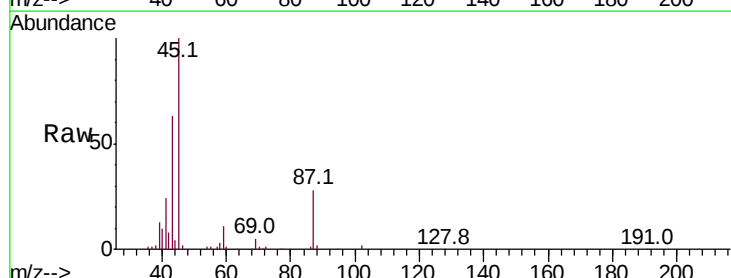
RT: 6.31 min Scan# 723

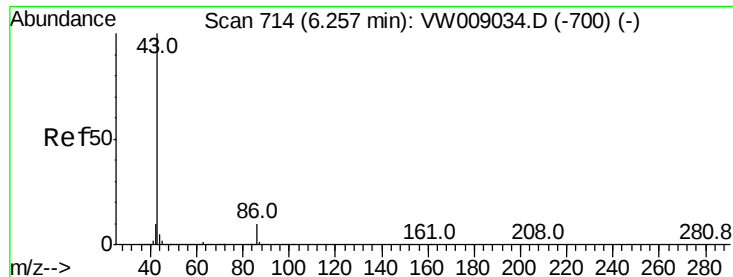
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	45	Resp:	86114
Ion Ratio	Lower	Upper	
45	100		
43	60.5	46.2	69.4
87	27.7	20.1	30.1
59	10.7	8.4	12.6





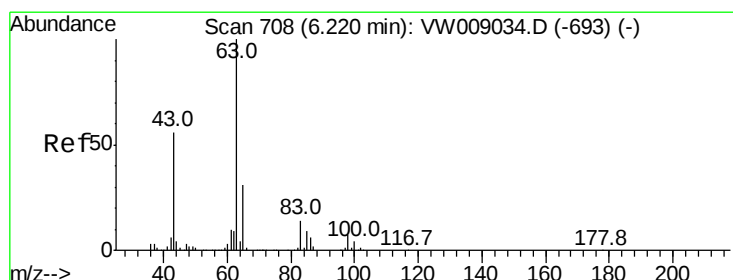
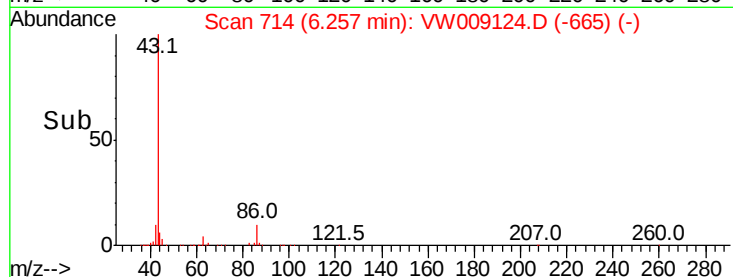
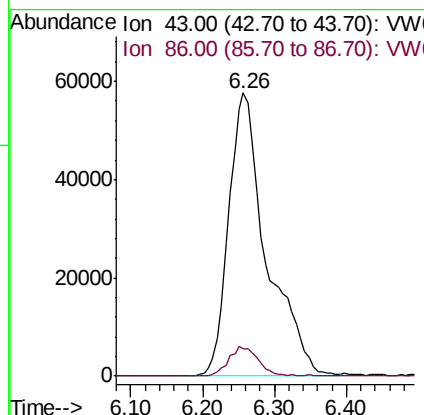
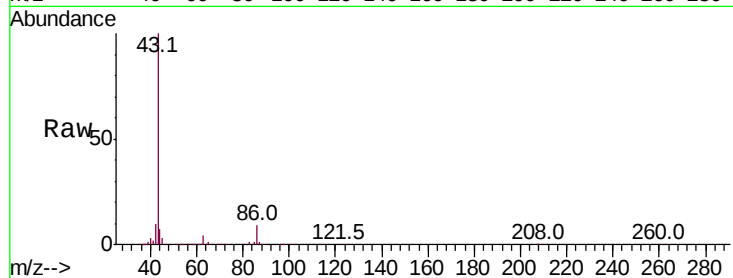
#23
 Vinyl Acetate
 Concen: 59.165 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.6	11.4

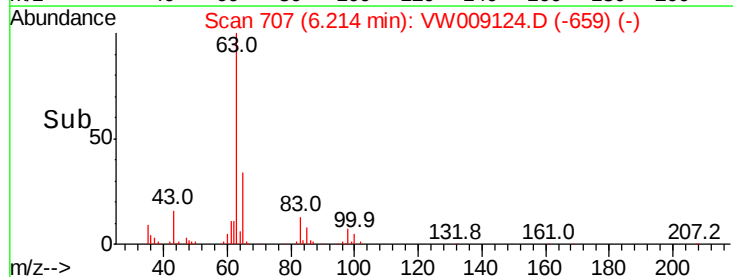
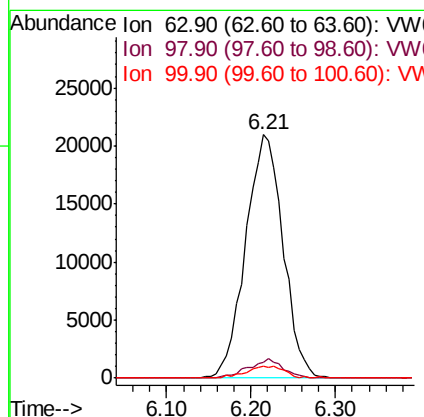
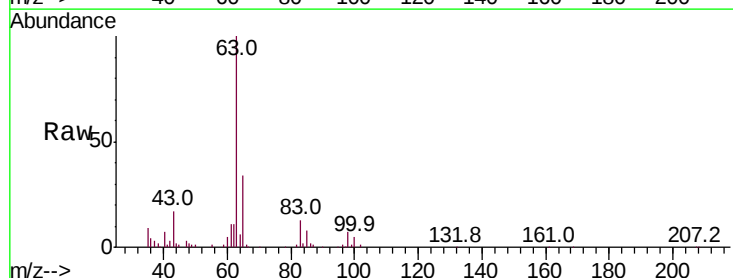
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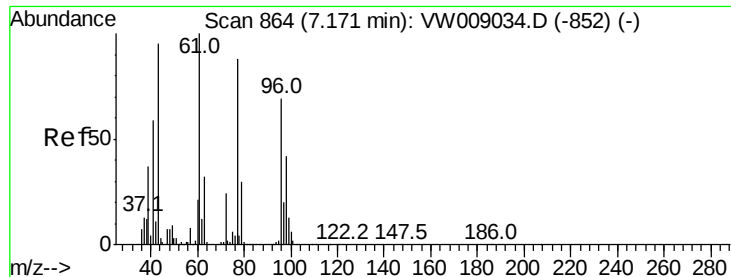
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#24
 1,1-Dichloroethane
 Concen: 19.056 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.2
100	4.9	2.1	6.2





#25

2-Butanone

Concen: 53.808 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 43 Resp: 30744

Ion Ratio Lower Upper

43 100

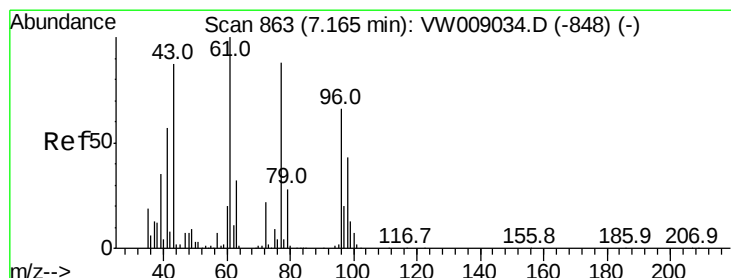
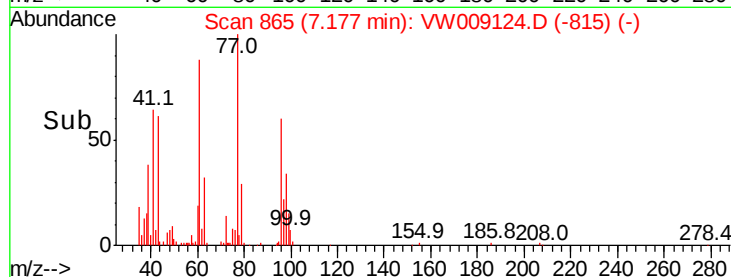
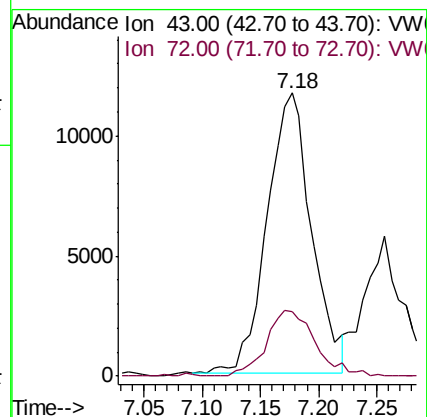
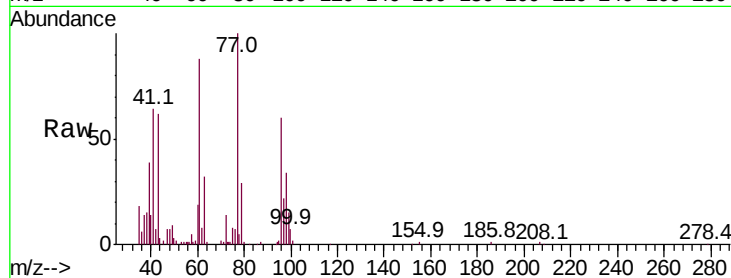
72 22.8 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.859 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009124.D

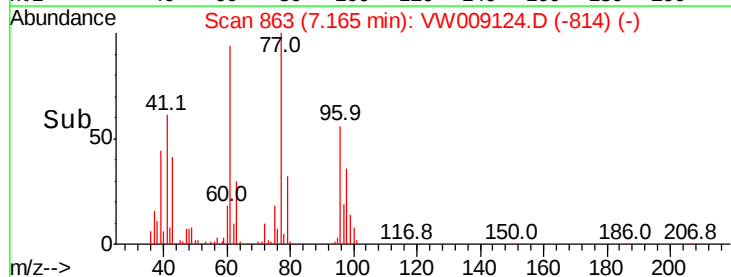
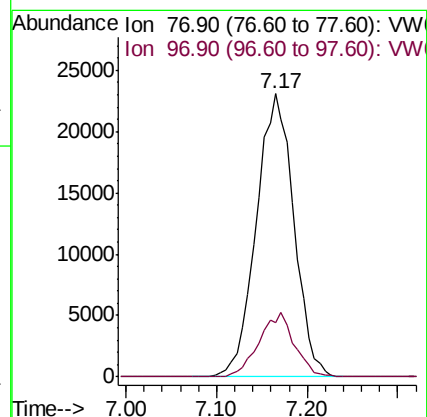
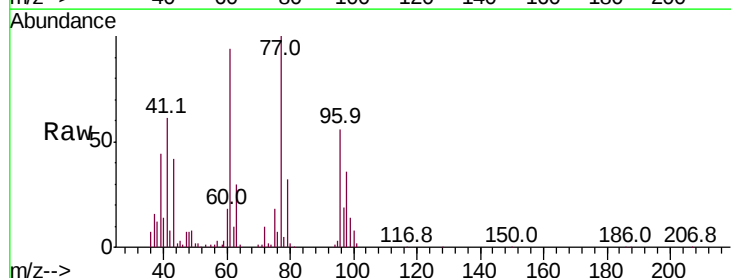
Acq: 12 Mar 2019 15:20

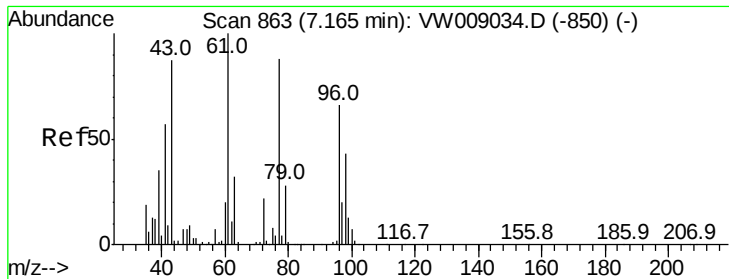
Tgt Ion: 77 Resp: 66117

Ion Ratio Lower Upper

77 100

97 21.2 10.9 32.9





#27

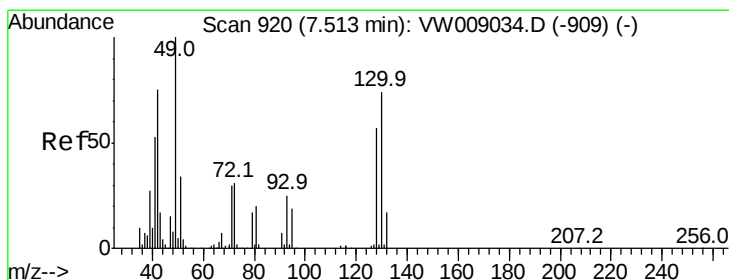
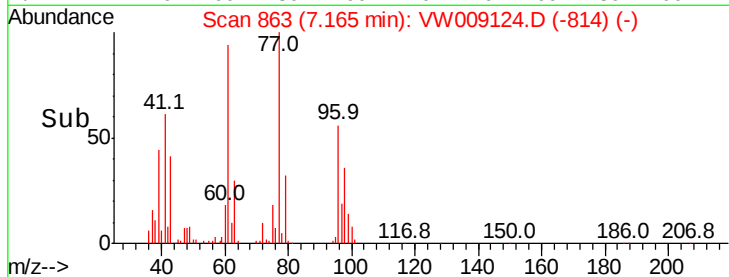
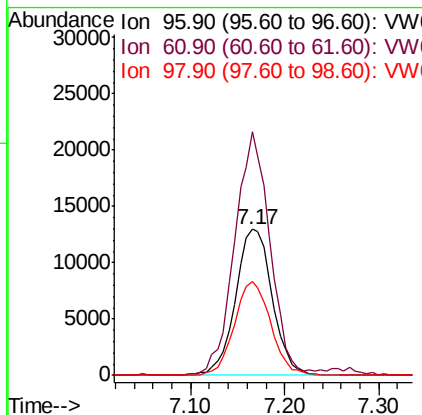
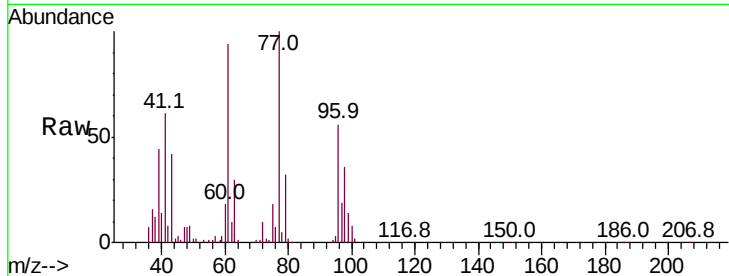
cis-1,2-Dichloroethene
Concen: 17.393 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	0.0	299.8
98	63.8	0.0	127.2

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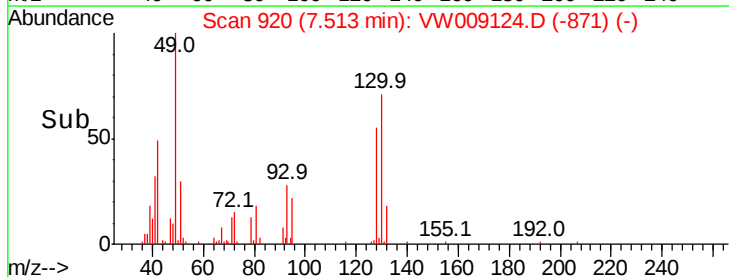
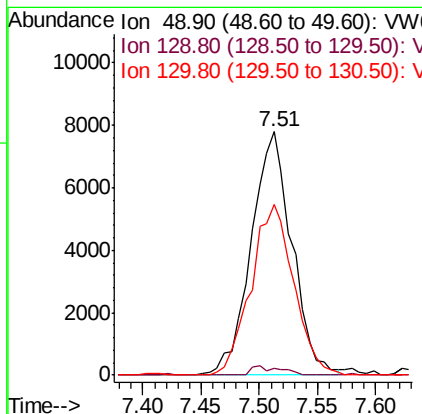
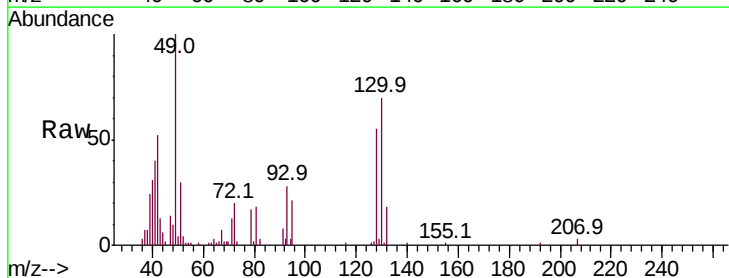
MMDadoda
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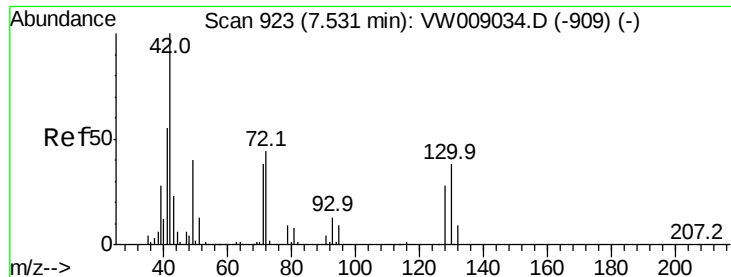


#28

Bromochloromethane
Concen: 13.639 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.6
130	73.6	60.4	90.6





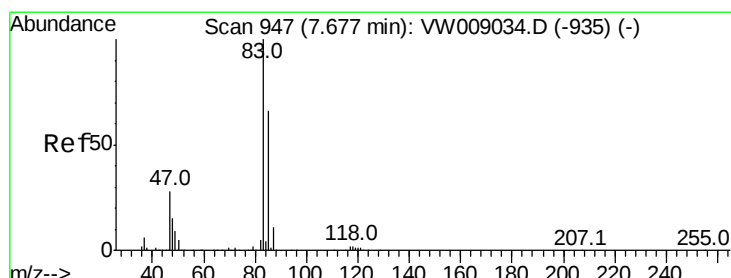
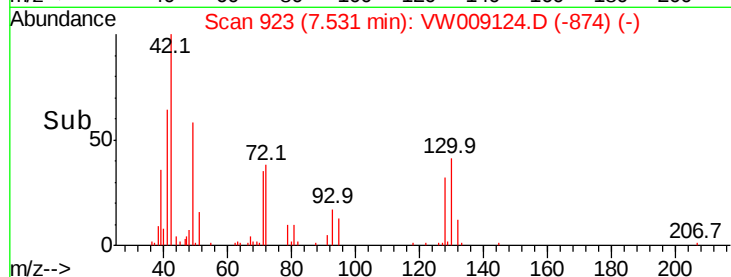
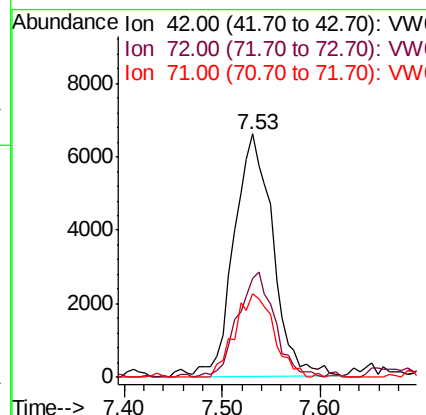
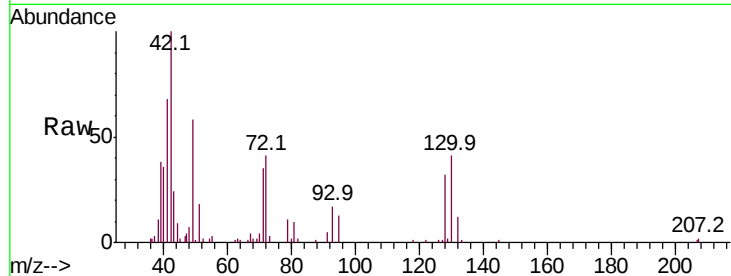
#29
Tetrahydrofuran
Concen: 50.028 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.6	32.2	48.4
71	35.0	30.7	46.1

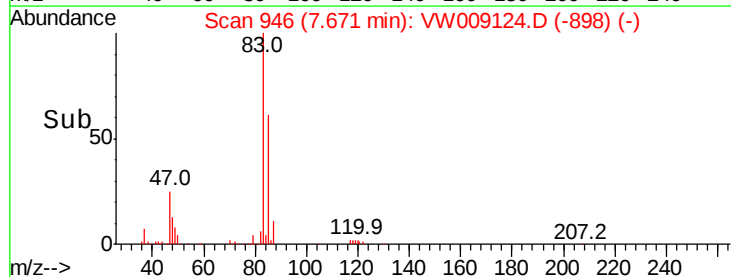
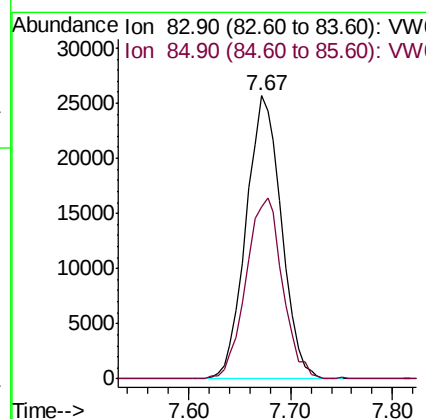
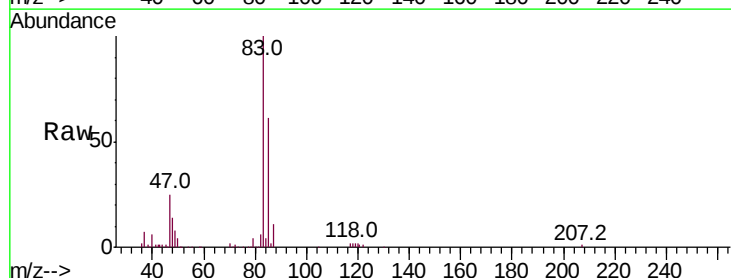
Manual Integrations
APPROVED

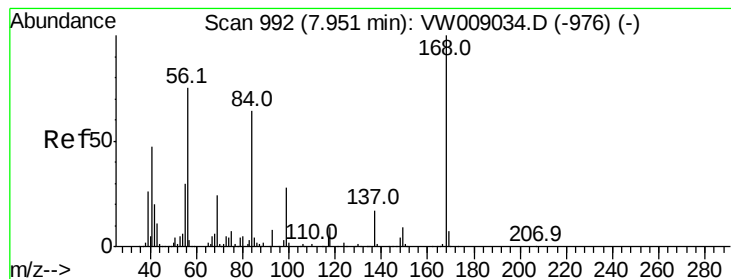
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#30
Chloroform
Concen: 18.038 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.7	53.0	79.6





#31

Cyclohexane

Concen: 22.576 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

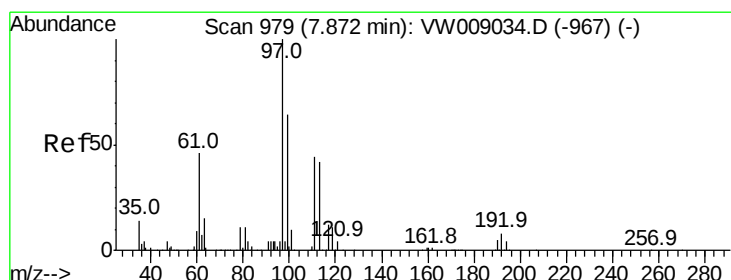
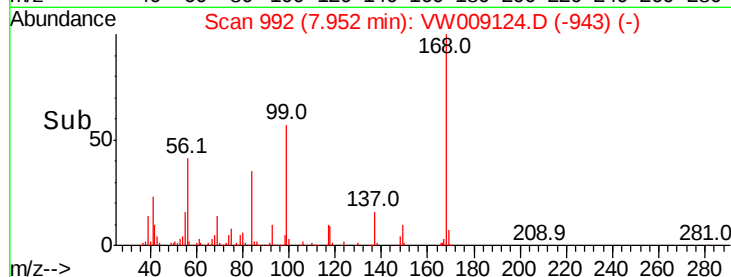
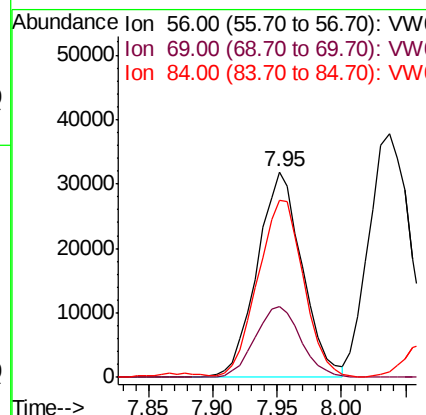
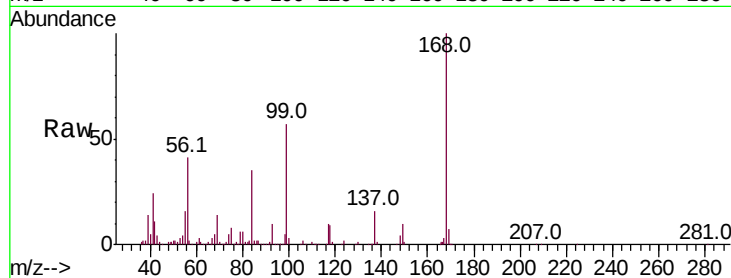
ClientSampleId :

