

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW031219\
 Data File : VW009126.D
 Acq On : 12 Mar 2019 16:18
 Operator : SY/VA
 Sample : VW0312SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/20/2019 9:38:16 AM

Quant Time: Mar 13 05:21:43 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	272293	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	385750	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	368545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	201681	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	144834	52.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.74%	
35) Dibromofluoromethane	7.88	113	126579	54.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.00%	
50) Toluene-d8	10.32	98	517352	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
62) 4-Bromofluorobenzene	12.62	95	193451	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	59688	21.751	ug/l	98
3) Chloromethane	2.21	50	72198	20.710	ug/l	96
4) Vinyl Chloride	2.35	62	71301	20.154	ug/l	98
5) Bromomethane	2.76	94	57391	19.218	ug/l	98
6) Chloroethane	2.91	64	48145	19.116	ug/l	97
7) Trichlorofluoromethane	3.26	101	96637	21.215	ug/l	97
8) Diethyl Ether	3.68	74	26705	19.173	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	56426	19.889	ug/l	97
10) Methyl Iodide	4.26	142	54419	19.744	ug/l	100
11) Tert butyl alcohol	5.18	59	21171	100.847	ug/l #	91
12) 1,1-Dichloroethene	4.04	96	47865	19.559	ug/l	98
13) Acrolein	3.89	56	21410	92.680	ug/l	100
14) Allyl chloride	4.67	41	82159	19.033	ug/l	97
15) Acrylonitrile	5.37	53	59508	97.893	ug/l	97
16) Acetone	4.12	43	63869	103.315	ug/l	96
17) Carbon Disulfide	4.38	76	160949	19.547	ug/l	99
18) Methyl Acetate	4.68	43	24843	17.476	ug/l	93
19) Methyl tert-butyl Ether	5.42	73	125495	19.386	ug/l	98
20) Methylene Chloride	4.91	84	67085	19.790	ug/l	97
21) trans-1,2-Dichloroethene	5.42	96	55440	19.620	ug/l	98
22) Diisopropyl ether	6.31	45	170180	19.838	ug/l	96
23) Vinyl Acetate	6.26	43	526050	98.543	ug/l	99
24) 1,1-Dichloroethane	6.21	63	98489	19.794	ug/l	100
25) 2-Butanone	7.17	43	83880	98.178	ug/l	97
26) 2,2-Dichloropropane	7.17	77	93609	20.697	ug/l	100
27) cis-1,2-Dichloroethene	7.16	96	59460	19.593	ug/l	98
28) Bromochloromethane	7.51	49	43754	21.141	ug/l	97
29) Tetrahydrofuran	7.53	42	50152	93.150	ug/l	99
30) Chloroform	7.68	83	101403	19.795	ug/l	95
31) Cyclohexane	7.95	56	101671	19.900	ug/l	95
32) 1,1,1-Trichloroethane	7.87	97	96441	20.400	ug/l	99
36) 1,1-Dichloropropene	8.08	75	85538	21.207	ug/l	98
37) Ethyl Acetate	7.26	43	33928	17.908	ug/l #	94
38) Carbon Tetrachloride	8.07	117	86246	20.705	ug/l	96

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	95282	19.833	ug/l	99
40) Benzene	8.32	78	220763	20.503	ug/l	96
41) Methacrylonitrile	7.48	41	21978	20.890	ug/l #	88
42) 1,2-Dichloroethane	8.40	62	70586	20.306	ug/l	99
43) Isopropyl Acetate	8.43	43	68881	19.521	ug/l	99
44) Trichloroethene	9.09	130	60620	20.088	ug/l	98
45) 1,2-Dichloropropane	9.37	63	54259	20.121	ug/l	99
46) Dibromomethane	9.46	93	29564	20.074	ug/l	99
47) Bromodichloromethane	9.65	83	76512	20.523	ug/l	99
48) Methyl methacrylate	9.44	41	30718	18.696	ug/l	92
49) 1,4-Dioxane	9.45	88	7968	377.813	ug/l	97
51) 4-Methyl-2-Pentanone	10.21	43	176330	98.434	ug/l	99
52) Toluene	10.38	92	145263	19.893	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	73440	19.917	ug/l #	87
54) cis-1,3-Dichloropropene	10.07	75	83990	19.822	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	40833	20.456	ug/l	98
56) Ethyl methacrylate	10.65	69	47201	19.053	ug/l	99
57) 1,3-Dichloropropane	10.93	76	70775	20.014	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	122797	95.613	ug/l	100
59) 2-Hexanone	10.97	43	126856	100.722	ug/l	97
60) Dibromochloromethane	11.13	129	50130	20.293	ug/l	97
61) 1,2-Dibromoethane	11.24	107	38788	19.821	ug/l	98
64) Tetrachloroethene	10.86	164	54370	20.457	ug/l	96
65) Chlorobenzene	11.66	112	160009	19.947	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.73	131	54836	20.473	ug/l	98
67) Ethyl Benzene	11.73	91	286801	19.791	ug/l	99
68) m/p-Xylenes	11.84	106	228780	39.996	ug/l	98
69) o-Xylene	12.17	106	103837	19.510	ug/l	96
70) Styrene	12.18	104	167366	19.436	ug/l	99
71) Bromoform	12.35	173	27826	19.348	ug/l #	98
73) Isopropylbenzene	12.46	105	288081	19.947	ug/l	98
74) N-amyl acetate	12.27	43	65224	19.077	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	45700	20.060	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	33611m	21.093	ug/l	
77) Bromobenzene	12.75	156	66707	20.214	ug/l	96
78) n-propylbenzene	12.80	91	356213	20.024	ug/l	100
79) 2-Chlorotoluene	12.90	91	196141	19.624	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	242879	19.509	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.51	75	13910	19.526	ug/l	95
82) 4-Chlorotoluene	12.99	91	208650	19.583	ug/l	98
83) tert-Butylbenzene	13.21	119	206302	19.649	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	244253	19.395	ug/l	99
85) sec-Butylbenzene	13.38	105	301703	19.394	ug/l	97
86) p-Isopropyltoluene	13.50	119	269216	19.345	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	137556	19.835	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	134967	19.693	ug/l	98
89) n-Butylbenzene	13.83	91	252564	19.091	ug/l	99
90) Hexachloroethane	14.10	117	48563	20.233	ug/l	97
91) 1,2-Dichlorobenzene	13.87	146	119395	19.513	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7417	18.279	ug/l	89

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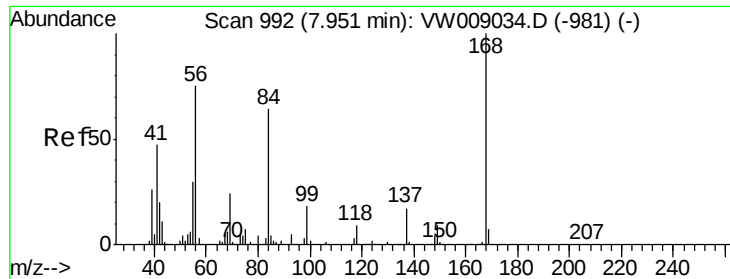
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	75511	18.273	ug/l	97
94) Hexachlorobutadiene	15.24	225	51007	19.707	ug/l	98
95) Naphthalene	15.37	128	121651	17.984	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	67246	18.507	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:168 Resp: 272293

Ion Ratio Lower Upper

168 100

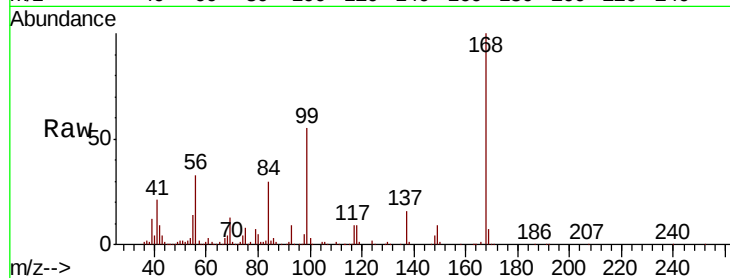
99 55.1 42.2 63.2

Manual Integrations

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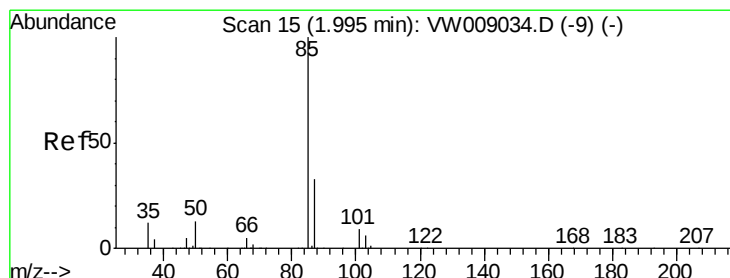
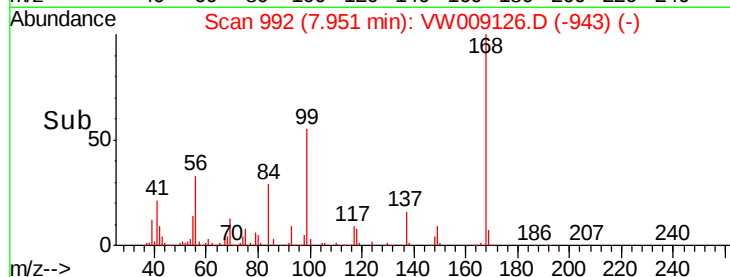
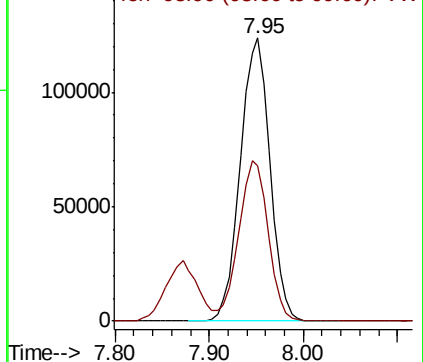
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 21.751 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW009126.D

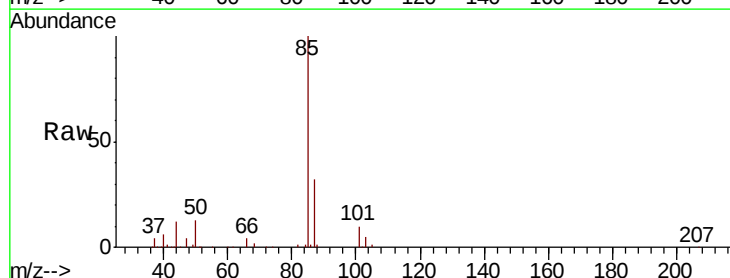
Acq: 12 Mar 2019 16:18

Tgt Ion: 85 Resp: 59688

Ion Ratio Lower Upper

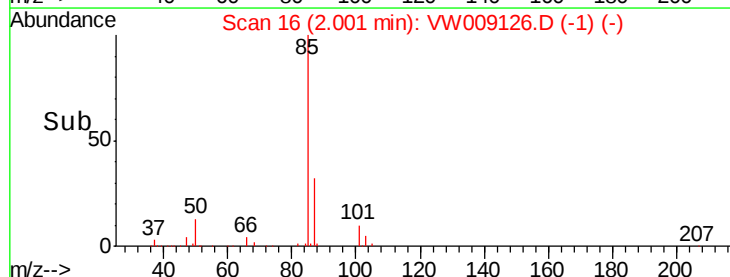
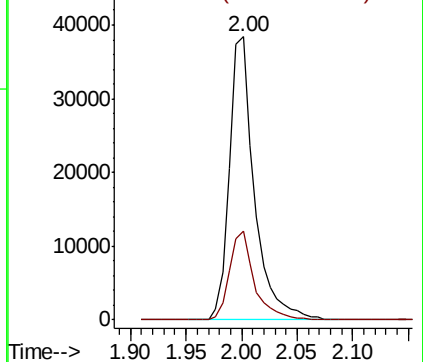
85 100

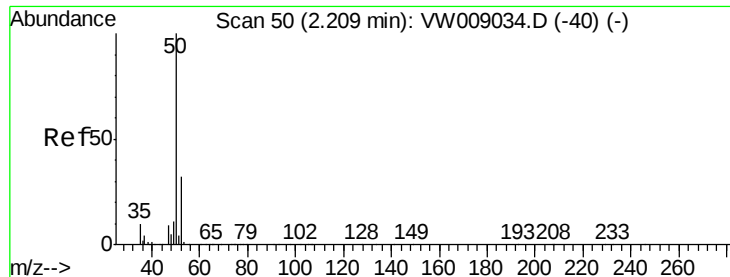
87 31.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 20.710 ug/l

RT: 2.21 min Scan# 50

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 50 Resp: 72198

Ion Ratio Lower Upper

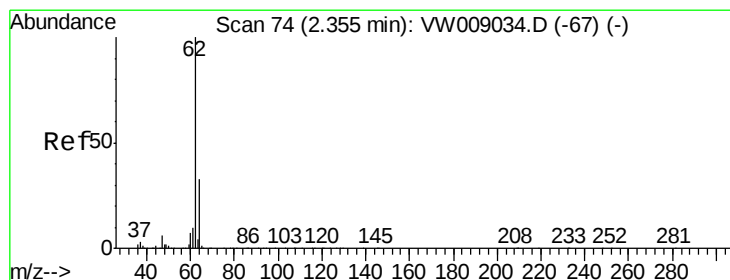
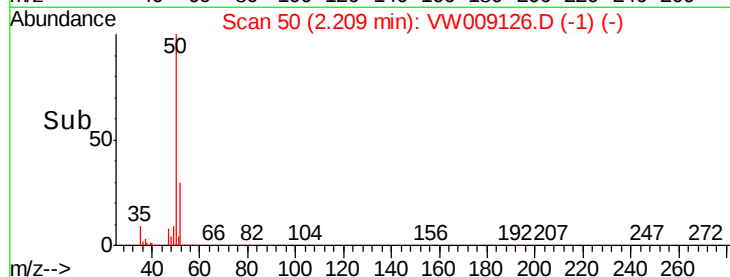
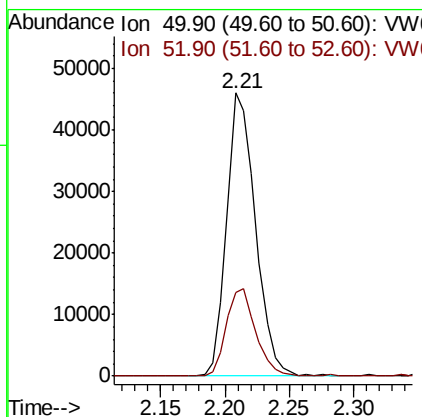
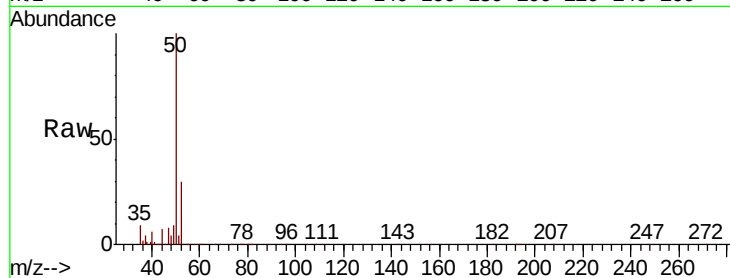
50 100

52 29.7 25.4 38.2

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#4

Vinyl Chloride

Concen: 20.154 ug/l

RT: 2.35 min Scan# 74

Delta R.T. -0.00 min

Lab File: VW009126.D

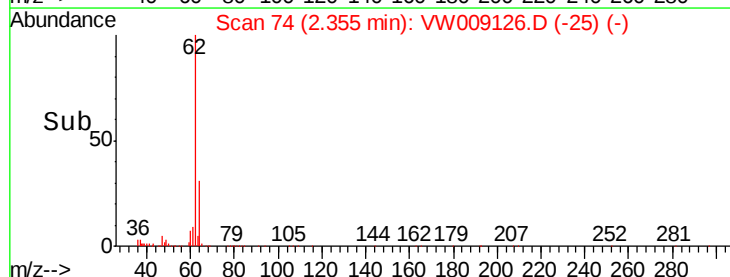
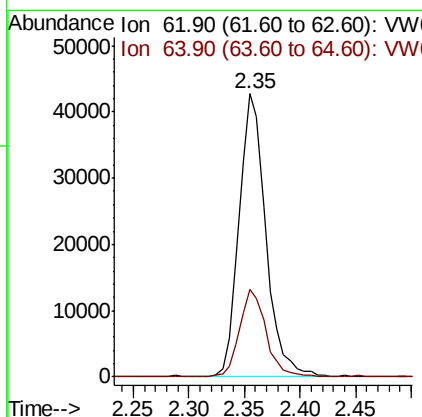
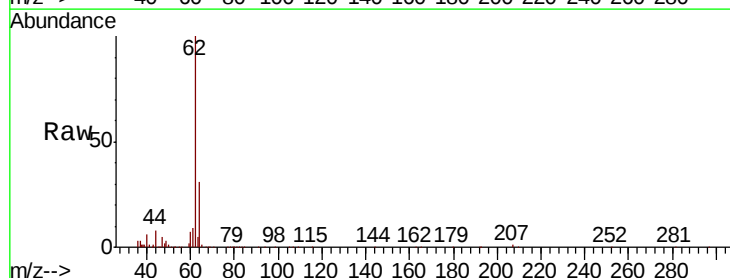
Acq: 12 Mar 2019 16:18

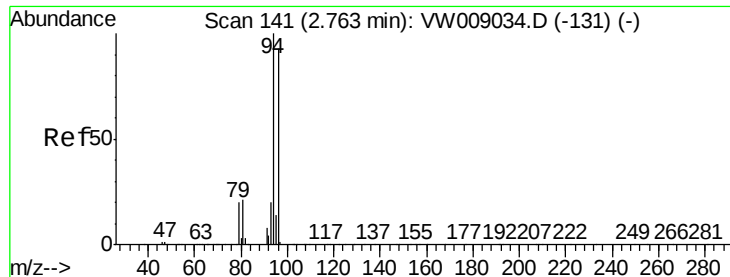
Tgt Ion: 62 Resp: 71301

Ion Ratio Lower Upper

62 100

64 31.2 26.0 39.0





#5

Bromomethane

Concen: 19.218 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 94 Resp: 57391

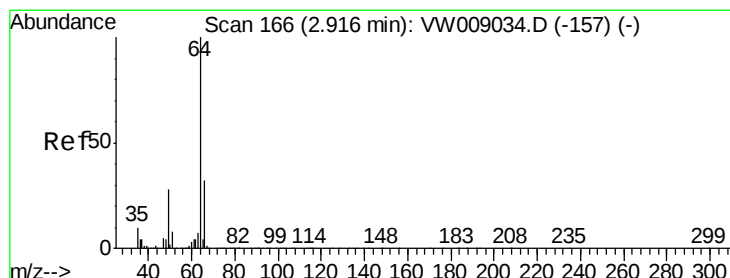
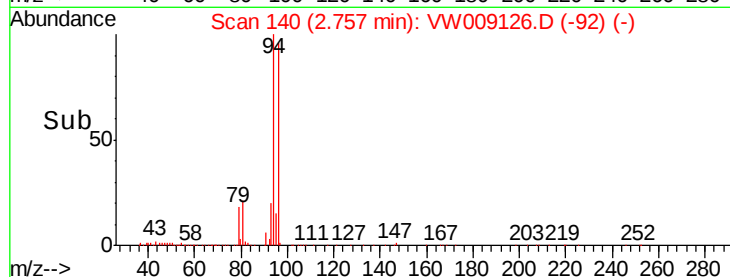
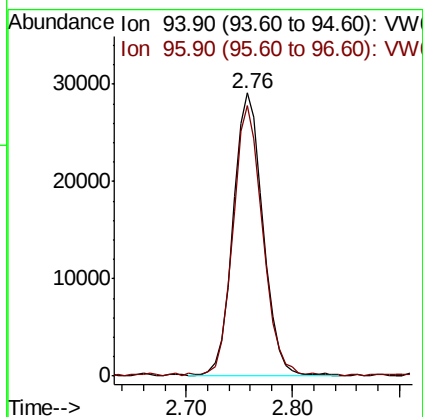
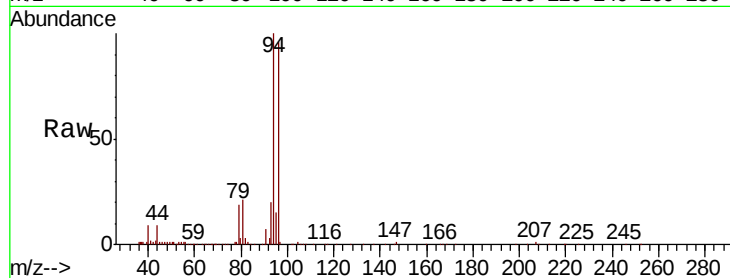
Ion Ratio Lower Upper

94 100

96 95.3 74.4 111.6

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#6

Chloroethane

Concen: 19.116 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW009126.D

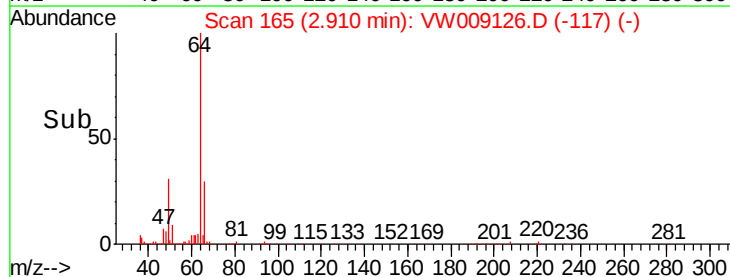
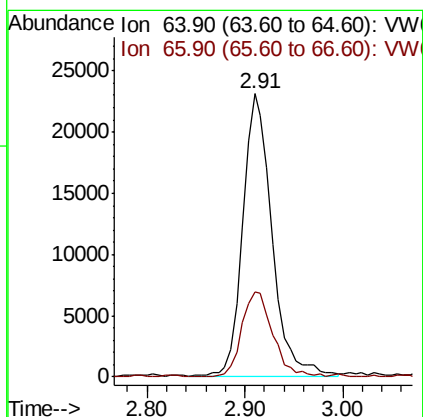
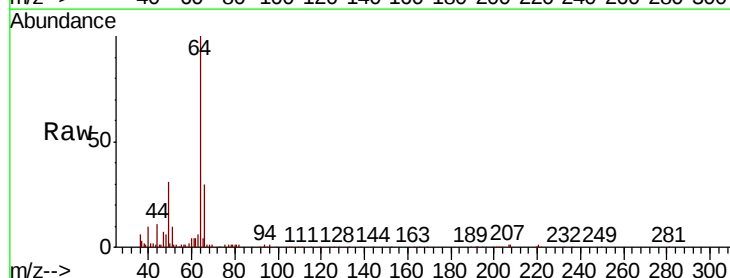
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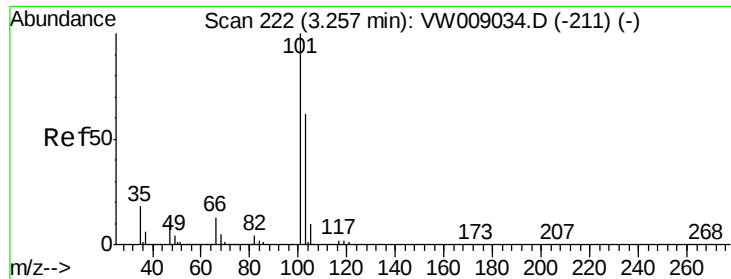
Tgt Ion: 64 Resp: 48145

Ion Ratio Lower Upper

64 100

66 30.2 25.5 38.3





#7

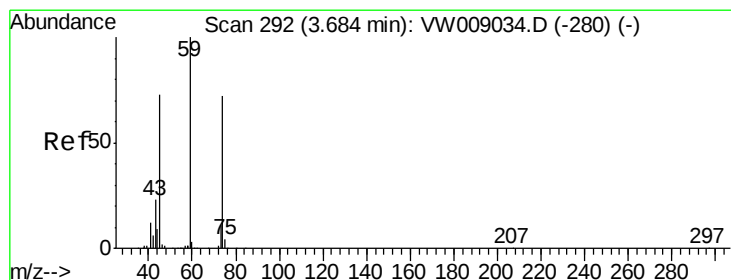
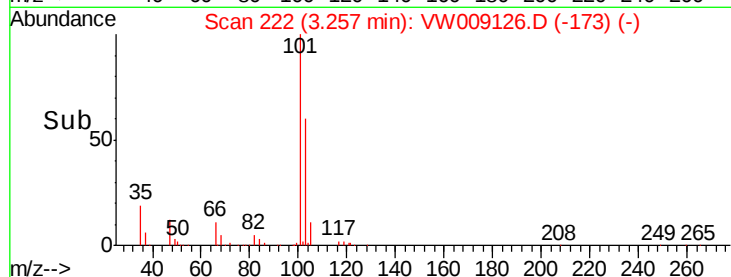
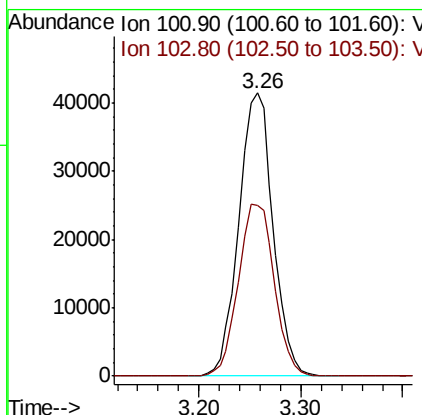
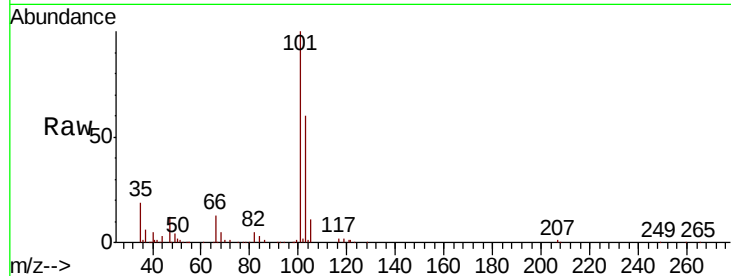
Trichlorofluoromethane
 Concen: 21.215 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
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 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.4	49.9	74.9

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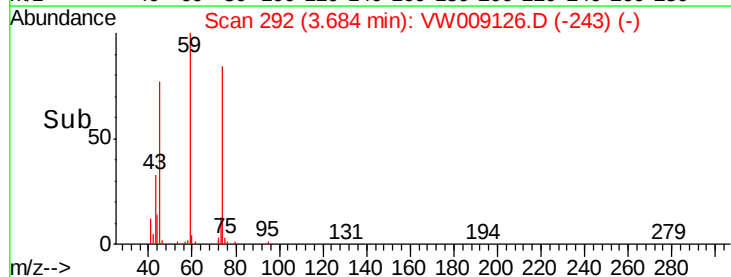
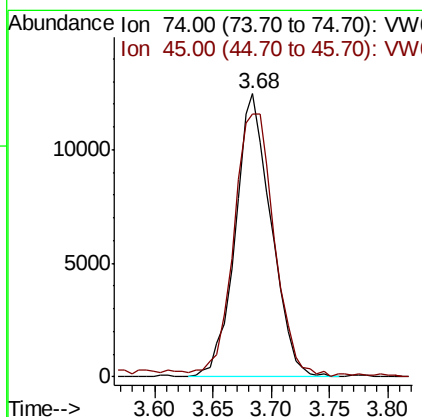
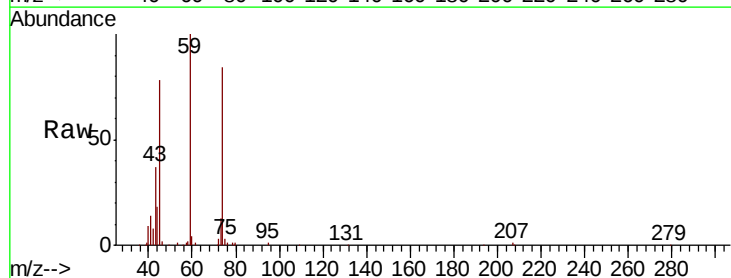
MMDadoda
 3/20/2019 9:38:16 AM

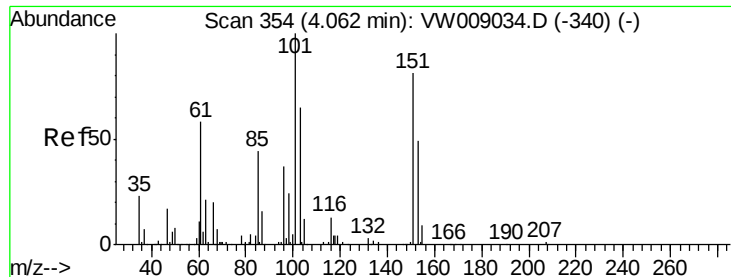


#8

Diethyl Ether
 Concen: 19.173 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.3	52.3	157.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.889 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

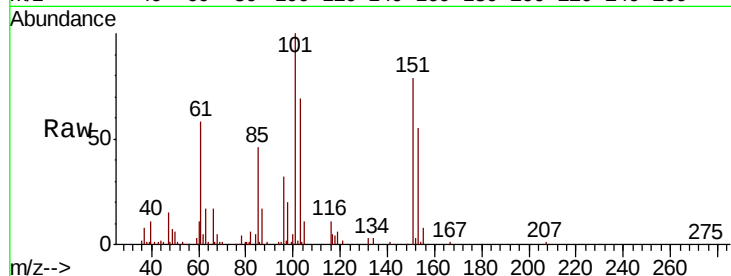
ClientSampleId :

VW0312SBS01

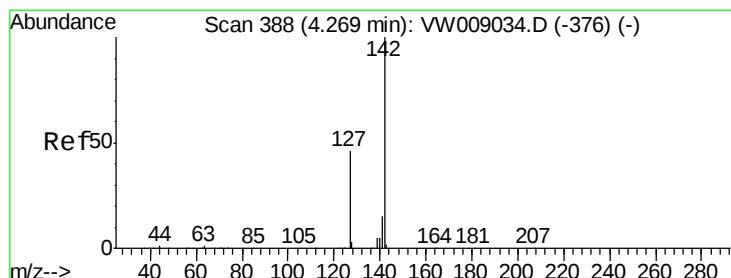
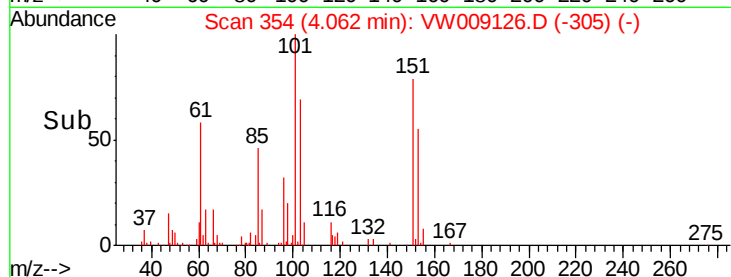
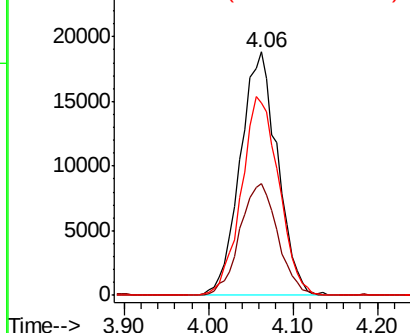
Tot Ion:	101	Resp:	56426
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.2	54.4
151	82.0	63.4	95.2