VW0312SBS01

Tot Ion:	56	Resp:	77137
Ion	Ratio	Lower	Upper
56	100		
69	34.2	25.5	38.3
84	84.8	68.6	103.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.744 ug/l

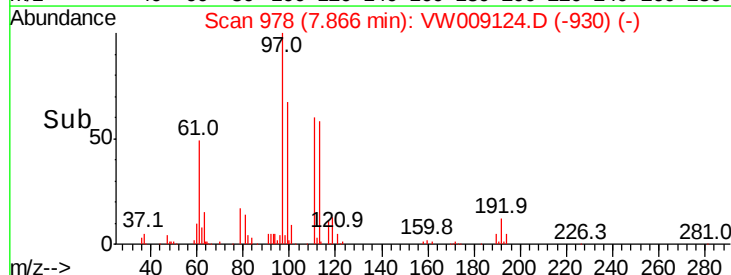
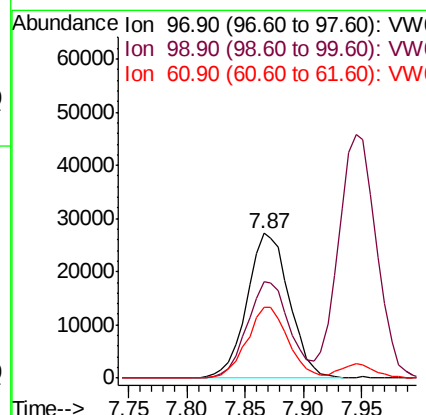
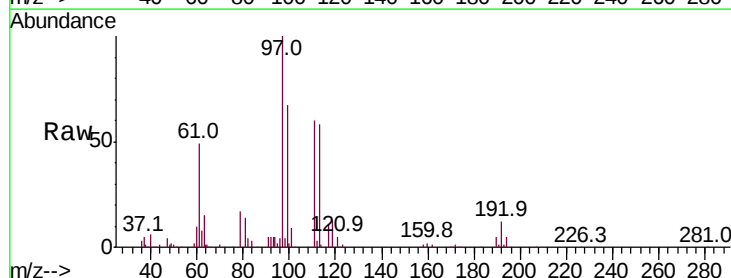
RT: 7.87 min Scan# 978

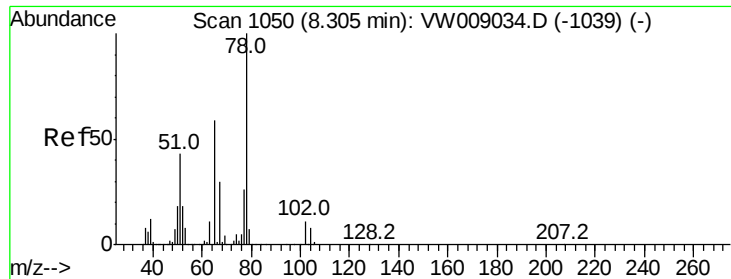
Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	97	Resp:	68746
Ion	Ratio	Lower	Upper
97	100		
99	67.3	51.8	77.8
61	47.5	37.3	55.9





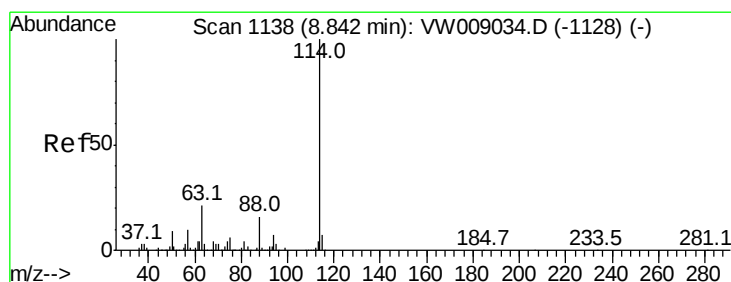
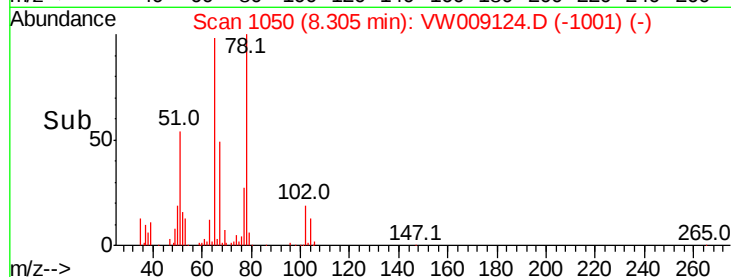
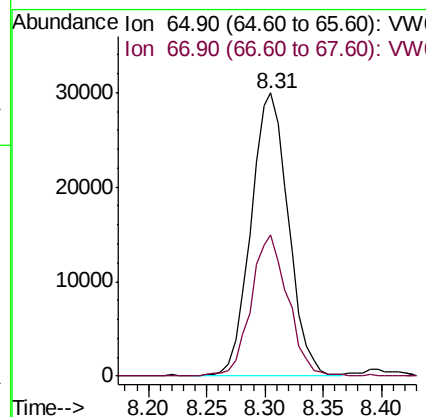
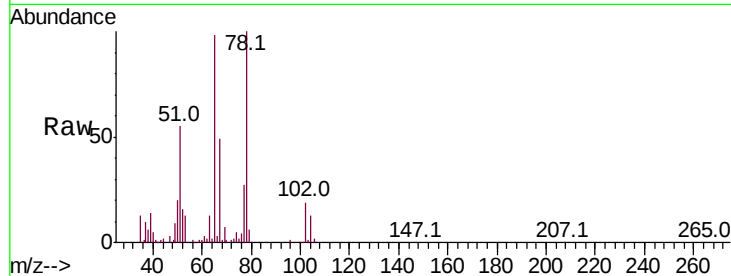
#33
 1,2-Dichloroethane-d4
 Concen: 36.601 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	103.0

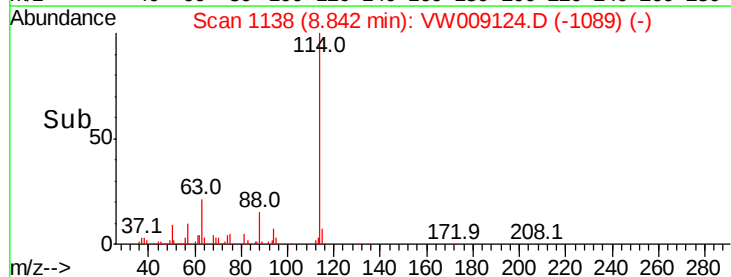
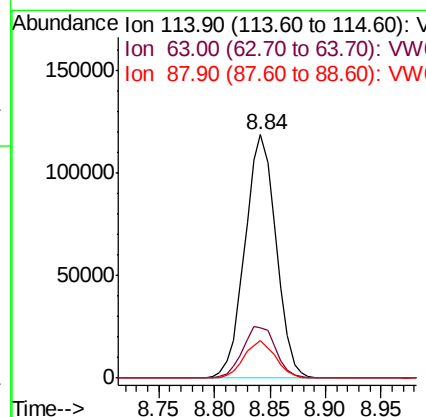
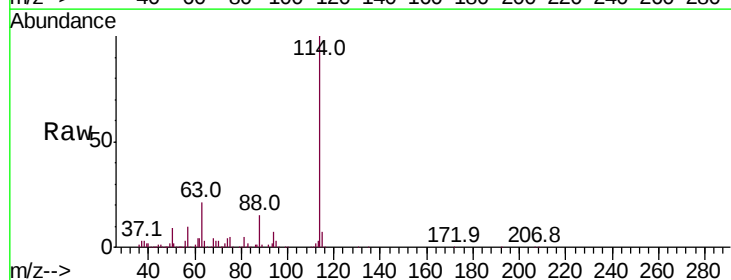
Manual Integrations
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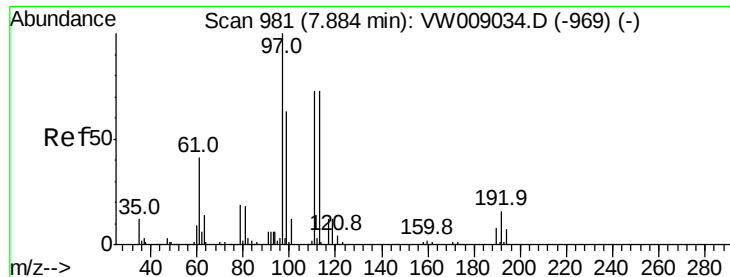
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	41.2
88	15.4	0.0	31.2





#35

Dibromofluoromethane

Concen: 47.627 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

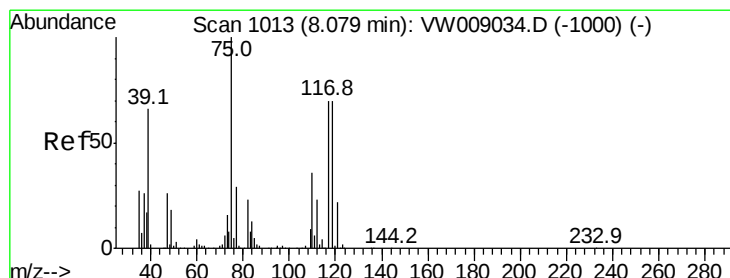
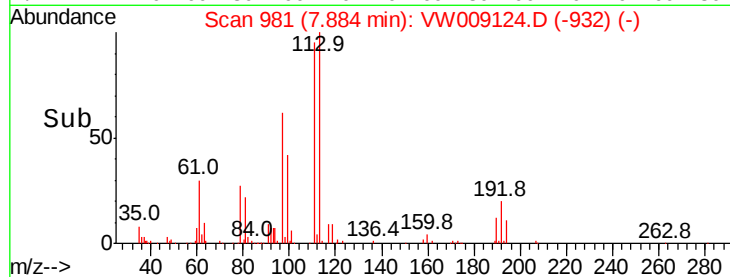
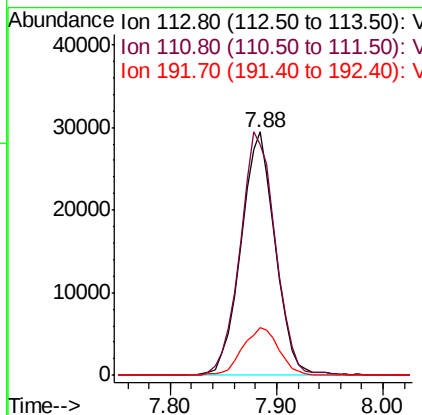
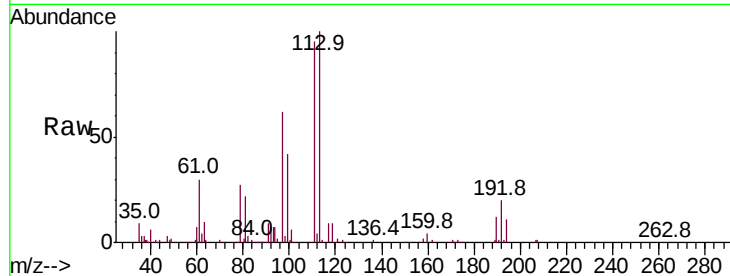
ClientSampleId :

VW0312SBS01

Tot Ion:	113	Resp:	66373
Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.0	121.4
192	20.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 25.286 ug/l

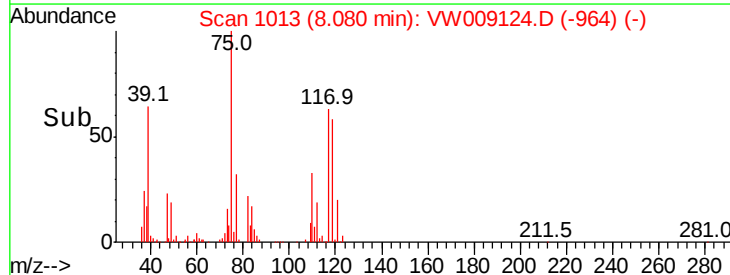
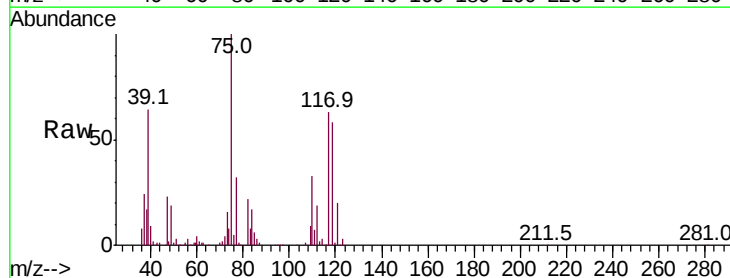
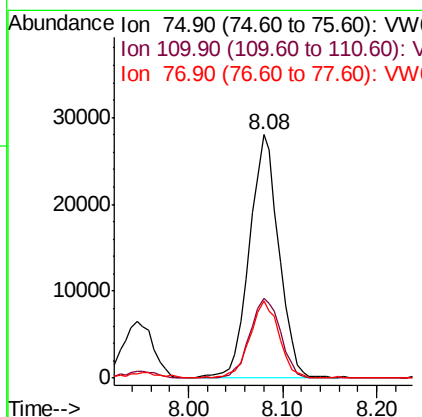
RT: 8.08 min Scan# 1013

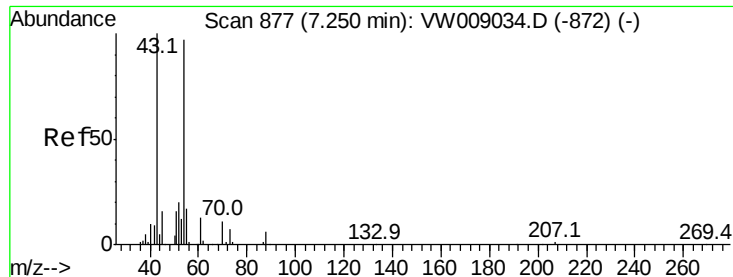
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	75	Resp:	61198
Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.6	52.9
77	31.9	25.1	37.7





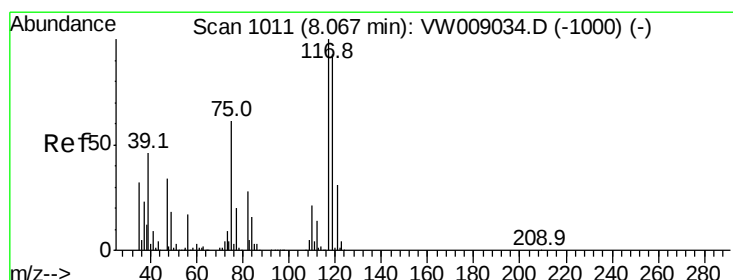
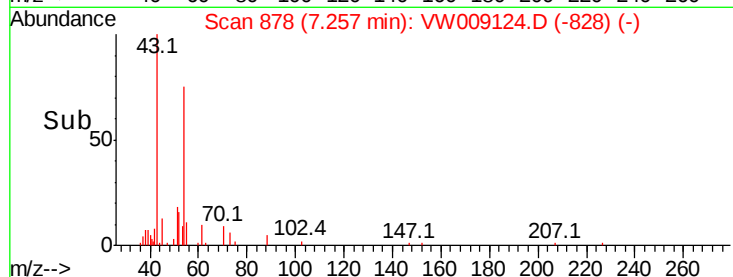
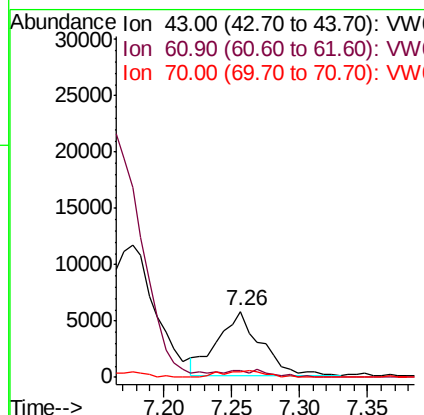
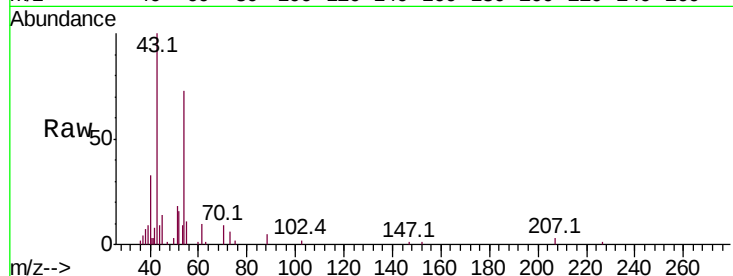
#37
Ethyl Acetate
Concen: 10.951 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.8	14.6#
70	11.3	7.2	10.8#

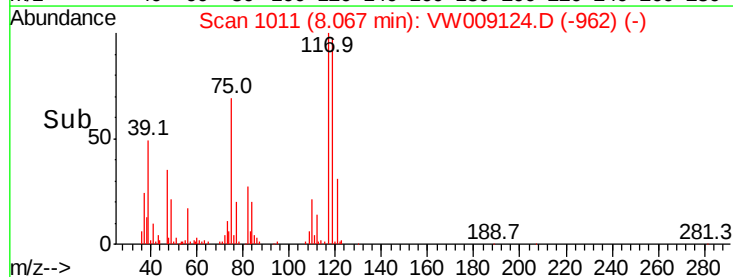
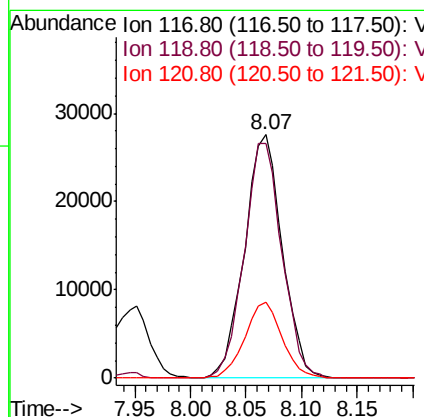
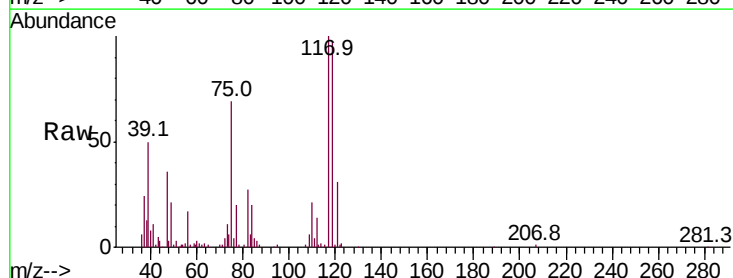
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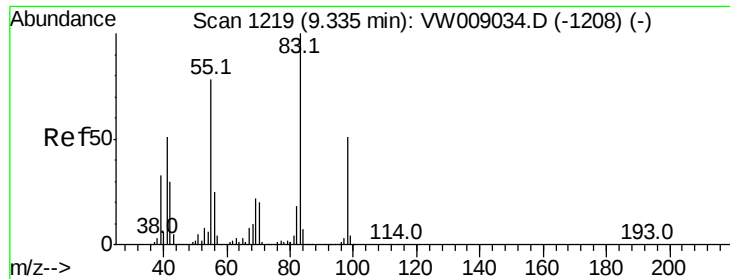
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#38
Carbon Tetrachloride
Concen: 26.070 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	74.6	112.0
121	31.4	24.7	37.1





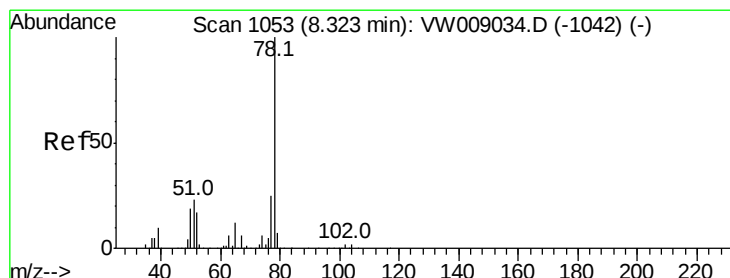
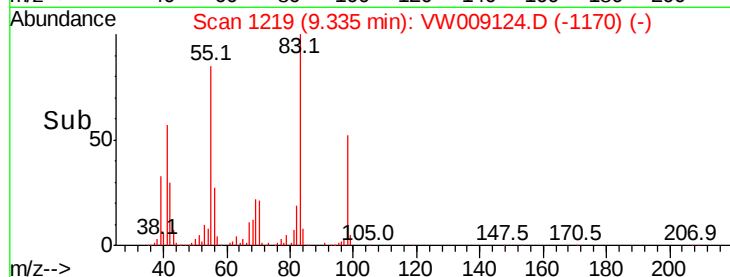
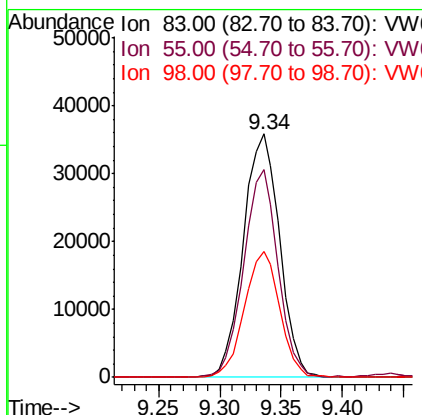
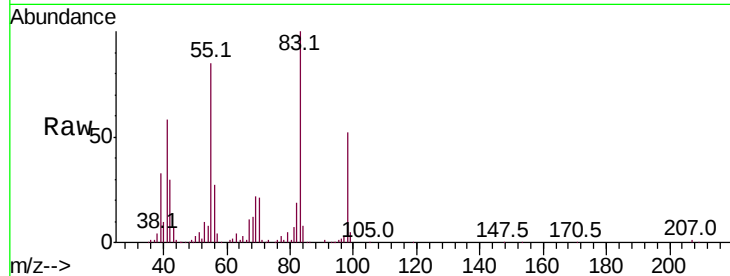
#39
Methvlcvclohexane
Concen: 25.704 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	62.7	94.1
98	51.6	40.8	61.2

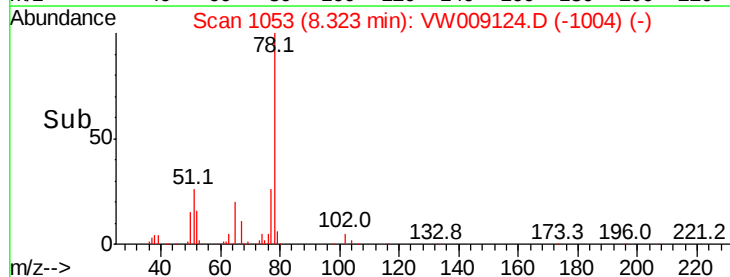
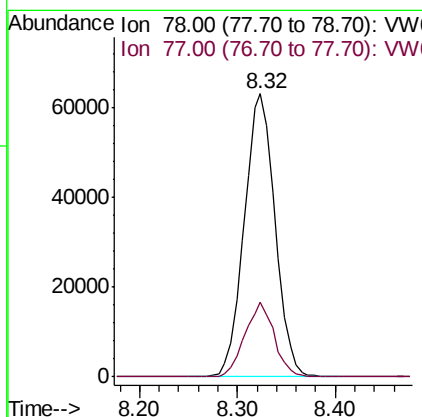
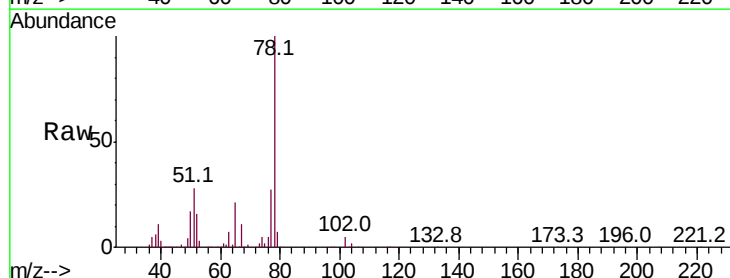
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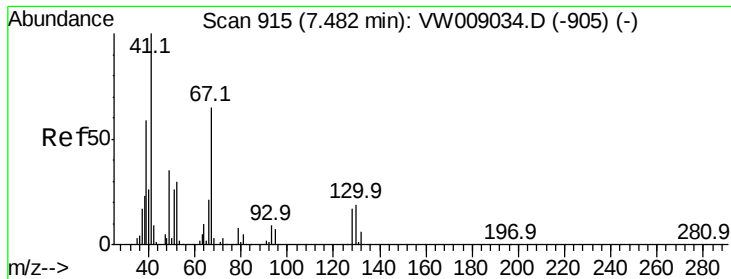
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#40
Benzene
Concen: 21.242 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.5	20.2	30.4





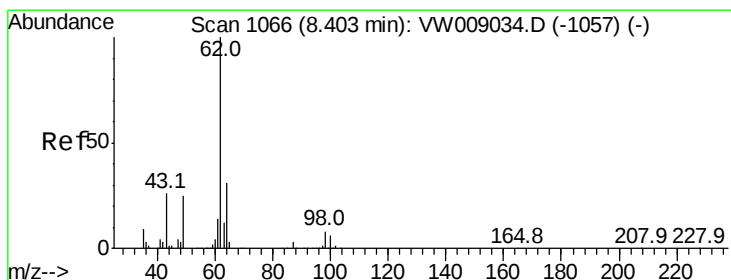
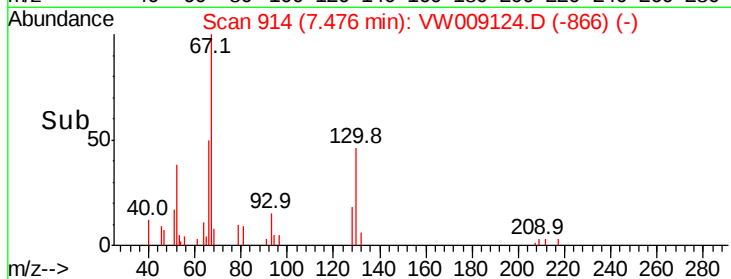
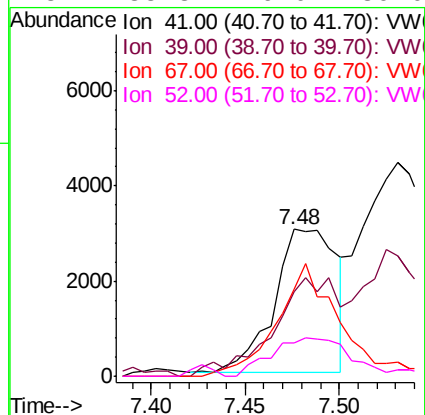
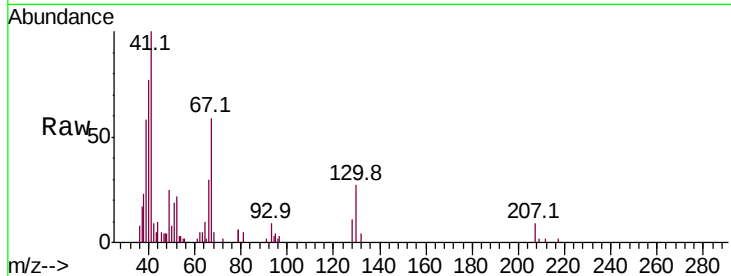
#41
Methacrylonitrile
Concen: 10.954 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.8	53.6	80.4
67	79.3	57.6	86.4
52	35.3	26.0	39.0

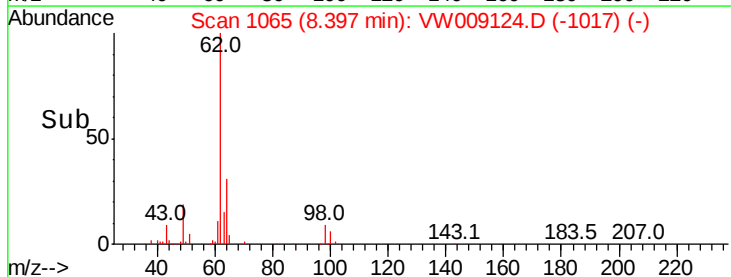
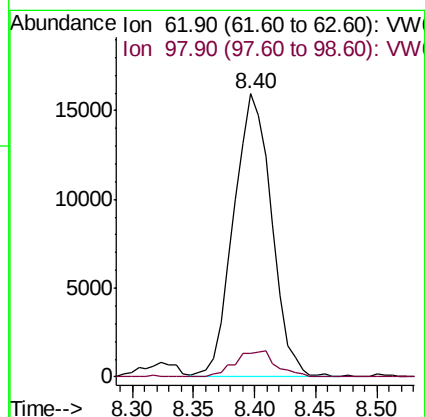
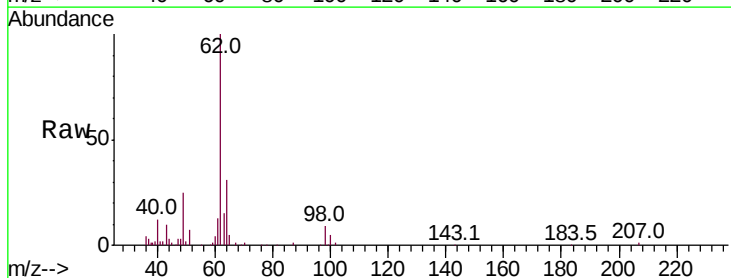
Manual Integrations
APPROVED

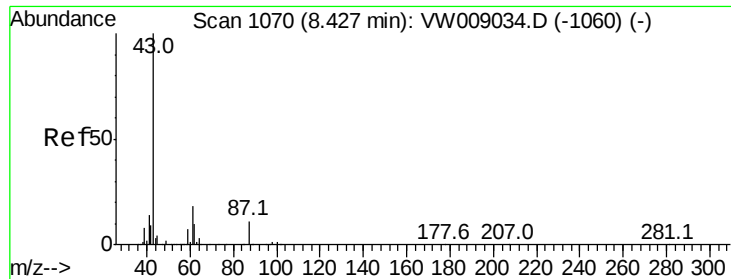
MMDadoda
3/14/2019 3:12:22 PM



#42
1,2-Dichloroethane
Concen: 16.494 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	17.6





#43

Isopropyl Acetate

Concen: 12.488 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

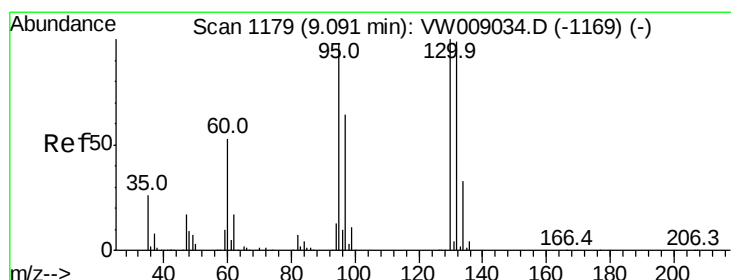
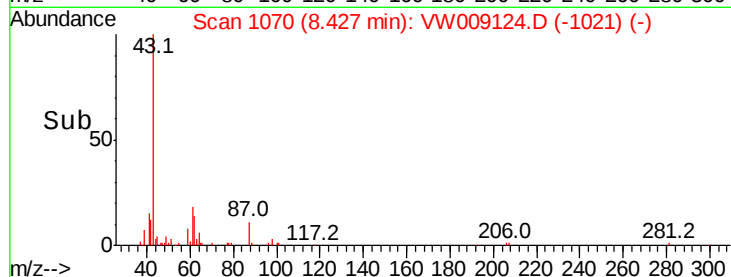
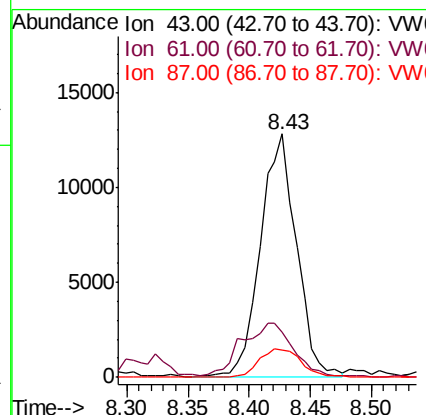
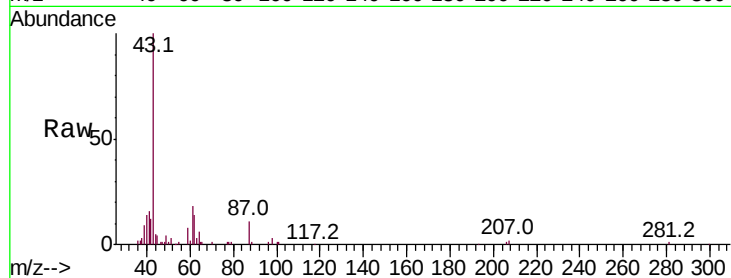
ClientSampleId :

VW0312SBS01

Tot Ion:	43	Resp:	26440
Ion	Ratio	Lower	Upper
43	100		
61	30.7	22.8	34.2
87	13.6	9.4	14.2

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#44

Trichloroethene

Concen: 23.196 ug/l

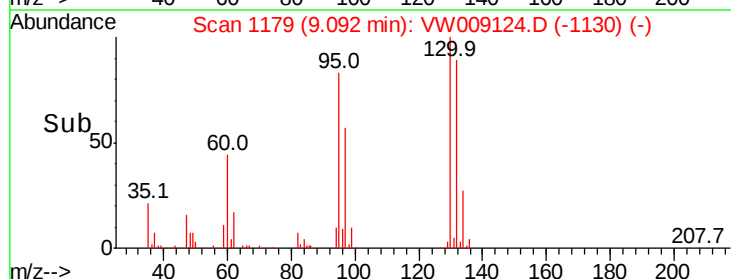
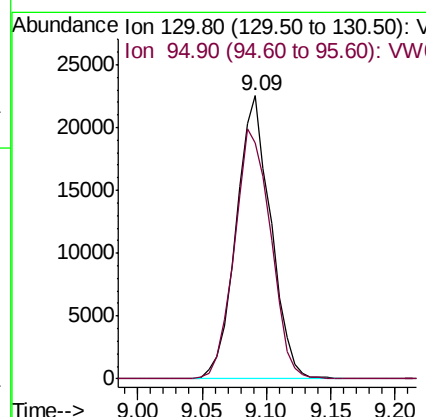
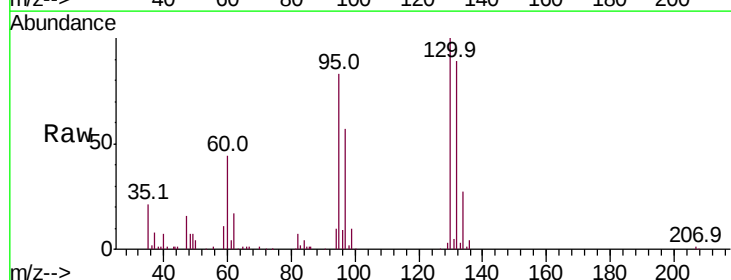
RT: 9.09 min Scan# 1179

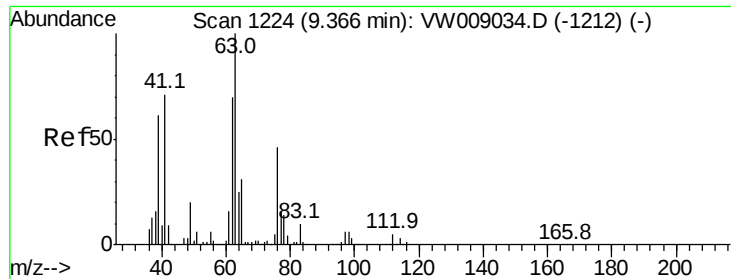
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	130	Resp:	42002
Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	197.0





#45

1,2-Dichloropropane

Concen: 18.790 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 63 Resp: 30404

Ion Ratio Lower Upper

63 100

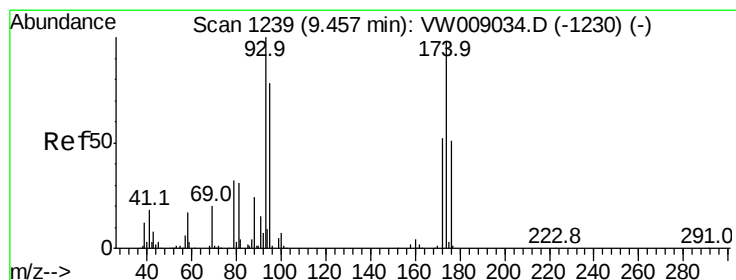
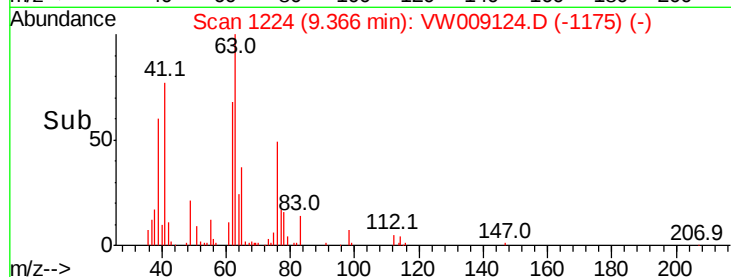
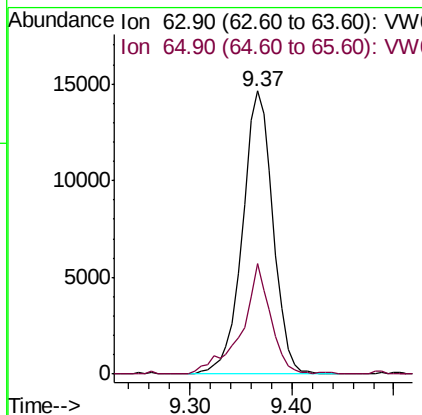
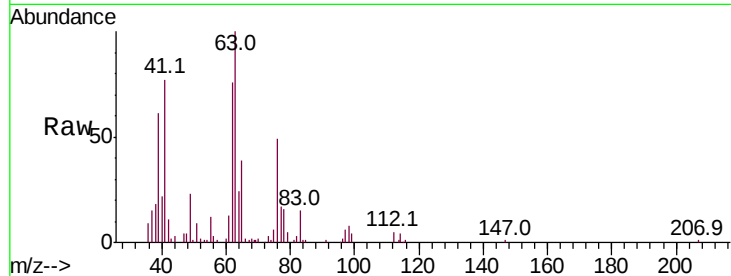
65 39.1 24.9 37.3#

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#46

Dibromomethane

Concen: 15.270 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

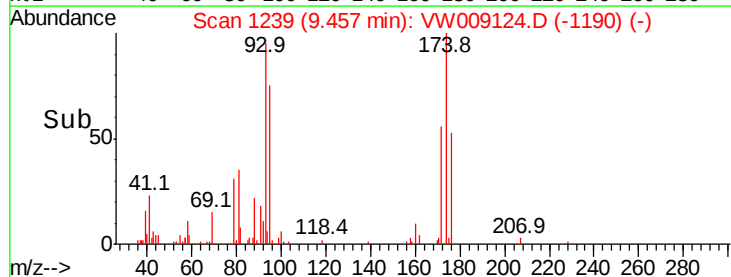
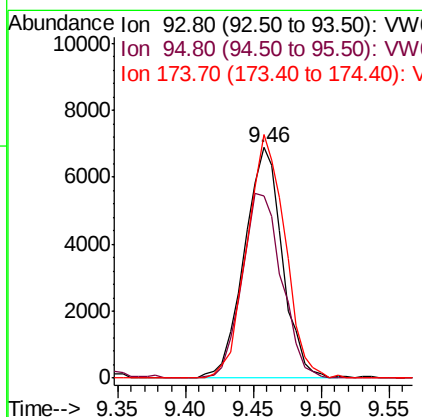
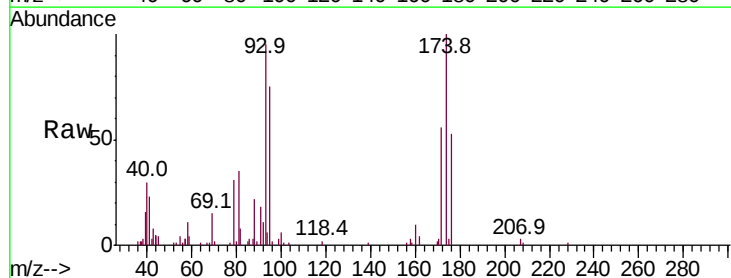
Tgt Ion: 93 Resp: 13494

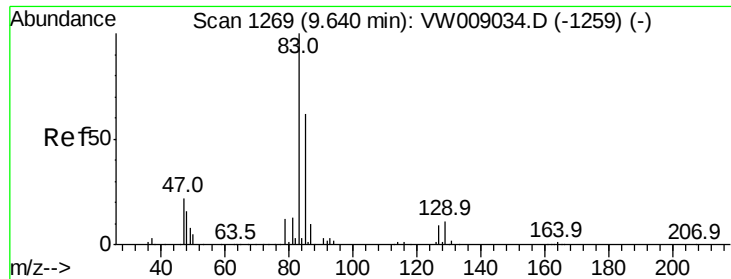
Ion Ratio Lower Upper

93 100

95 83.3 65.0 97.6

174 105.7 81.8 122.6





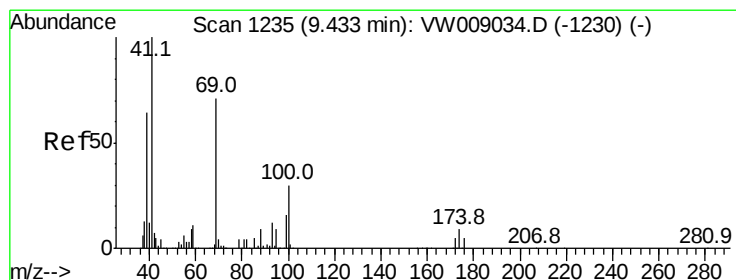
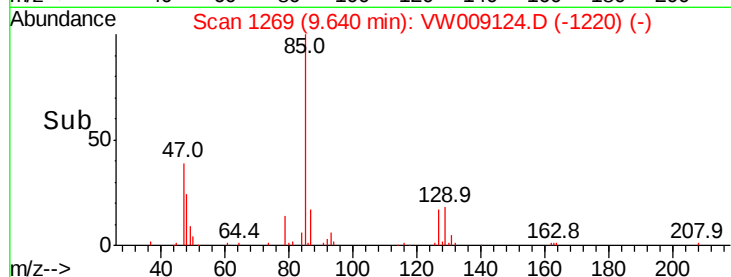
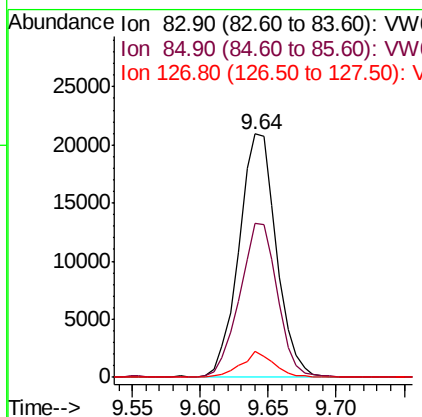
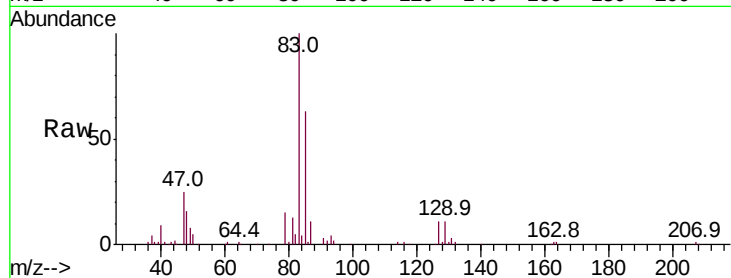
#47
Bromodichloromethane
Concen: 18.006 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.4	49.9	74.9
127	10.7	7.1	10.7

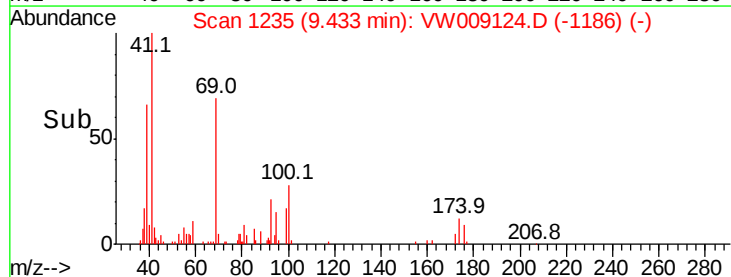
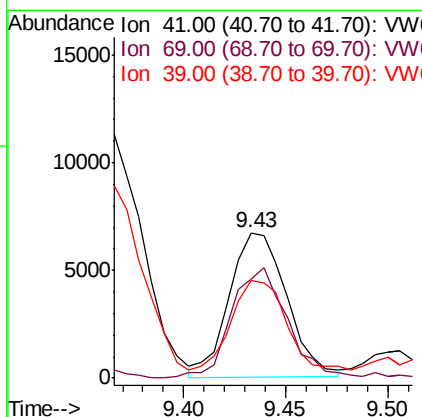
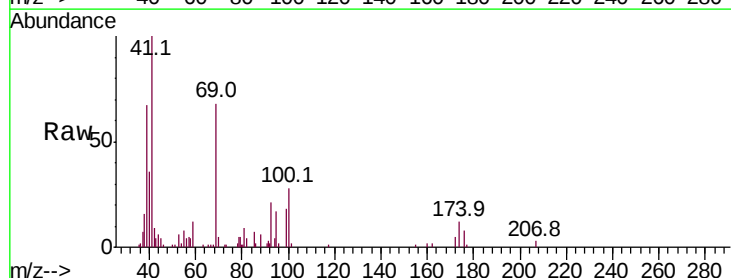
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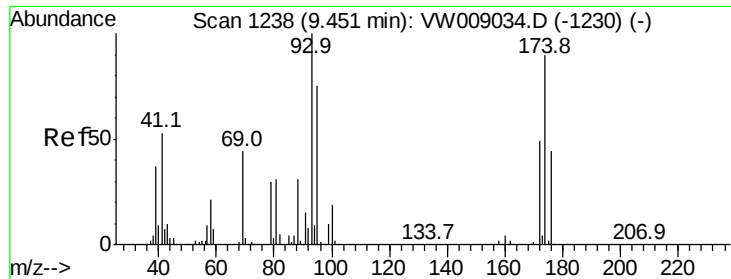
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#48
Methyl methacrylate
Concen: 13.290 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
41	100		
69	73.9	59.1	88.7
39	68.9	48.9	73.3





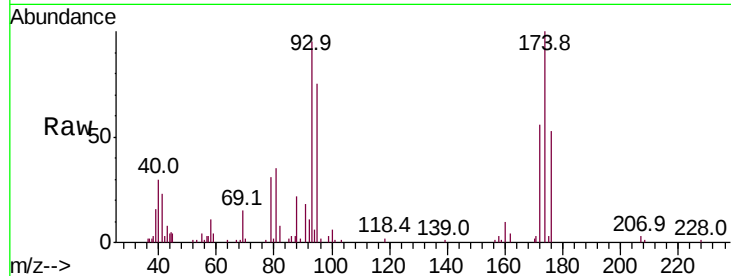
#49
1,4-Dioxane
Concen: 260.697 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

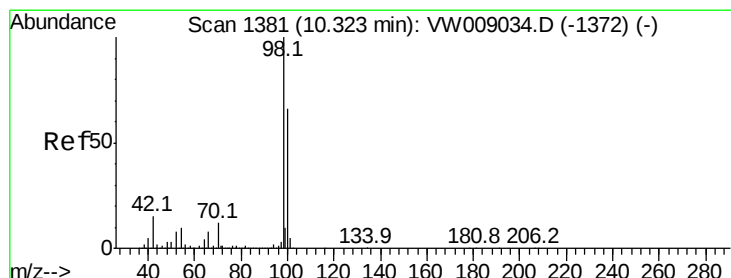
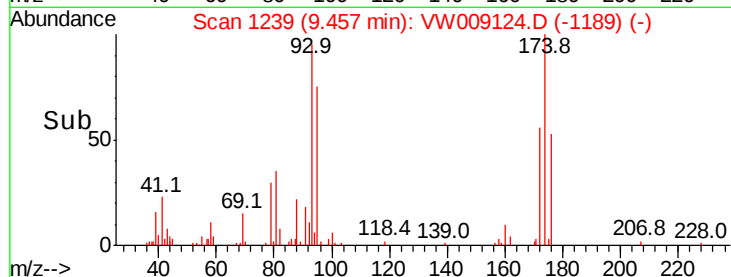
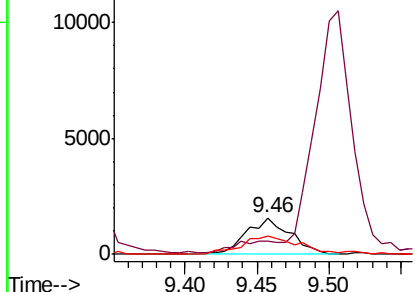
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.0	43.4#
58	65.4	59.2	88.8

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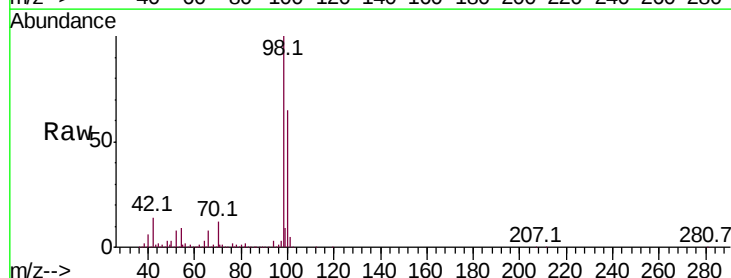