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.744 ug/l

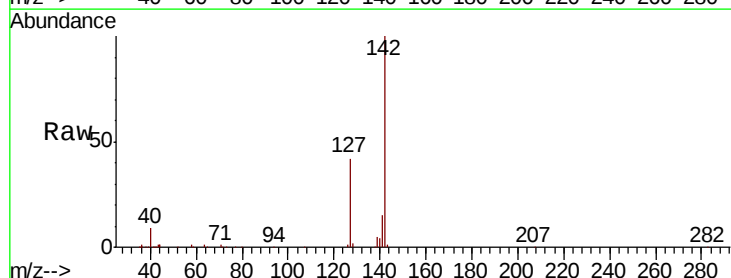
RT: 4.26 min Scan# 387

Delta R.T. -0.01 min

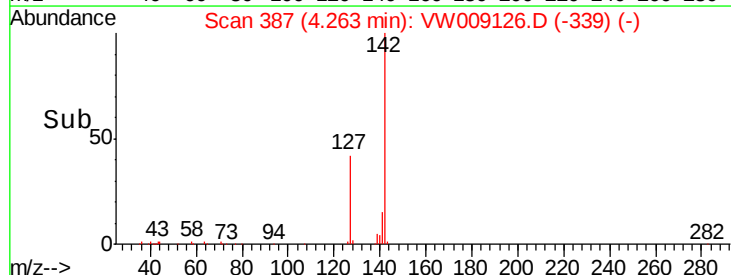
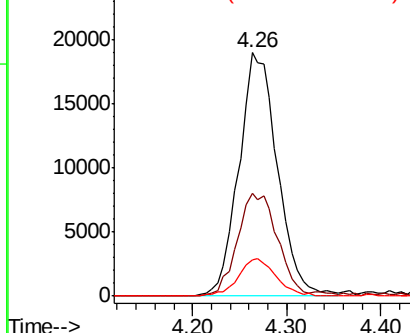
Lab File: VW009126.D

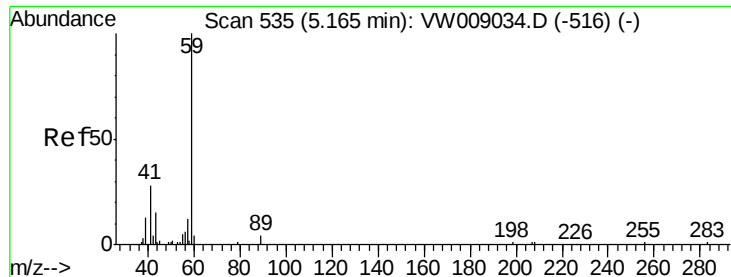
Acq: 12 Mar 2019 16:18

Tgt Ion:	142	Resp:	54419
Ion Ratio	Lower	Upper	
142	100		
127	44.8	35.8	53.6
141	15.0	11.8	17.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

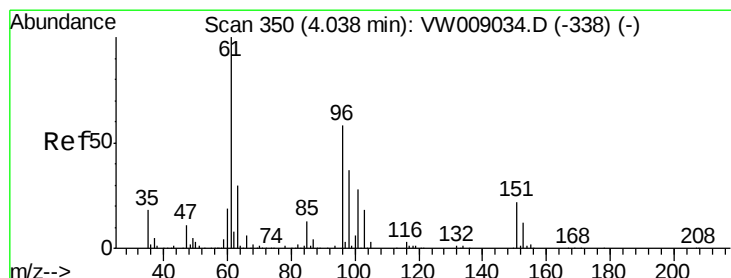
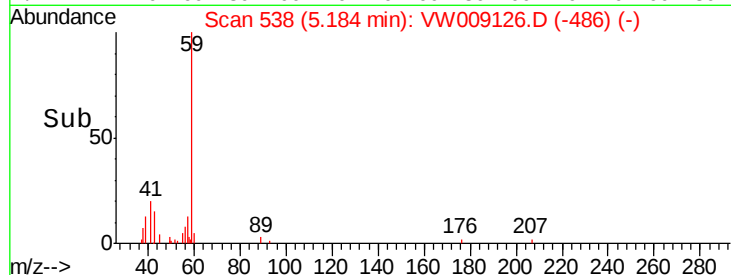
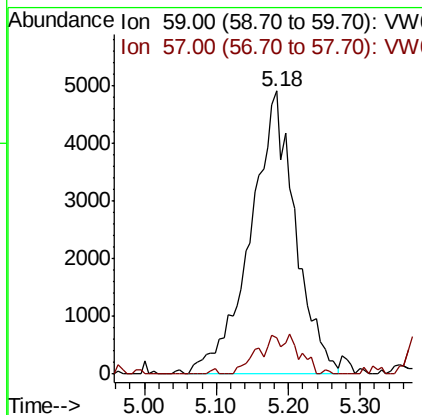
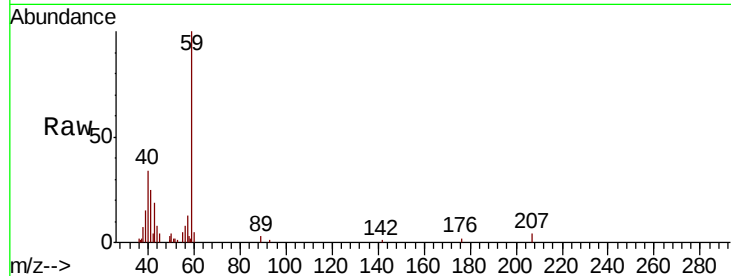
Tert butyl alcohol
Concen: 100.847 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.02 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.2	8.6	12.8#

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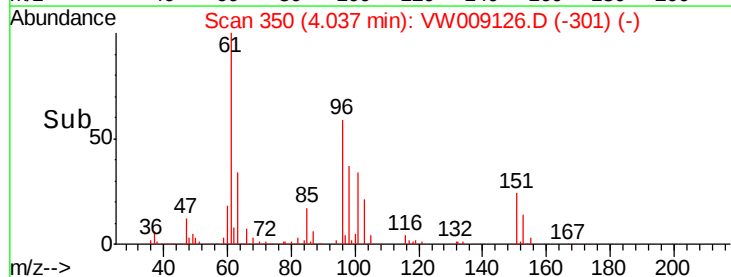
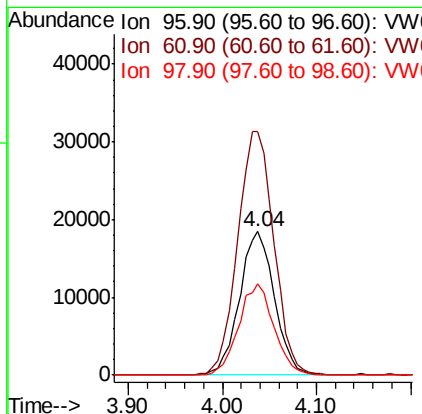
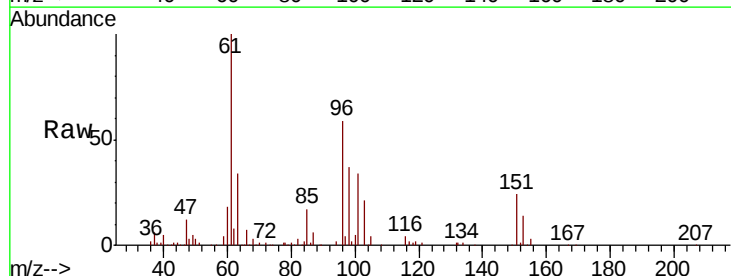
MMDadoda
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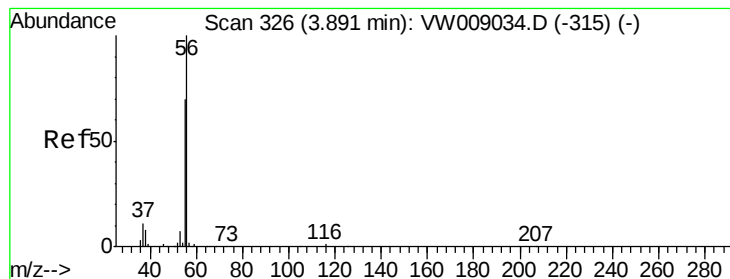


#12

1,1-Dichloroethene
Concen: 19.559 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.8	138.2	207.2
98	63.3	51.3	76.9





#13

Acrolein

Concen: 92.680 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 56 Resp: 21410

Ion Ratio Lower Upper

56 100

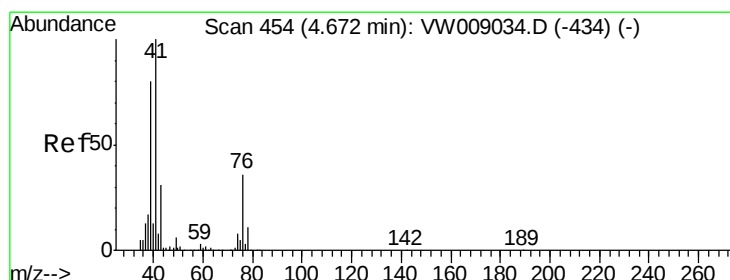
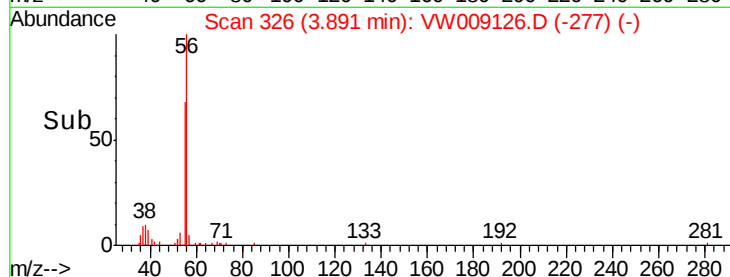
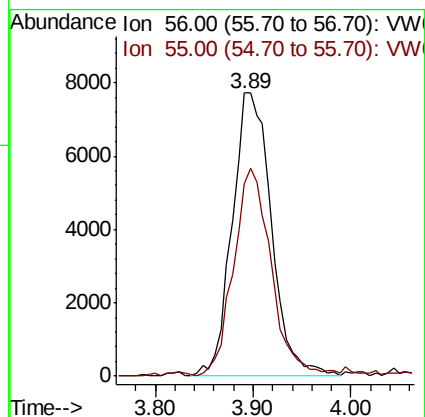
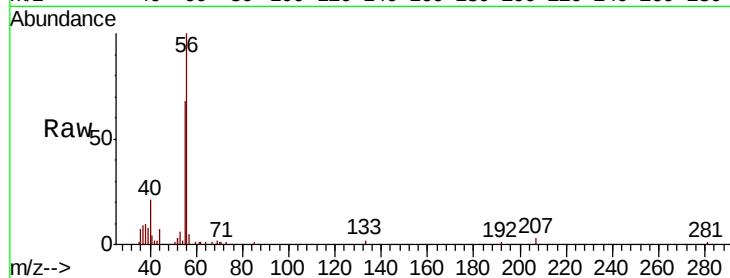
55 70.7 56.6 84.8

Manual Integrations

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#14

Allyl chloride

Concen: 19.033 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

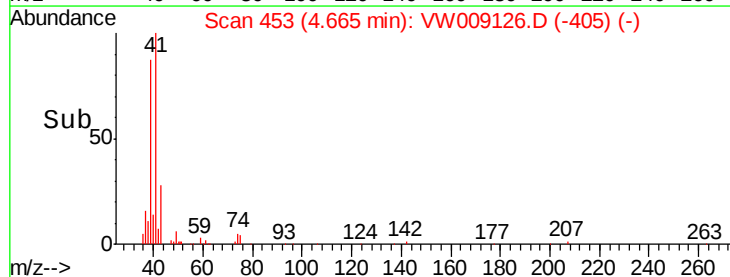
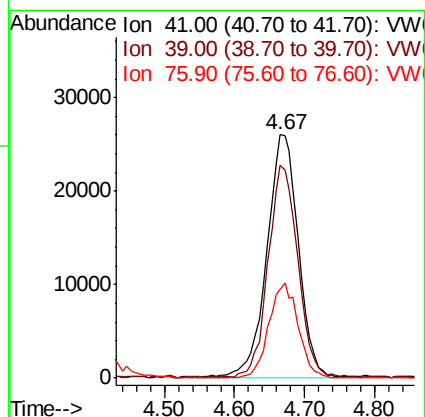
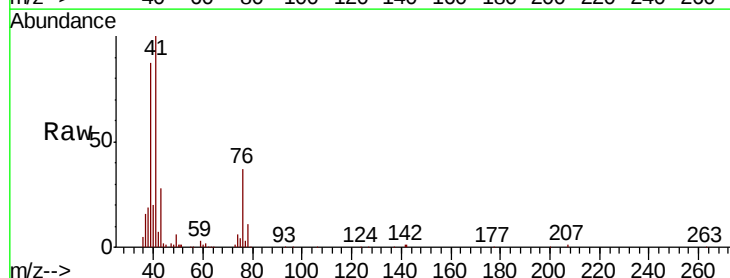
Tgt Ion: 41 Resp: 82159

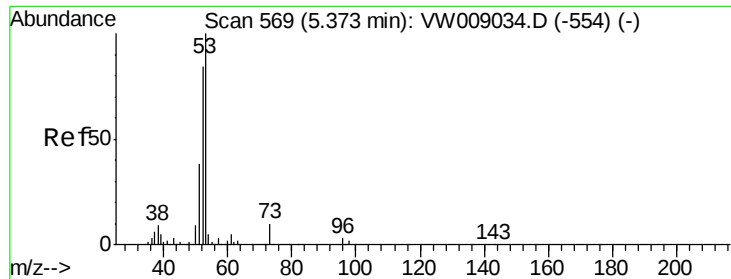
Ion Ratio Lower Upper

41 100

39 82.2 63.0 94.4

76 36.2 28.2 42.2





#15

Acrylonitrile

Concen: 97.893 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

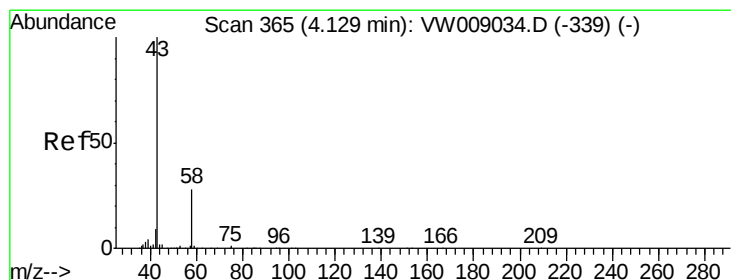
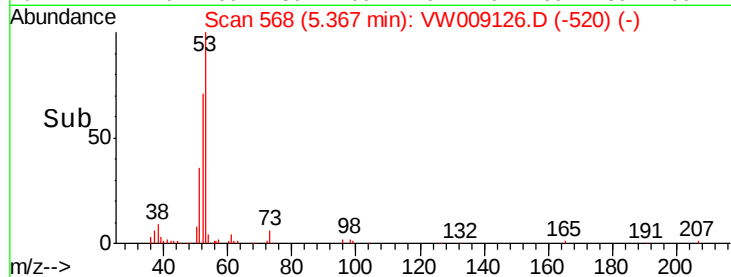
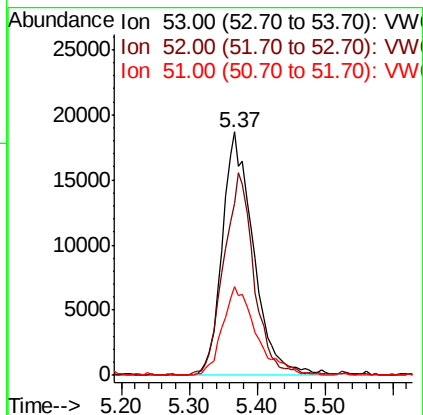
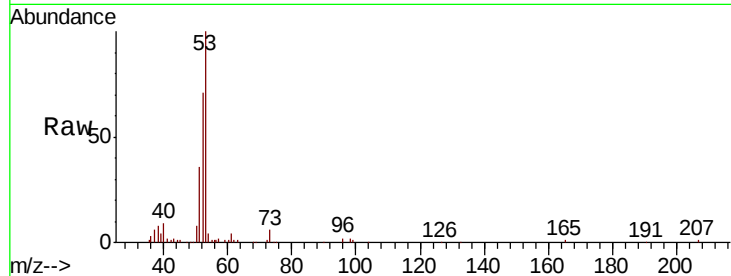
ClientSampleId :

VW0312SBS01

Tot Ion:	53	Resp:	59508
Ion	Ratio	Lower	Upper
53	100		
52	80.2	67.2	100.8
51	39.6	31.8	47.6

Manual Integrations
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#16

Acetone

Concen: 103.315 ug/l

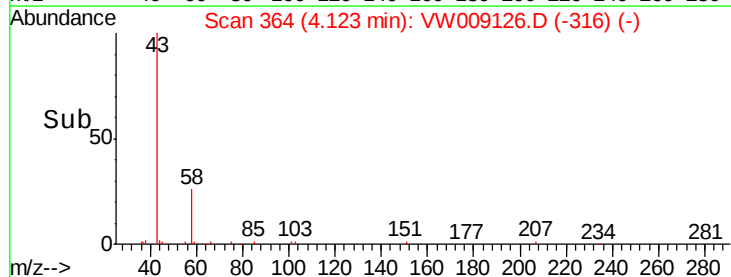
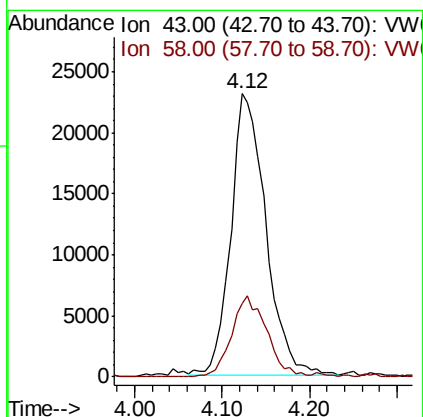
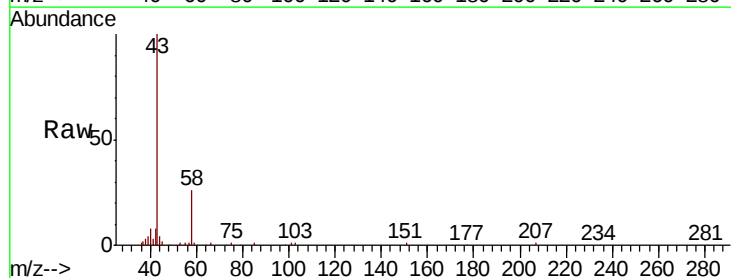
RT: 4.12 min Scan# 364

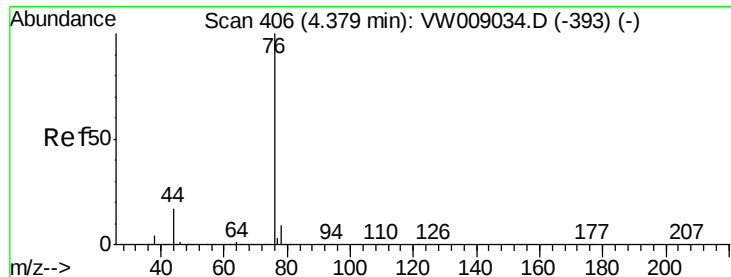
Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	43	Resp:	63869
Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.5	33.7





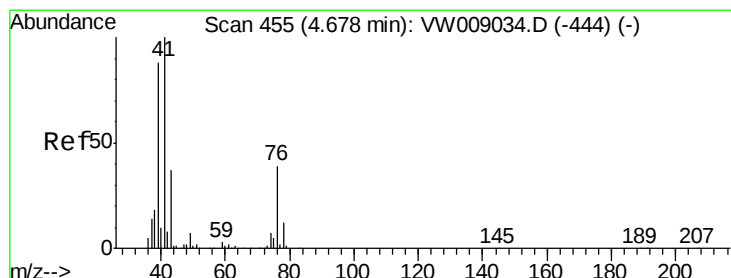
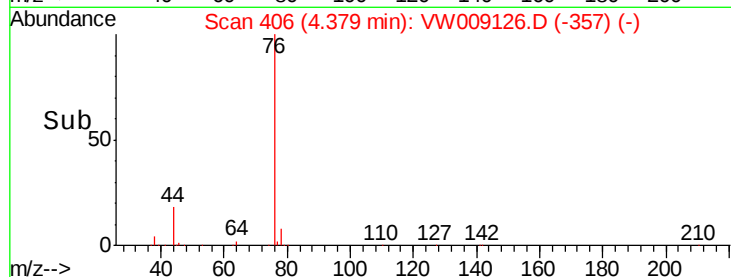
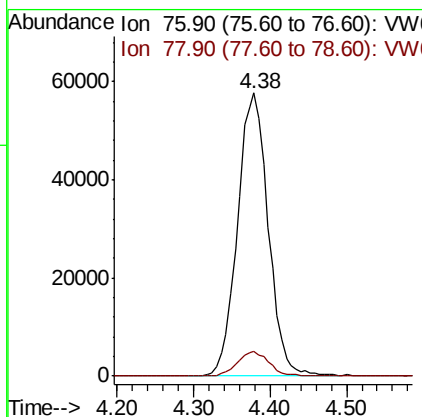
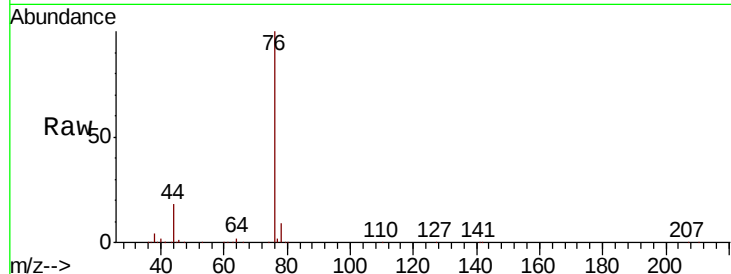
#17
Carbon Disulfide
Concen: 19.547 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

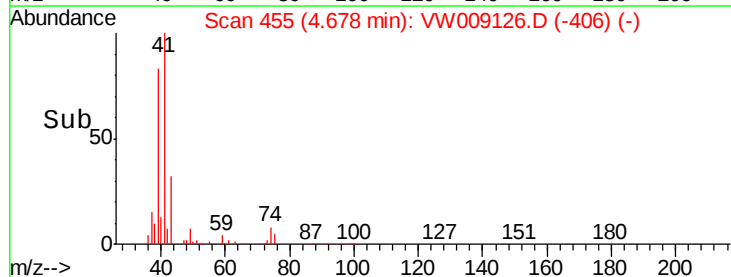
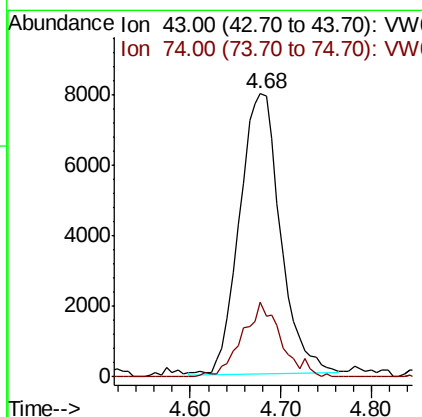
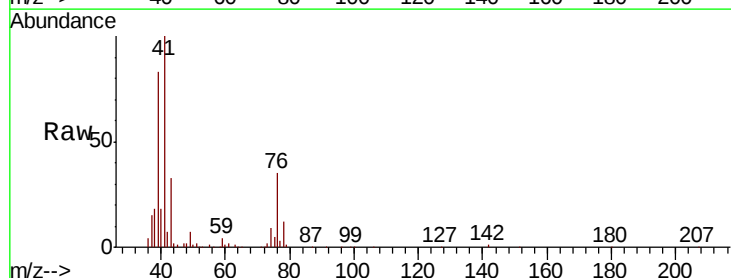
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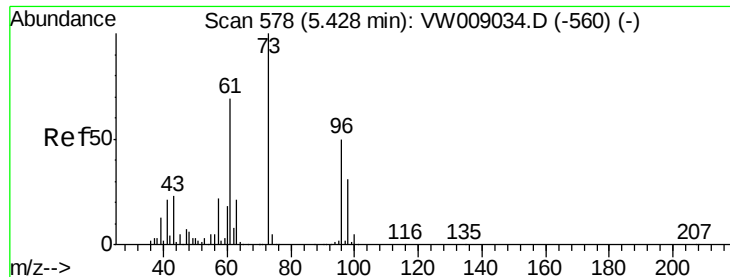
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#18
Methyl Acetate
Concen: 17.476 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	17.6	26.4





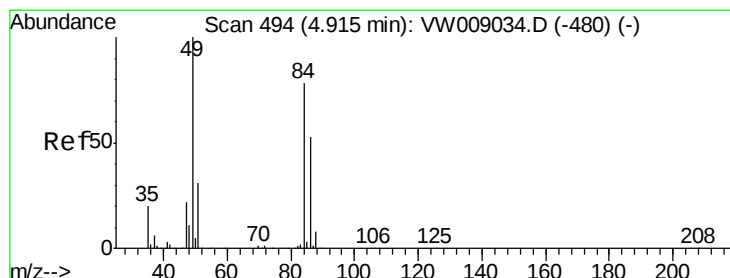
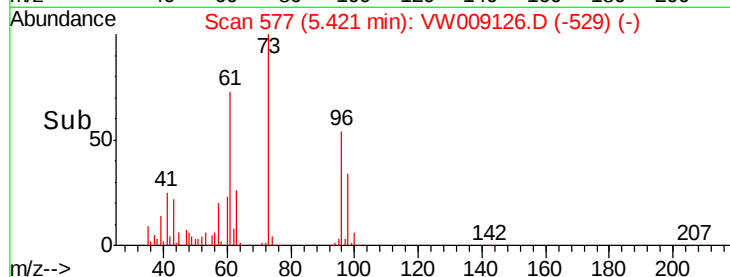
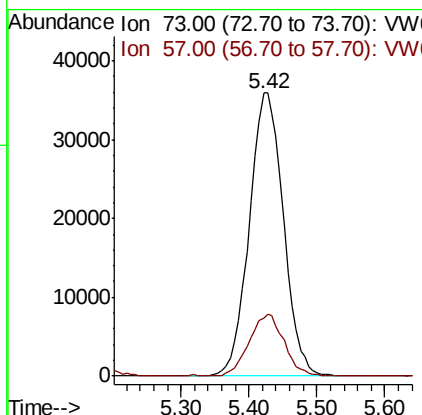
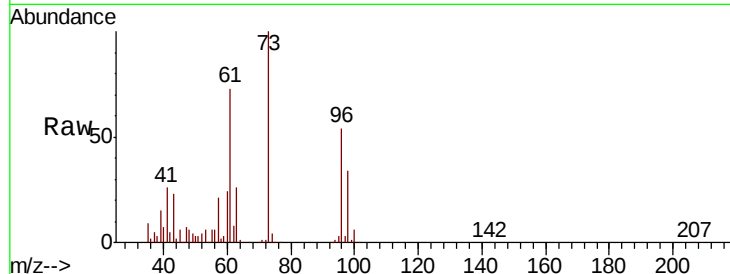
#19
Methyl tert-butyl Ether
Concen: 19.386 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion: 73 Resp: 125495
Ion Ratio Lower Upper
73 100
57 20.7 17.3 25.9

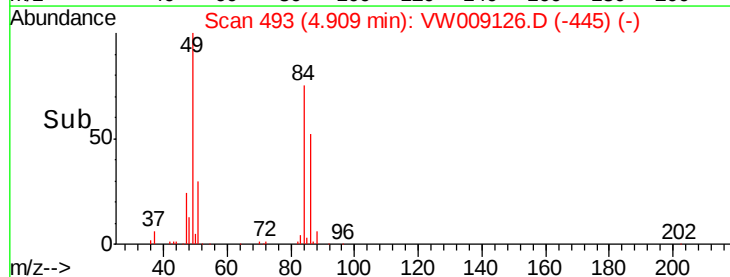
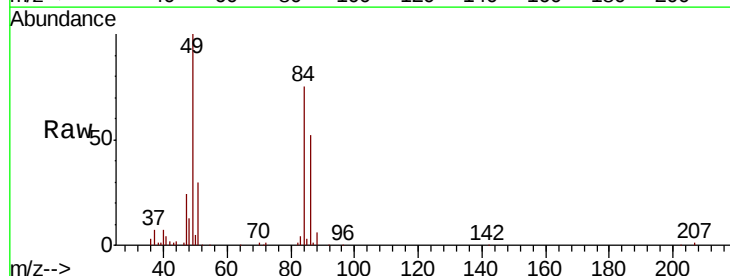
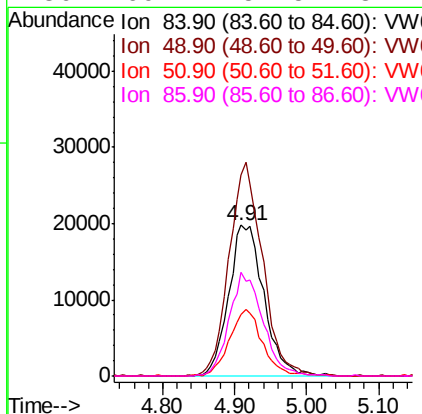
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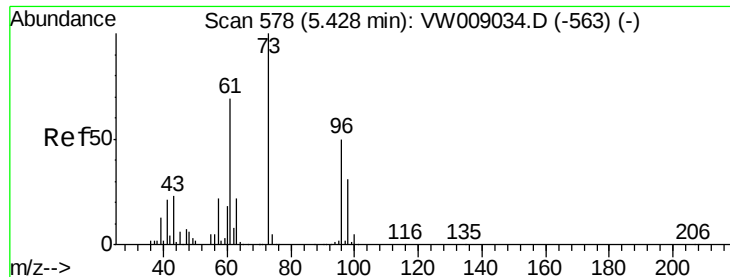
MMDadoda
3/20/2019 9:38:16 AM



#20
Methylene Chloride
Concen: 19.790 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion: 84 Resp: 67085
Ion Ratio Lower Upper
84 100
49 133.0 102.4 153.6
51 40.5 31.6 47.4
86 69.1 54.5 81.7