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

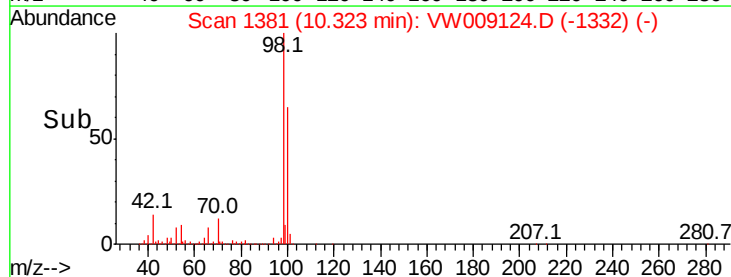
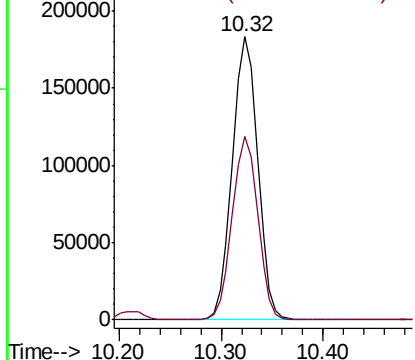


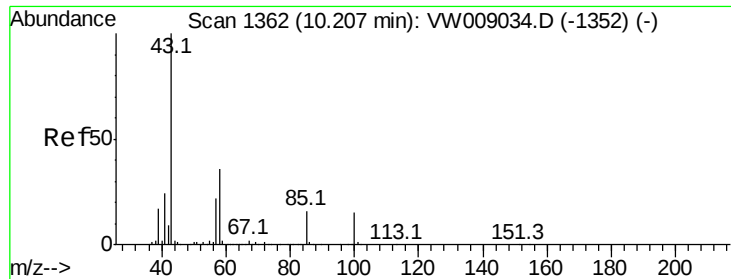
#50
Toluene-d8
Concen: 55.305 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.9	77.9



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 61.467 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 66069

Ion Ratio Lower Upper

43 100

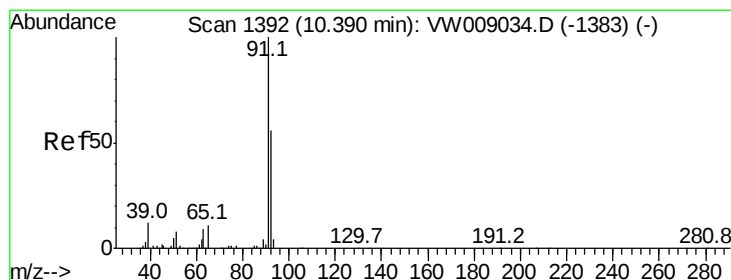
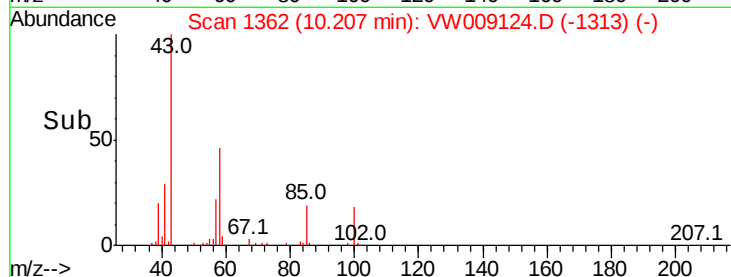
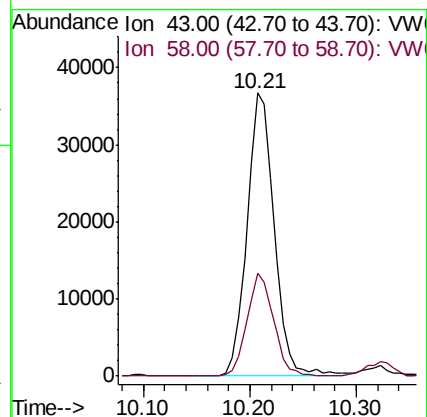
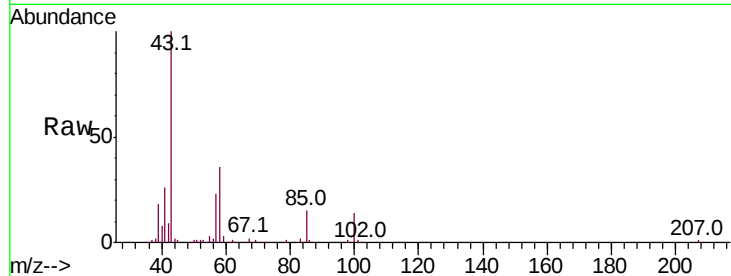
58 35.6 28.8 43.2

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#52

Toluene

Concen: 22.212 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW009124.D

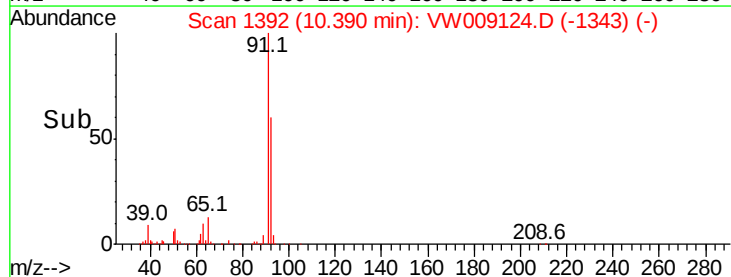
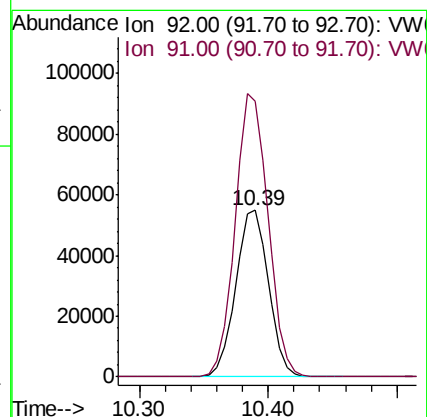
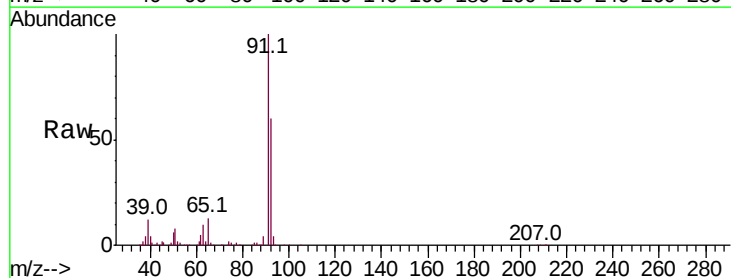
Acq: 12 Mar 2019 15:20

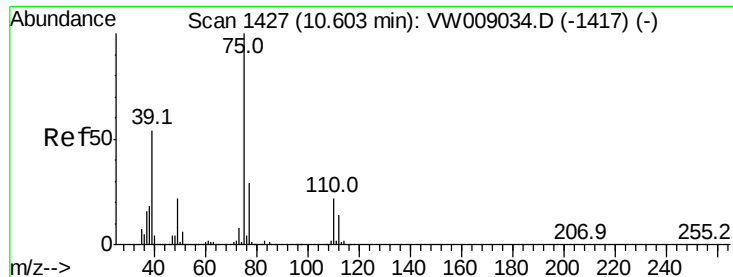
Tgt Ion: 92 Resp: 97321

Ion Ratio Lower Upper

92 100

91 171.0 139.9 209.9





#53

t-1,3-Dichloropropene

Concen: 14.883 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 75 Resp: 32929

Ion Ratio Lower Upper

75 100

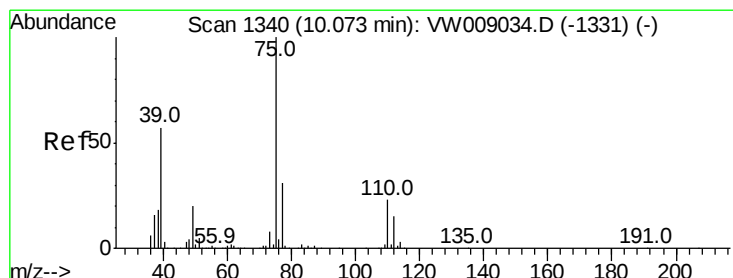
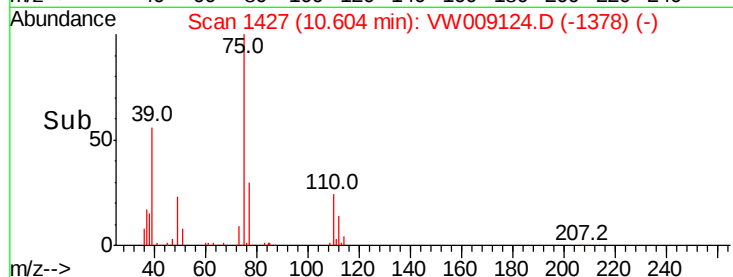
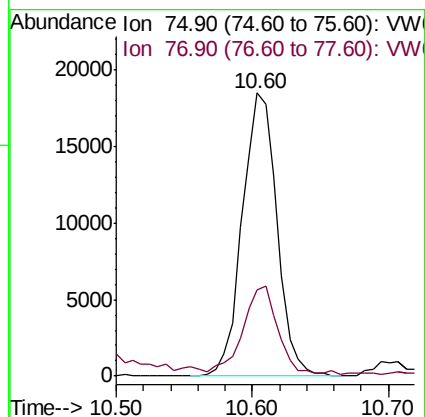
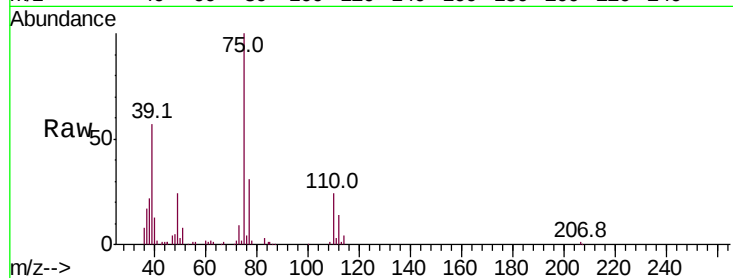
77 30.1 23.6 35.4

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.268 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

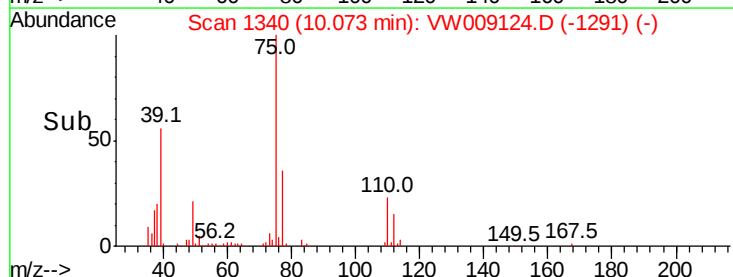
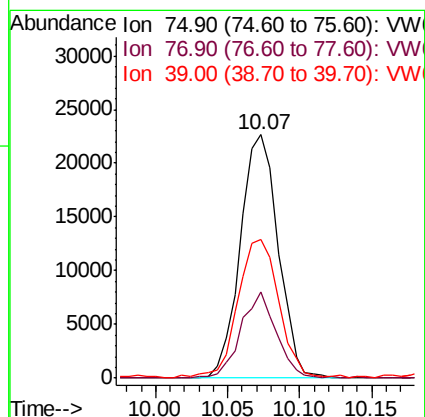
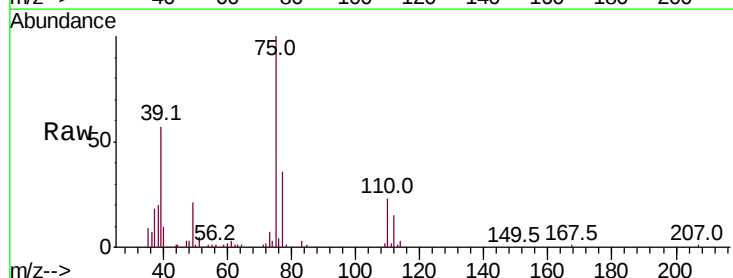
Tgt Ion: 75 Resp: 41361

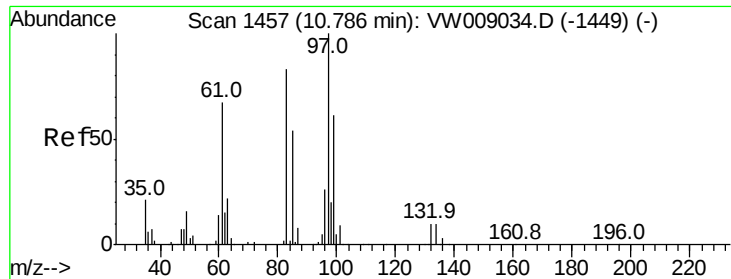
Ion Ratio Lower Upper

75 100

77 35.5 24.6 36.8

39 56.5 45.9 68.9





#55

1,1,2-Trichloroethane

Concen: 15.423 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

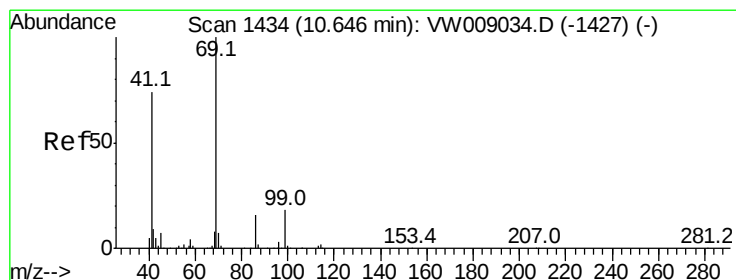
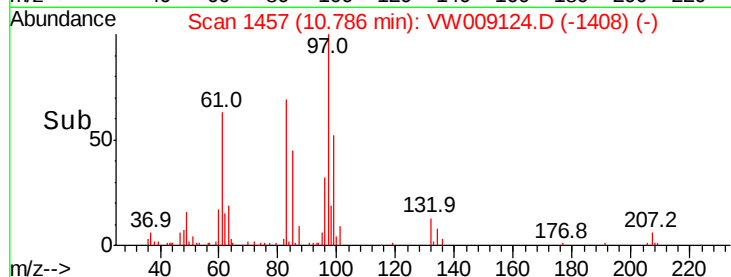
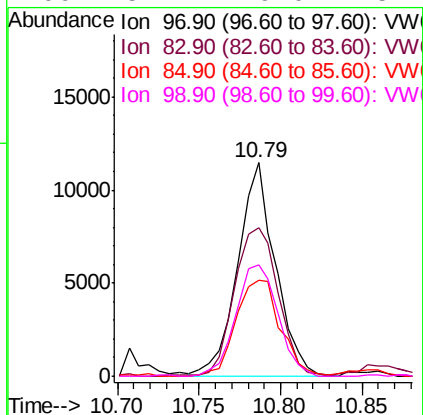
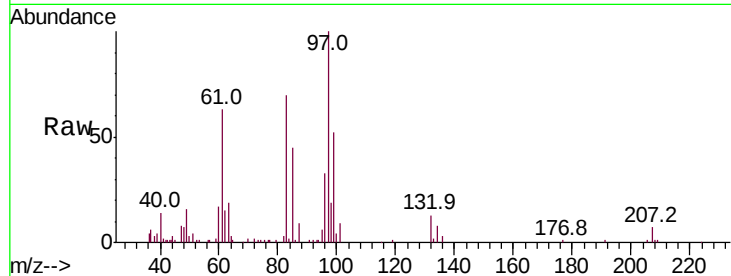
ClientSampleId :

VW0312SBSD01

Tot Ion	97	Resp	18473
Ion Ratio	Lower	Upper	
97	100		
83	68.9	66.2	99.2
85	45.0	43.6	65.4
99	52.1	49.0	73.4

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#56

Ethyl methacrylate

Concen: 12.638 ug/l

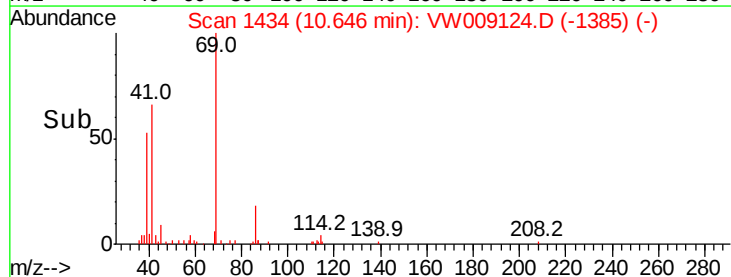
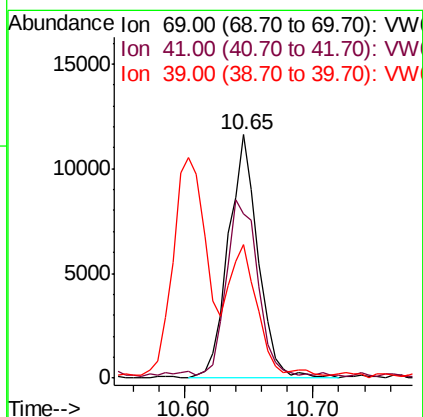
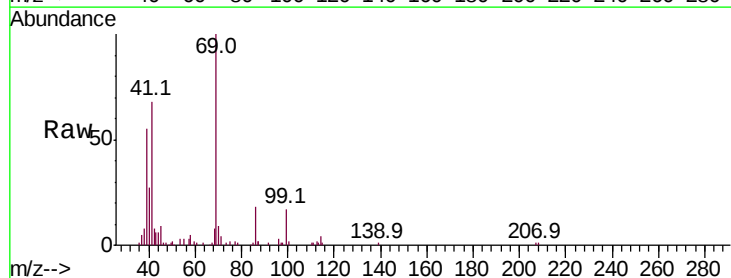
RT: 10.65 min Scan# 1434

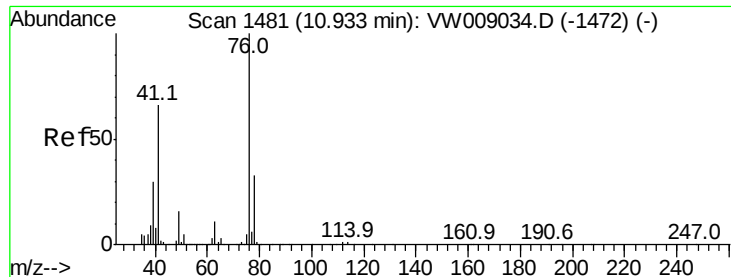
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion	69	Resp	18787
Ion Ratio	Lower	Upper	
69	100		
41	79.4	59.4	89.2
39	50.5	38.5	57.7





#57

1,3-Dichloropropane

Concen: 14.797 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 76 Resp: 31396

Ion Ratio Lower Upper

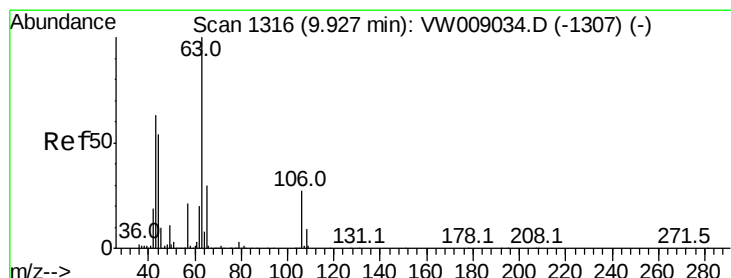
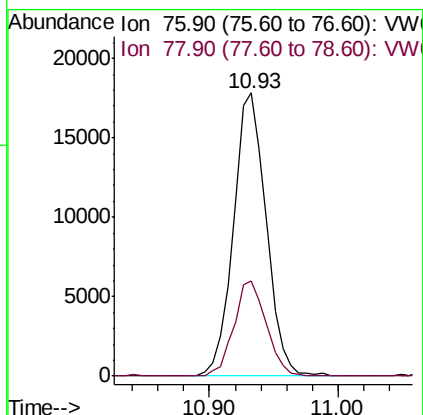
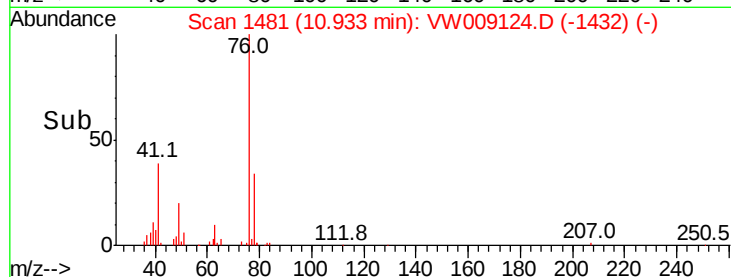
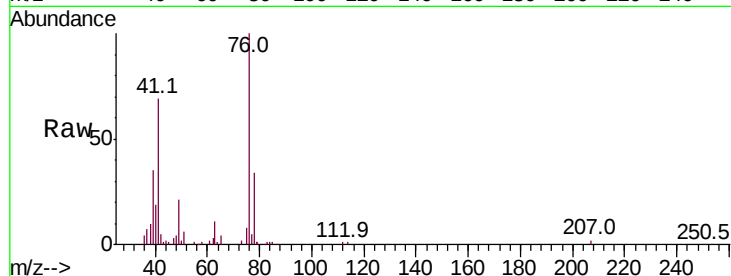
76 100

78 33.1 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 60.072 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VW009124.D

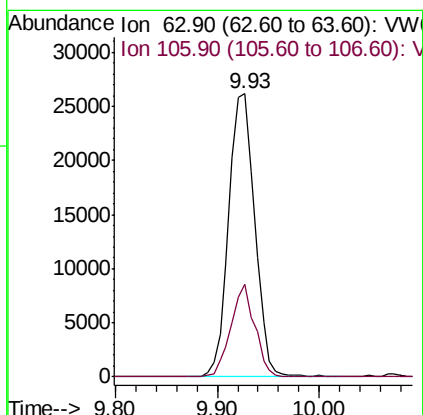
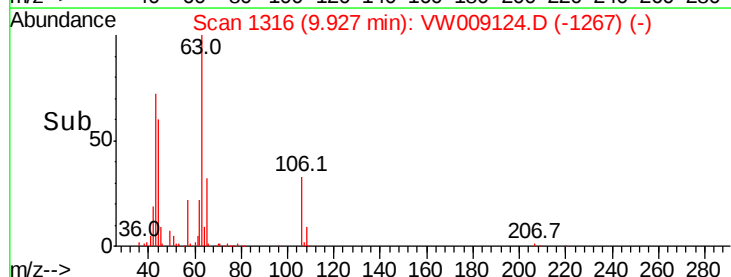
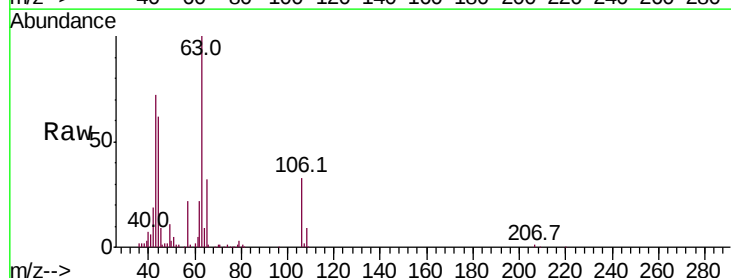
Acq: 12 Mar 2019 15:20