#21

trans-1,2-Dichloroethene

Concen: 19.620 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 96 Resp: 55440

Ion Ratio Lower Upper

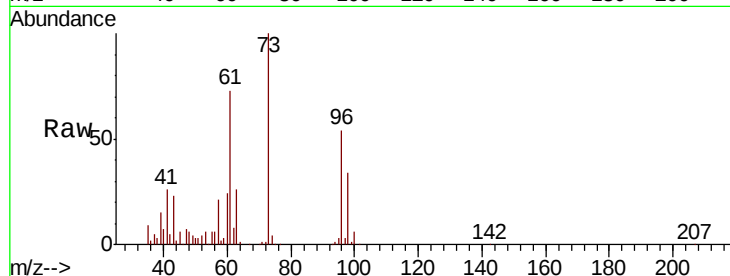
96 100

61 135.8 111.0 166.6

98 63.3 49.4 74.0

Manual Integrations
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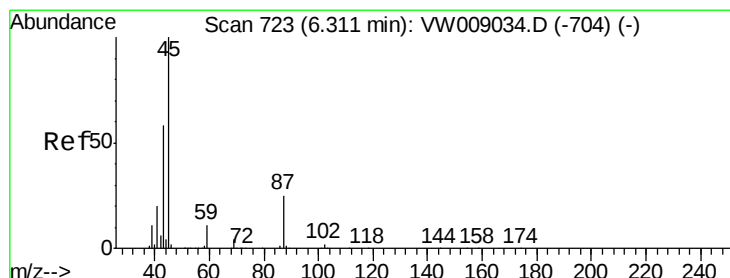
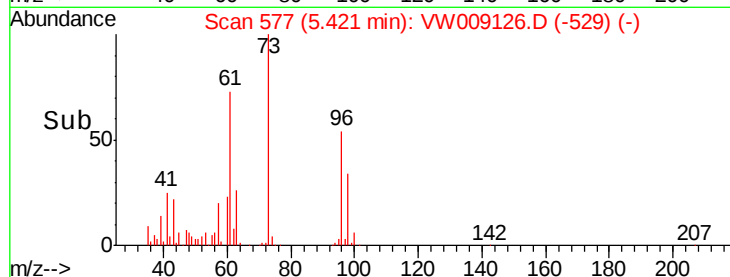
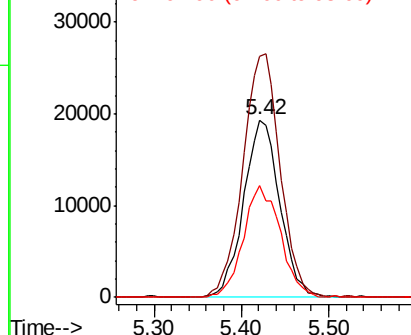


Abundance

Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 19.838 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion: 45 Resp: 170180

Ion Ratio Lower Upper

45 100

43 60.2 46.2 69.4

87 28.2 20.1 30.1

59 10.9 8.4 12.6

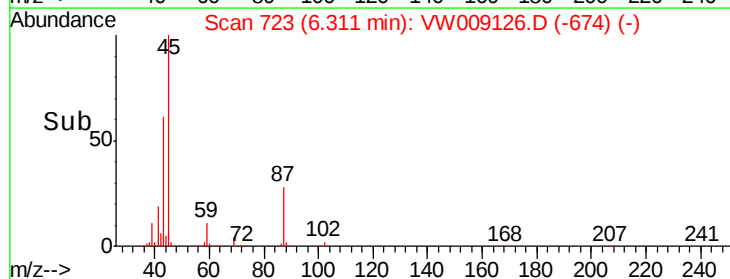
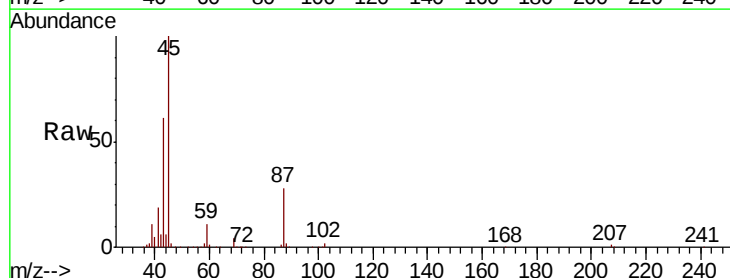
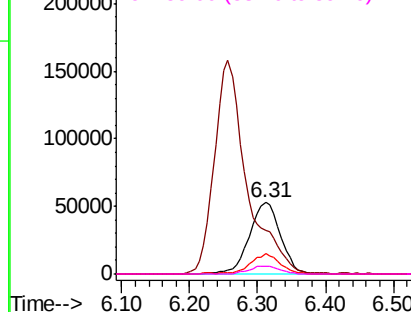
Abundance

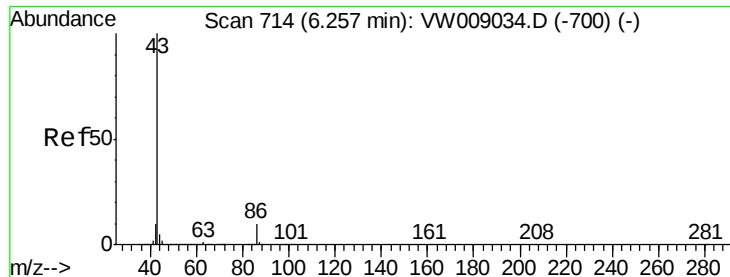
Ion 45.00 (44.70 to 45.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 87.00 (86.70 to 87.70): VW

Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 98.543 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 526050

Ion Ratio Lower Upper

43 100

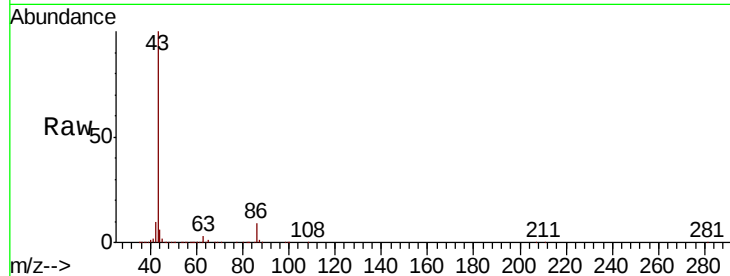
86 9.1 7.6 11.4

Manual Integrations

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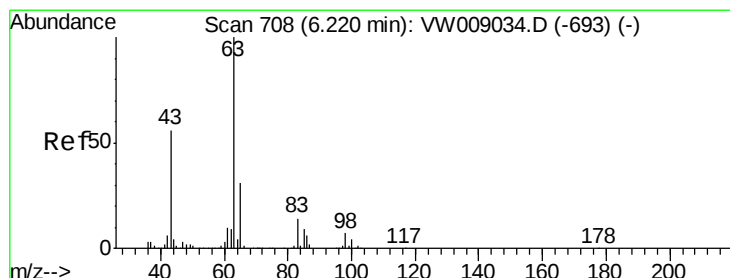
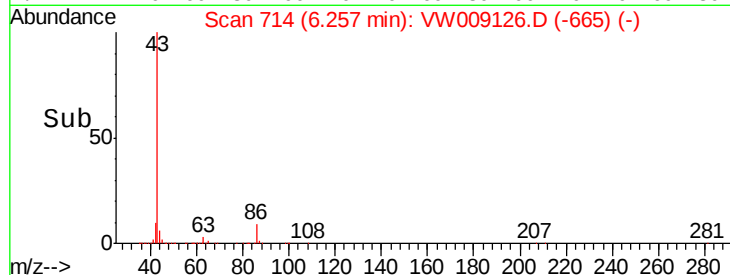
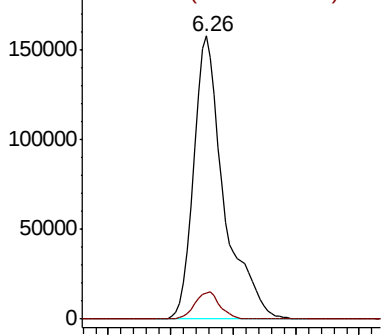
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 19.794 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

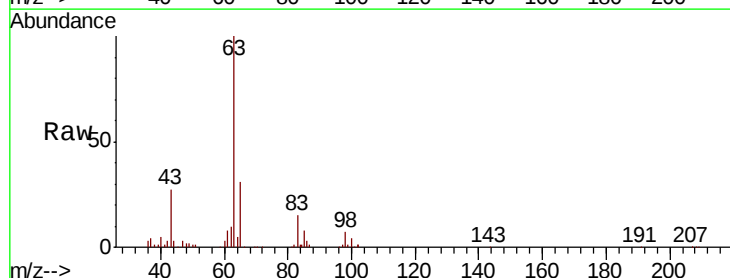
Tgt Ion: 63 Resp: 98489

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

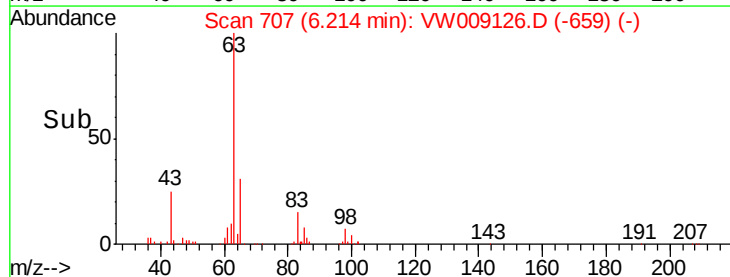
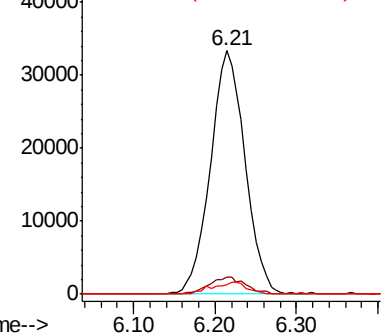
100 4.1 2.1 6.2

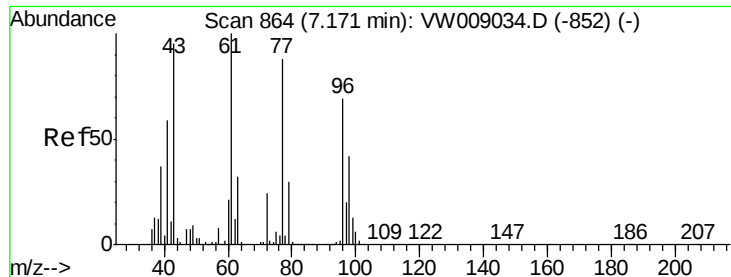


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 98.178 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 83880

Ion Ratio Lower Upper

43 100

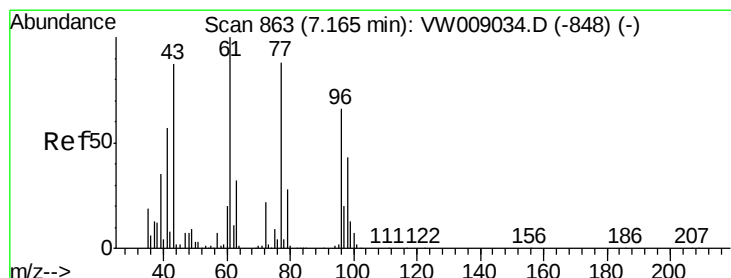
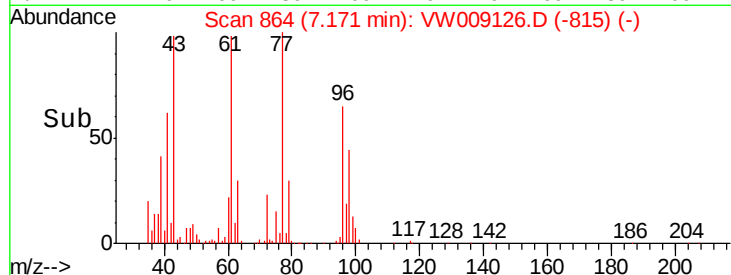
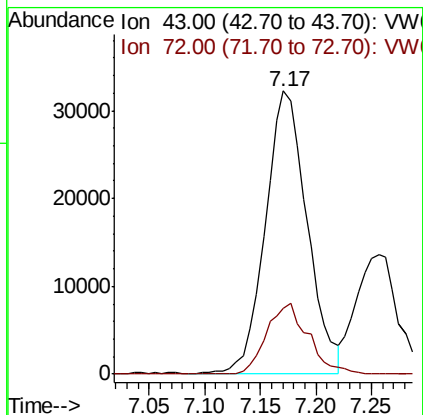
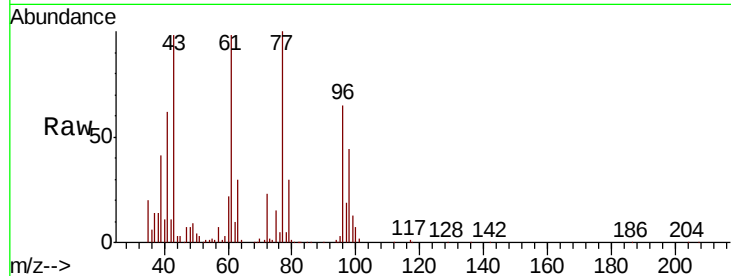
72 23.5 20.0 30.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.697 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW009126.D

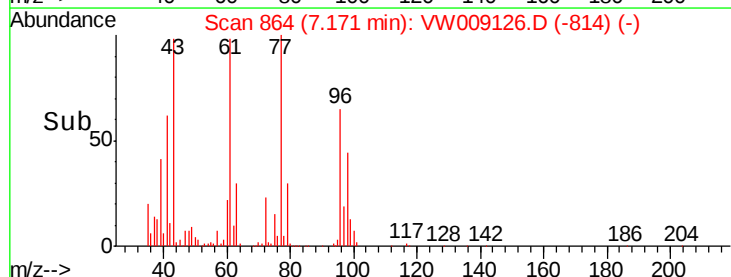
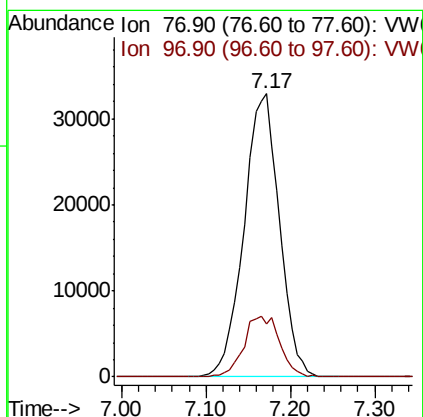
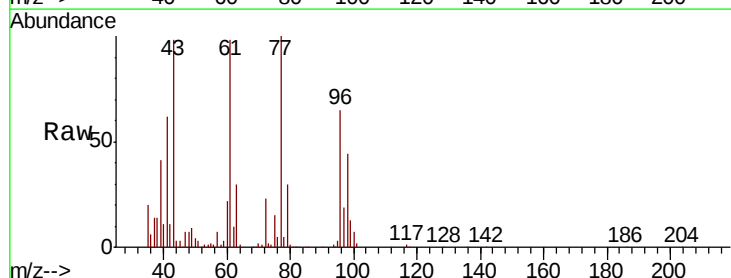
Acq: 12 Mar 2019 16:18

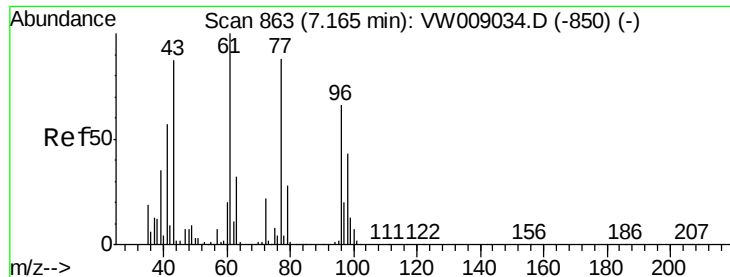
Tgt Ion: 77 Resp: 93609

Ion Ratio Lower Upper

77 100

97 21.7 10.9 32.9





#27

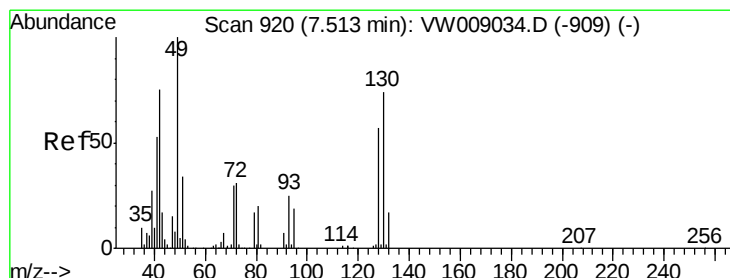
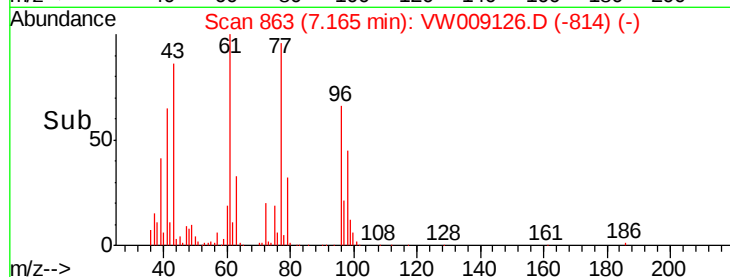
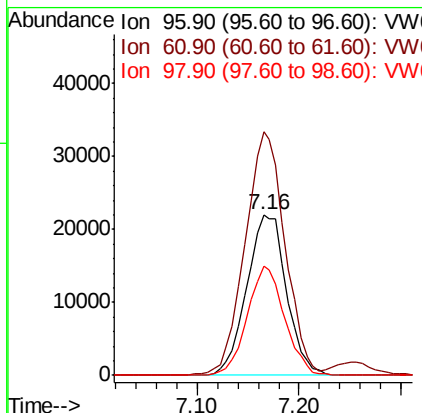
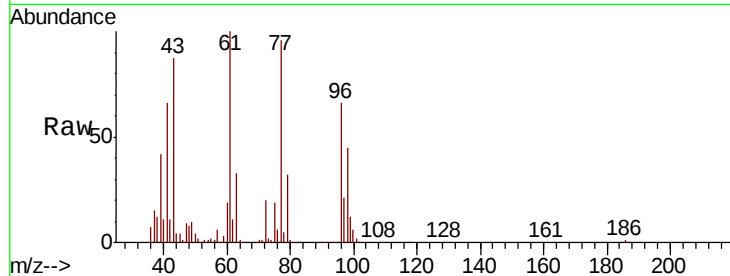
cis-1,2-Dichloroethene
Concen: 19.593 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		59460		
61	152.4	0.0	299.8		
98	64.3	0.0	127.2		

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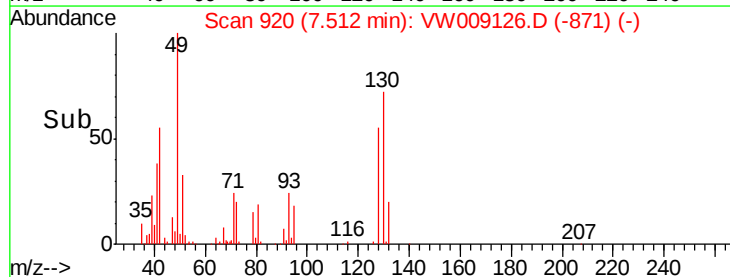
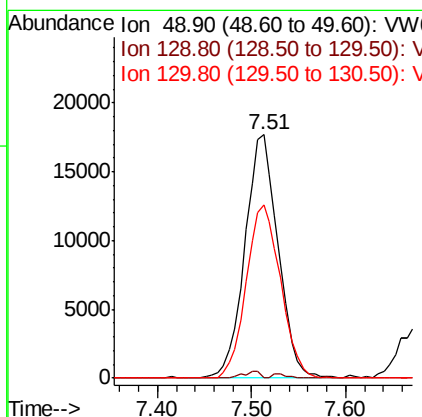
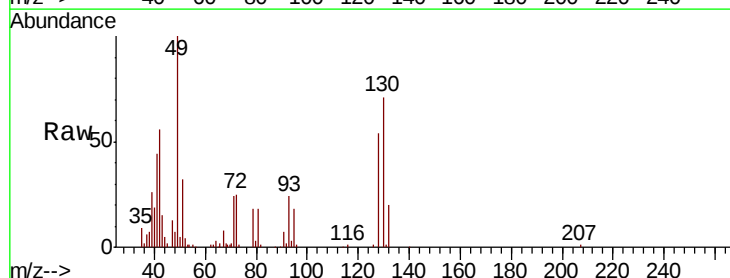
MMDadoda
3/20/2019 9:38:16 AM

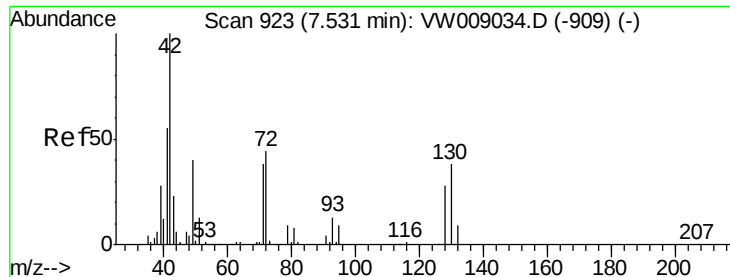


#28

Bromochloromethane
Concen: 21.141 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		43754		
129	1.3	0.0	4.6		
130	73.2	60.4	90.6		





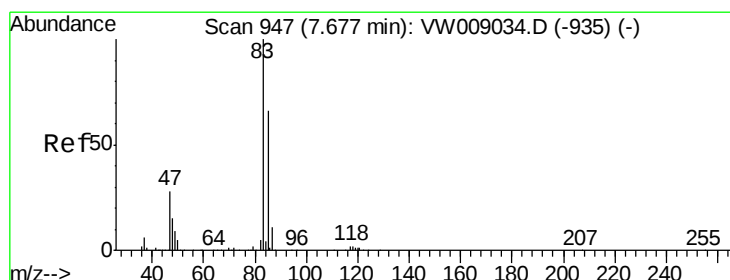
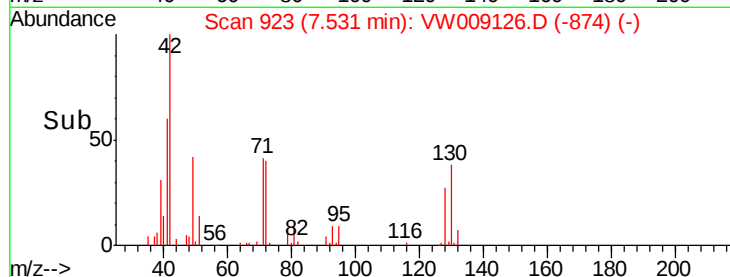
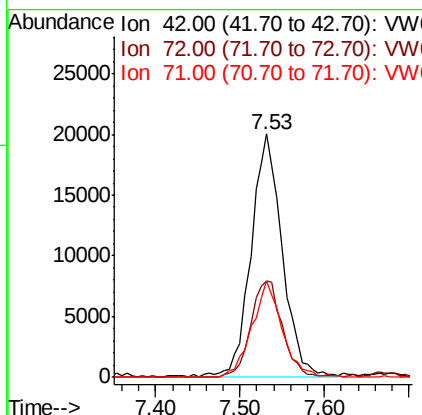
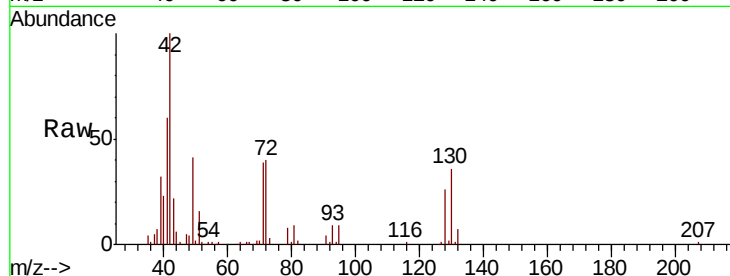
#29
Tetrahydrofuran
Concen: 93.150 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.7	32.2	48.4
71	38.9	30.7	46.1

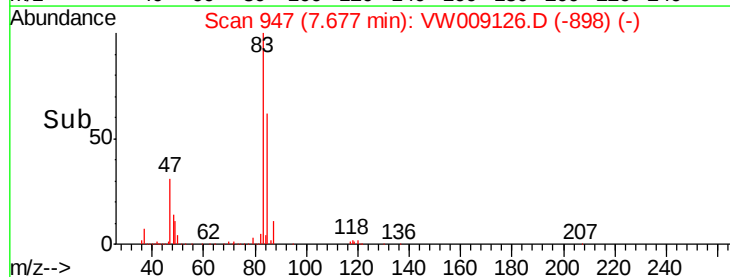
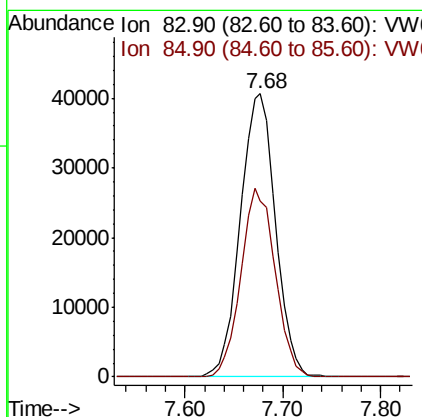
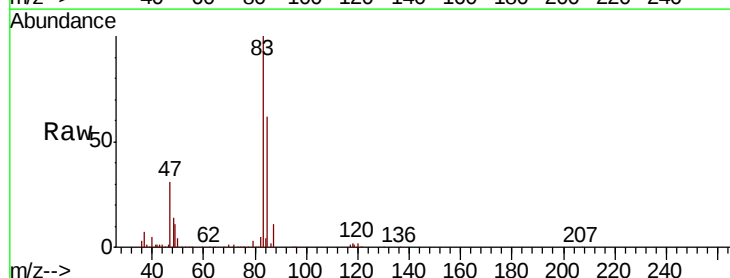
Manual Integrations
APPROVED

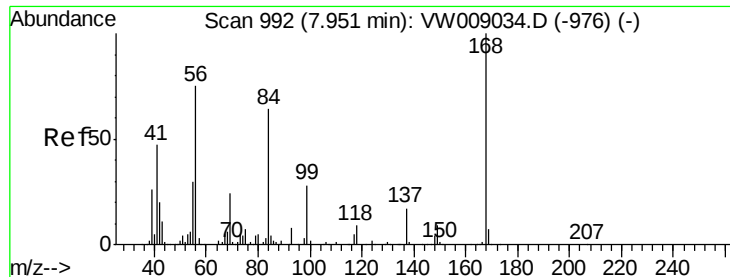
MMDadoda
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#30
Chloroform
Concen: 19.795 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	53.0	79.6





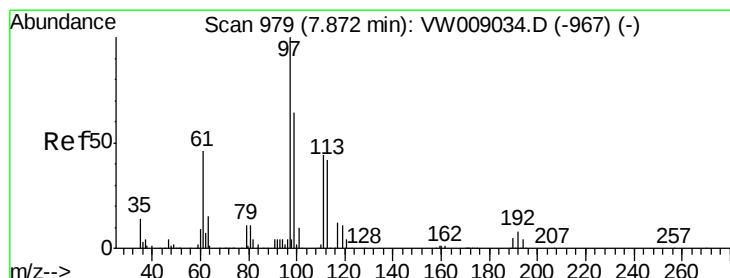
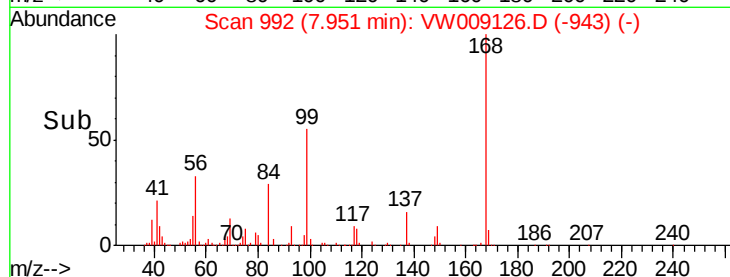
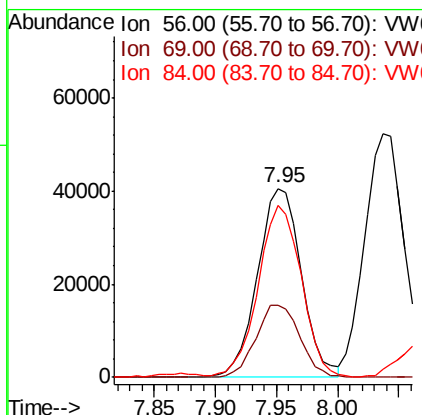
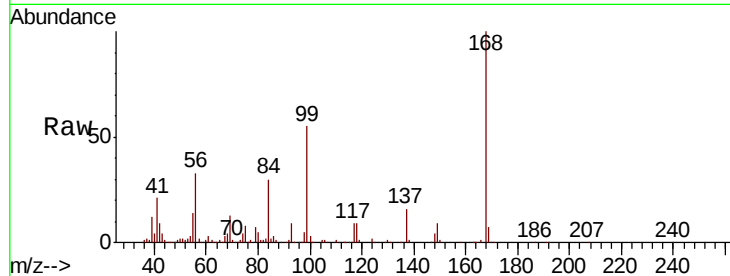
#31
Cyclohexane
Concen: 19.900 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	25.5	38.3
84	89.0	68.6	103.0

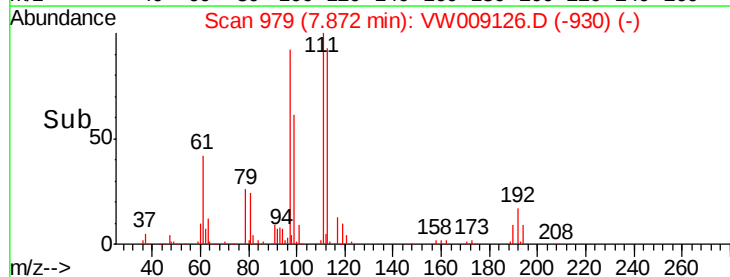
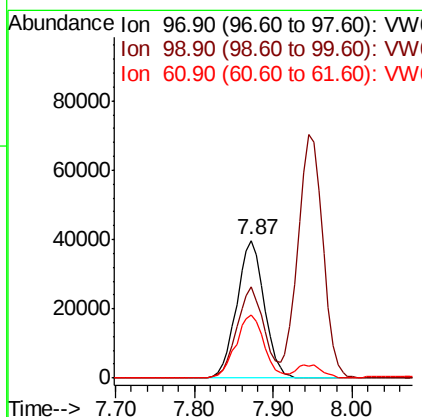
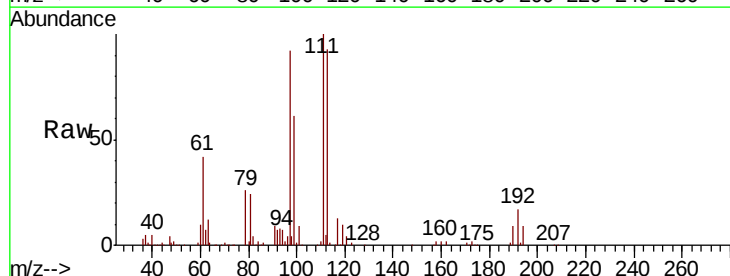
Manual Integrations
APPROVED