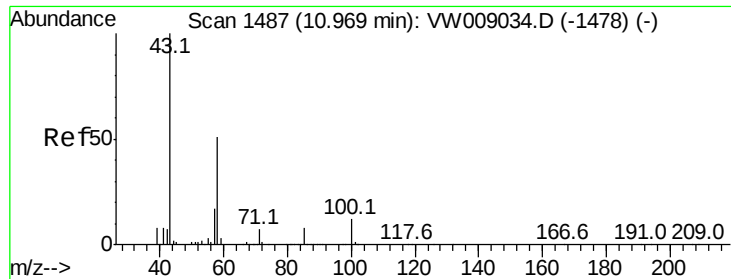
Tgt Ion: 63 Resp: 46293

Ion Ratio Lower Upper

63 100

106 29.8 23.0 34.6





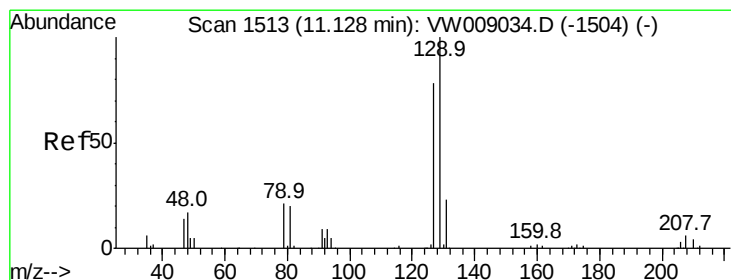
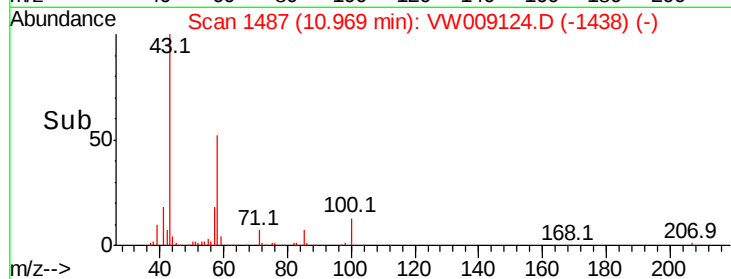
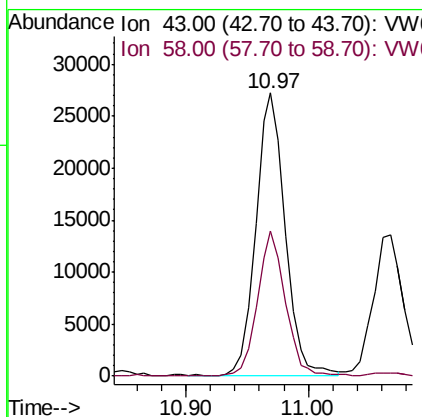
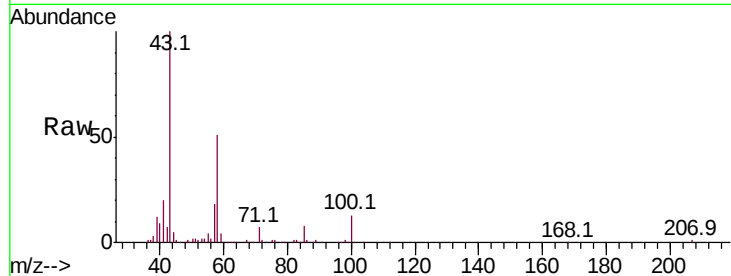
#59
2-Hexanone
Concen: 60.434 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion: 43 Resp: 45671
Ion Ratio Lower Upper
43 100
58 48.7 25.3 75.9

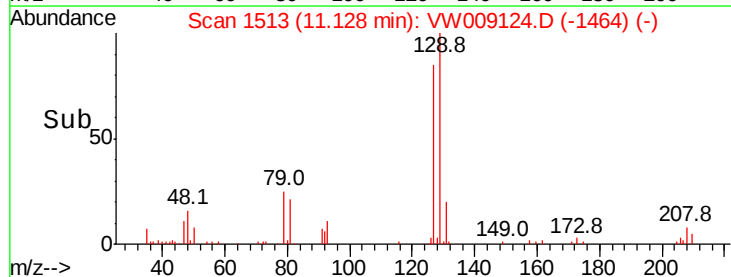
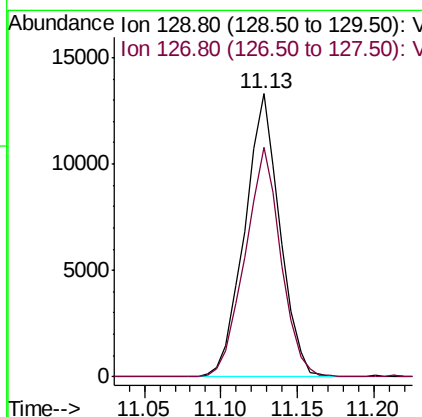
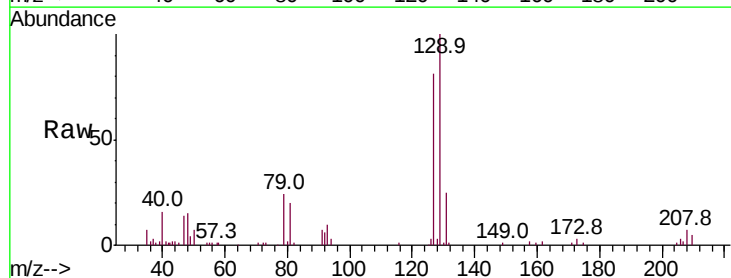
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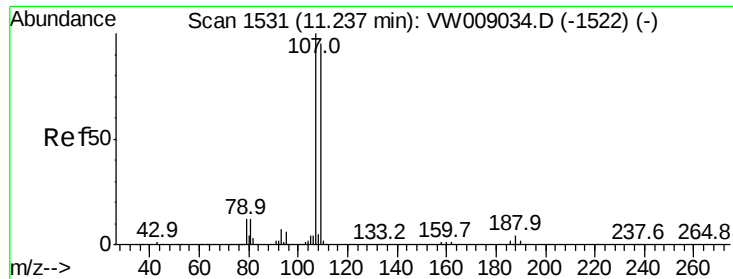
MMDadoda
3/14/2019 3:12:22 PM



#60
Dibromochloromethane
Concen: 14.287 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion: 129 Resp: 21178
Ion Ratio Lower Upper
129 100
127 82.6 38.4 115.1





#61

1,2-Dibromoethane

Concen: 14.090 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:107 Resp: 16544

Ion Ratio Lower Upper

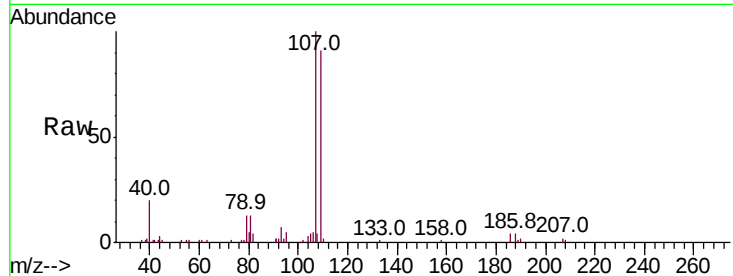
107 100

109 96.2 74.7 112.1

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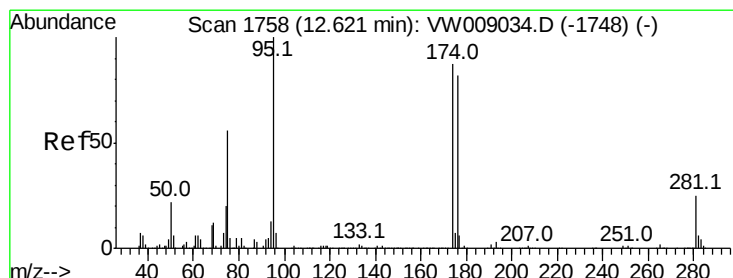
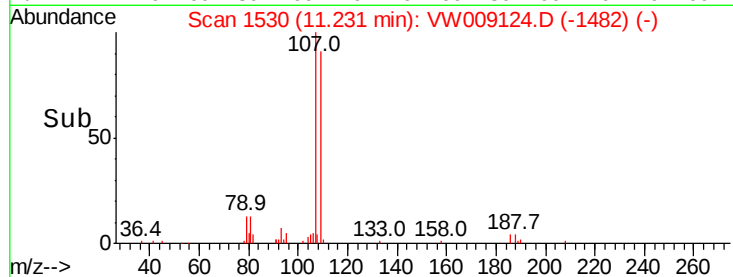
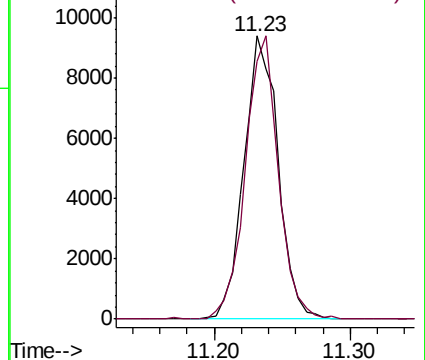
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.317 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

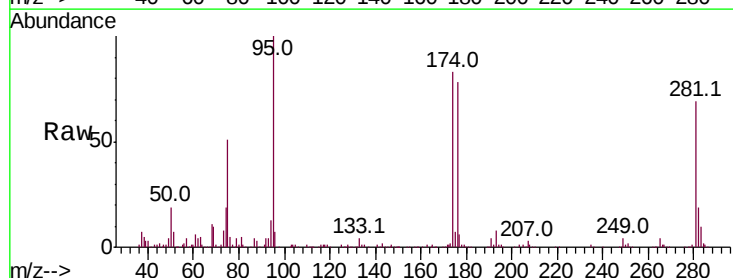
Tgt Ion: 95 Resp: 99857

Ion Ratio Lower Upper

95 100

174 83.7 0.0 167.0

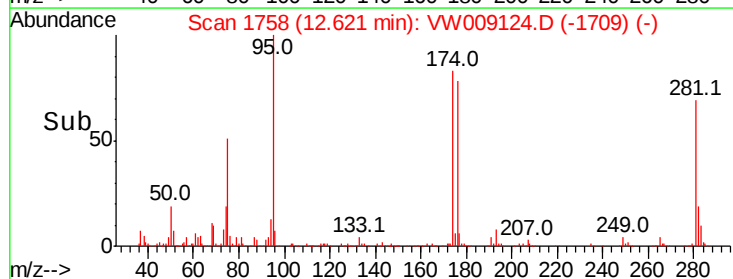
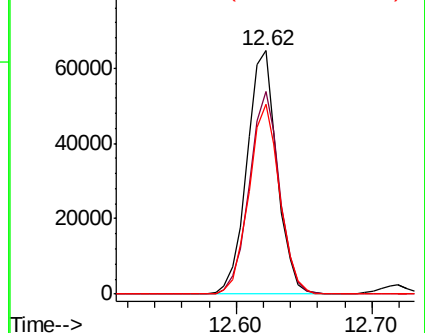
176 79.8 0.0 159.4

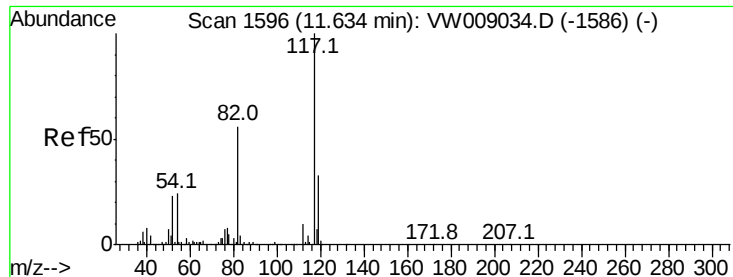


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





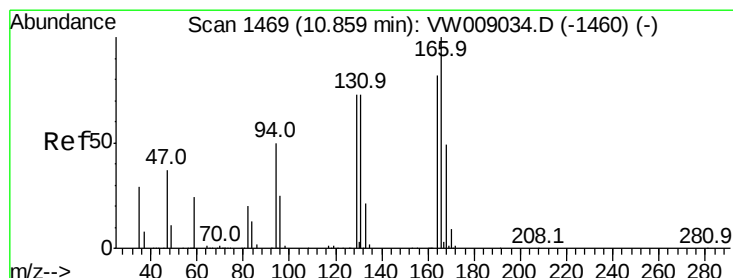
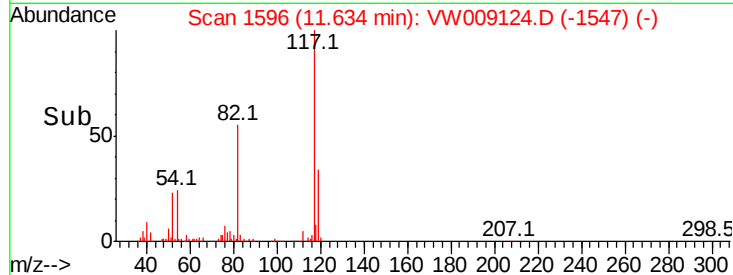
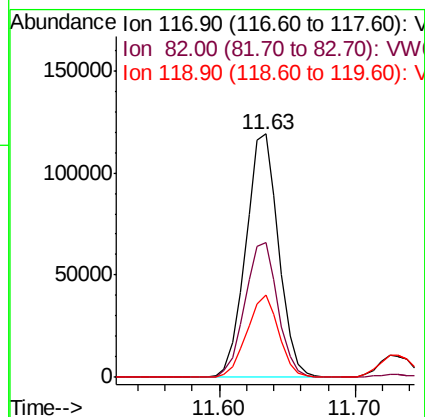
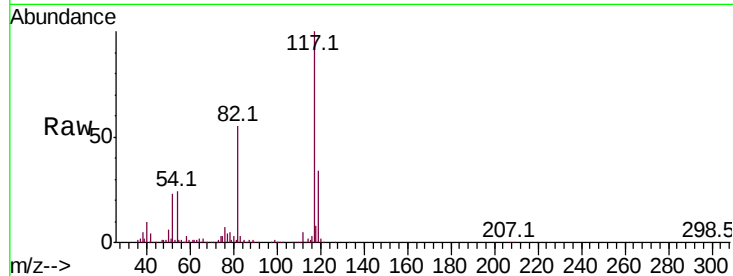
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	199996		
82	55.2	45.0	67.6	
119	33.6	26.6	39.8	

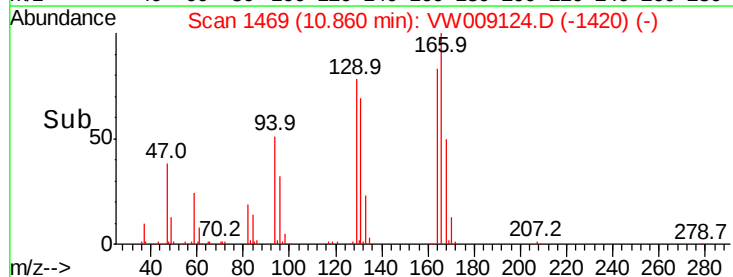
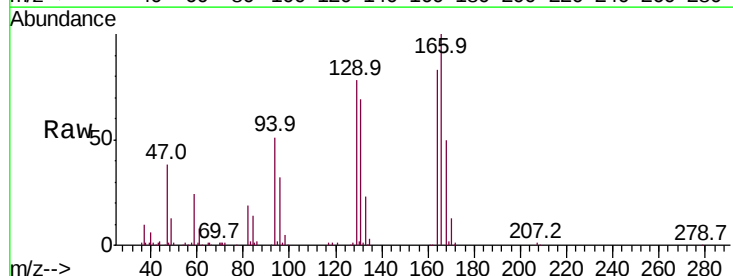
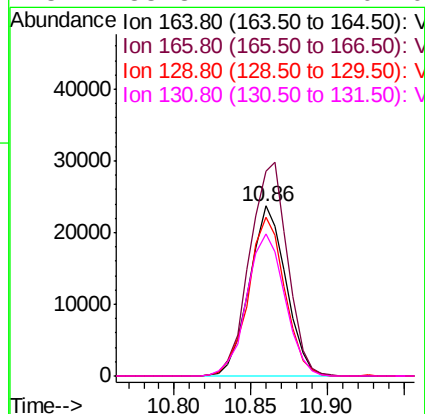
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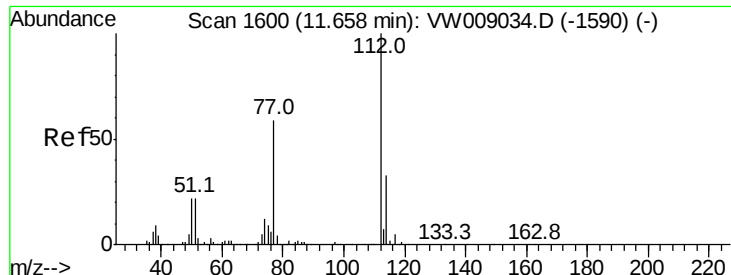
MMDadoda
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#64
Tetrachloroethene
Concen: 27.443 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	39581		
166	120.2	97.8	146.6	
129	93.4	71.6	107.4	
131	83.3	71.4	107.0	





#65

Chlorobenzene

Concen: 21.773 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:112 Resp: 94782

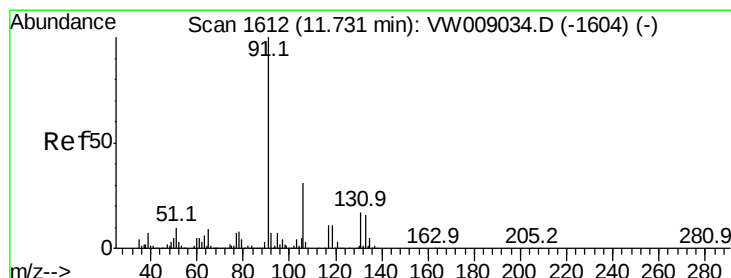
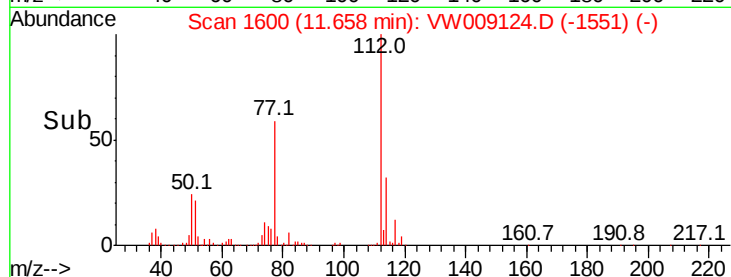
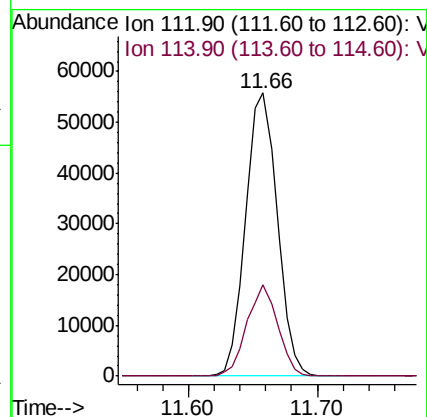
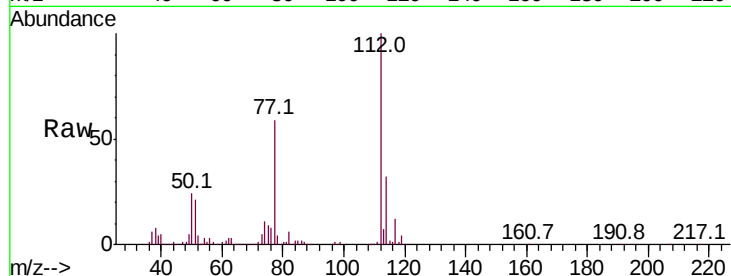
Ion Ratio Lower Upper

112 100

114 32.2 26.6 40.0

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.592 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

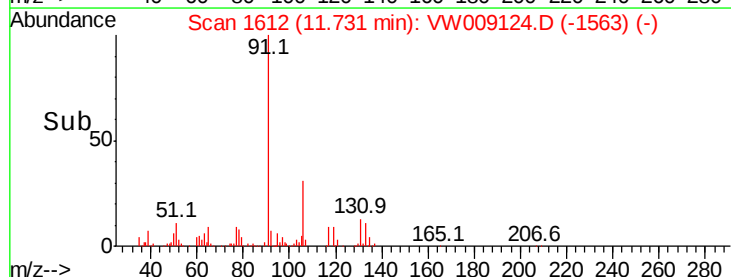
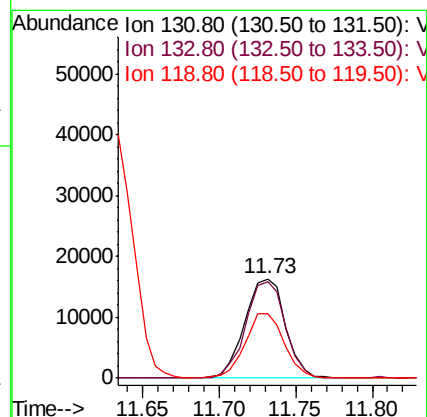
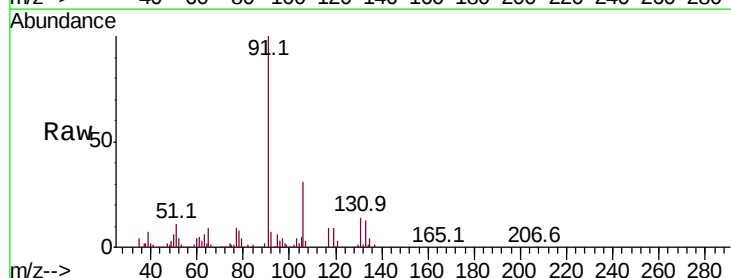
Tgt Ion:131 Resp: 29931

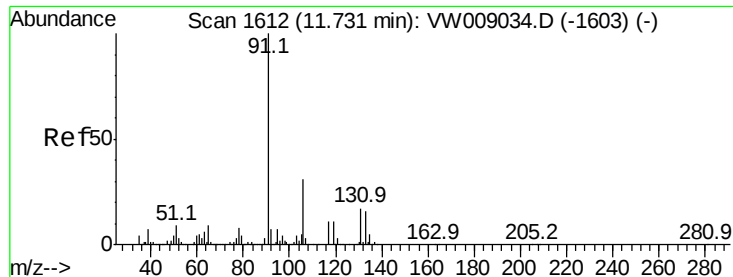
Ion Ratio Lower Upper

131 100

133 95.5 47.6 142.8

119 63.5 31.3 93.8





#67

Ethyl Benzene

Concen: 23.877 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 91 Resp: 187775

Ion Ratio Lower Upper

91 100

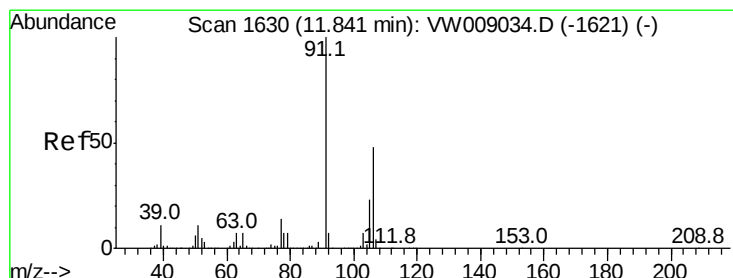
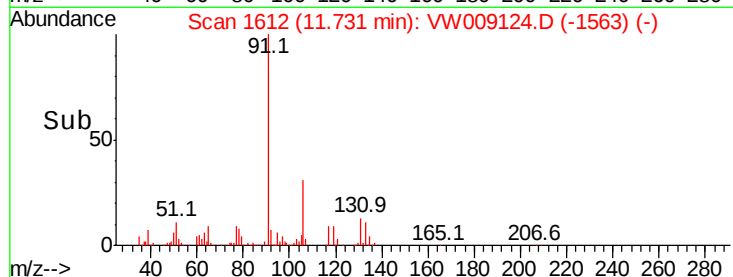
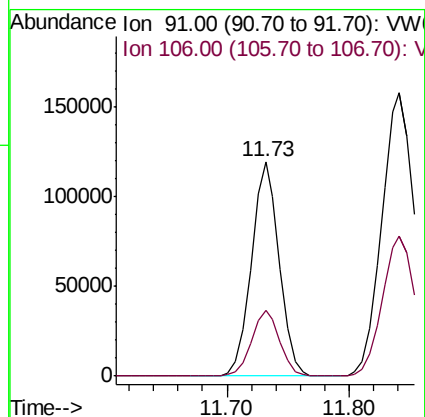
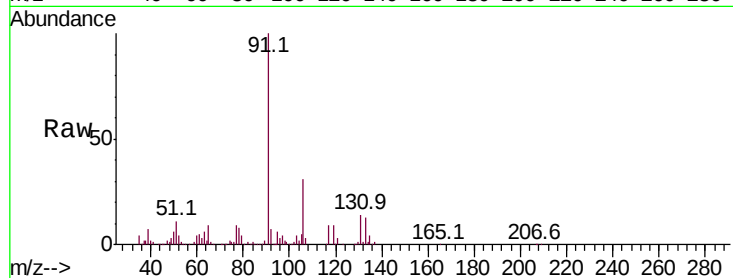
106 30.6 25.0 37.4

Manual Integrations

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#68

m/p-Xylenes

Concen: 46.651 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009124.D

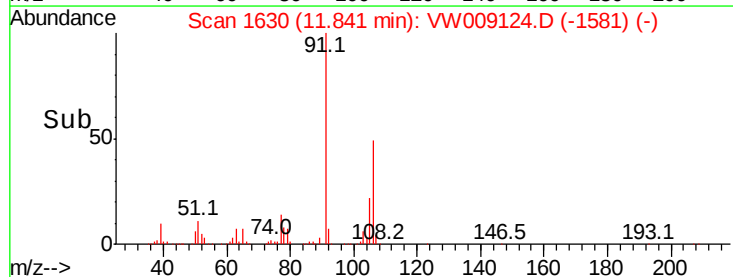
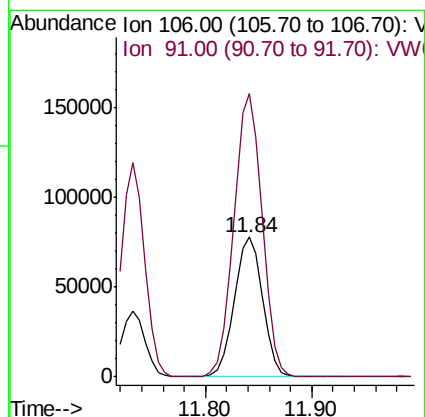
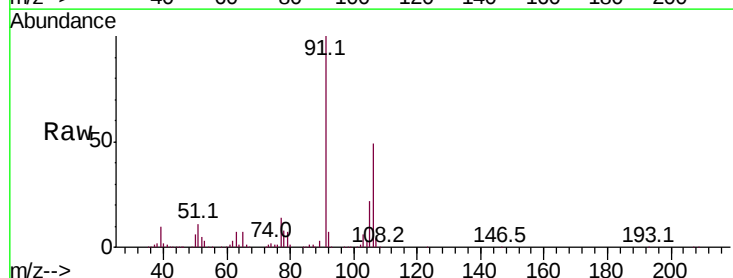
Acq: 12 Mar 2019 15:20

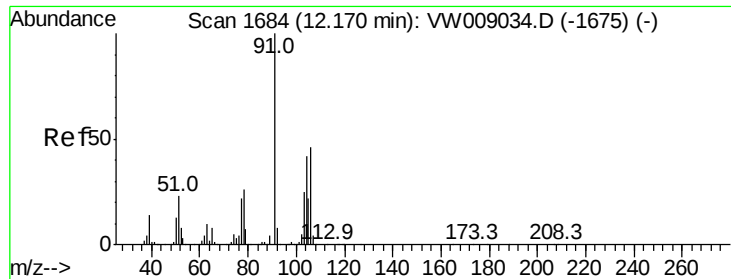
Tgt Ion: 106 Resp: 144811

Ion Ratio Lower Upper

106 100

91 202.2 163.2 244.8





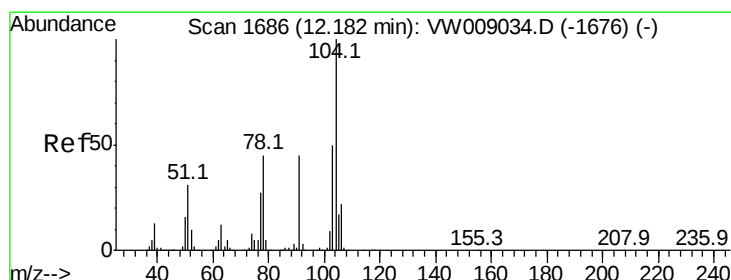
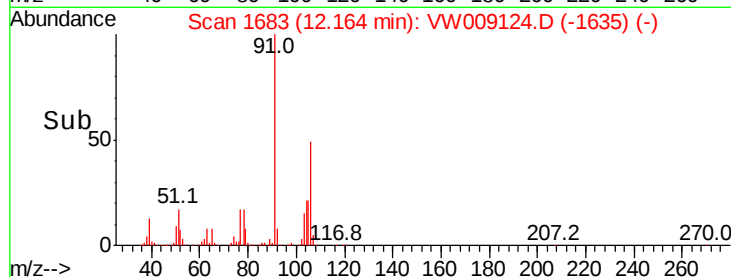
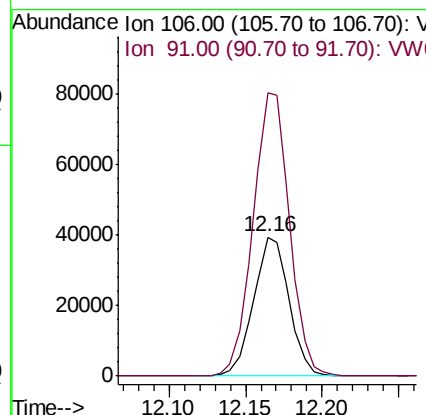
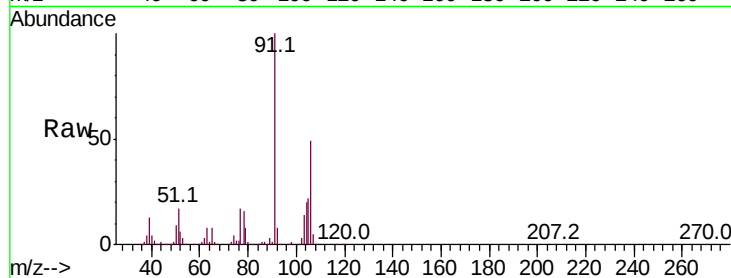
#69
o-Xylene
Concen: 22.027 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion:106 Resp: 63620
Ion Ratio Lower Upper
106 100
91 209.2 108.6 325.6

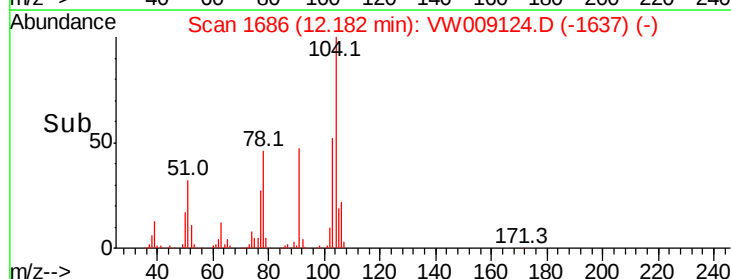
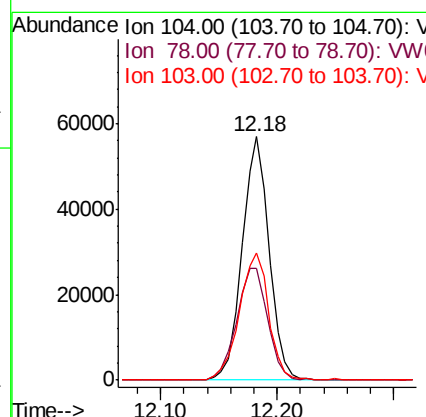
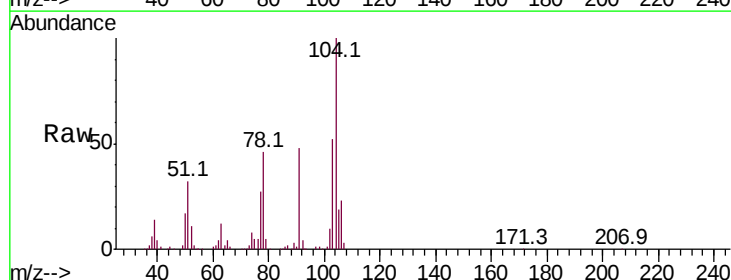
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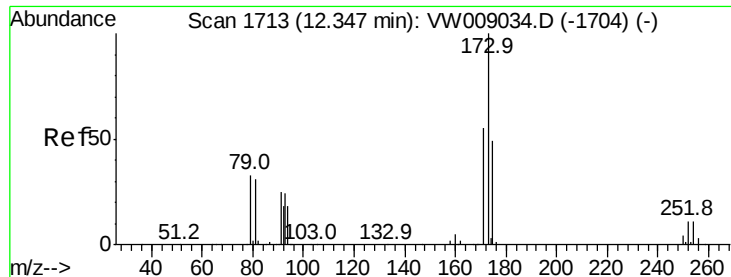
MMDadoda
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#70
Styrene
Concen: 19.659 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:104 Resp: 91868
Ion Ratio Lower Upper
104 100
78 52.9 42.1 63.1
103 56.9 43.9 65.9





#71

Bromoform

Concen: 15.686 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:173 Resp: 12242

Ion Ratio Lower Upper

173 100

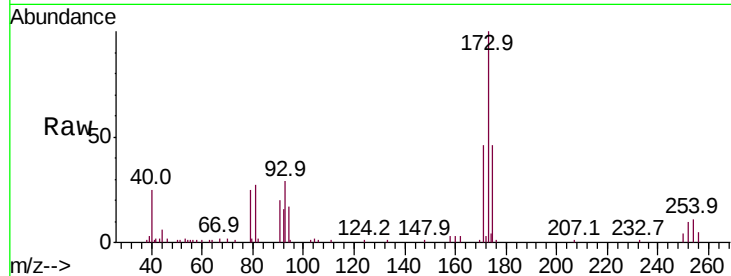
175 47.0 24.6 74.0

254 0.0 0.0 0.0

Manual Integrations
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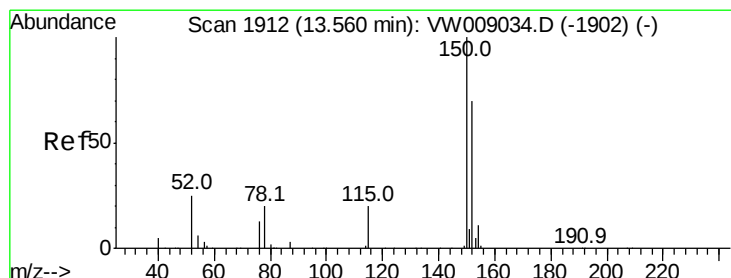
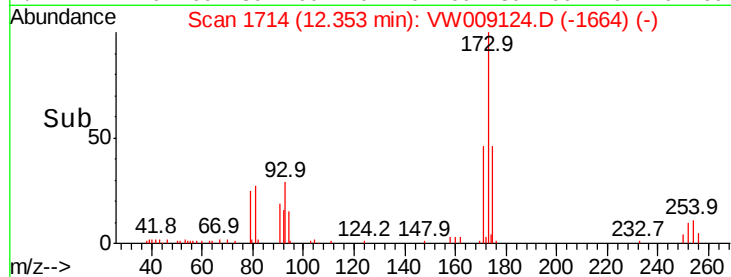
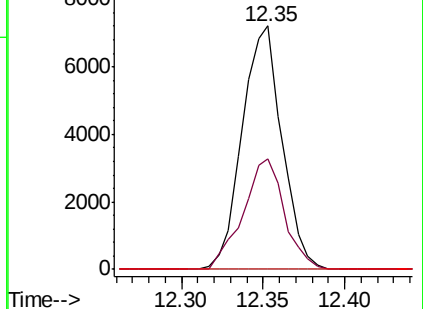
3/14/2019 3:12:22 PM



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: VW009124.D

Acq: 12 Mar 2019 15:20

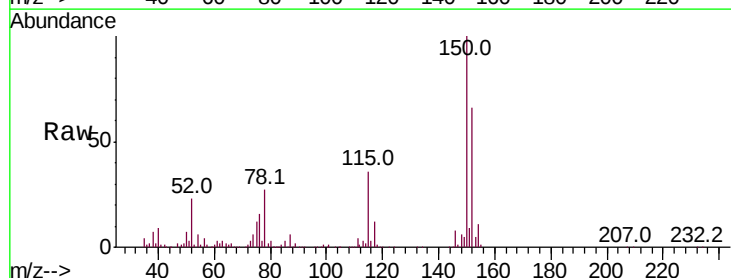
Tgt Ion:152 Resp: 98073

Ion Ratio Lower Upper

152 100

115 57.3 28.9 86.7

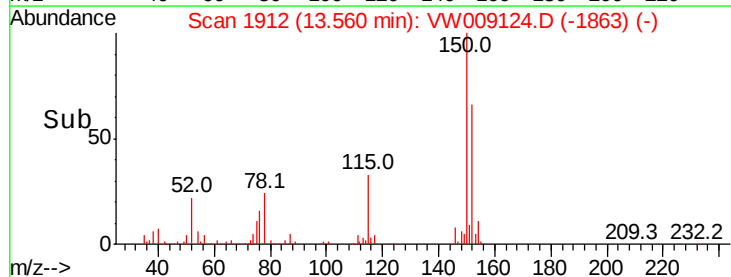
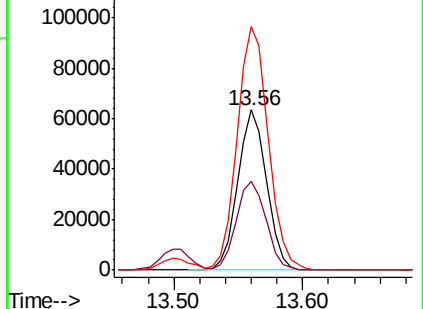
150 163.3 0.0 349.2

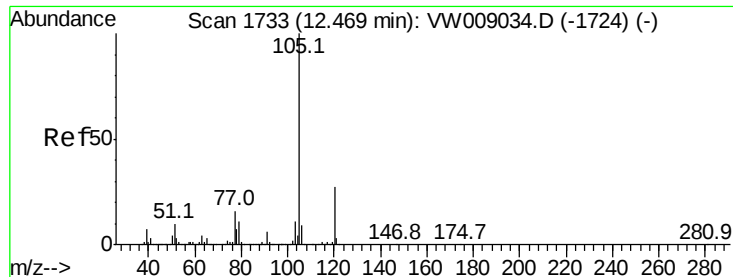


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 27.425 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:105 Resp: 192611

Ion Ratio Lower Upper

105 100

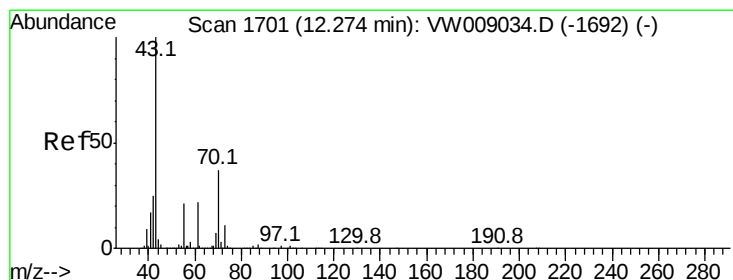
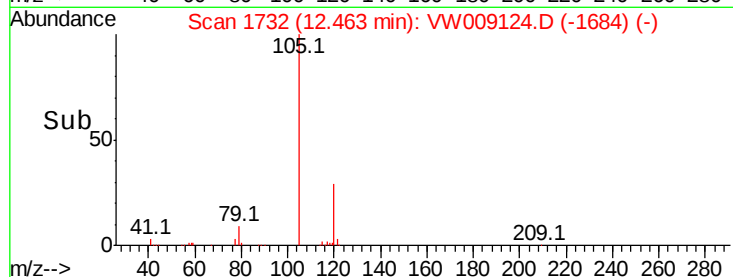
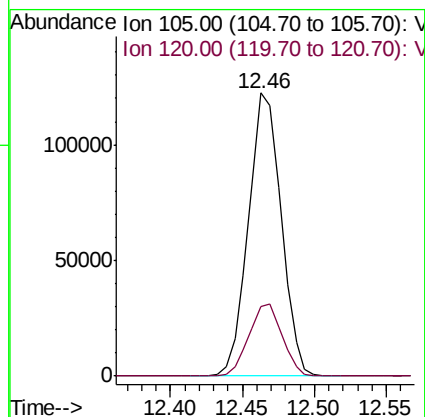
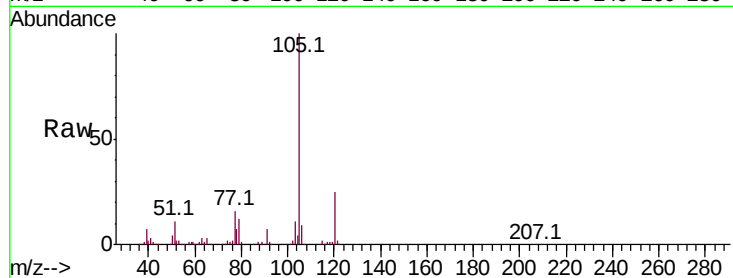
120 25.8 13.2 39.6

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#74

N-ethyl acetate

Concen: 14.459 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion: 43 Resp: 24040

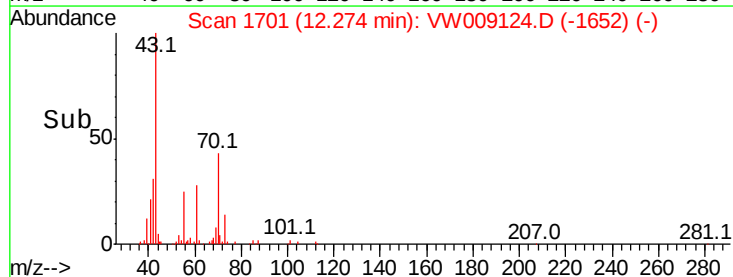
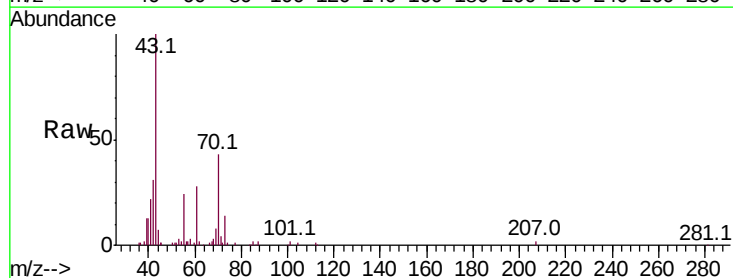
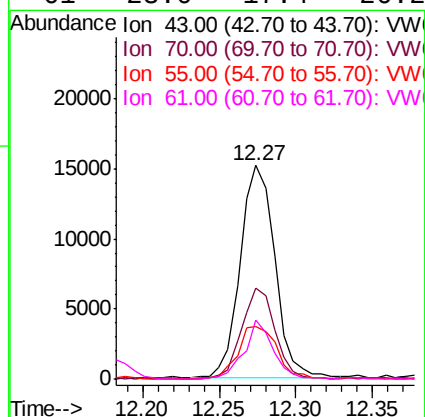
Ion Ratio Lower Upper

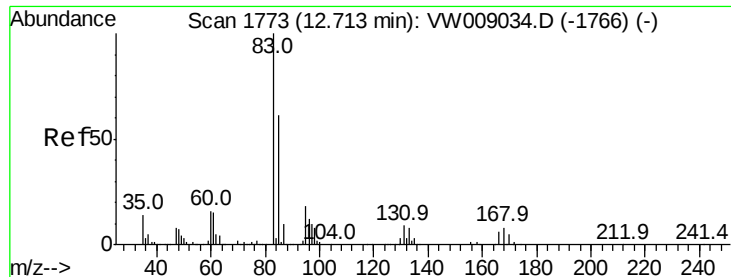
43 100

70 41.0 30.8 46.2

55 27.6 17.8 26.8#

61 23.0 17.4 26.2





#75

1,1,2,2-Tetrachloroethane

Concen: 17.821 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

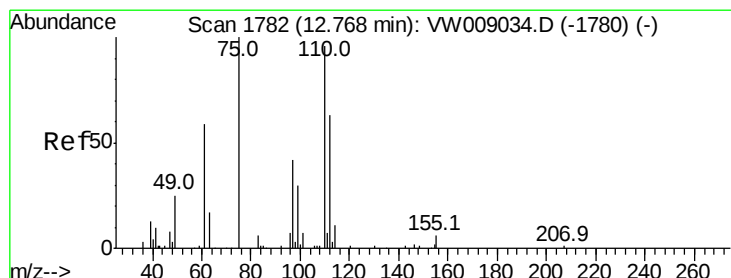
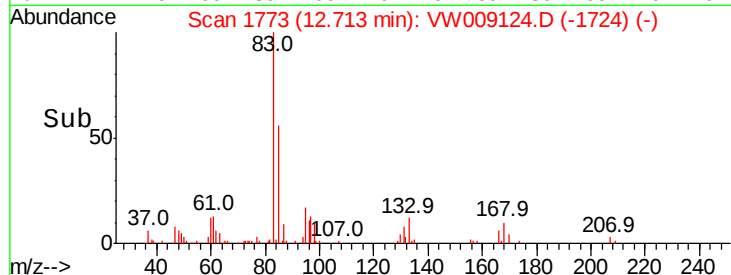
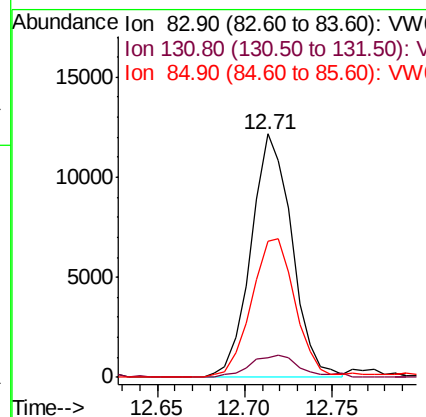
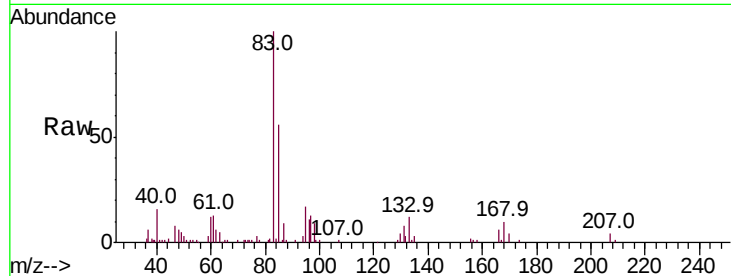
ClientSampleId :

VW0312SBSD01

Tot Ion:	83	Resp:	19743
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.7
85	61.2	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.417 ug/l m

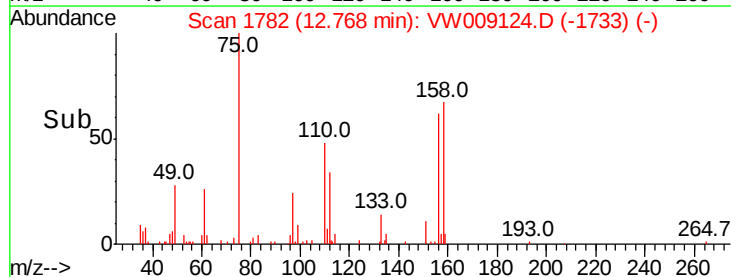
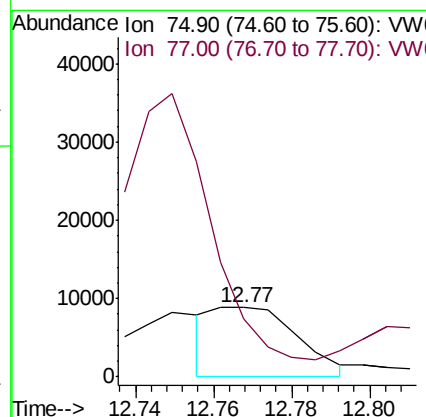
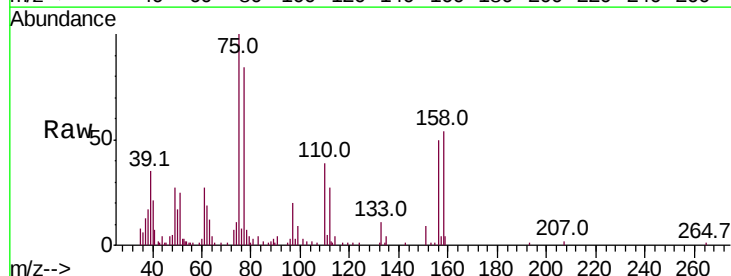
RT: 12.77 min Scan# 1782

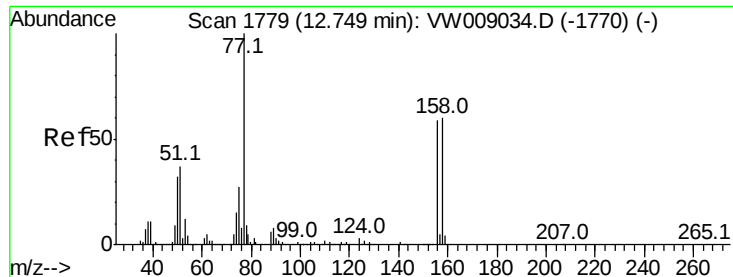
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	75	Resp:	13496
Ion Ratio	Lower	Upper	
75	100		
77	471.2	186.7	560.0





#77

Bromobenzene

Concen: 22.334 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion:156 Resp: 35839

Ion Ratio Lower Upper

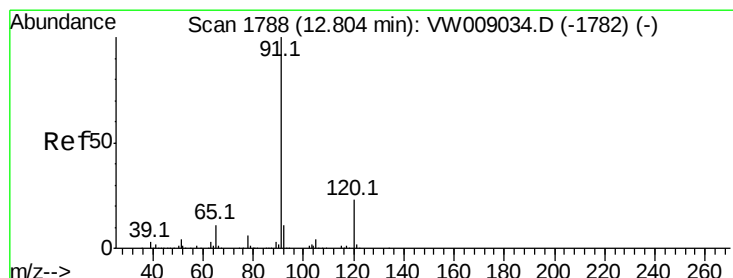
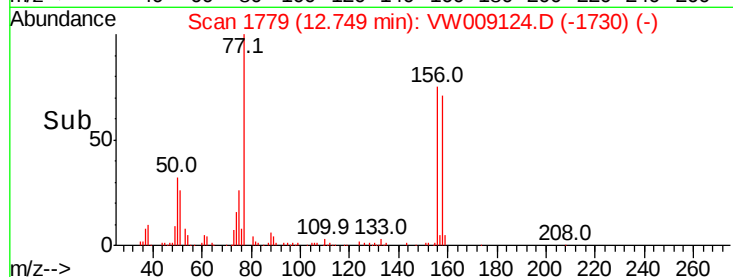
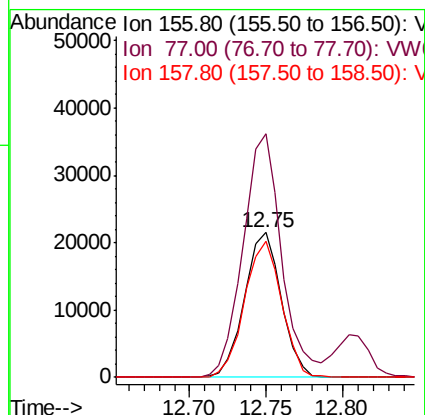
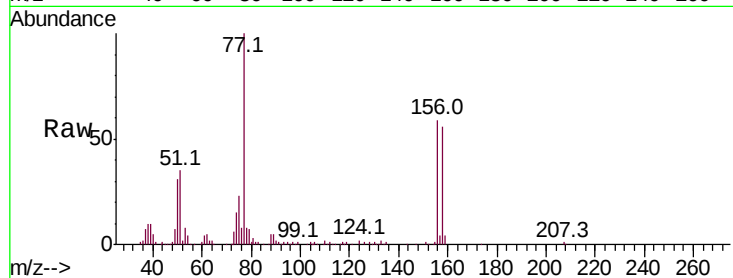
156 100