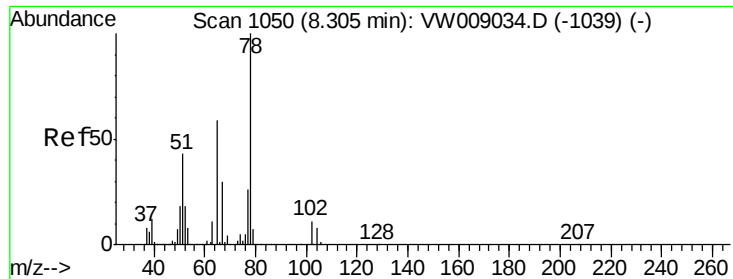
MMDadoda
3/20/2019 9:38:16 AM



#32
1,1,1-Trichloroethane
Concen: 20.400 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.8
61	47.0	37.3	55.9





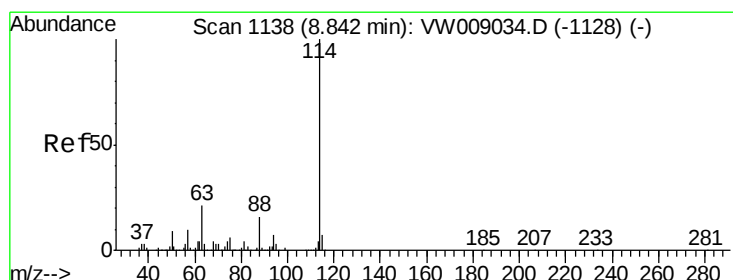
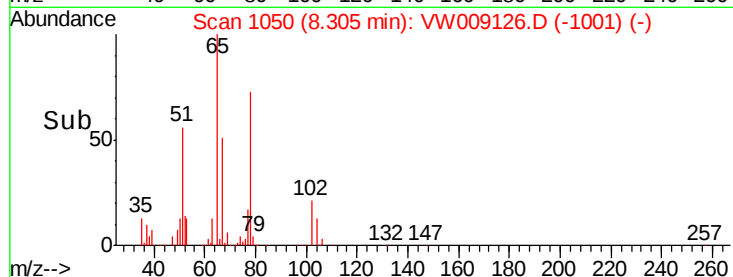
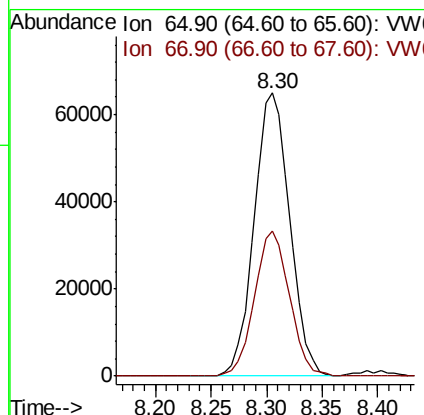
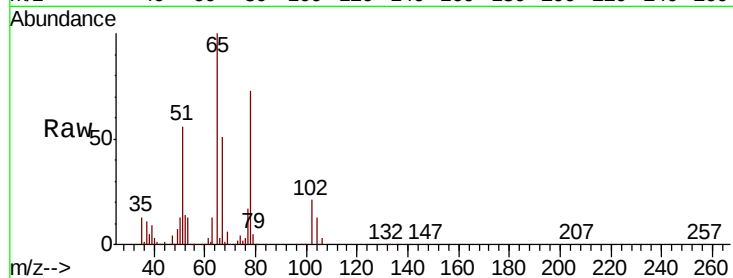
#33
 1,2-Dichloroethane-d4
 Concen: 52.868 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.3	0.0	103.0	

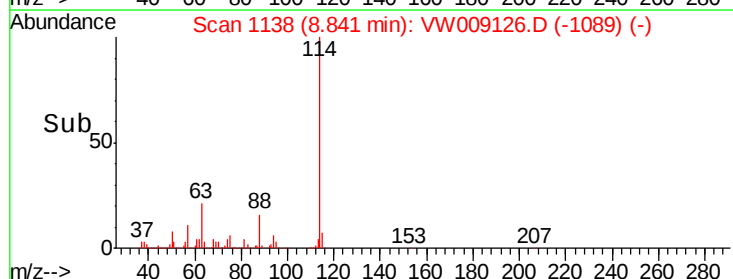
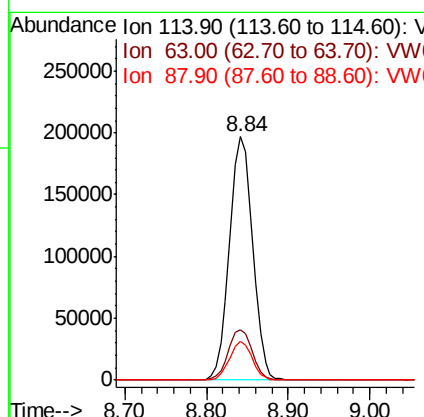
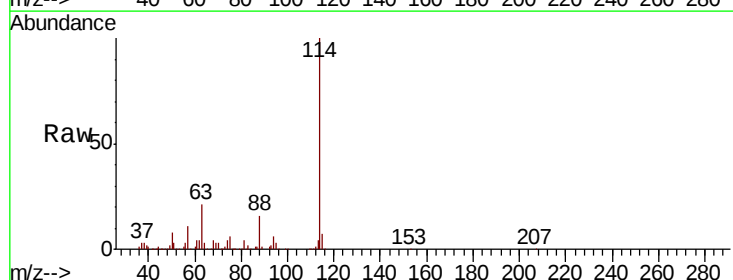
Manual Integrations
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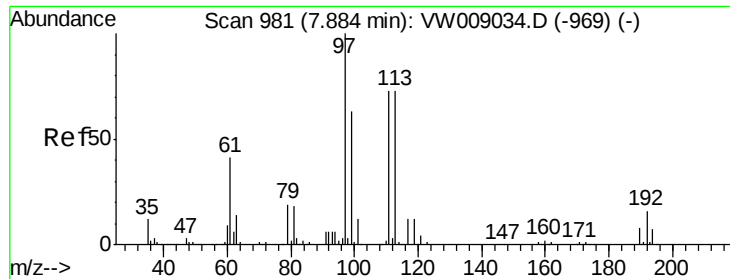
MMDadoda
 3/20/2019 9:38:16 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.8	0.0	41.2	
88	15.9	0.0	31.2	





#35

Dibromofluoromethane

Concen: 54.500 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

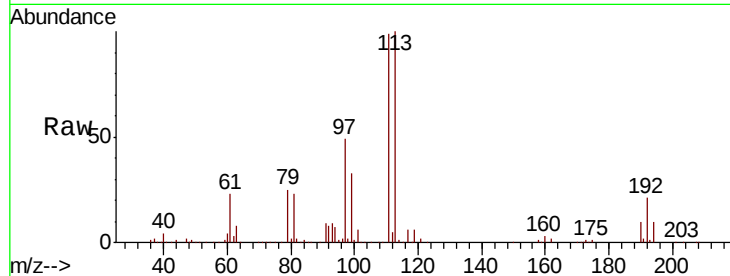
ClientSampleId :

VW0312SBS01

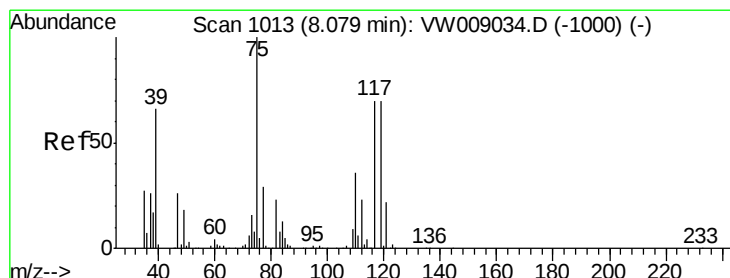
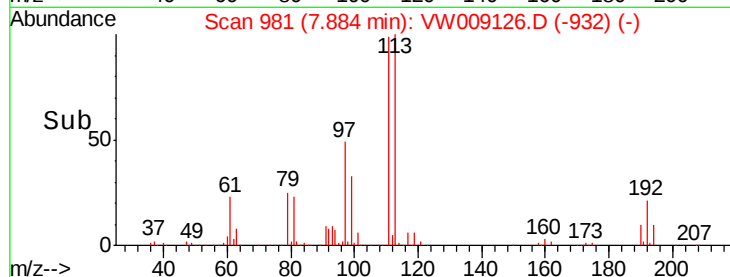
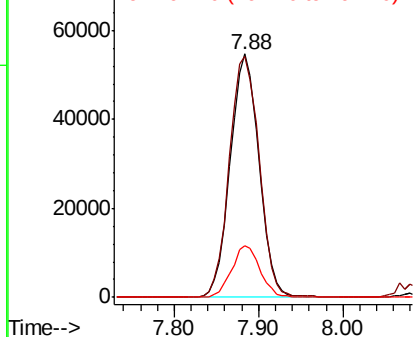
Tot Ion:	113	Resp:	126579
Ion Ratio	Lower	Upper	
113	100		
111	102.8	81.0	121.4
192	20.7	17.1	25.7

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 21.207 ug/l

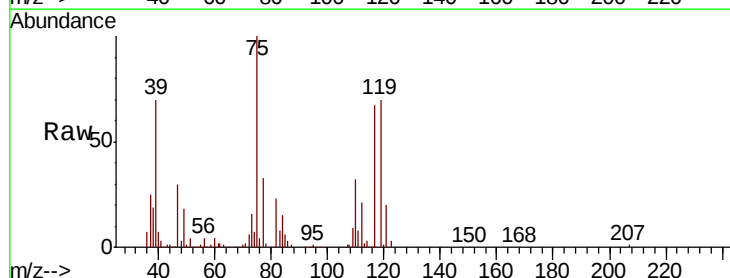
RT: 8.08 min Scan# 1013

Delta R.T. -0.00 min

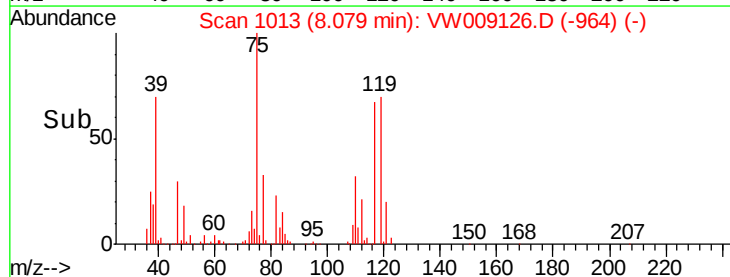
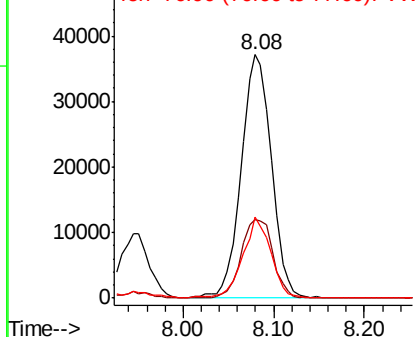
Lab File: VW009126.D

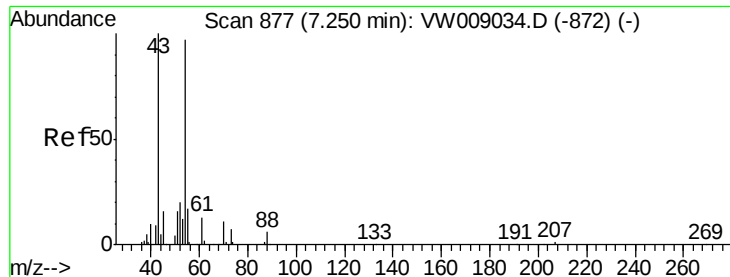
Acq: 12 Mar 2019 16:18

Tgt Ion:	75	Resp:	85538
Ion Ratio	Lower	Upper	
75	100		
110	33.9	17.6	52.9
77	31.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VW





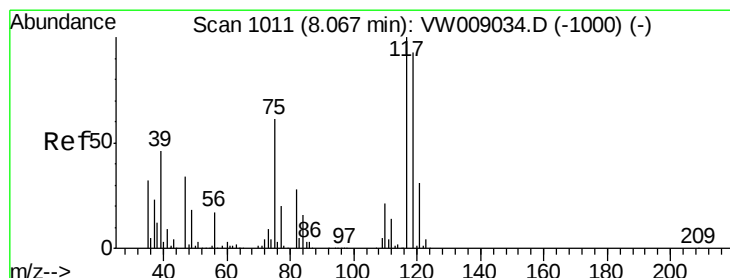
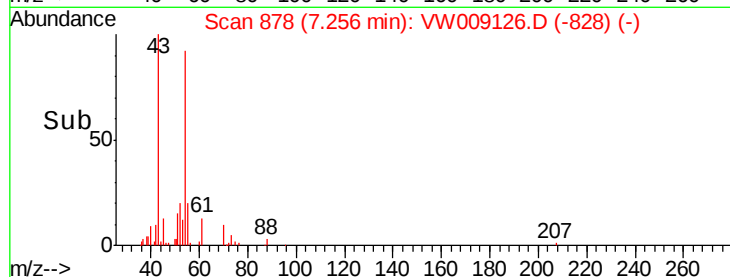
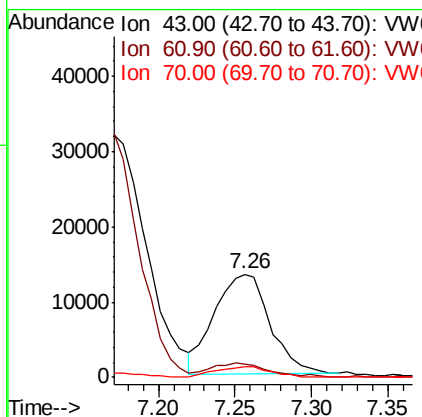
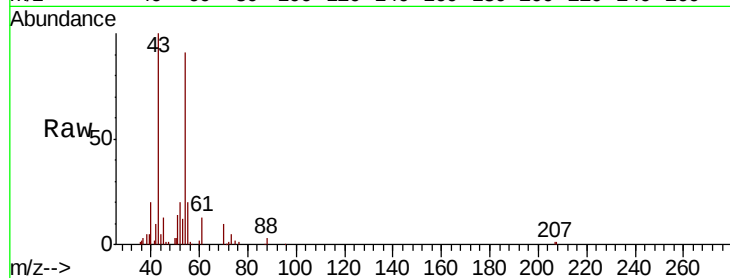
#37
Ethyl Acetate
Concen: 17.908 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	9.8	14.6#
70	10.8	7.2	10.8#

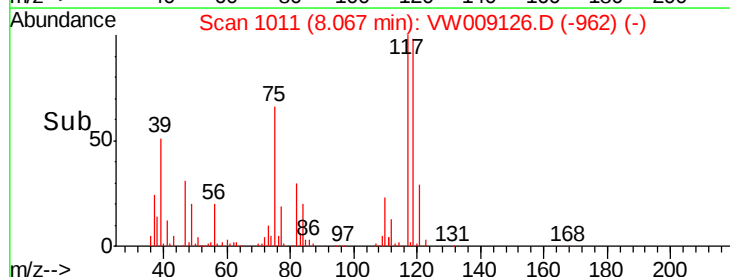
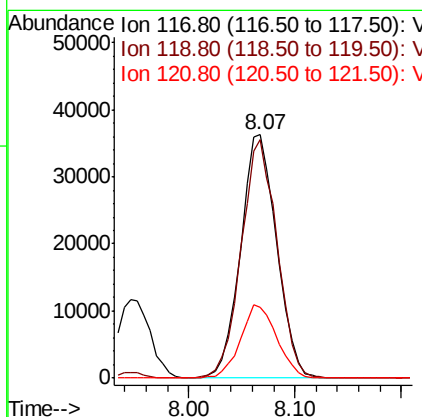
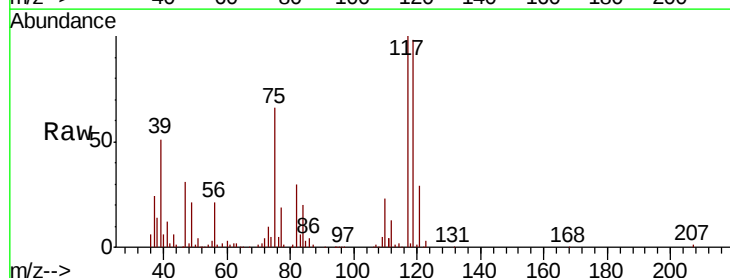
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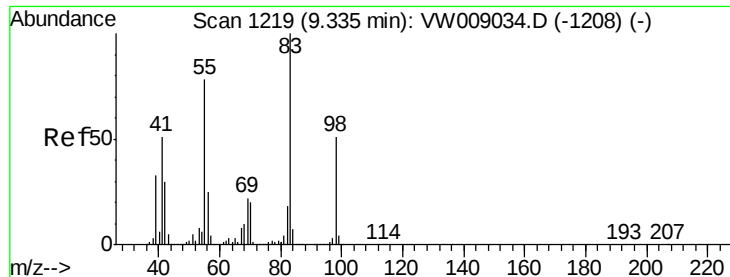
MMDadoda
3/20/2019 9:38:16 AM



#38
Carbon Tetrachloride
Concen: 20.705 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	74.6	112.0
121	28.9	24.7	37.1





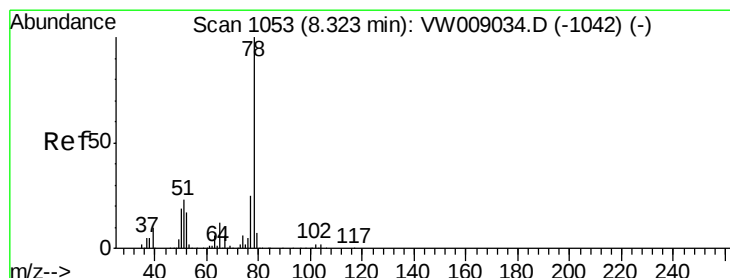
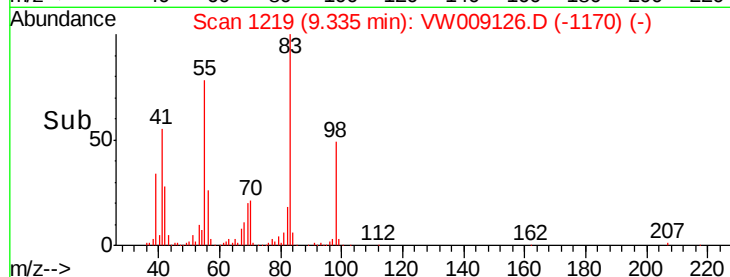
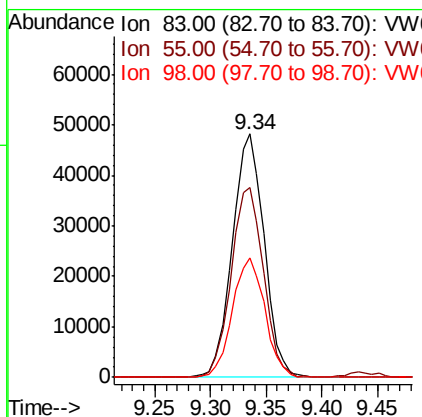
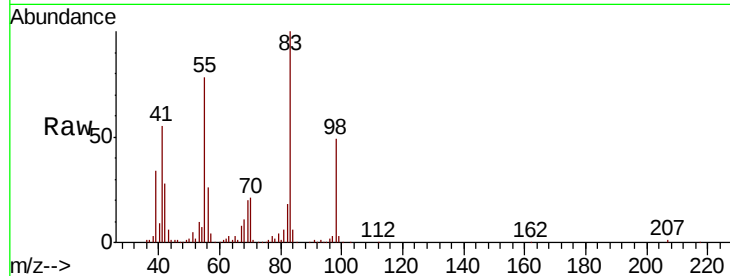
#39
Methvlcvclohexane
Concen: 19.833 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	83.00	Resp	95282
Ion	Ratio	Lower	Upper
83	100		
55	77.8	62.7	94.1
98	49.3	40.8	61.2

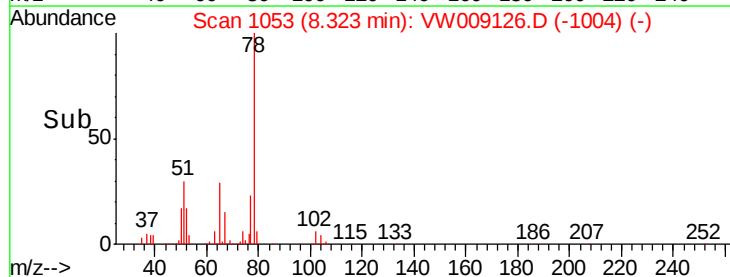
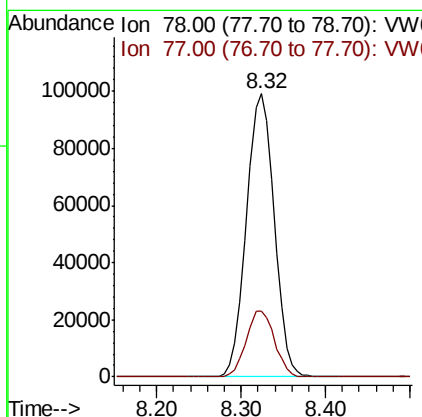
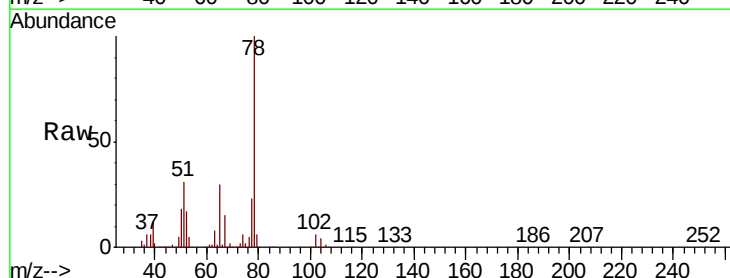
Manual Integrations
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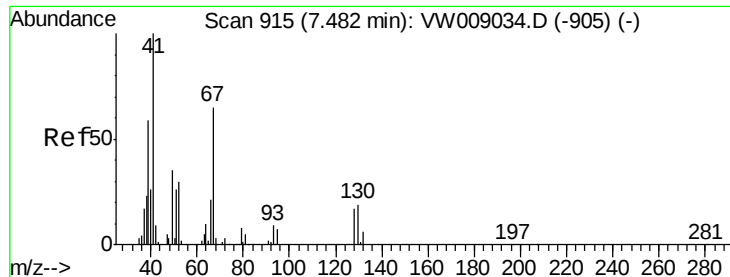
MMDadoda
3/20/2019 9:38:16 AM



#40
Benzene
Concen: 20.503 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	78.00	Resp	220763
Ion	Ratio	Lower	Upper
78	100		
77	23.4	20.2	30.4





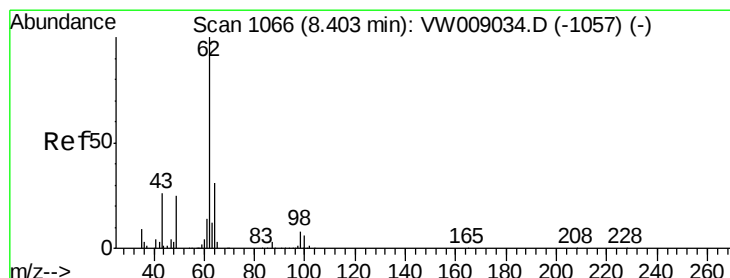
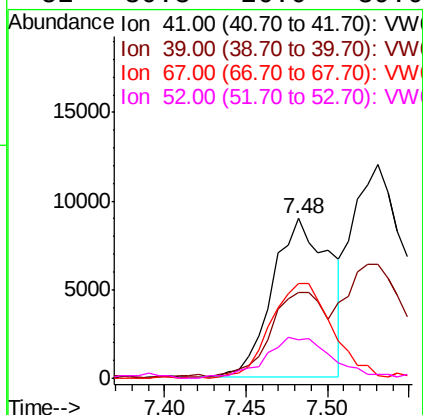
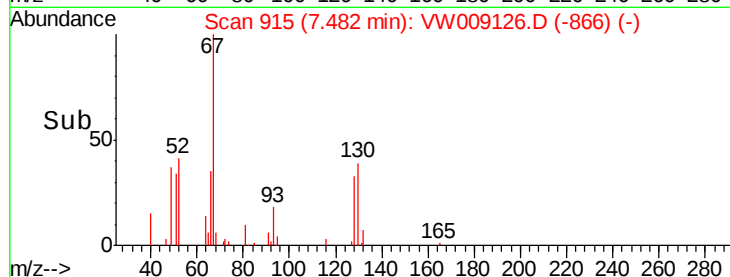
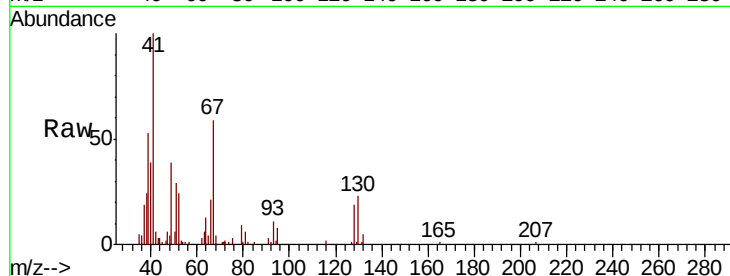
#41
Methacrylonitrile
Concen: 20.890 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.8	53.6	80.4#
67	63.7	57.6	86.4
52	30.3	26.0	39.0

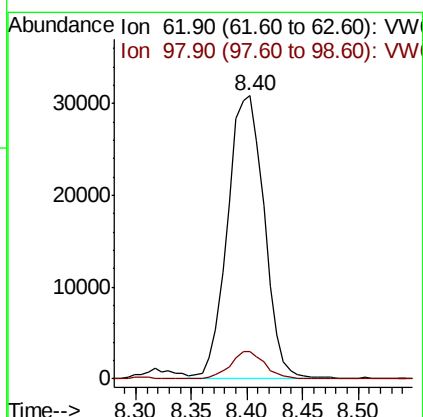
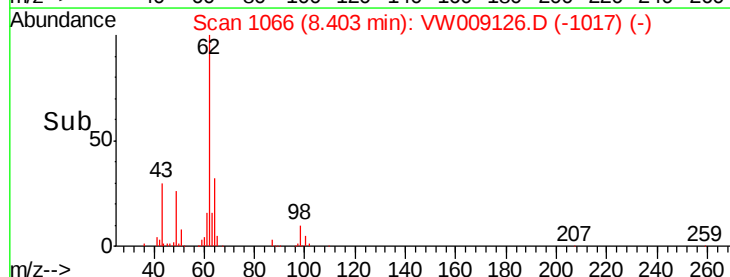
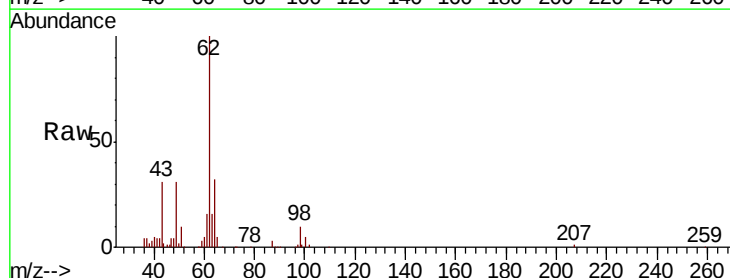
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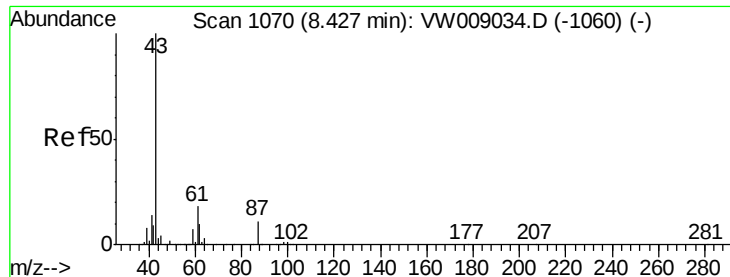
MMDadoda
3/20/2019 9:38:16 AM



#42
1,2-Dichloroethane
Concen: 20.306 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.521 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

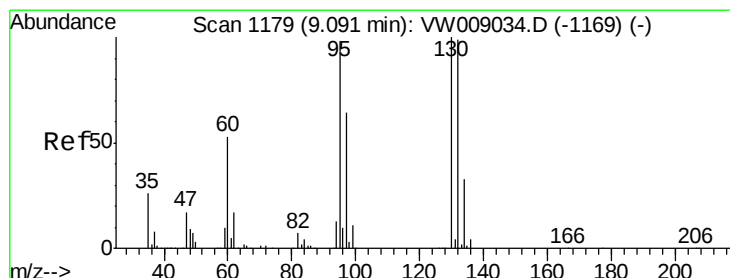
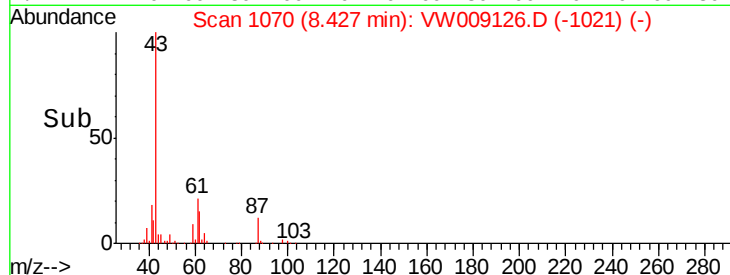
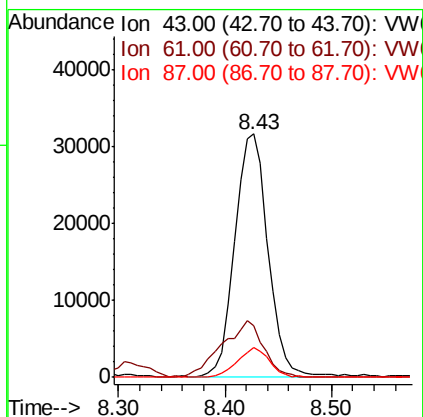
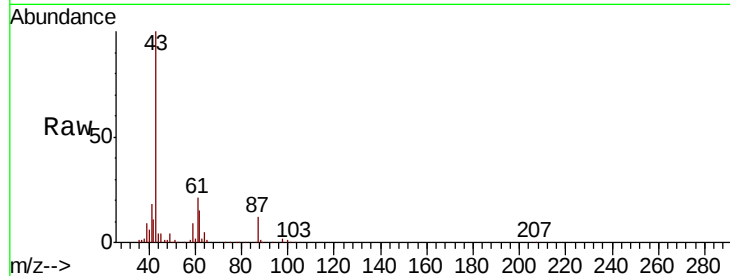
ClientSampleId :

VW0312SBS01

Tot Ion:	43	Resp:	68881
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.8	34.2
87	11.8	9.4	14.2

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#44

Trichloroethene

Concen: 20.088 ug/l

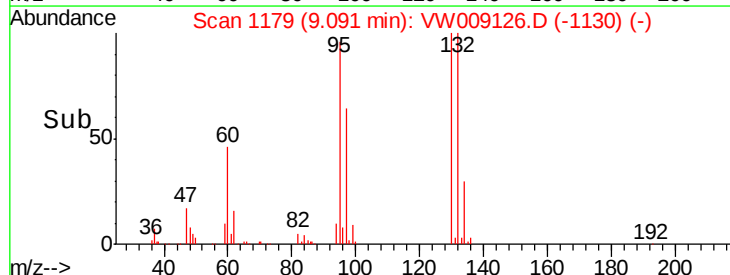
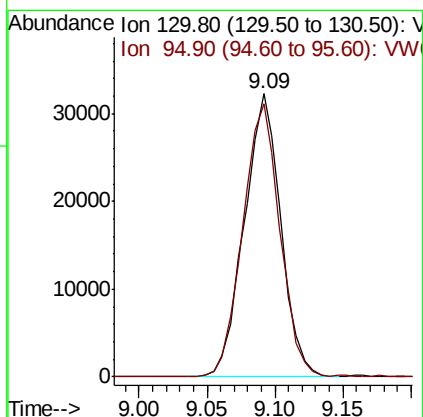
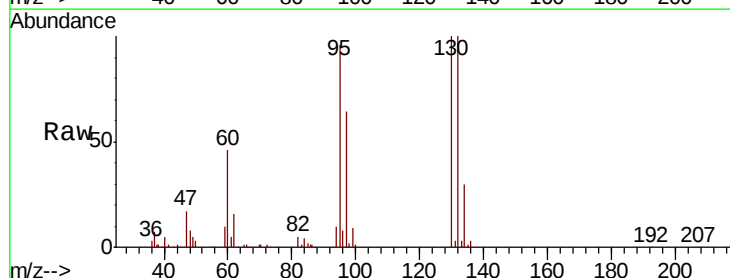
RT: 9.09 min Scan# 1179

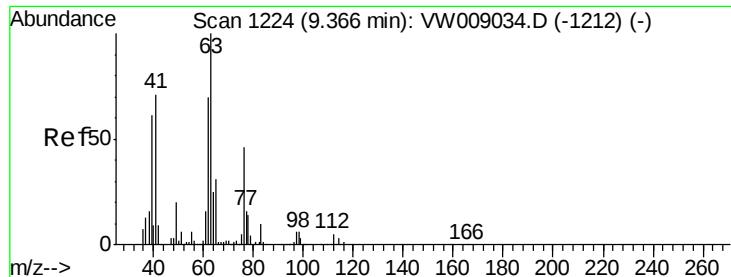
Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	130	Resp:	60620
Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	197.0





#45

1,2-Dichloropropane

Concen: 20.121 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 63 Resp: 54259

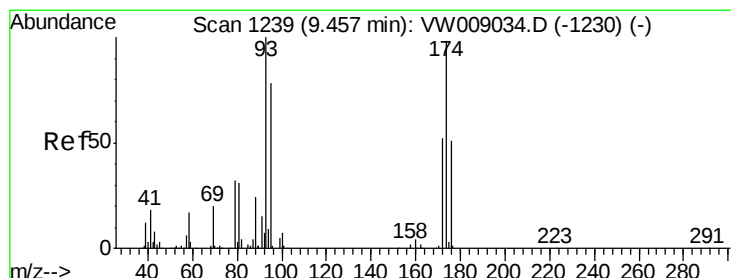
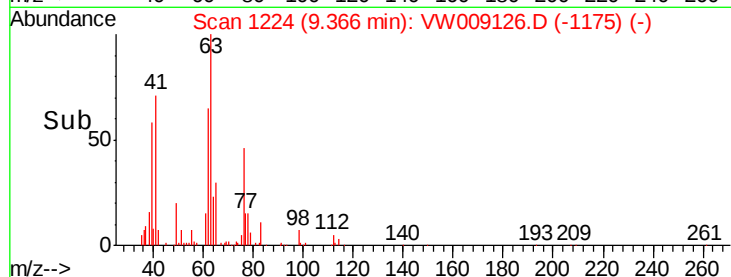
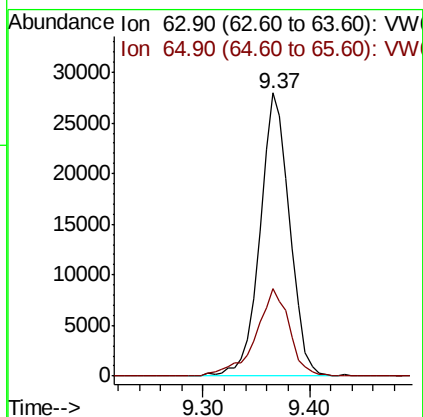
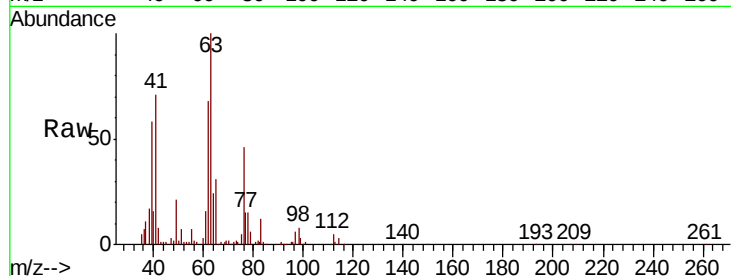
Ion Ratio Lower Upper

63 100

65 30.8 24.9 37.3

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#46

Dibromomethane

Concen: 20.074 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

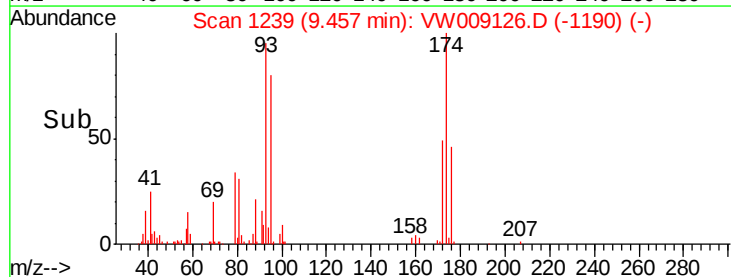
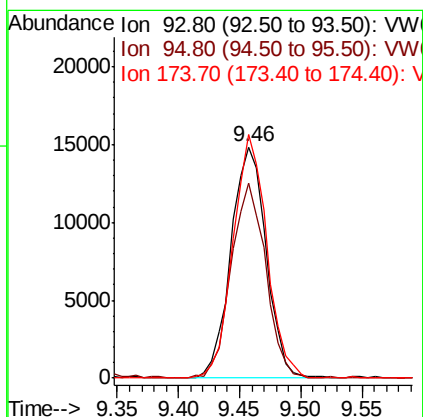
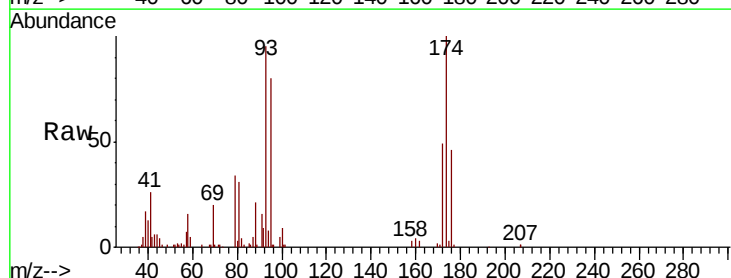
Tgt Ion: 93 Resp: 29564

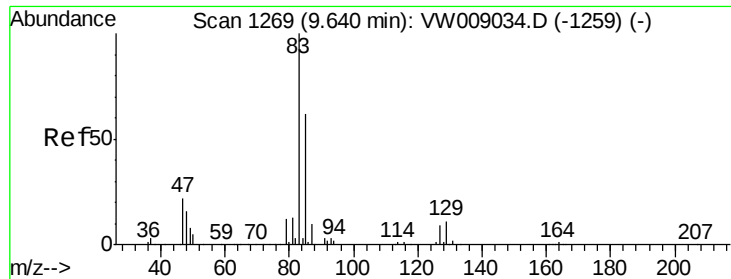
Ion Ratio Lower Upper

93 100

95 82.8 65.0 97.6

174 101.1 81.8 122.6





#47

Bromodichloromethane

Concen: 20.523 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

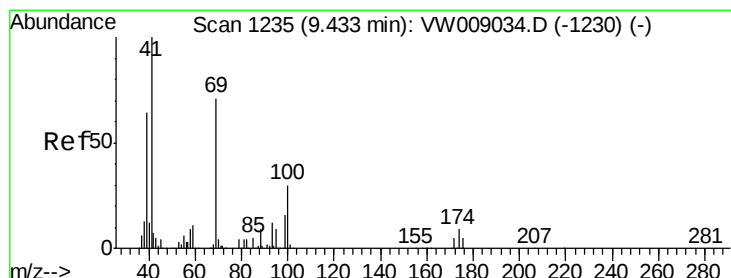
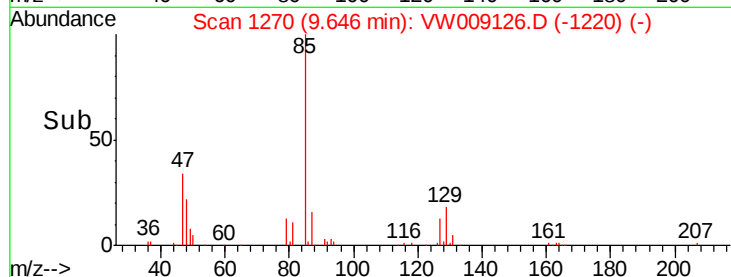
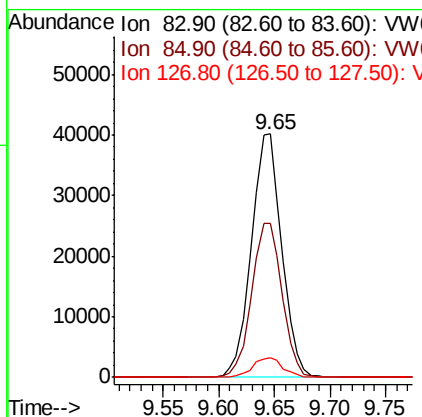
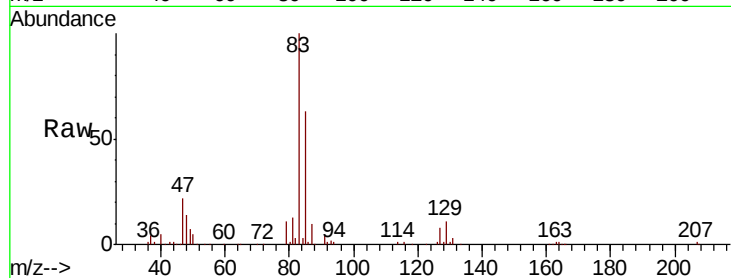
ClientSampleId :

VW0312SBS01

Tot Ion:	83	Resp:	76512
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.9	74.9
127	8.1	7.1	10.7

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#48

Methyl methacrylate

Concen: 18.696 ug/l

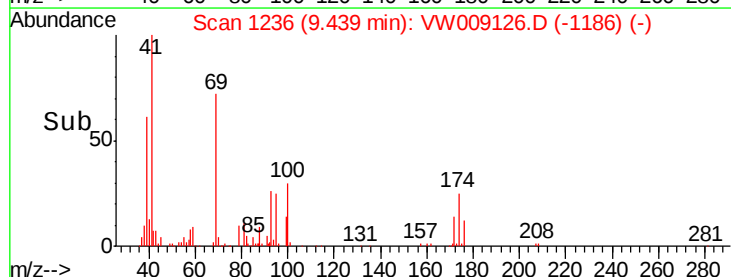
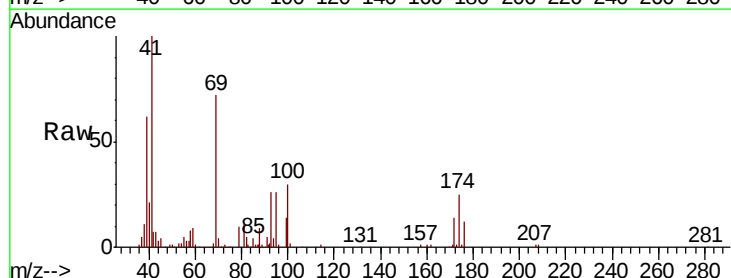
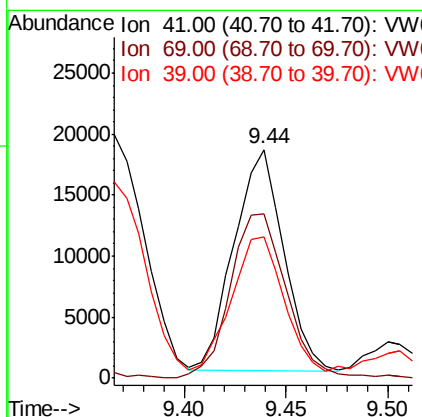
RT: 9.44 min Scan# 1236

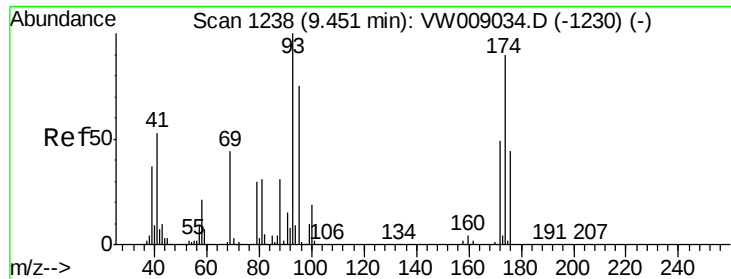
Delta R.T. 0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	41	Resp:	30718
Ion	Ratio	Lower	Upper
41	100		
69	83.7	59.1	88.7
39	64.1	48.9	73.3





#49

1,4-Dioxane

Concen: 377.813 ug/l

RT: 9.45 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

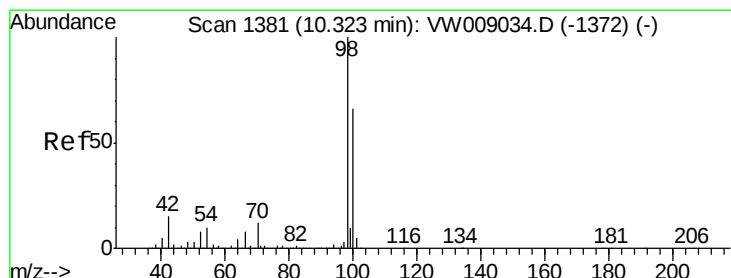
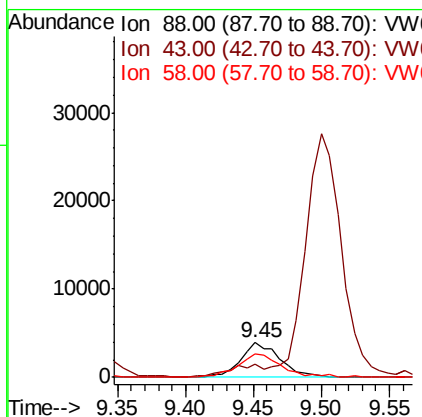
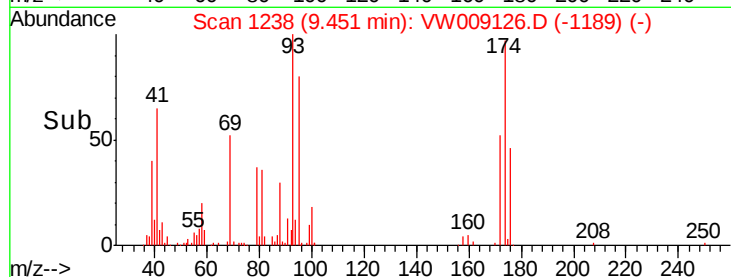
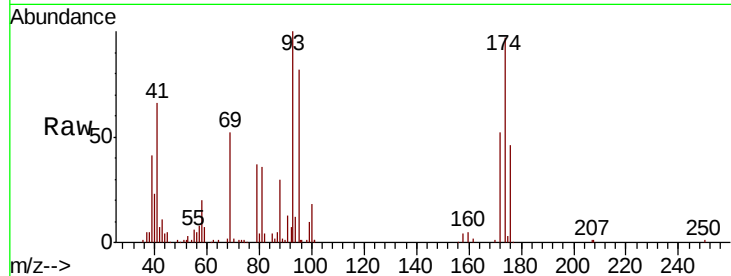
ClientSampleId :

VW0312SBS01

Tot Ion:	88	Resp:	7968
Ion	Ratio	Lower	Upper
88	100		
43	32.4	29.0	43.4
58	75.6	59.2	88.8

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#50

Toluene-d8

Concen: 54.235 ug/l

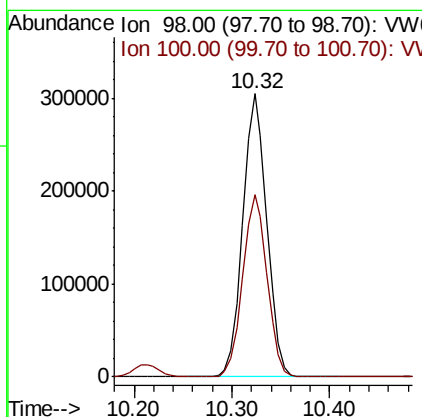
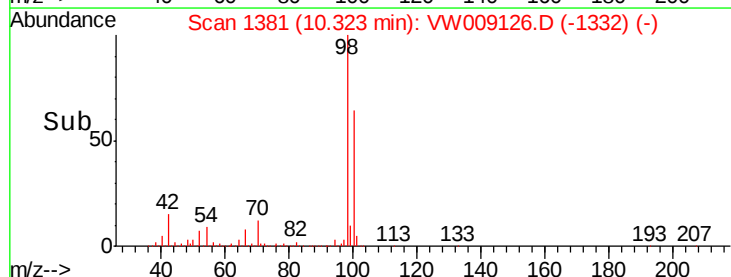
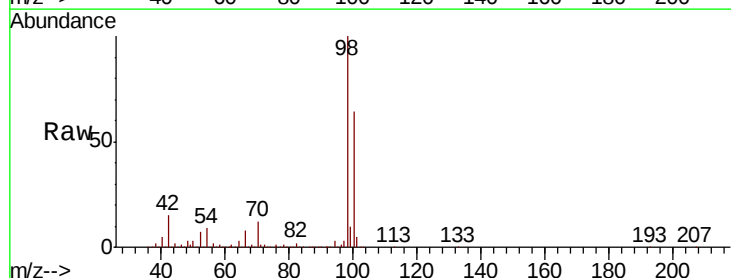
RT: 10.32 min Scan# 1381

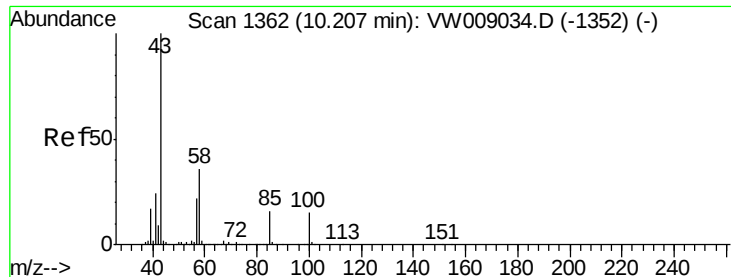
Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	98	Resp:	517352
Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 98.434 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 43 Resp: 176330

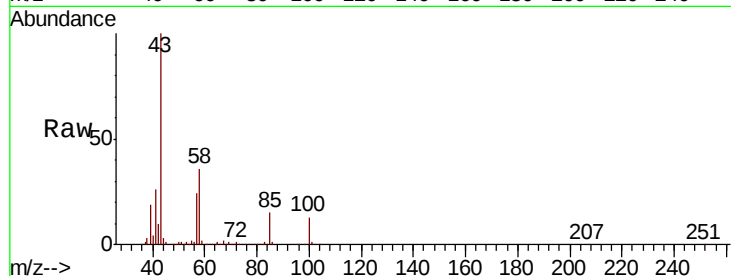
Ion Ratio Lower Upper

43 100

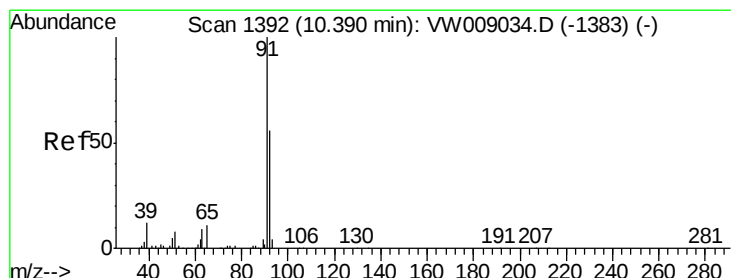
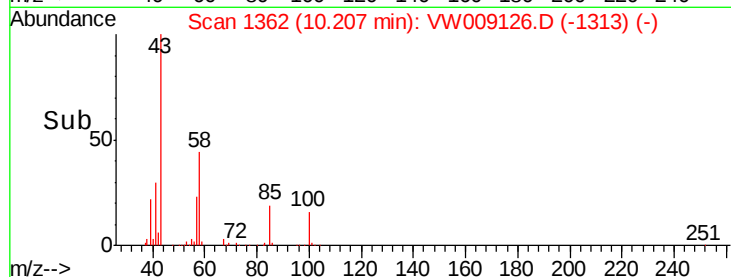
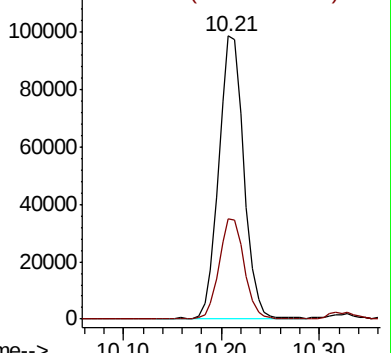
58 35.4 28.8 43.2

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



#52

Toluene

Concen: 19.893 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW009126.D

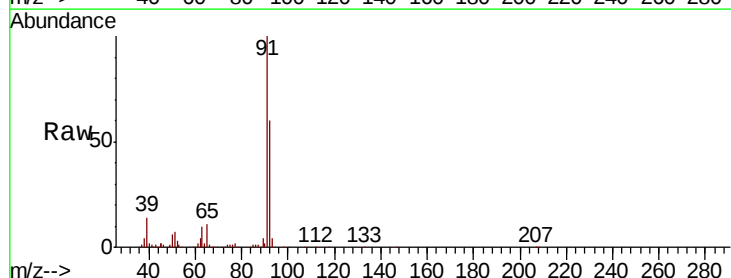
Acq: 12 Mar 2019 16:18

Tgt Ion: 92 Resp: 145263

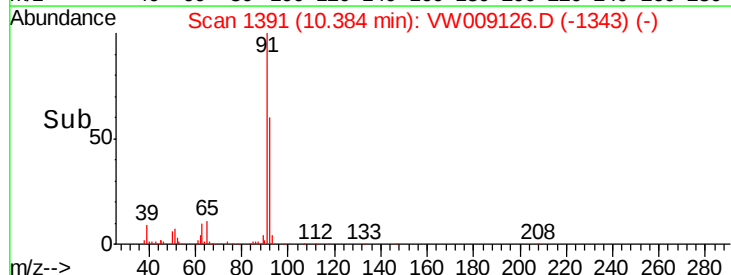
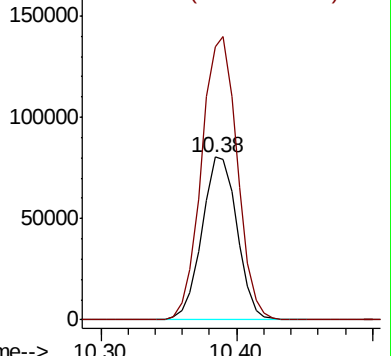
Ion Ratio Lower Upper

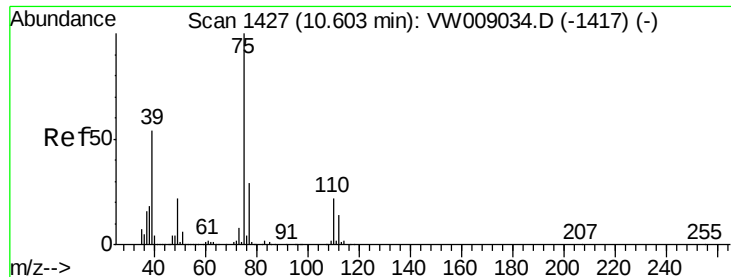
92 100

91 176.2 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VW
Ion 91.00 (90.70 to 91.70): VW





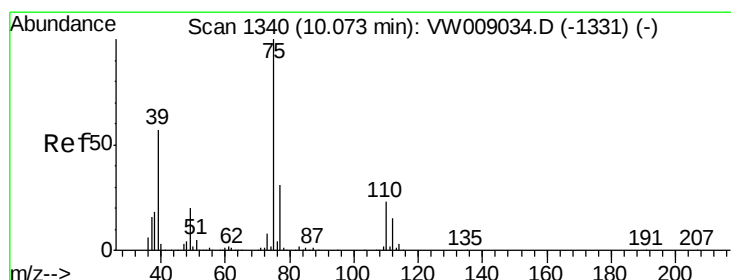
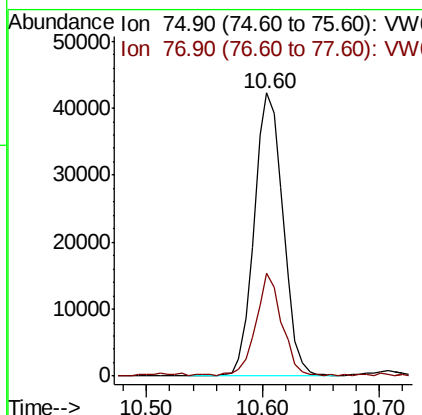
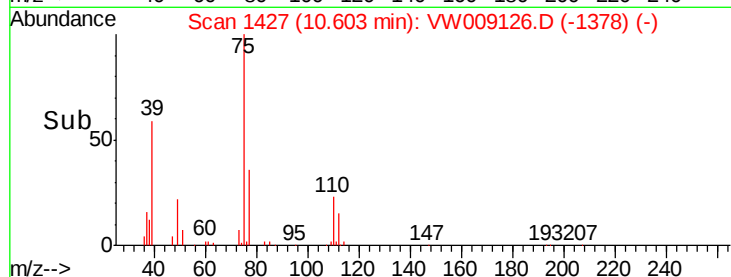
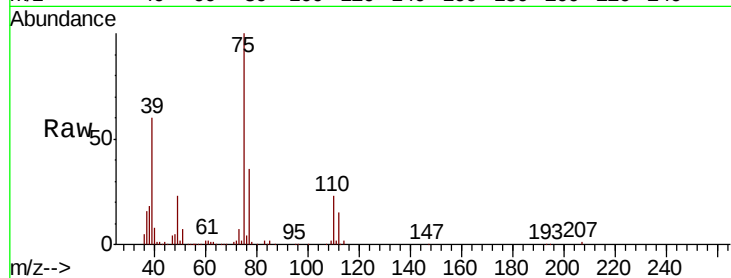
#53
t-1,3-Dichloropropene
Concen: 19.917 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion: 75 Resp: 73440
Ion Ratio Lower Upper
75 100
77 36.4 23.6 35.4#

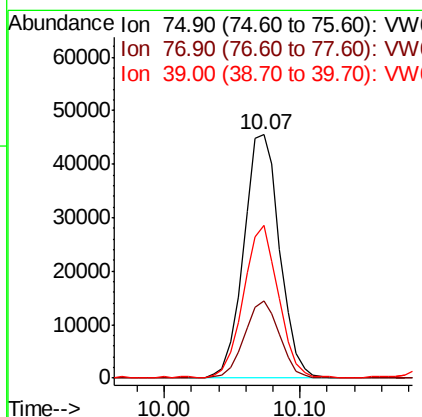
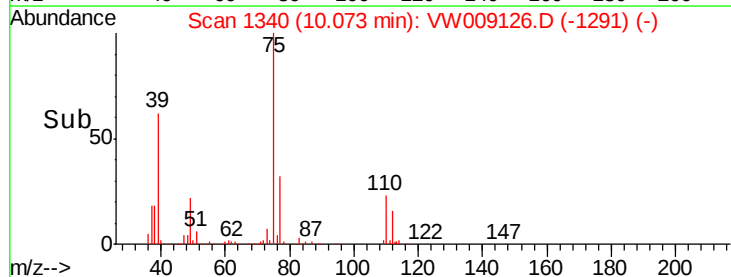
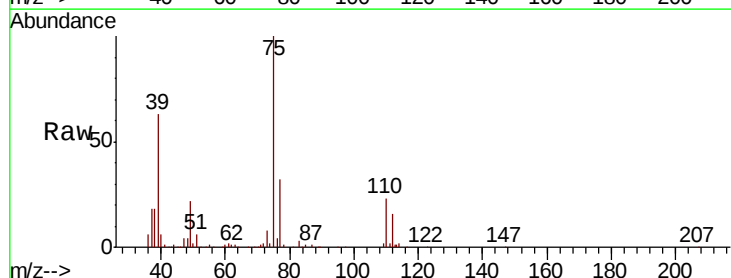
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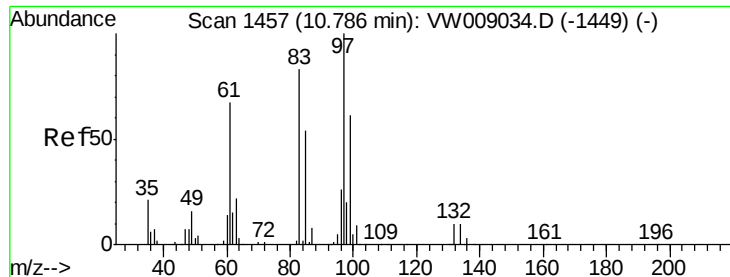
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.822 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion: 75 Resp: 83990
Ion Ratio Lower Upper
75 100
77 31.8 24.6 36.8
39 62.9 45.9 68.9