77 177.4 93.0 279.2

158 95.3 50.0 149.8

Manual Integrations
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#78

n-propylbenzene

Concen: 27.329 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW009124.D

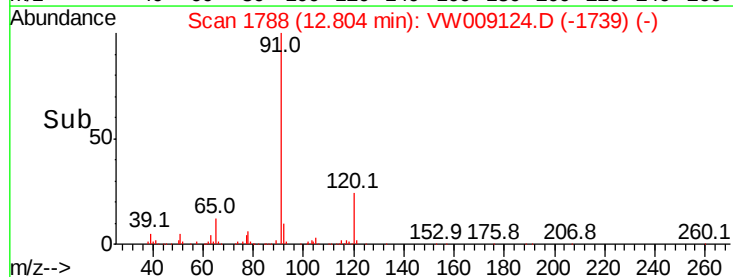
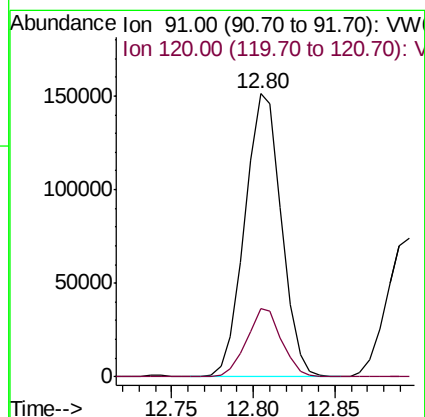
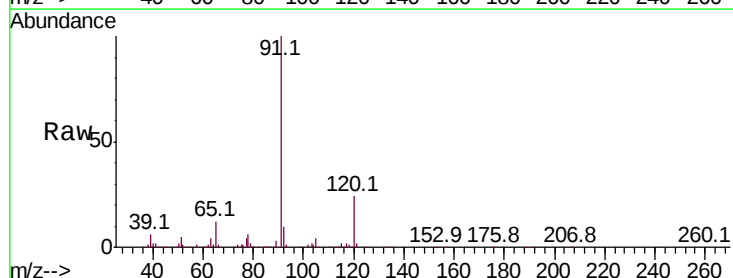
Acq: 12 Mar 2019 15:20

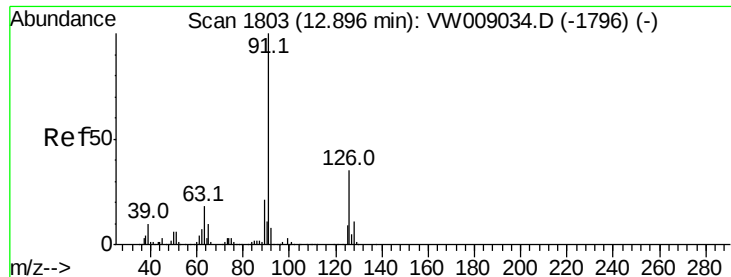
Tgt Ion: 91 Resp: 236417

Ion Ratio Lower Upper

91 100

120 23.2 11.4 34.2





#79

2-Chlorotoluene

Concen: 24.819 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBSD01

Tot Ion: 91 Resp: 120627

Ion Ratio Lower Upper

91 100

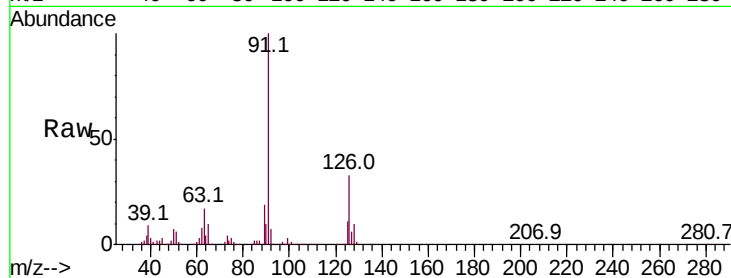
126 34.1 16.8 50.4

Manual Integrations

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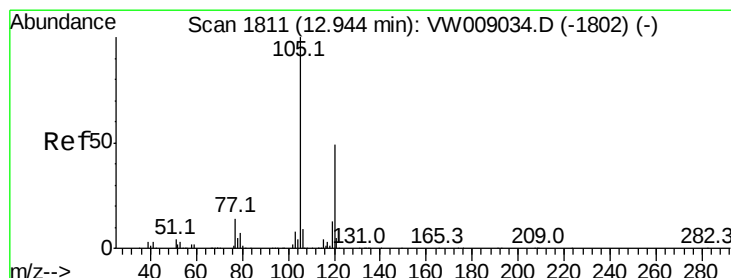
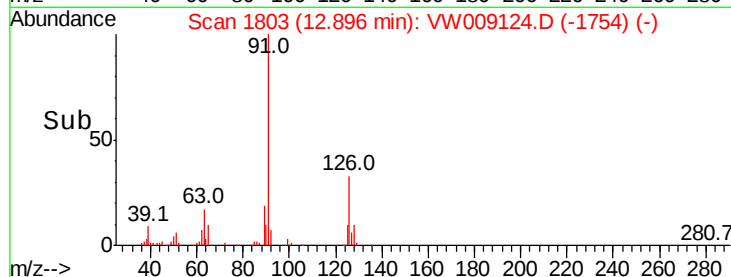
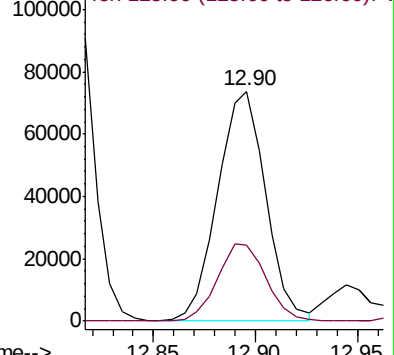
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 25.259 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009124.D

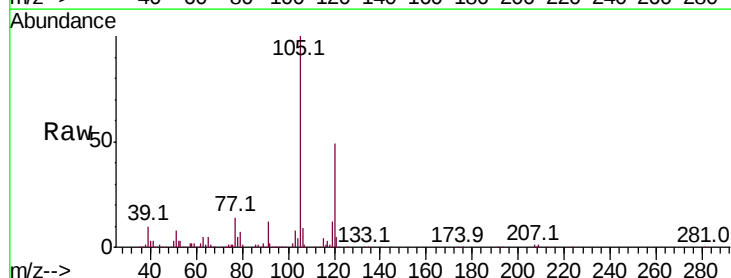
Acq: 12 Mar 2019 15:20

Tgt Ion:105 Resp: 152915

Ion Ratio Lower Upper

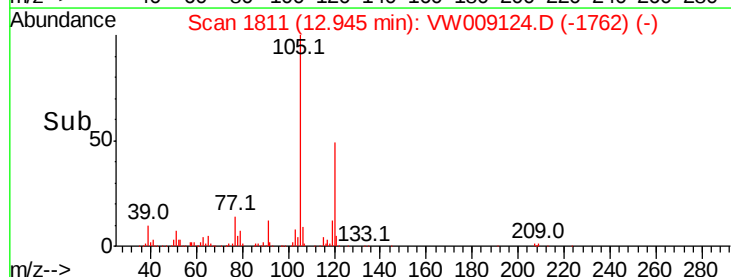
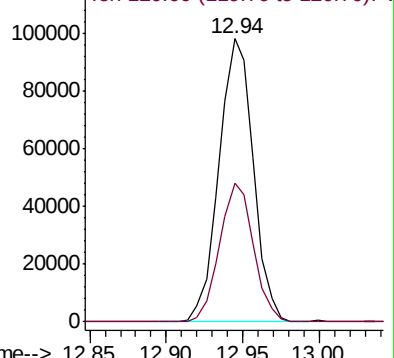
105 100

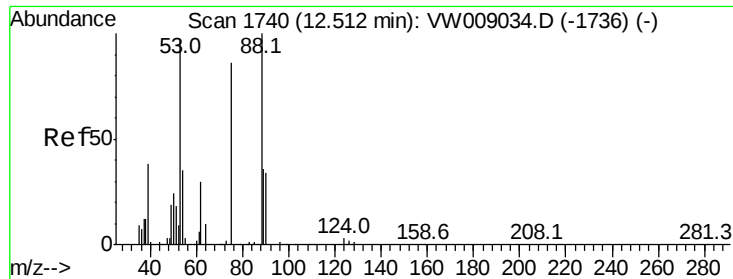
120 48.5 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





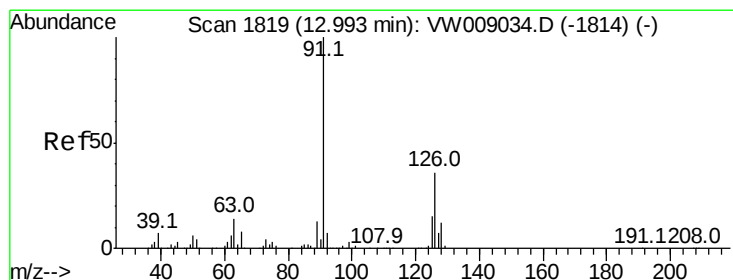
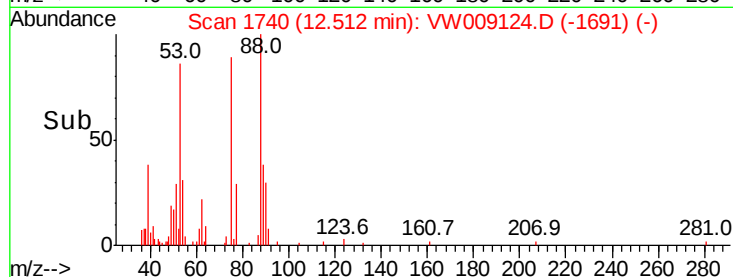
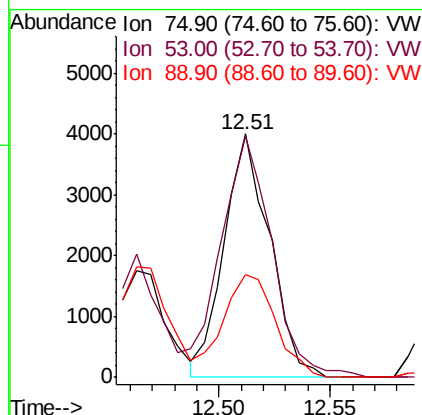
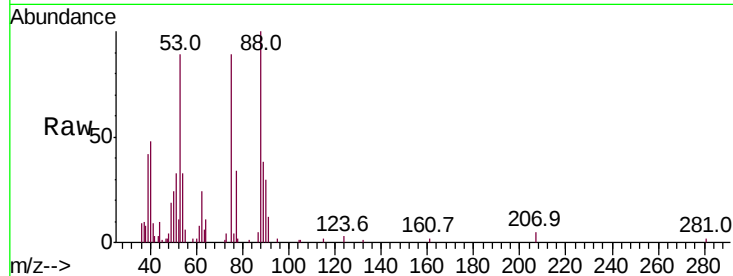
#81
trans-1,4-Dichloro-2-butene
Concen: 16.422 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.5	90.5	135.7
89	48.9	37.5	56.3

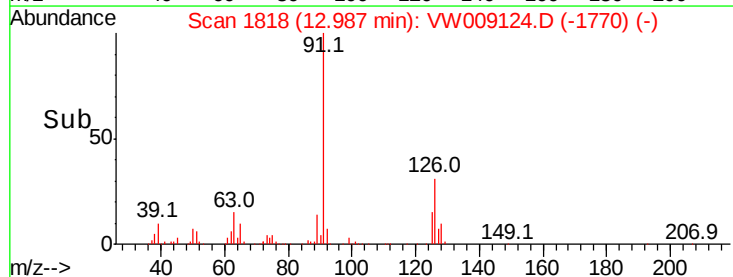
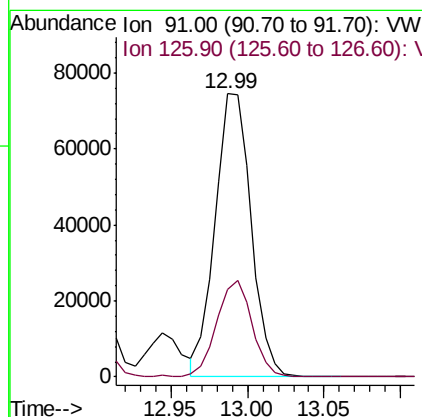
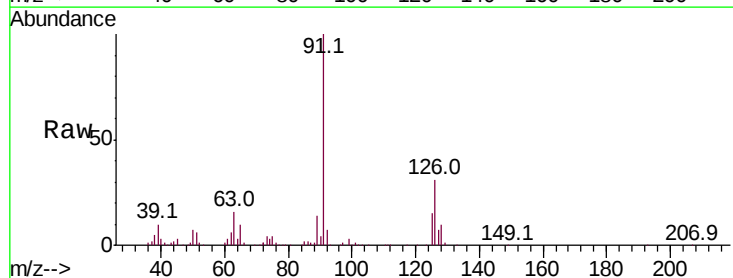
Manual Integrations
APPROVED

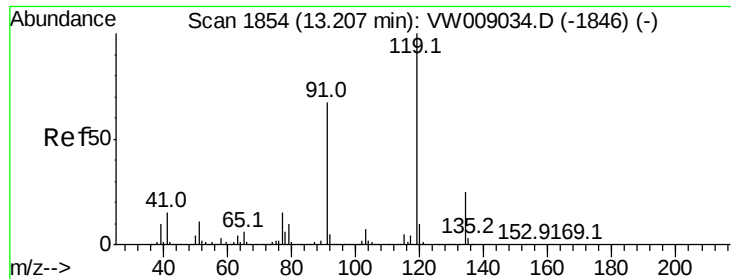
MMDadoda
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#82
4-Chlorotoluene
Concen: 23.557 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.7	16.6	49.8





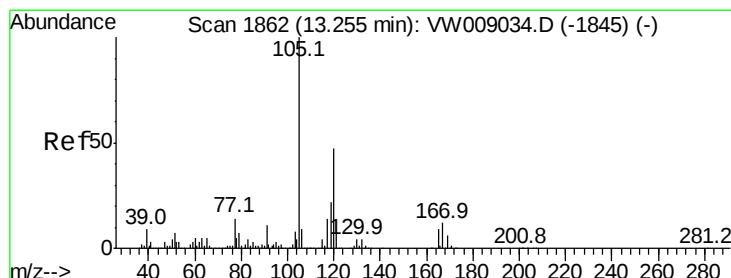
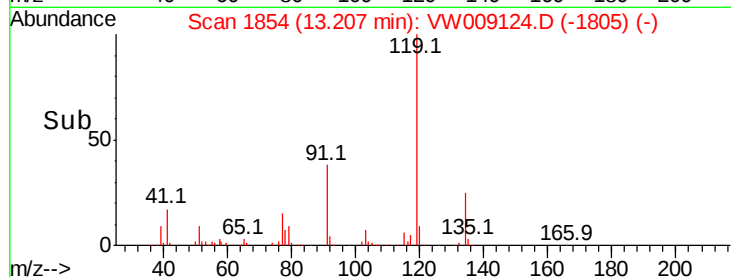
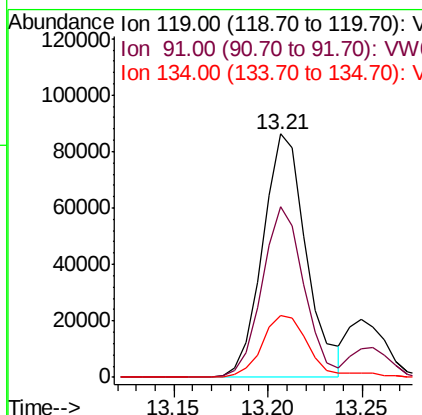
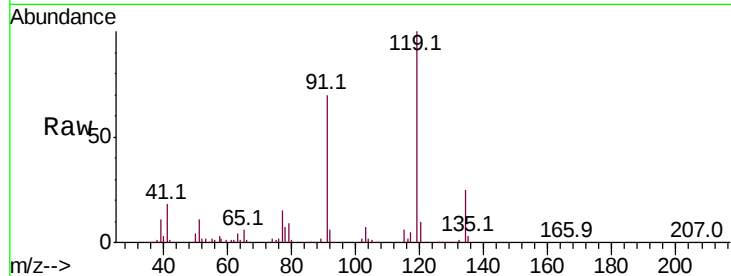
#83
tert-Butylbenzene
Concen: 27.140 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	138571		
91	67.3	34.2	102.5	
134	27.6	13.9	41.6	

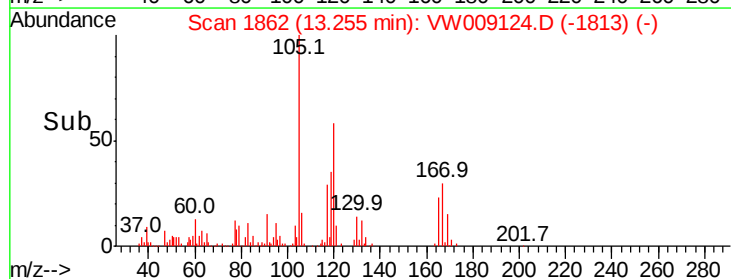
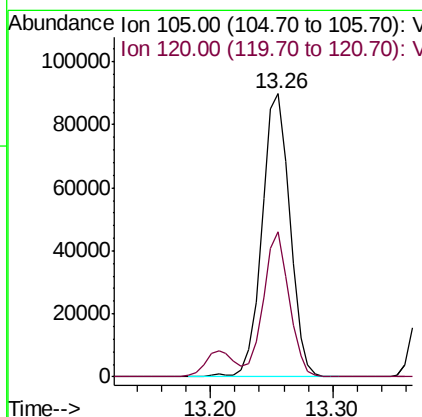
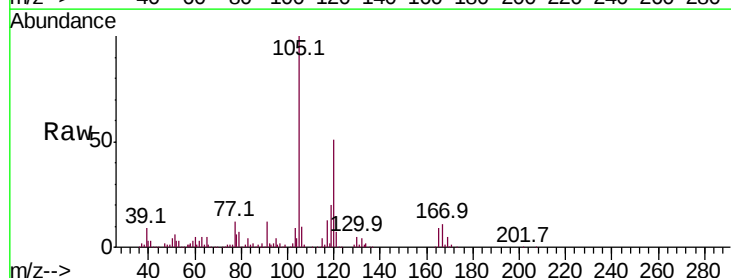
Manual Integrations
APPROVED

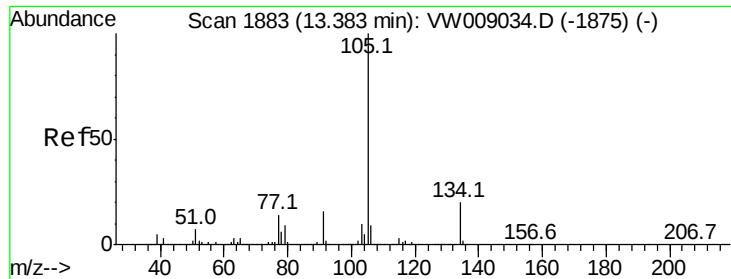
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 23.336 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	142906		
120	47.4	22.8	68.4	





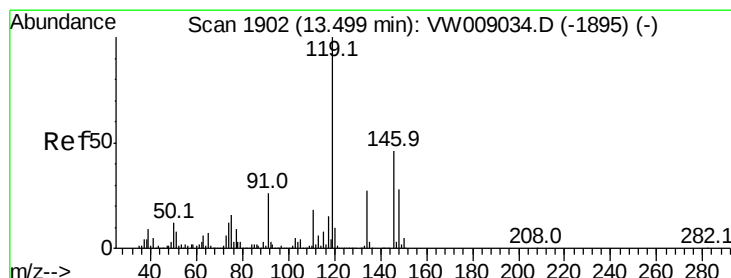
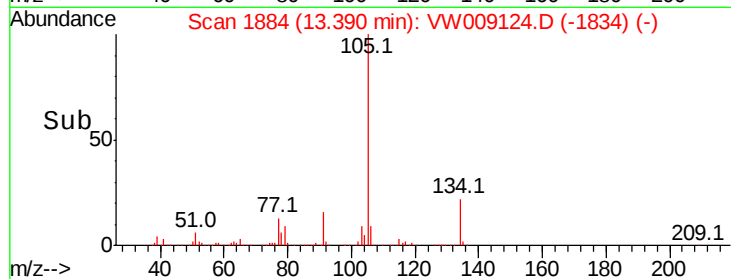
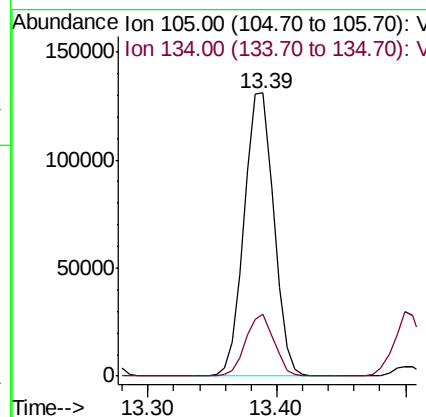
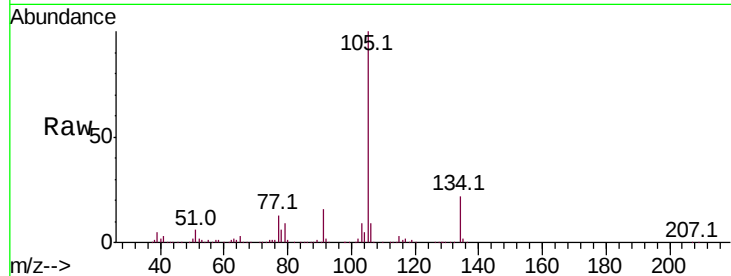
#85
 sec-Butylbenzene
 Concen: 27.554 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.01 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.0	30.0

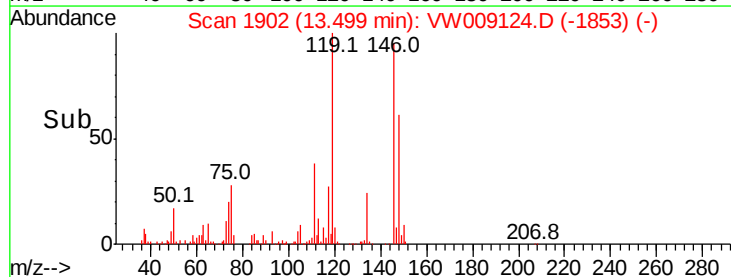
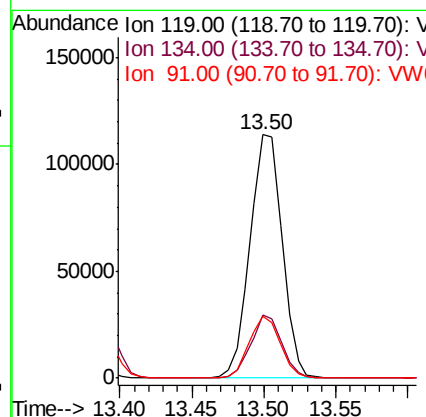
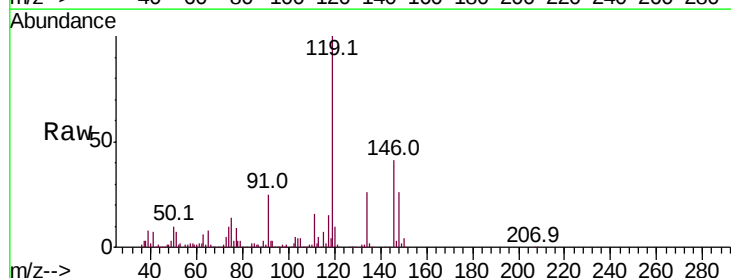
Manual Integrations
 APPROVED

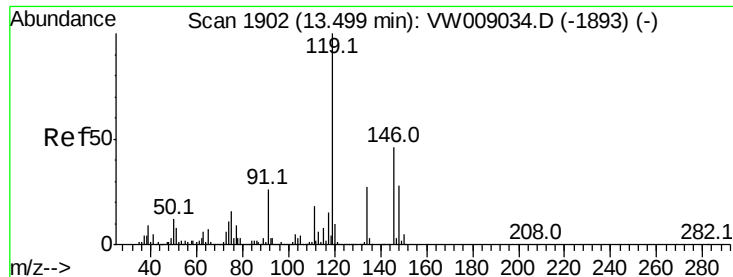
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#86
 p-Isopropyltoluene
 Concen: 25.920 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.3	39.9
91	25.0	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 22.752 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Instrument :