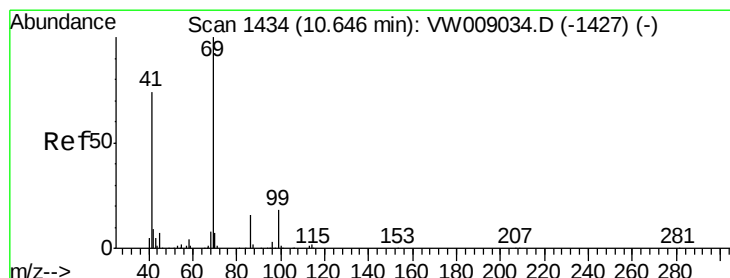
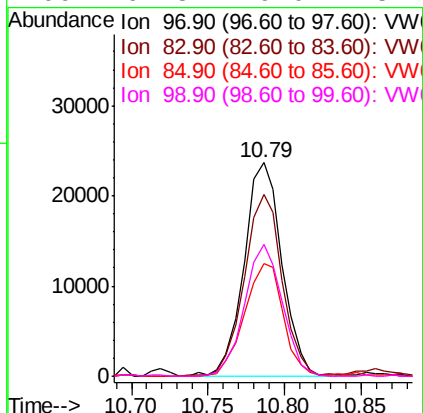
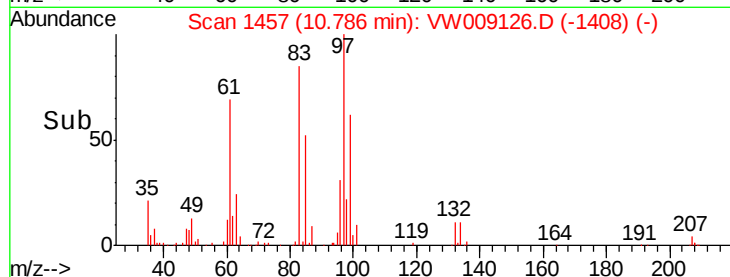
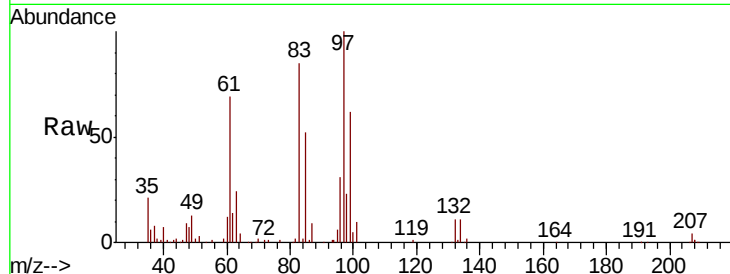
#55
 1,1,2-Trichloroethane
 Concen: 20.456 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		40833		
83	84.7	66.2	99.2		
85	52.5	43.6	65.4		
99	61.8	49.0	73.4		

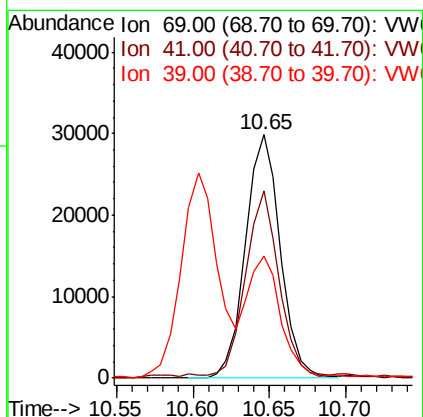
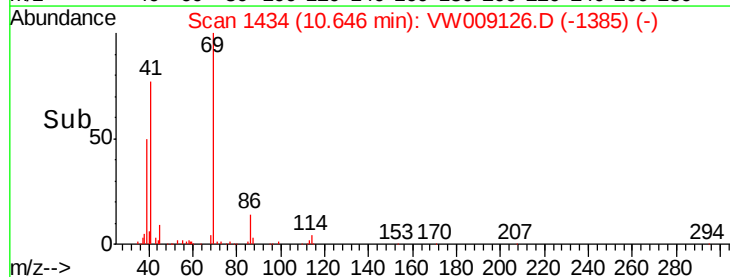
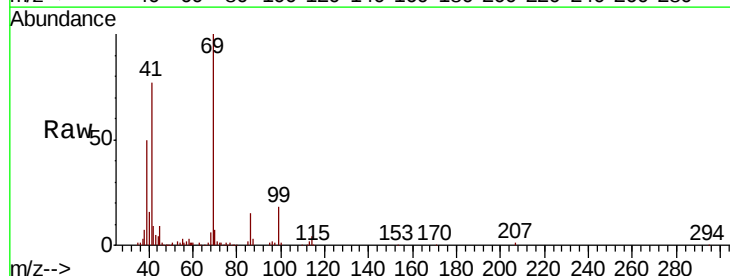
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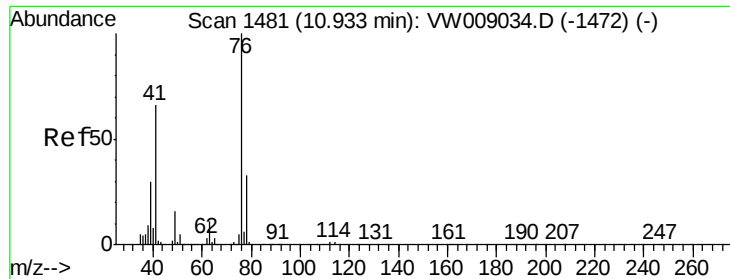
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#56
 Ethyl methacrylate
 Concen: 19.053 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		47201		
41	73.5	59.4	89.2		
39	48.3	38.5	57.7		





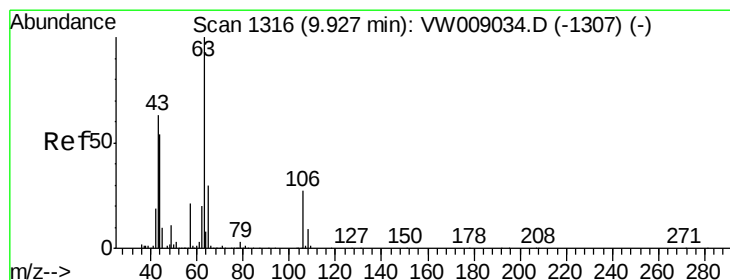
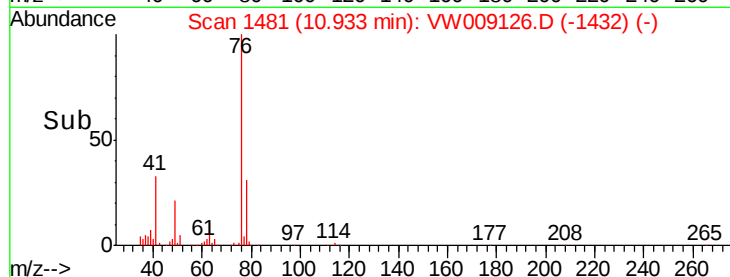
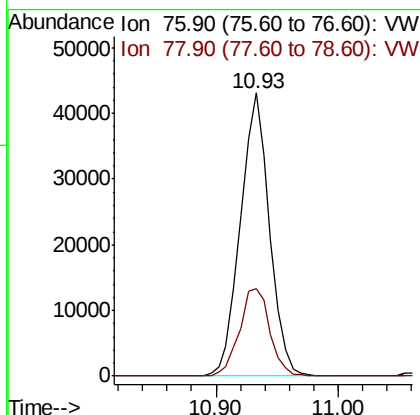
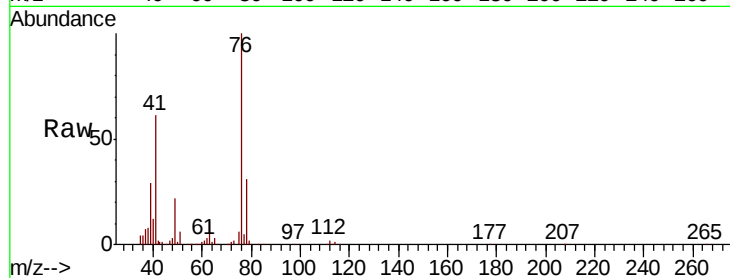
#57
 1,3-Dichloropropane
 Concen: 20.014 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion: 76 Resp: 70775
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

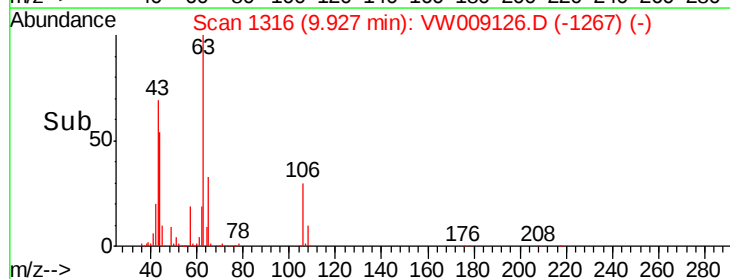
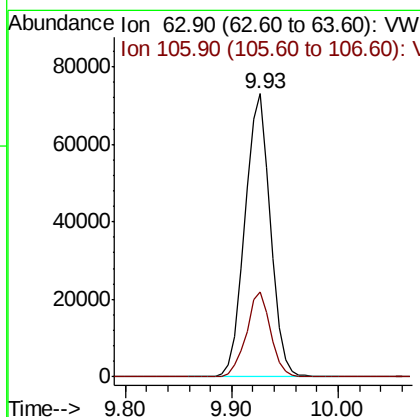
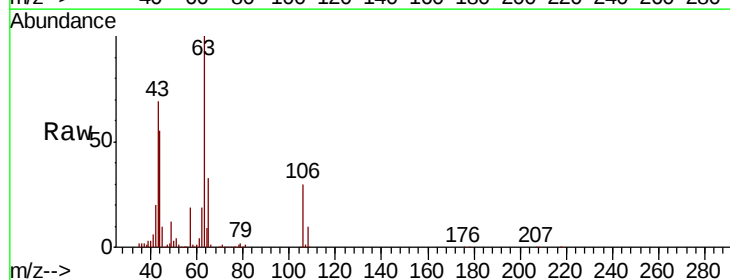
Manual Integrations
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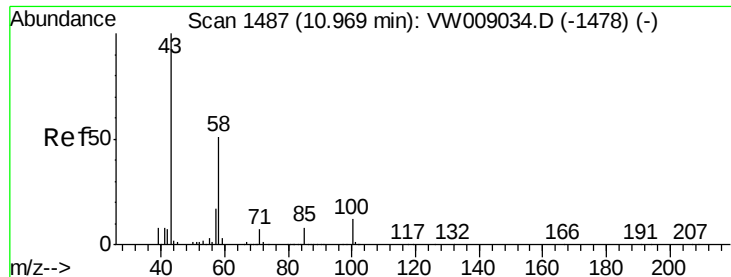
MMDadoda
 3/20/2019 9:38:16 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.613 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion: 63 Resp: 122797
 Ion Ratio Lower Upper
 63 100
 106 28.6 23.0 34.6





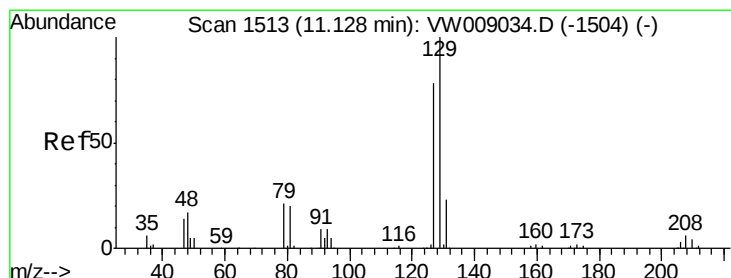
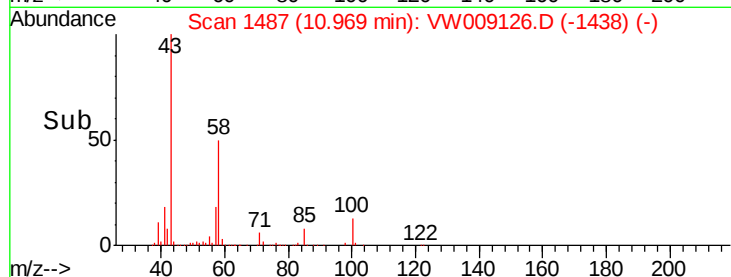
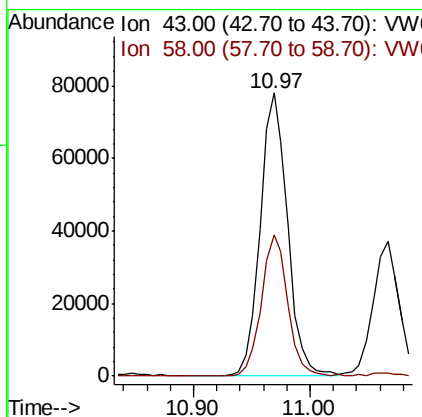
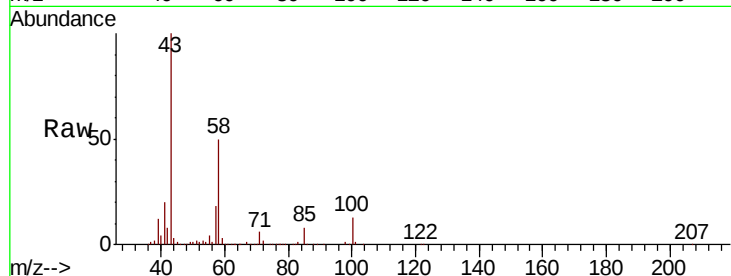
#59
2-Hexanone
Concen: 100.722 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion: 43 Resp: 126856
Ion Ratio Lower Upper
43 100
58 48.4 25.3 75.9

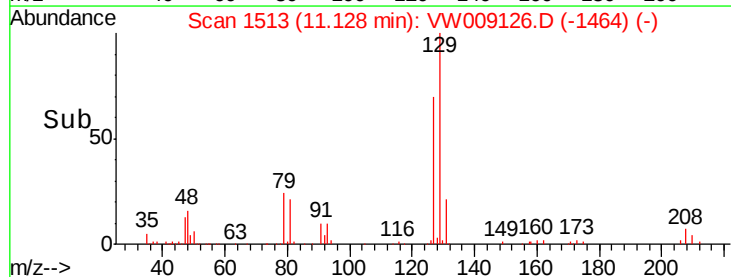
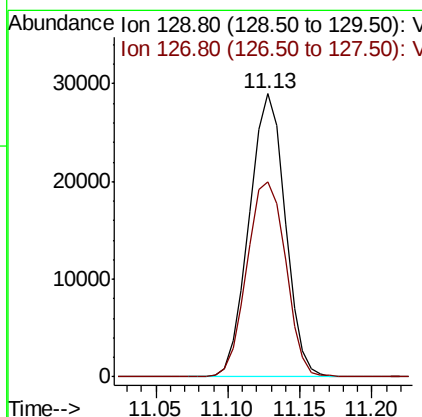
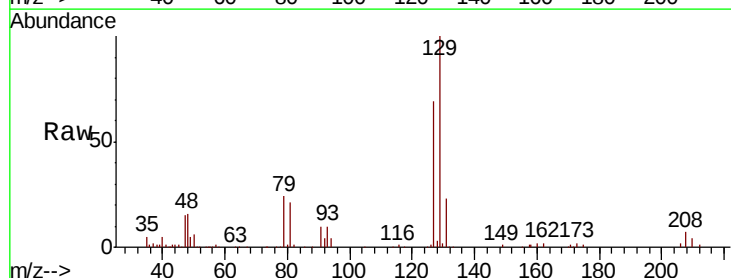
Manual Integrations
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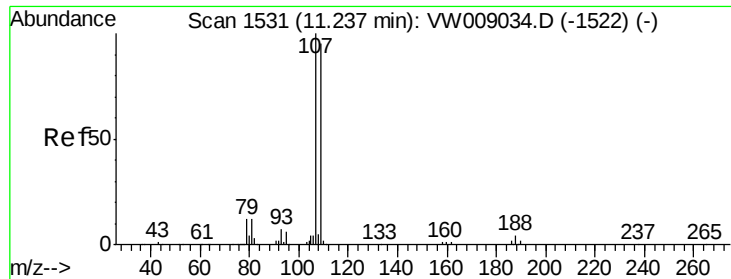
MMDadoda
3/20/2019 9:38:16 AM



#60
Dibromochloromethane
Concen: 20.293 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion:129 Resp: 50130
Ion Ratio Lower Upper
129 100
127 74.1 38.4 115.1





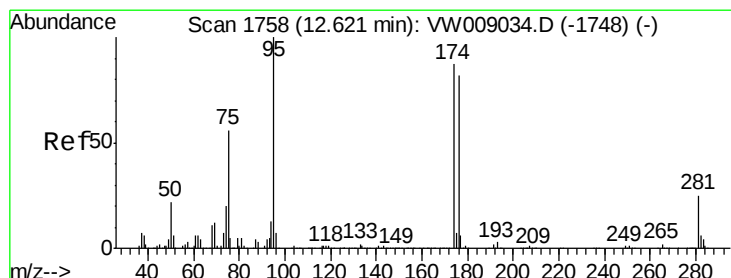
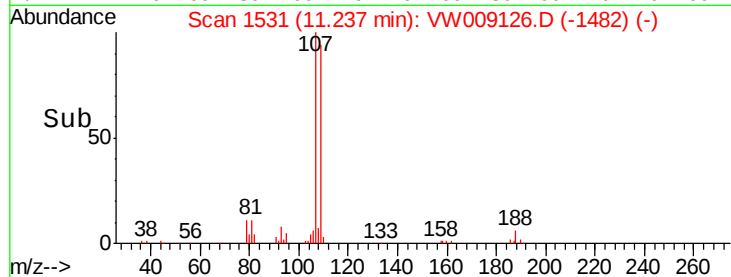
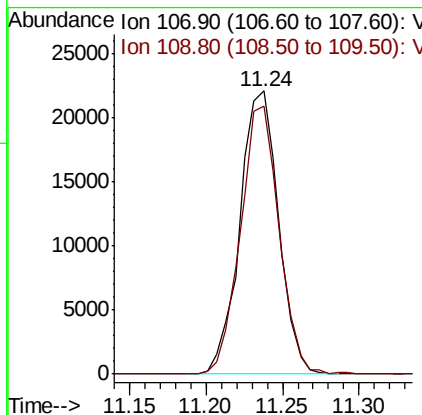
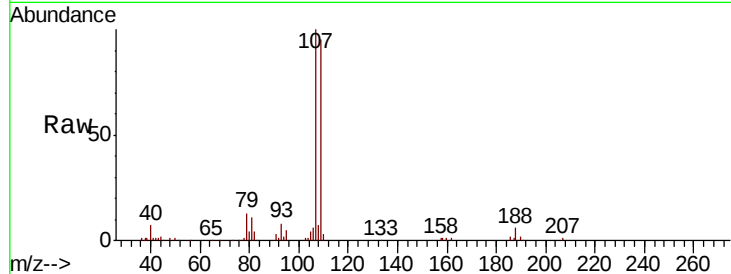
#61
 1,2-Dibromoethane
 Concen: 19.821 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion:107 Resp: 38788
 Ion Ratio Lower Upper
 107 100
 109 94.9 74.7 112.1

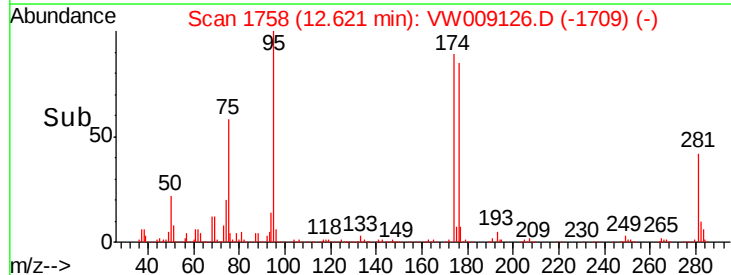
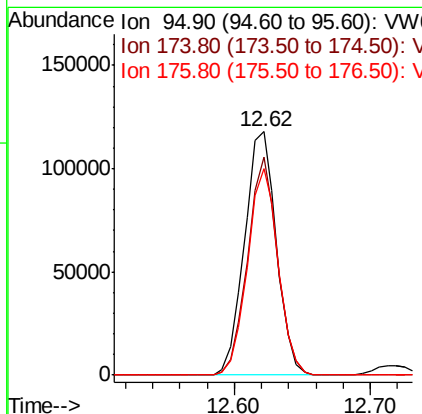
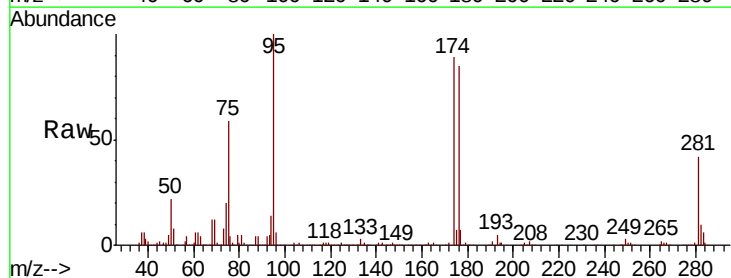
Manual Integrations
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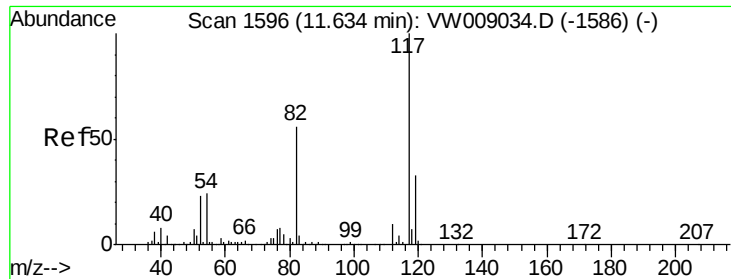
MMDadoda
 3/20/2019 9:38:16 AM



#62
 4-Bromofluorobenzene
 Concen: 51.516 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion: 95 Resp: 193451
 Ion Ratio Lower Upper
 95 100
 174 84.0 0.0 167.0
 176 81.5 0.0 159.4





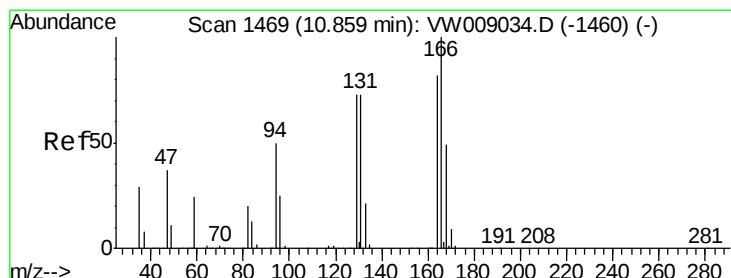
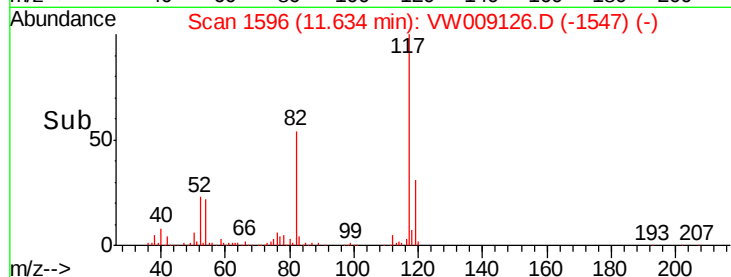
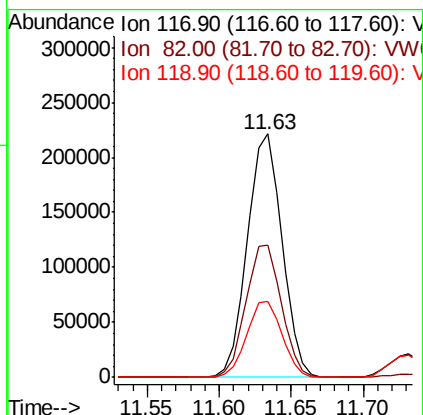
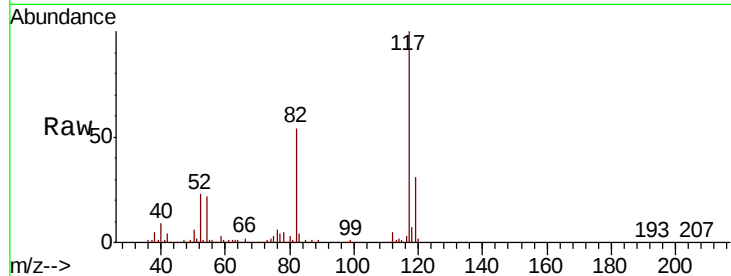
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	368545		
82	54.4	45.0	67.6	
119	31.4	26.6	39.8	

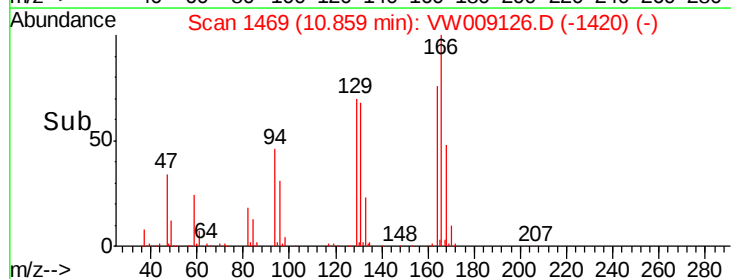
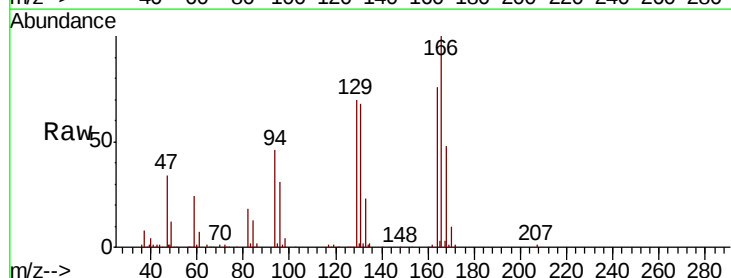
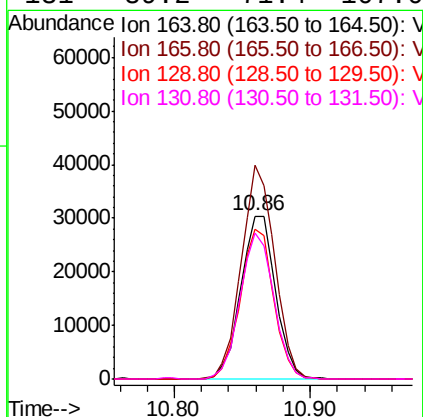
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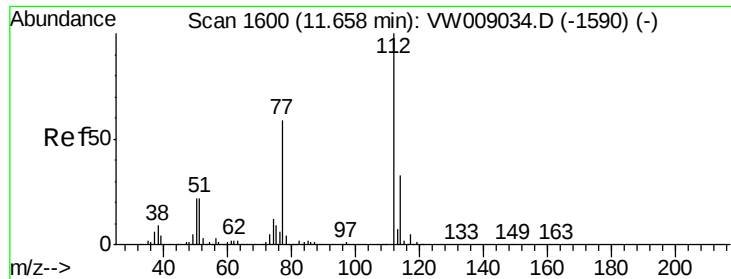
MMDadoda
3/20/2019 9:38:16 AM



#64
Tetrachloroethene
Concen: 20.457 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54370		
166	130.9	97.8	146.6	
129	92.2	71.6	107.4	
131	89.2	71.4	107.0	





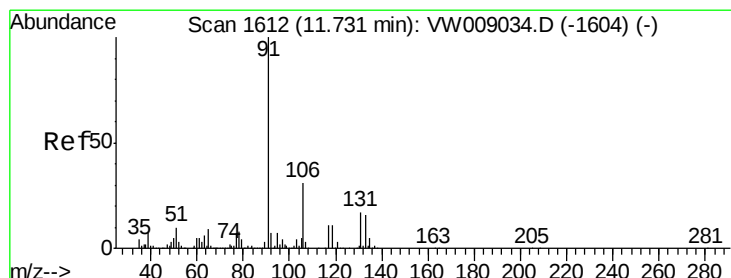
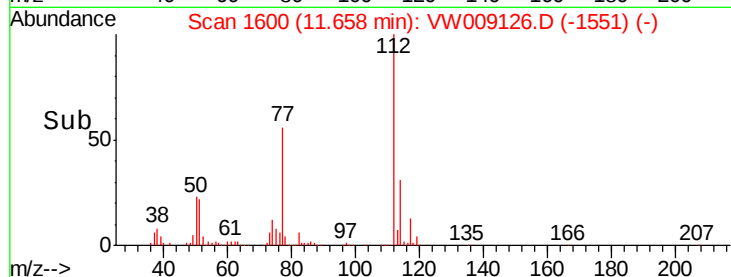
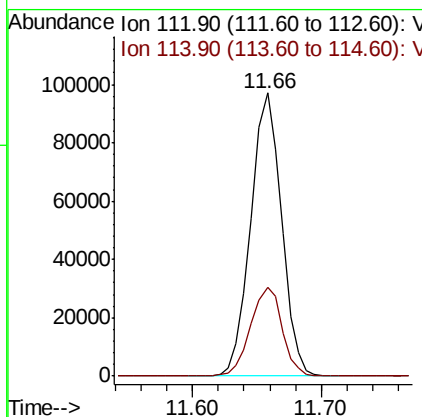
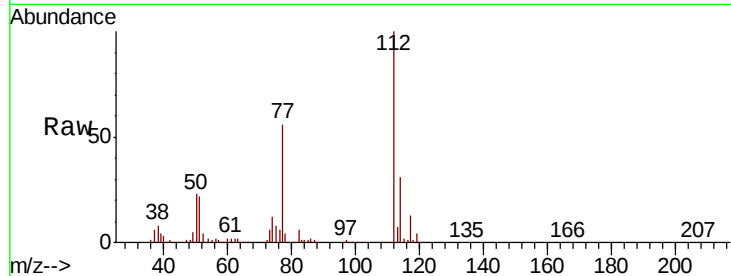
#65
Chlorobenzene
Concen: 19.947 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion:112 Resp: 160009
Ion Ratio Lower Upper
112 100
114 31.2 26.6 40.0