MSVOA_W

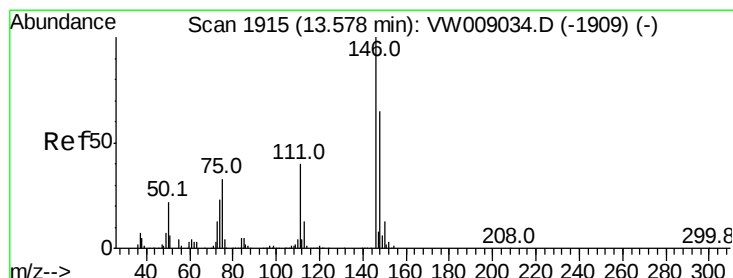
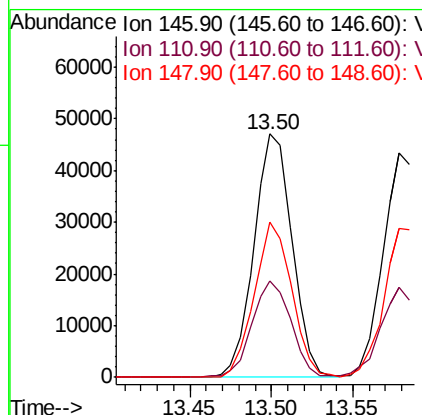
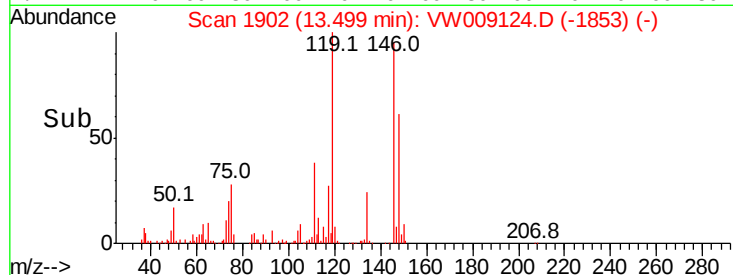
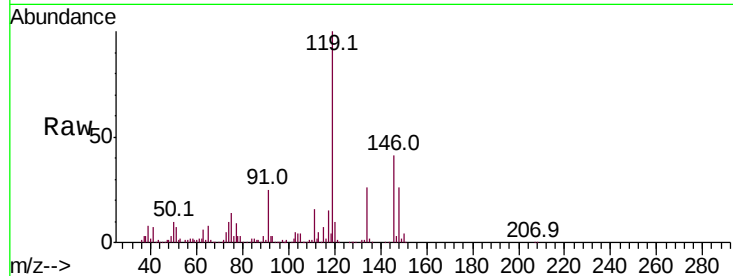
ClientSampleId :

VW0312SBSD01

Tot Ion:	146	Resp:	76729
Ion Ratio	Lower	Upper	
146	100		
111	40.5	19.8	59.4
148	62.4	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.546 ug/l

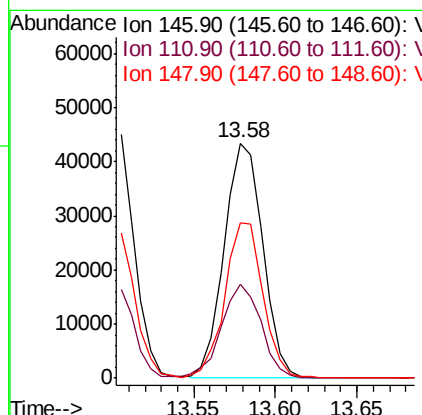
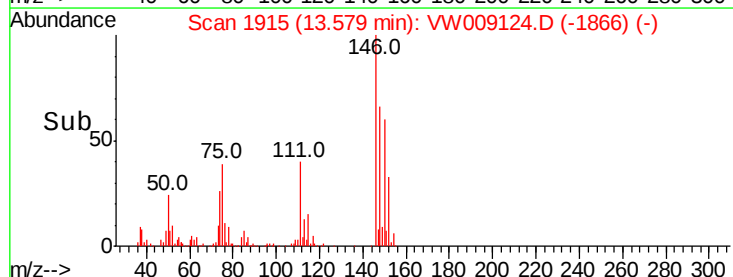
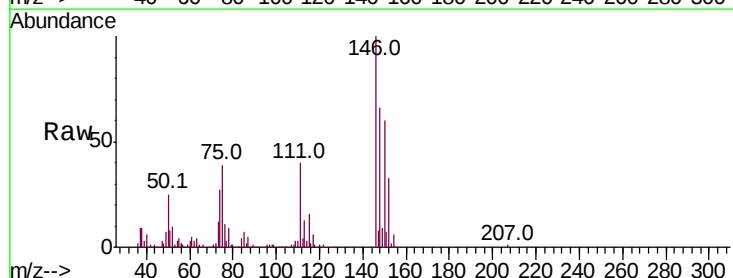
RT: 13.58 min Scan# 1915

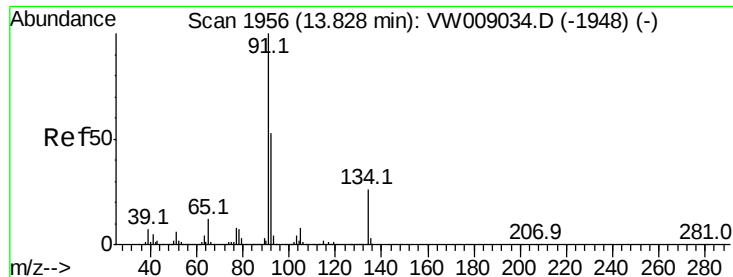
Delta R.T. 0.00 min

Lab File: VW009124.D

Acq: 12 Mar 2019 15:20

Tgt Ion:	146	Resp:	71808
Ion Ratio	Lower	Upper	
146	100		
111	40.8	19.7	59.0
148	65.0	32.2	96.6





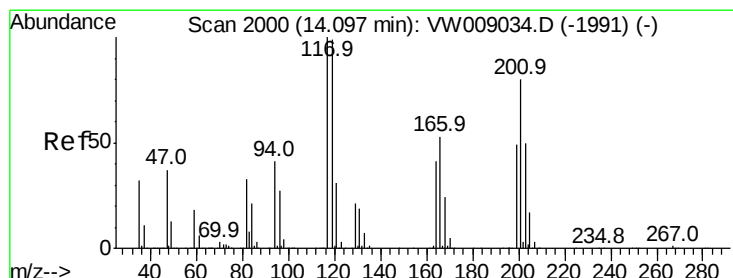
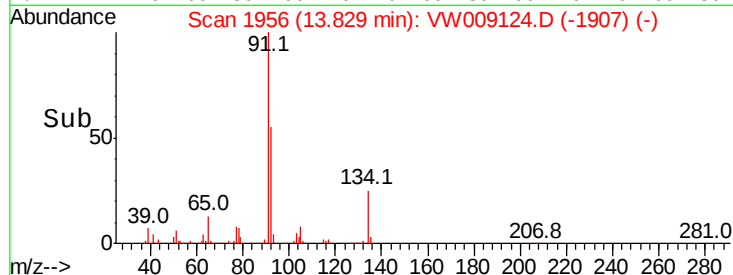
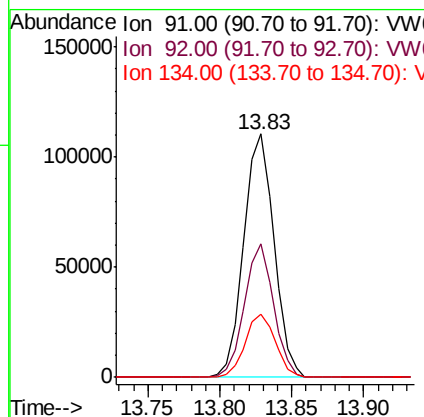
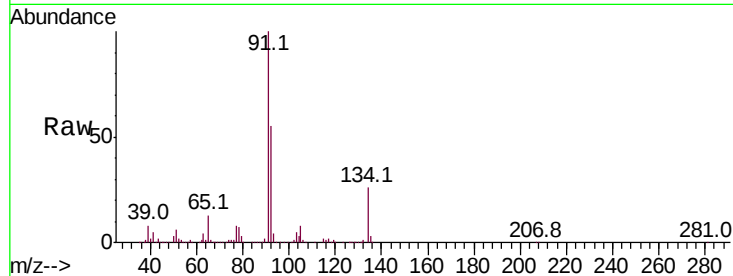
#89
n-Butylbenzene
Concen: 25.055 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	161186		
92	52.7	26.8	80.3	
134	25.9	12.9	38.7	

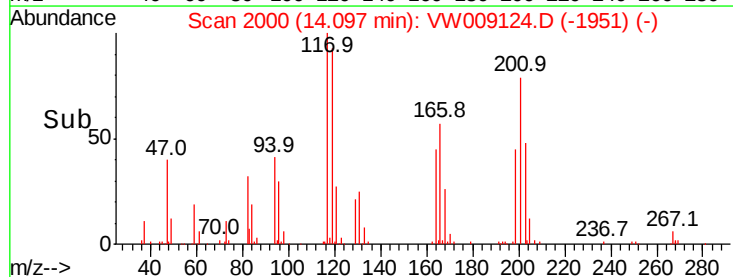
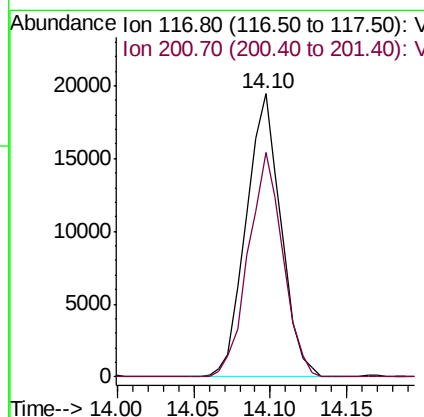
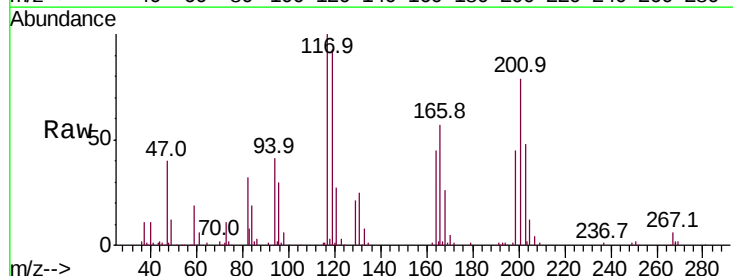
Manual Integrations
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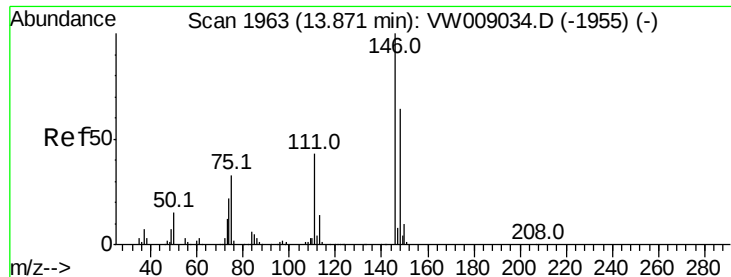
MMDadoda
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#90
Hexachloroethane
Concen: 26.371 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	30779		
201	78.7	39.1	117.5	





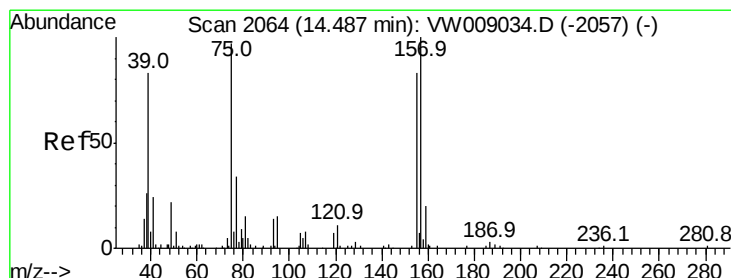
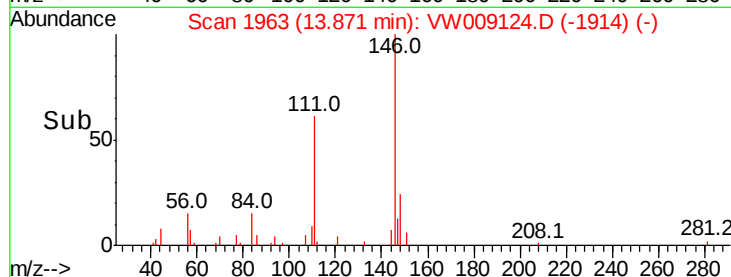
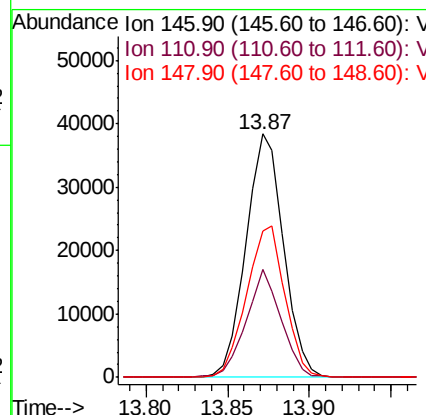
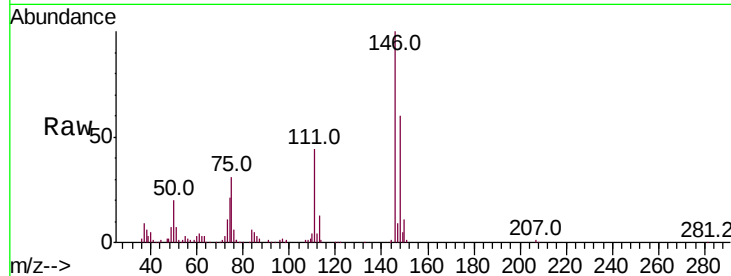
#91
 1,2-Dichlorobenzene
 Concen: 20.663 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.1	63.1
148	63.9	32.3	96.9

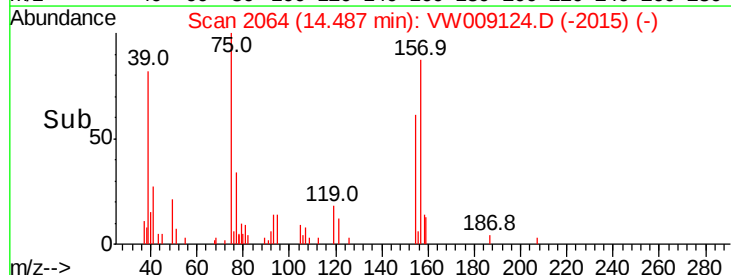
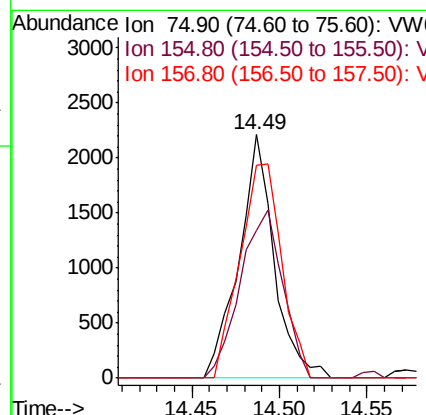
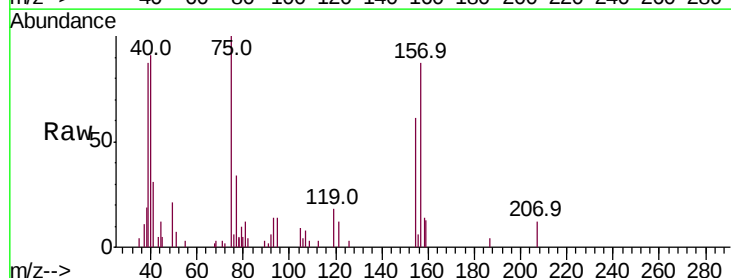
Manual Integrations
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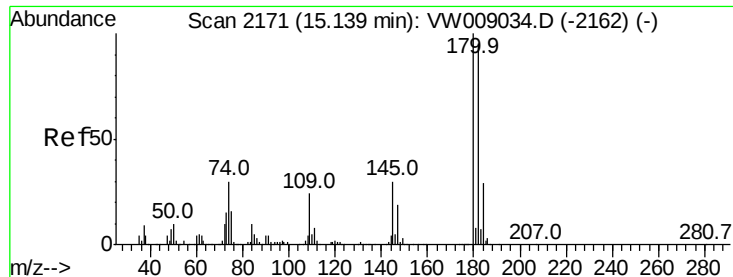
MMDadoda
 3/14/2019 3:12:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.671 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009124.D
 Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.1	40.8	122.4
157	104.5	52.4	157.3





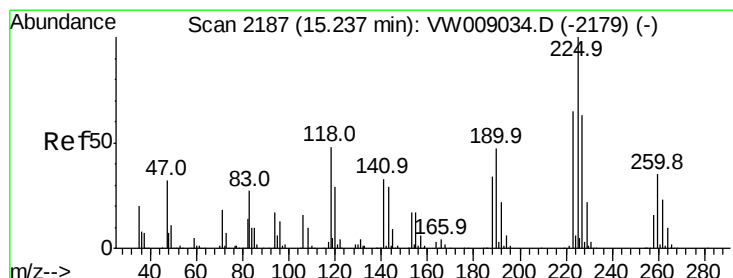
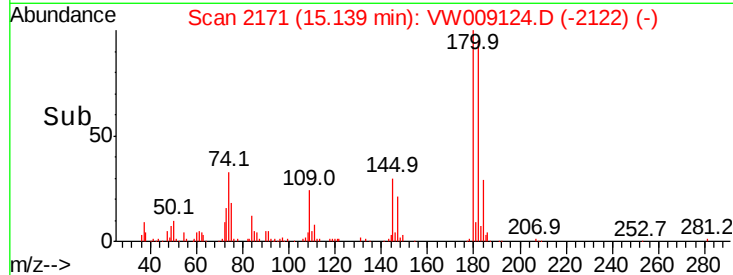
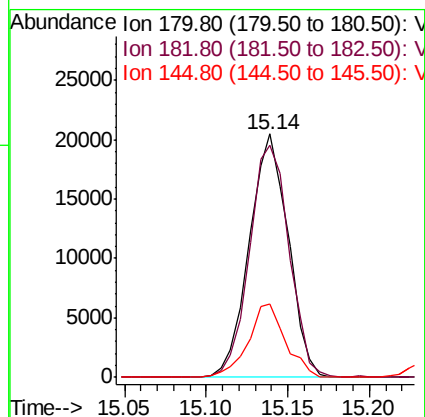
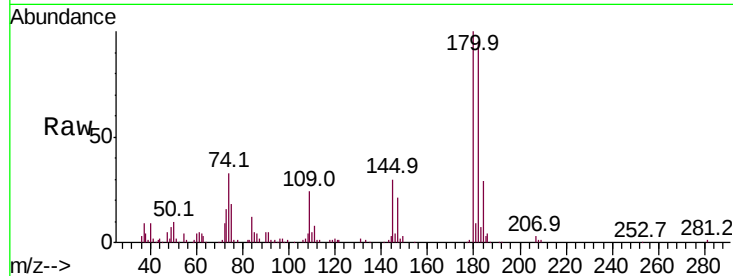
#93
1,2,4-Trichlorobenzene
Concen: 16.894 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.5	48.1	144.3	
145	29.4	15.4	46.1	

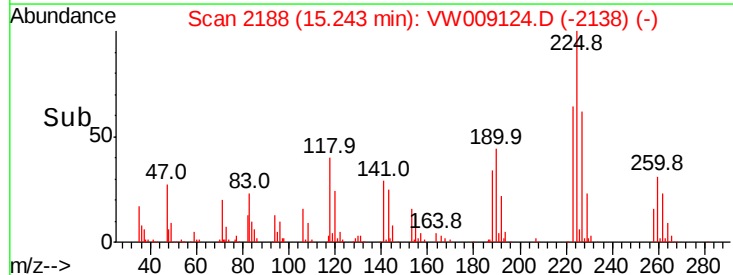
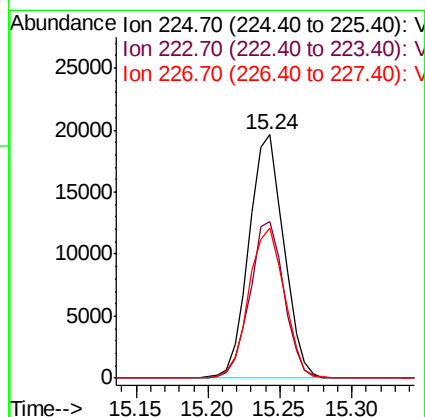
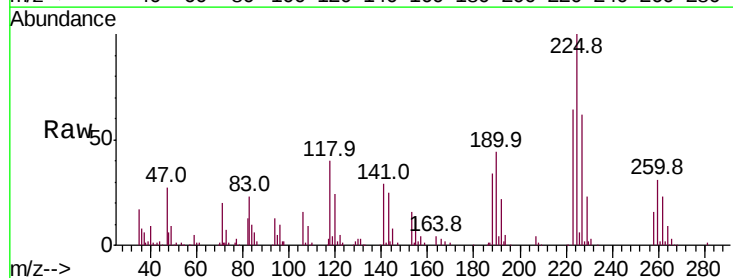
Manual Integrations
APPROVED

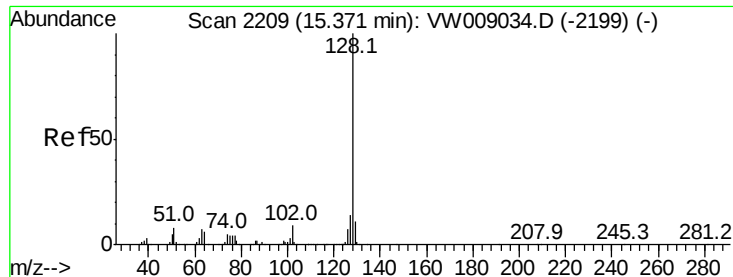
MMDadoda
3/14/2019 3:12:22 PM



#94
Hexachlorobutadiene
Concen: 26.076 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.6	94.8	
227	62.9	32.0	96.2	





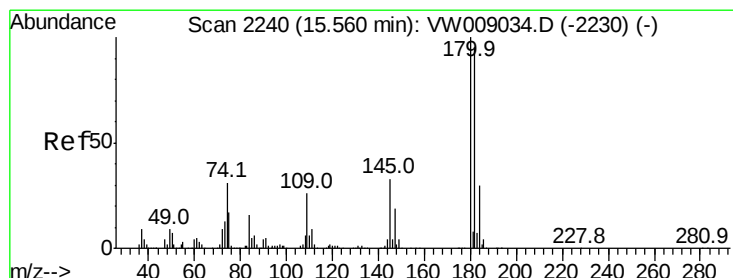
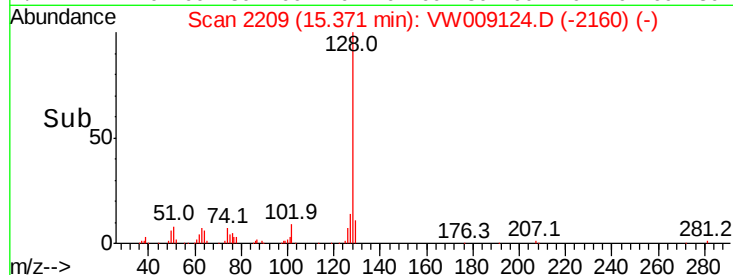
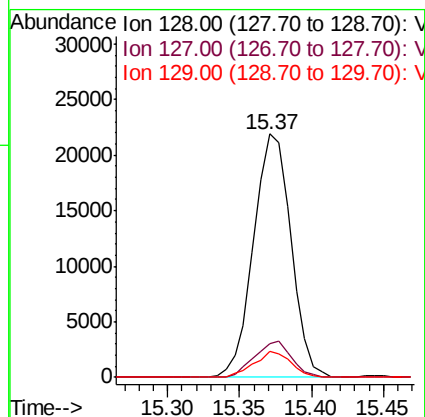
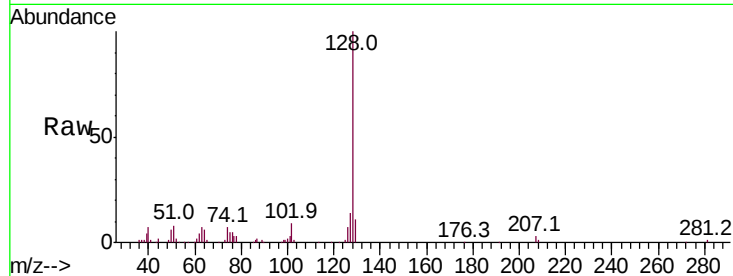
#95
Naphthalene
Concen: 11.995 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBSD01

Tot Ion:	128	Resp:	39454
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.0	16.6
129	10.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/14/2019 3:12:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.144 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW009124.D
Acq: 12 Mar 2019 15:20

Tgt Ion:	180	Resp:	26759
Ion Ratio	Lower	Upper	
180	100		
182	97.7	48.1	144.3
145	31.8	15.8	47.3