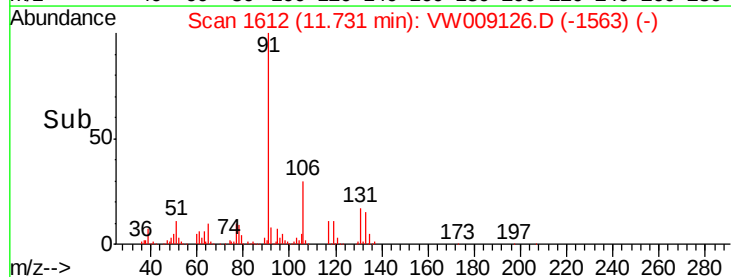
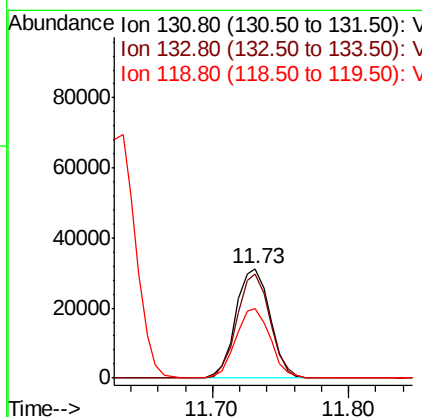
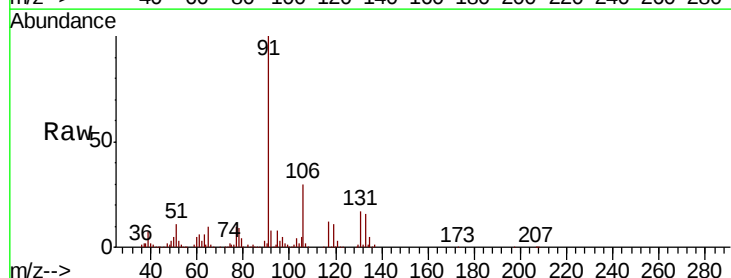
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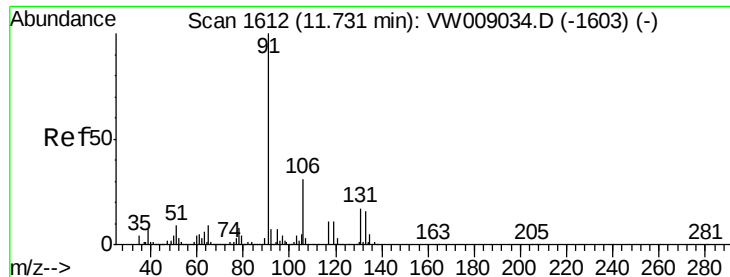
MMDadoda
3/20/2019 9:38:16 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.473 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion:131 Resp: 54836
Ion Ratio Lower Upper
131 100
133 92.4 47.6 142.8
119 63.9 31.3 93.8





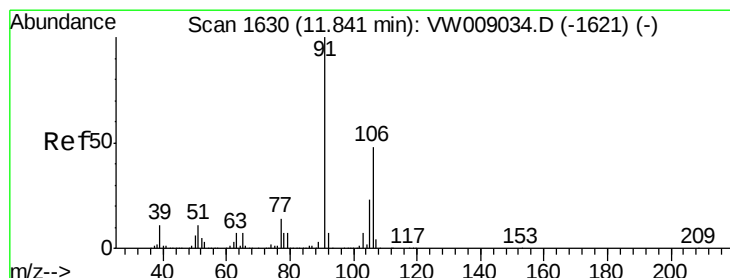
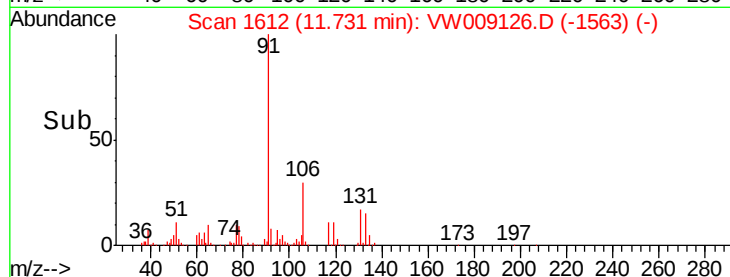
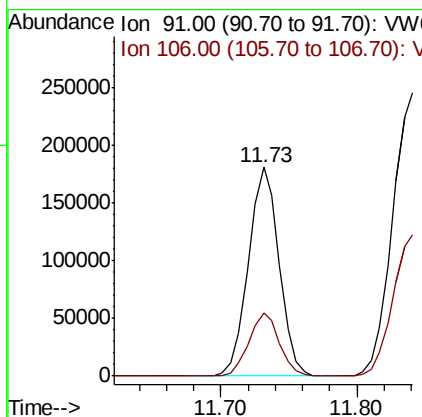
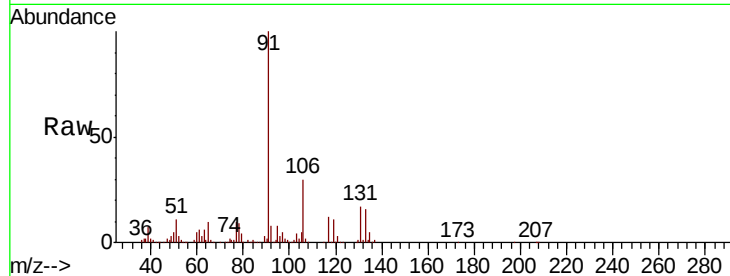
#67
Ethyl Benzene
Concen: 19.791 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion: 91 Resp: 286801
Ion Ratio Lower Upper
91 100
106 30.4 25.0 37.4

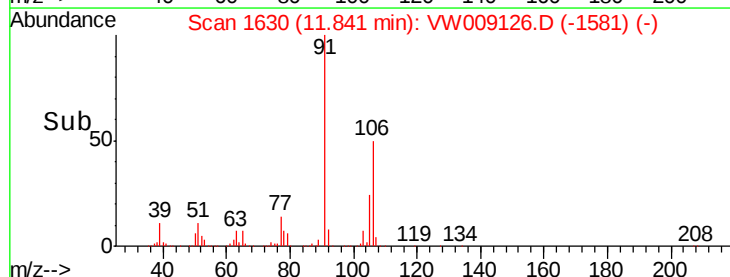
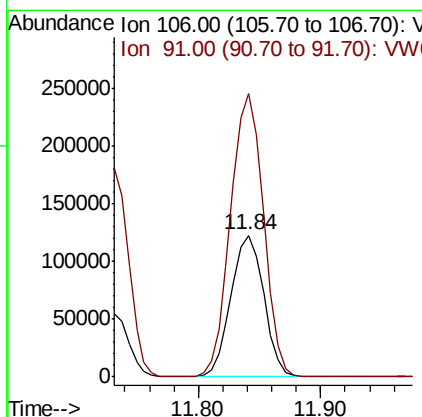
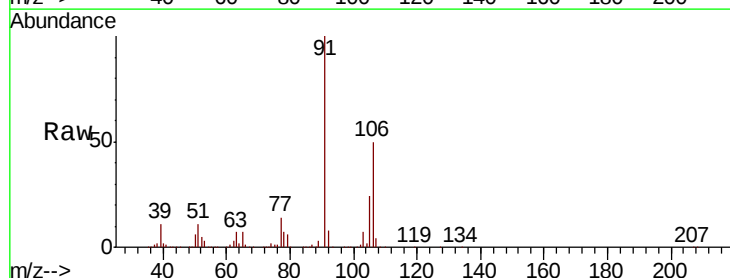
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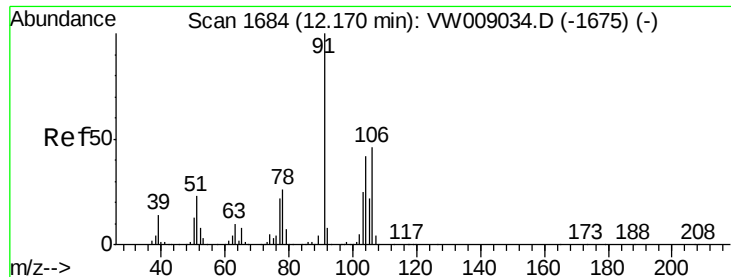
MMDadoda
3/20/2019 9:38:16 AM



#68
m/p-Xylenes
Concen: 39.996 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion: 106 Resp: 228780
Ion Ratio Lower Upper
106 100
91 201.0 163.2 244.8





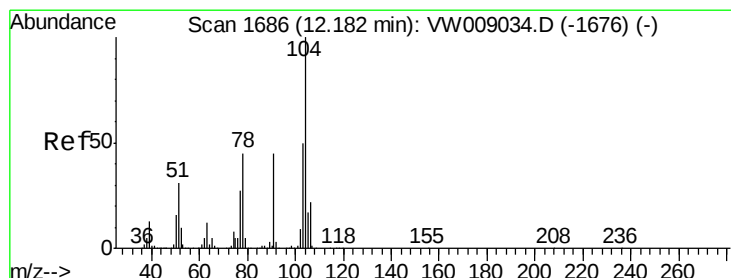
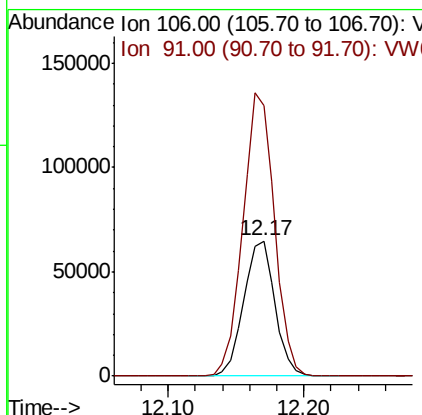
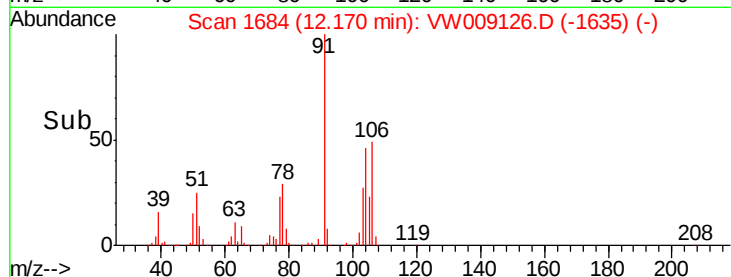
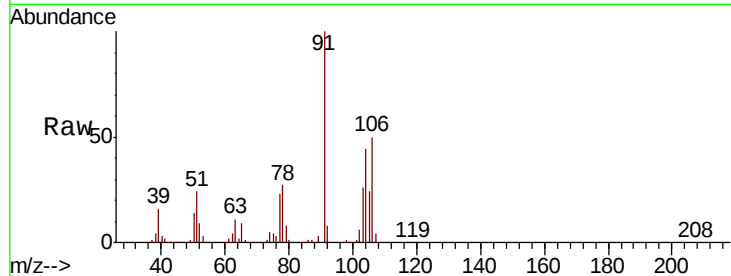
#69
o-Xylene
Concen: 19.510 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	108.6	325.6	

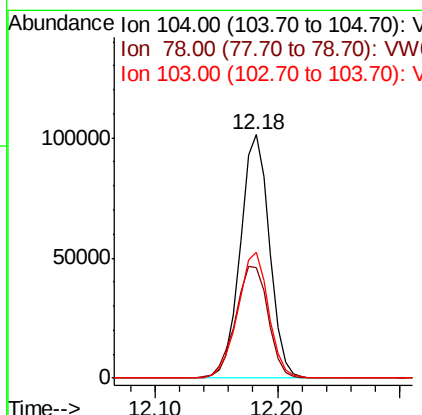
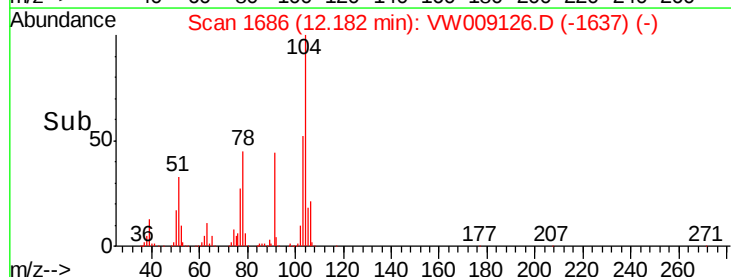
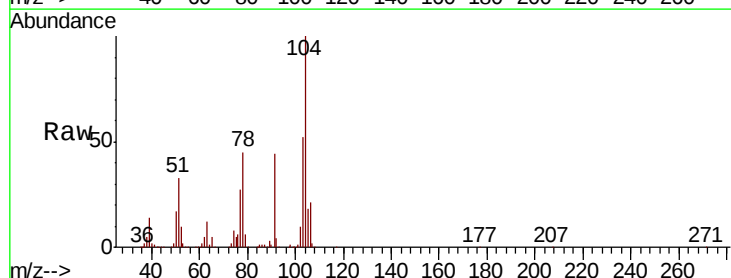
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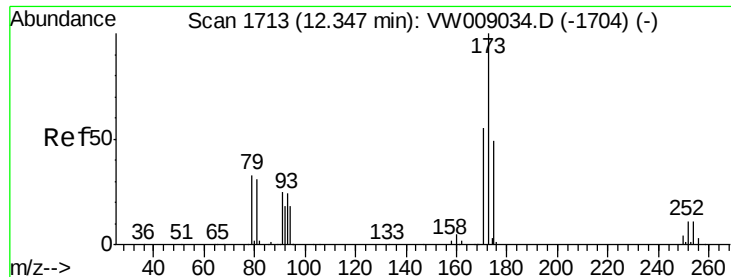
MMDadoda
3/20/2019 9:38:16 AM



#70
Styrene
Concen: 19.436 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.7	42.1	63.1	
103	54.8	43.9	65.9	





#71

Bromoform

Concen: 19.348 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:173 Resp: 27826

Ion Ratio Lower Upper

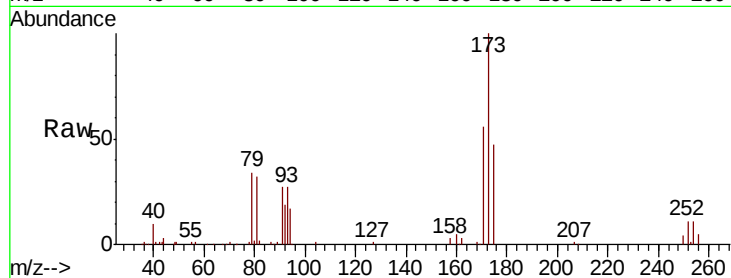
173 100

175 50.8 24.6 74.0

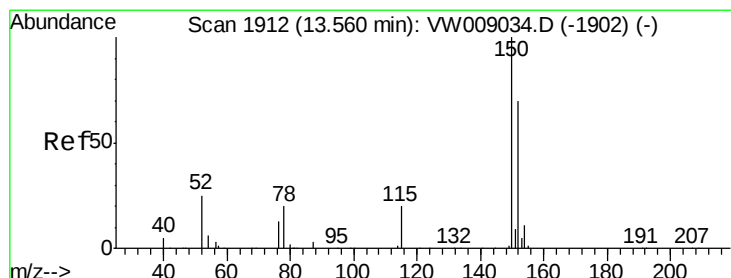
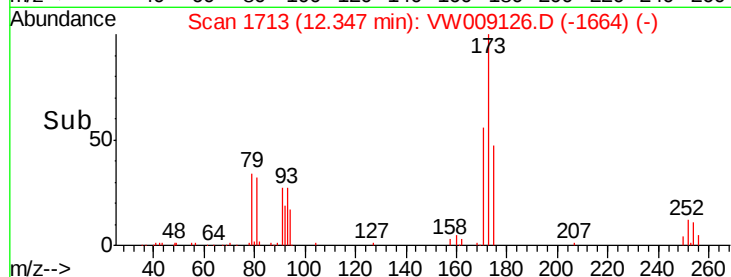
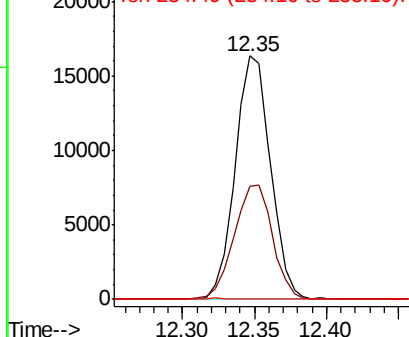
254 0.0 0.0 0.0

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3/20/2019 9:38:16 AM



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: VW009126.D

Acq: 12 Mar 2019 16:18

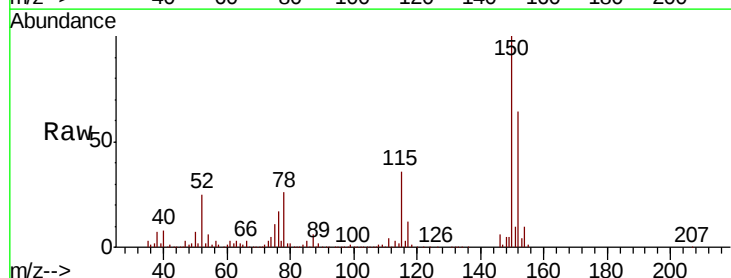
Tgt Ion:152 Resp: 201681

Ion Ratio Lower Upper

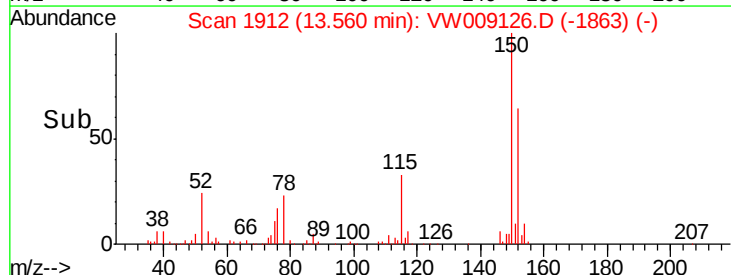
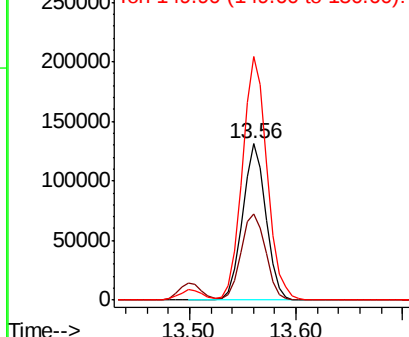
152 100

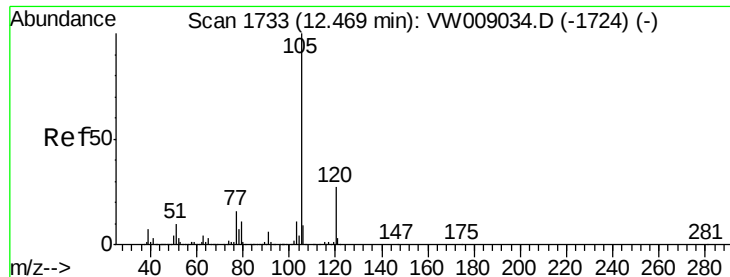
115 58.1 28.9 86.7

150 164.7 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: 19.947 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion: 105 Resp: 288081

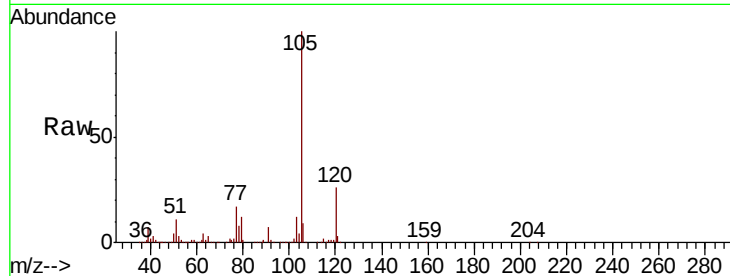
Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6

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3/20/2019 9:38:16 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

50000

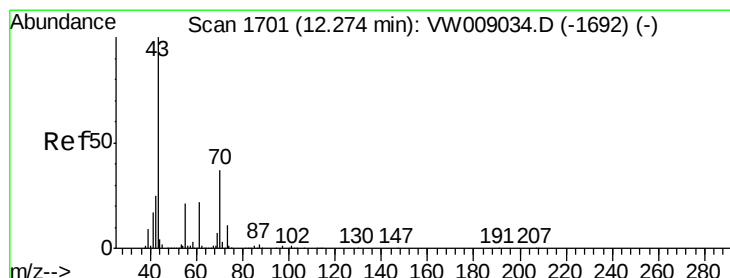
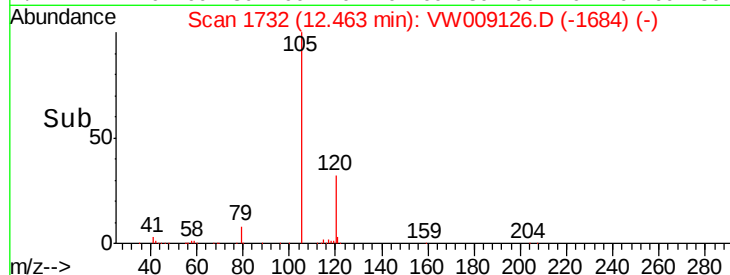
0

12.40

12.46

12.50

Time-->



#74

N-ethyl acetate

Concen: 19.077 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion: 43 Resp: 65224

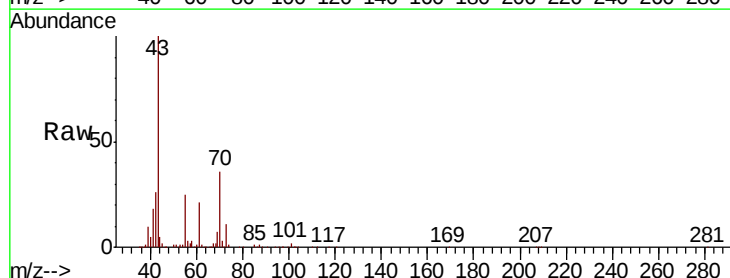
Ion Ratio Lower Upper

43 100

70 37.9 30.8 46.2

55 24.7 17.8 26.8

61 21.9 17.4 26.2



Abundance Ion 43.00 (42.70 to 43.70): VV

Ion 70.00 (69.70 to 70.70): VV

Ion 55.00 (54.70 to 55.70): VV

Ion 61.00 (60.70 to 61.70): VV

60000

40000

20000

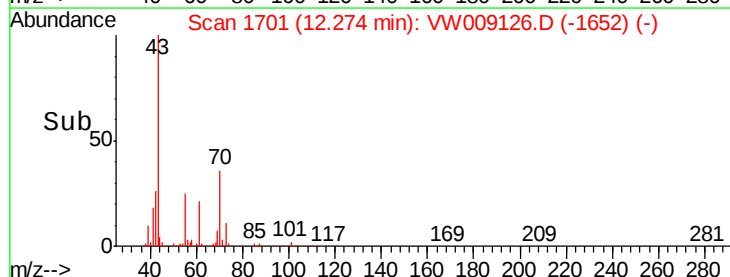
0

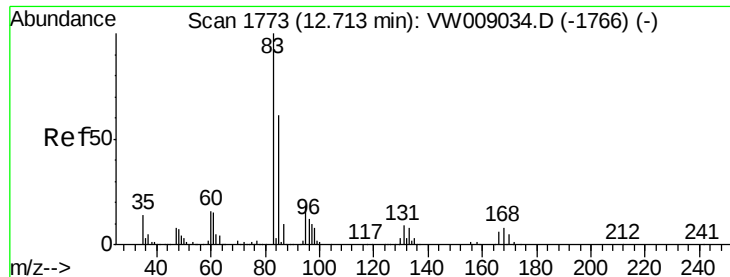
12.20

12.27

12.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.060 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

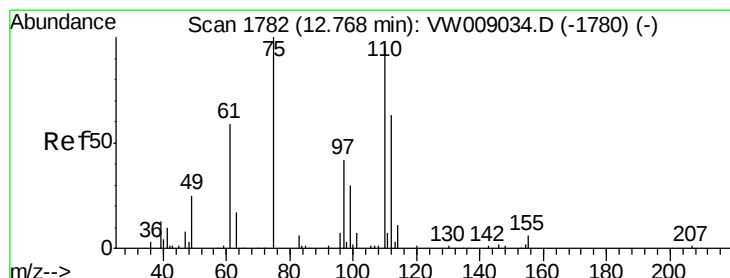
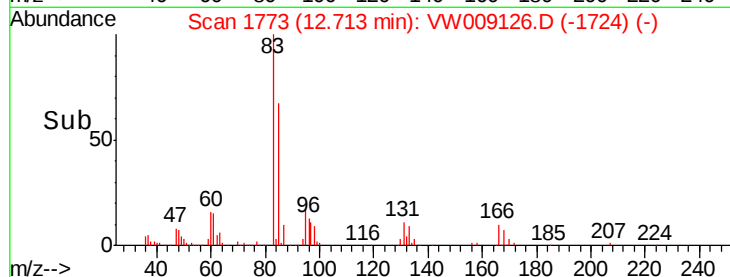
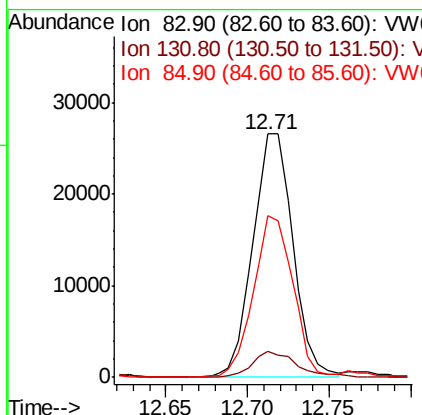
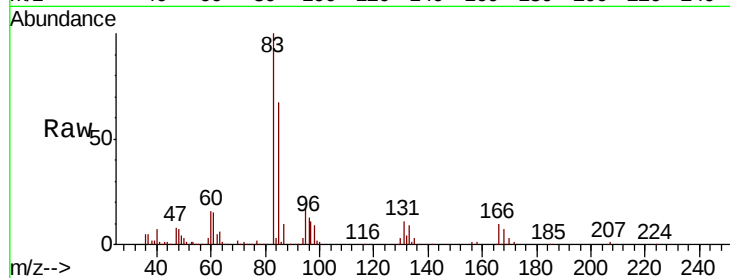
ClientSampleId :

VW0312SBS01

Tot Ion:	83	Resp:	45700
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.5	16.7
85	65.2	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.093 ug/l m

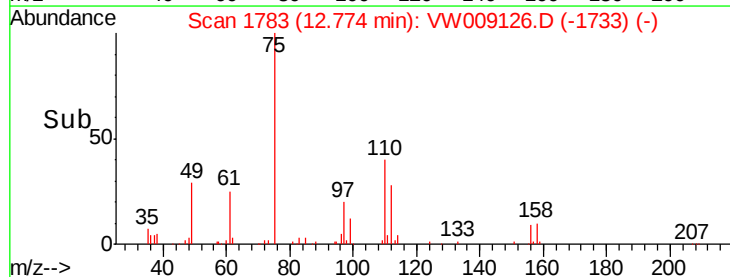
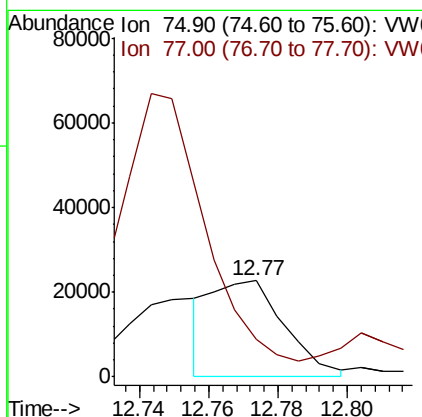
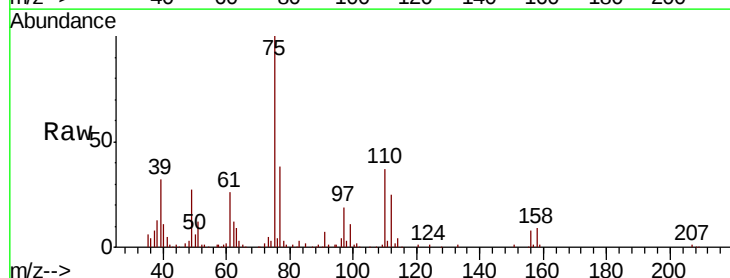
RT: 12.77 min Scan# 1783

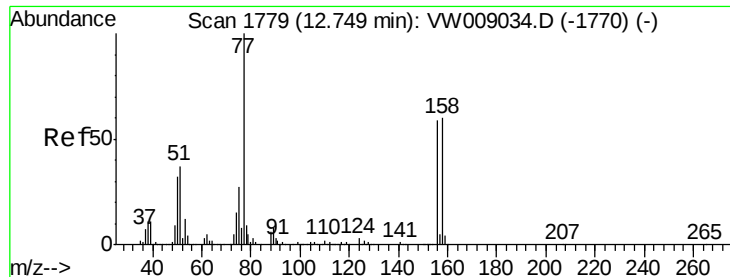
Delta R.T. 0.01 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	75	Resp:	33611
Ion Ratio	Lower	Upper	
75	100		
77	0.0	186.7	560.0#





#77

Bromobenzene

Concen: 20.214 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampleId :

VW0312SBS01

Tot Ion:156 Resp: 66707

Ion Ratio Lower Upper

156 100

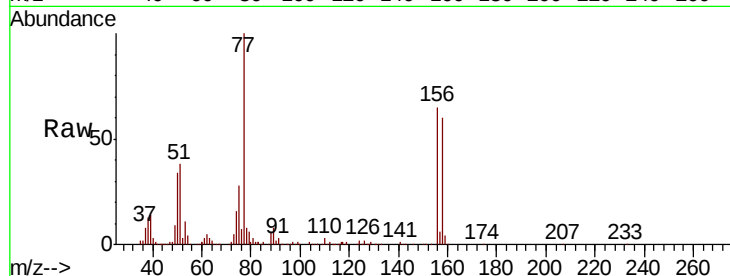
77 180.0 93.0 279.2

158 96.4 50.0 149.8

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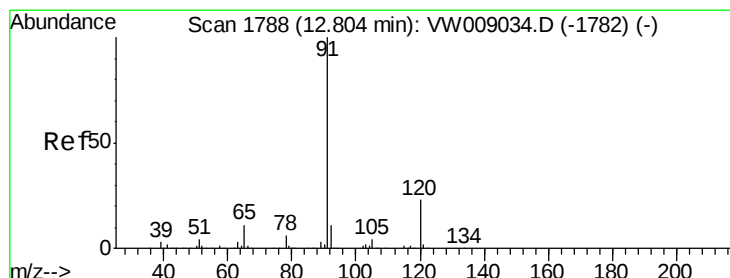
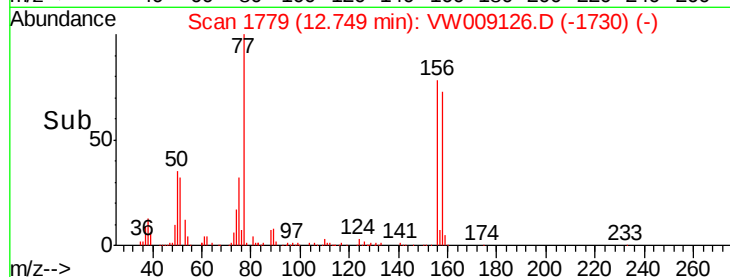
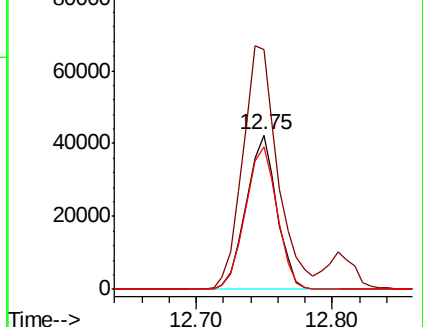
3/20/2019 9:38:16 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.024 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW009126.D

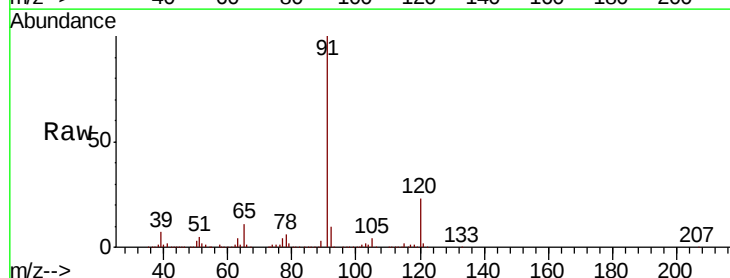
Acq: 12 Mar 2019 16:18

Tgt Ion: 91 Resp: 356213

Ion Ratio Lower Upper

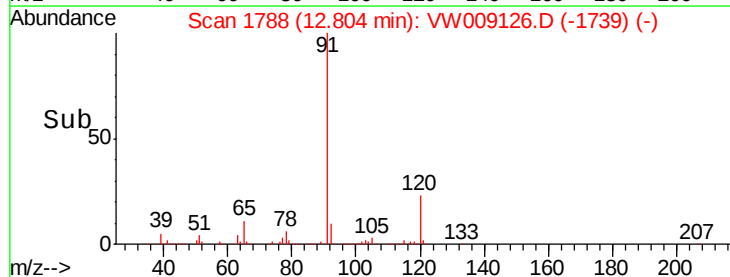
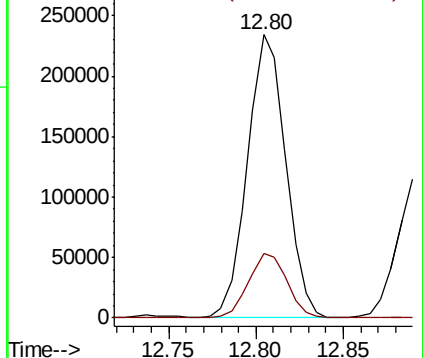
91 100

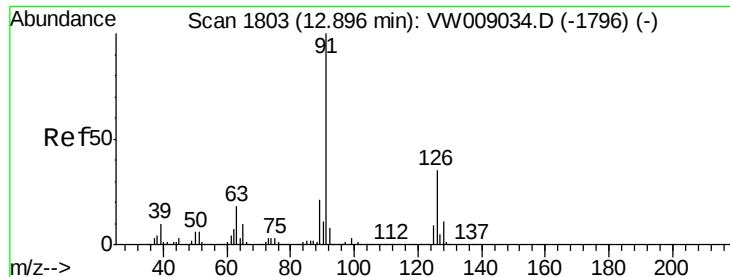
120 23.0 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.624 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

ClientSampled :

VW0312SBS01

Tot Ion: 91 Resp: 196141

Ion Ratio Lower Upper

91 100

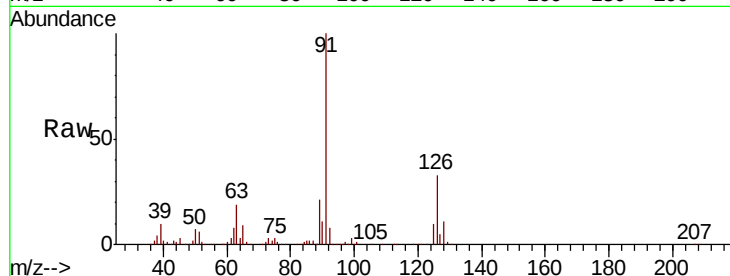
126 34.1 16.8 50.4

Manual Integrations

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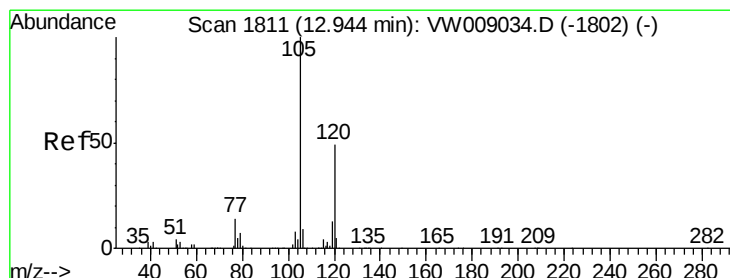
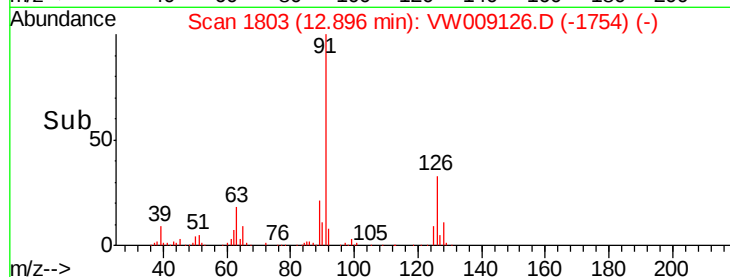
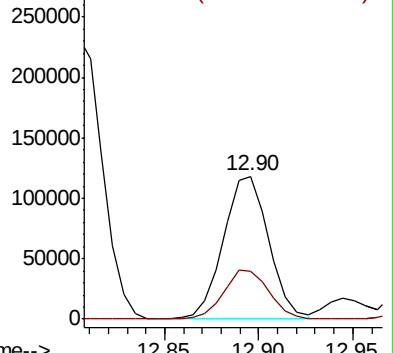
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.509 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009126.D

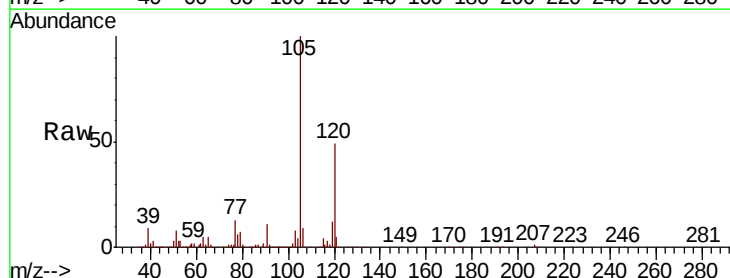
Acq: 12 Mar 2019 16:18

Tgt Ion:105 Resp: 242879

Ion Ratio Lower Upper

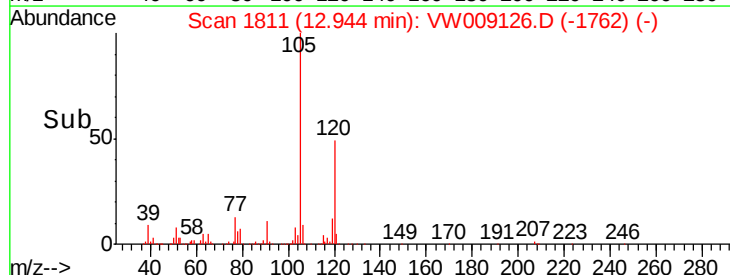
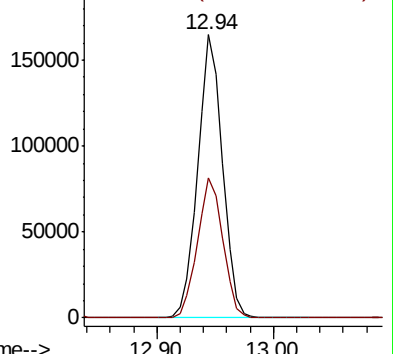
105 100

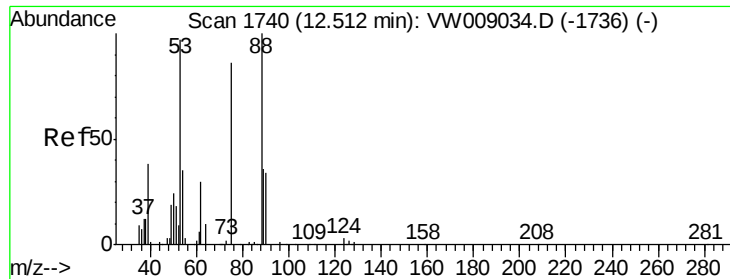
120 50.8 24.4 73.2



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: 19.526 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

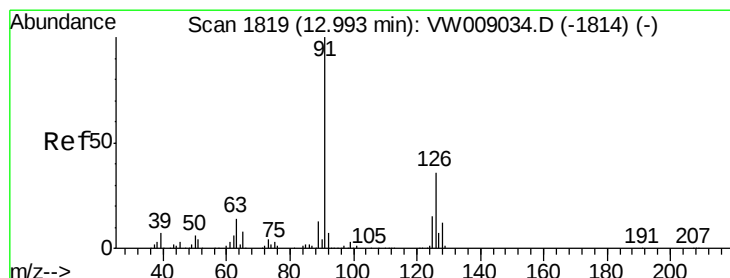
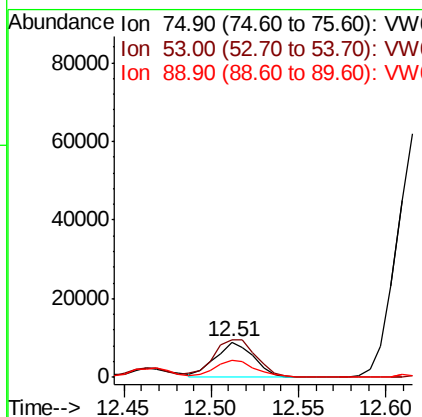
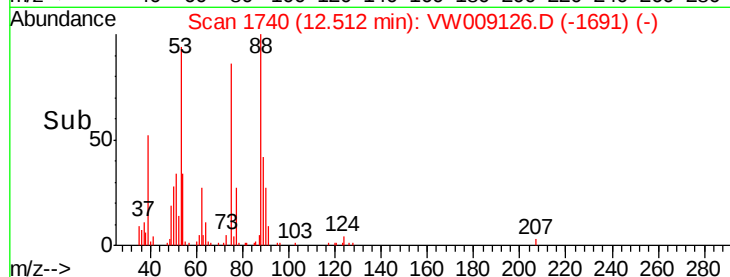
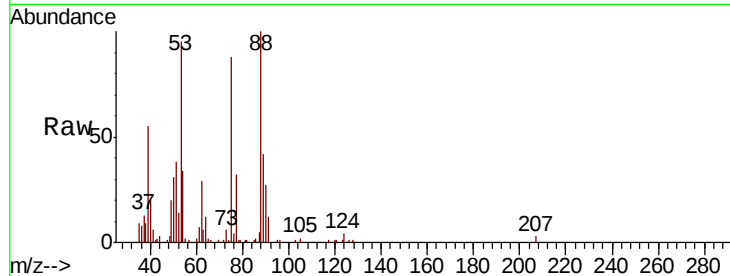
ClientSampleId :

VW0312SBS01

Tot Ion:	75	Resp:	13910
Ion	Ratio	Lower	Upper
75	100		
53	119.1	90.5	135.7
89	49.5	37.5	56.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.583 ug/l

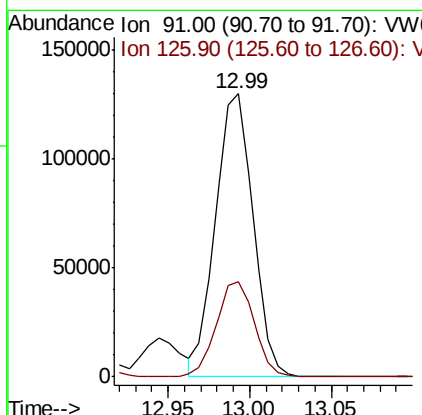
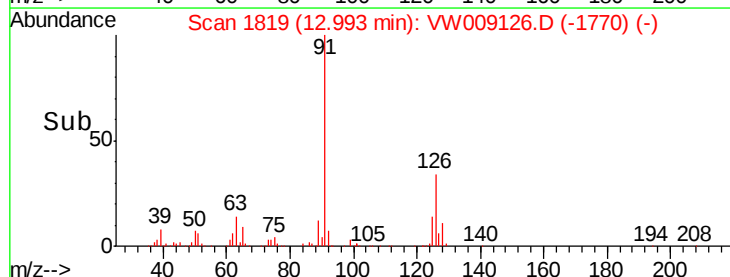
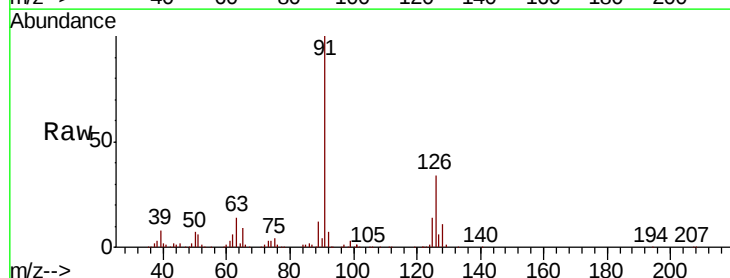
RT: 12.99 min Scan# 1819

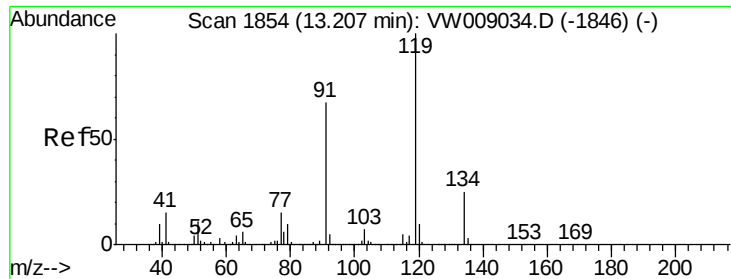
Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	91	Resp:	208650
Ion	Ratio	Lower	Upper
91	100		
126	34.2	16.6	49.8





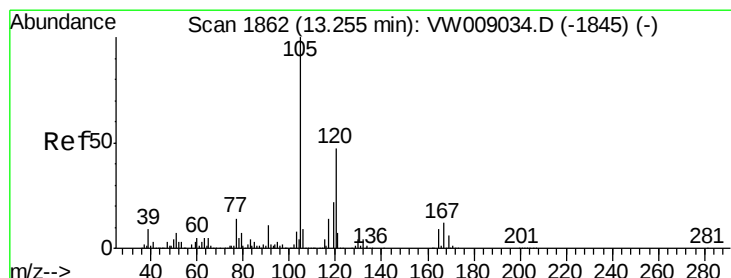
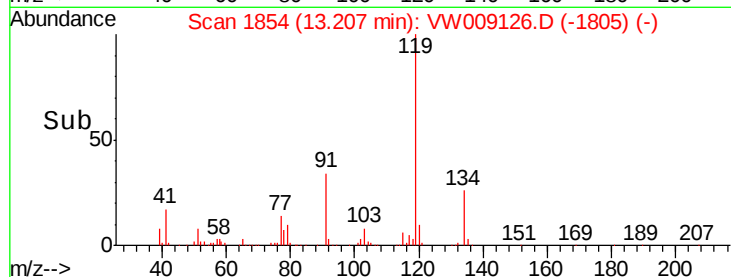
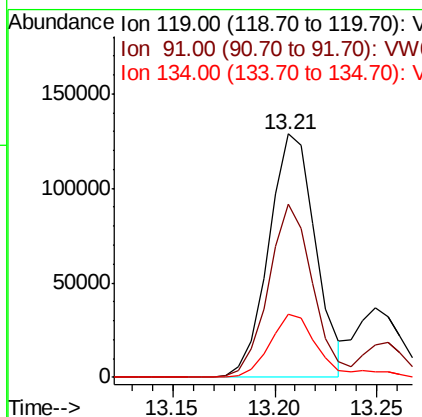
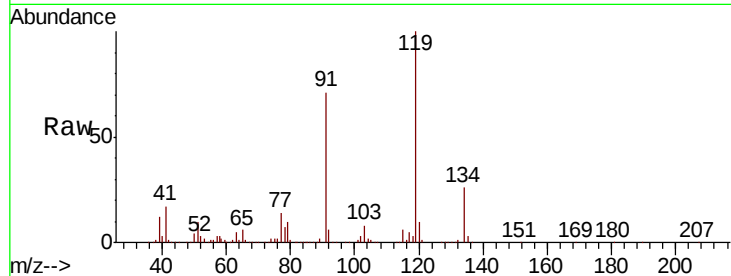
#83
tert-Butylbenzene
Concen: 19.649 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.5	34.2	102.5
134	27.3	13.9	41.6

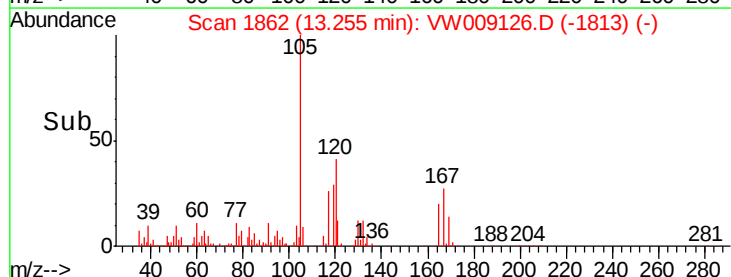
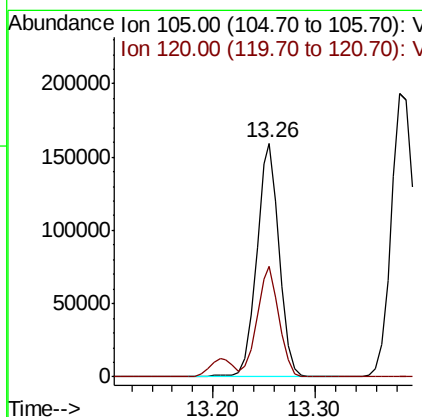
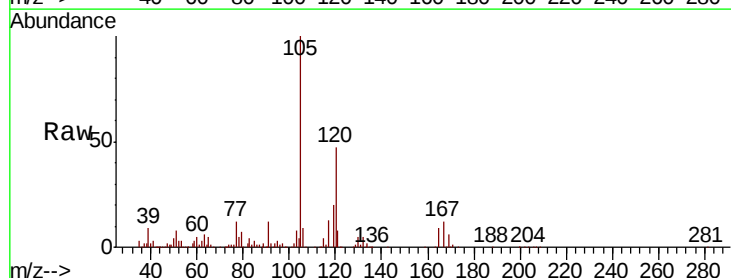
Manual Integrations
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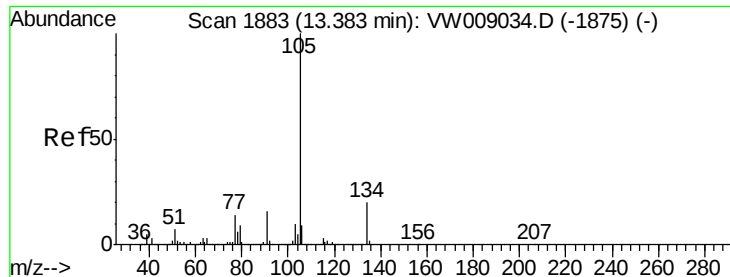
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.395 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.8	68.4





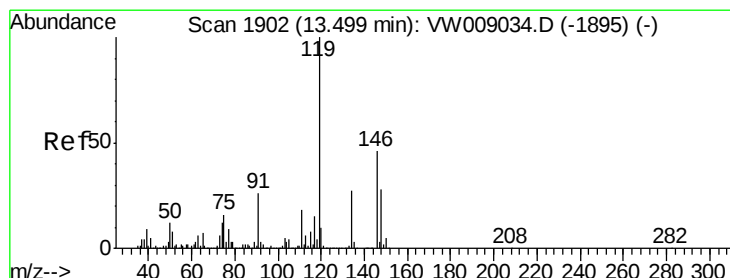
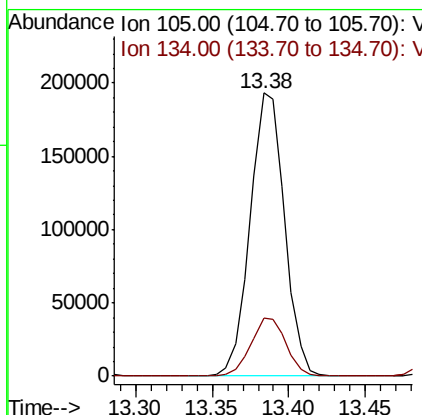
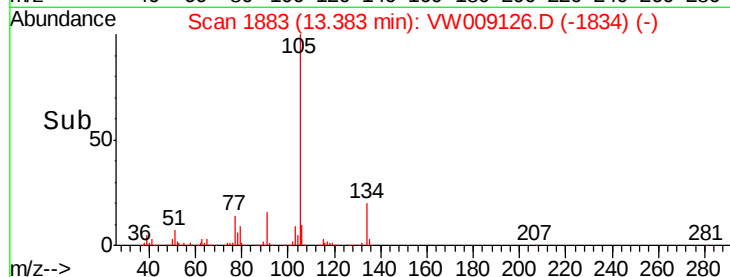
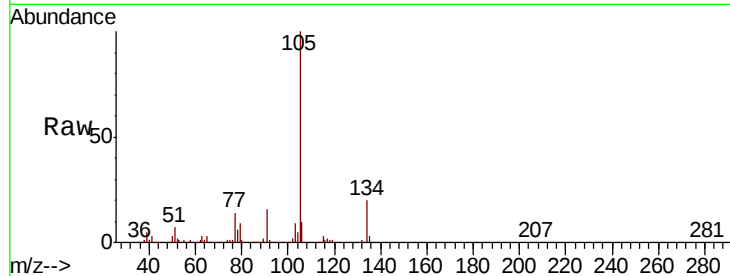
#85
 sec-Butylbenzene
 Concen: 19.394 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.0	30.0

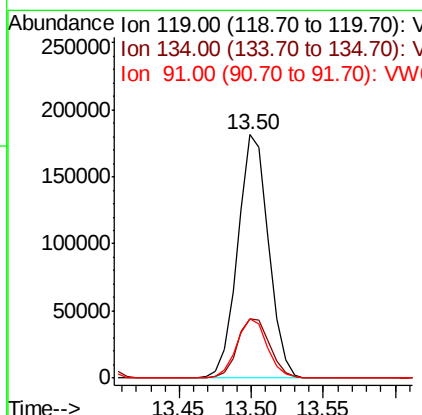
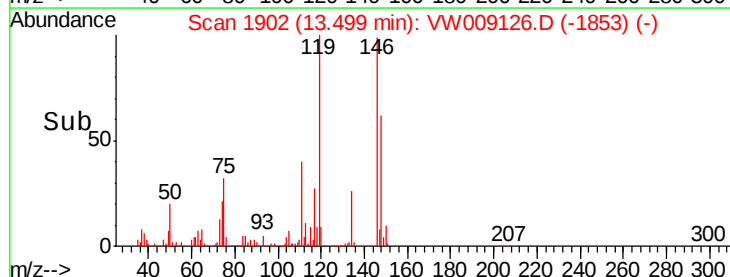
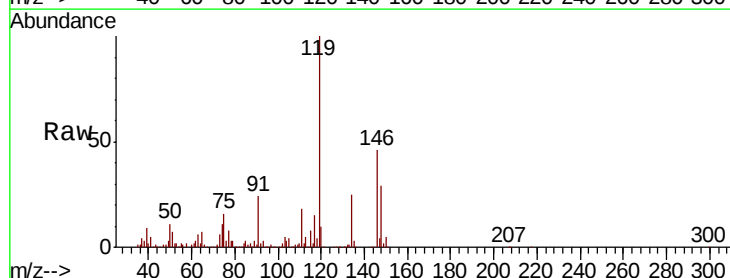
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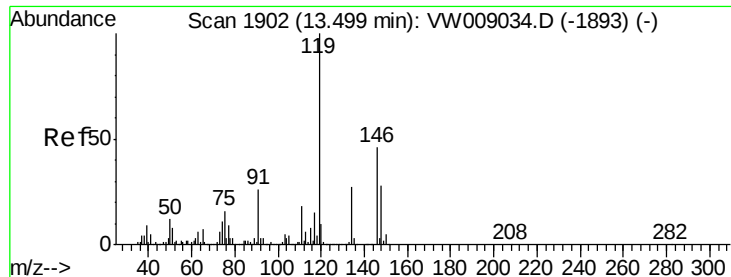
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 3/20/2019 9:38:16 AM



#86
 p-Isopropyltoluene
 Concen: 19.345 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.3	39.9
91	24.3	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 19.835 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Instrument :

MSVOA_W

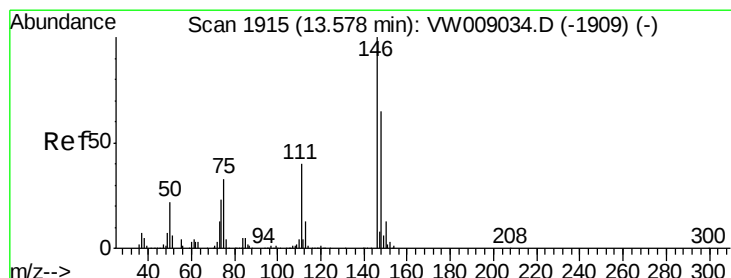
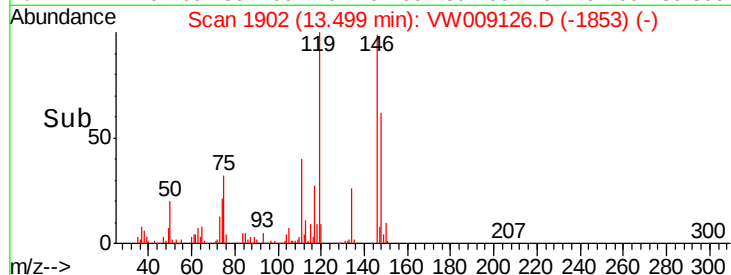
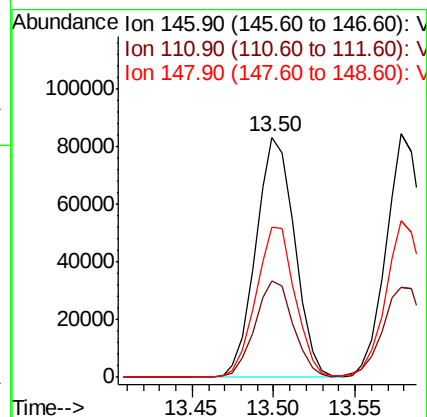
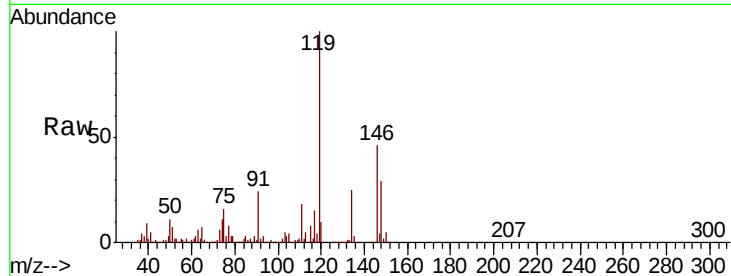
ClientSampleId :

VW0312SBS01

Tot Ion:	146	Resp:	137556
Ion Ratio	Lower	Upper	
146	100		
111	39.8	19.8	59.4
148	63.0	31.6	94.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 19.693 ug/l

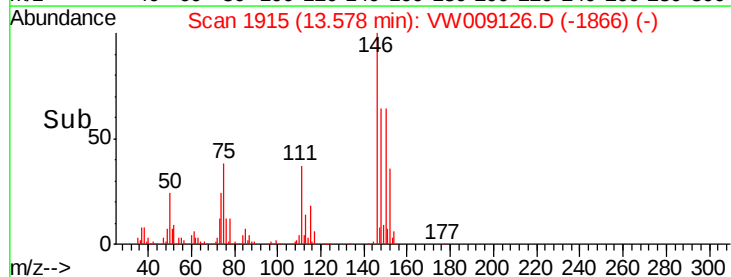
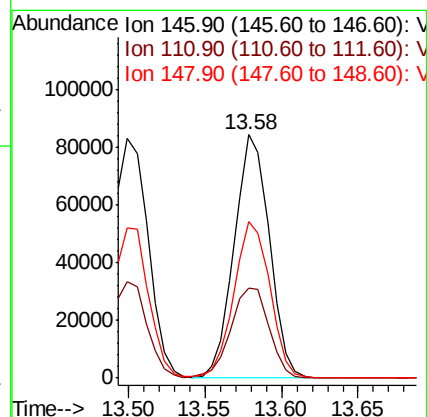
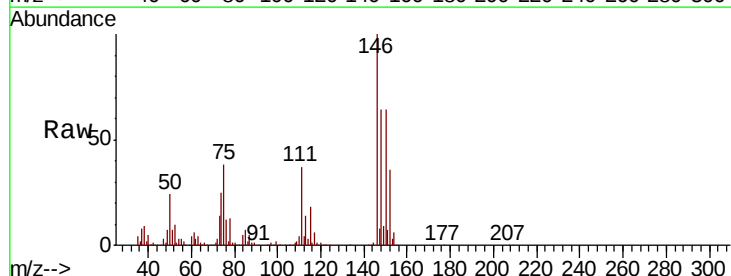
RT: 13.58 min Scan# 1915

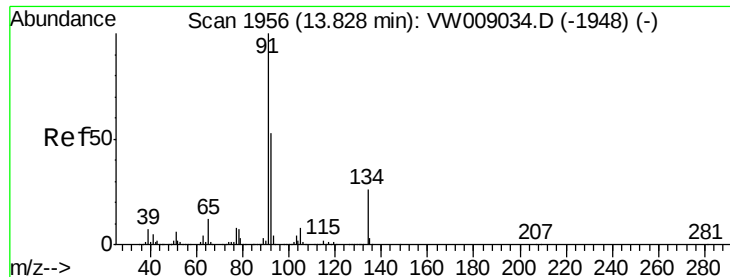
Delta R.T. -0.00 min

Lab File: VW009126.D

Acq: 12 Mar 2019 16:18

Tgt Ion:	146	Resp:	134967
Ion Ratio	Lower	Upper	
146	100		
111	40.4	19.7	59.0
148	65.8	32.2	96.6





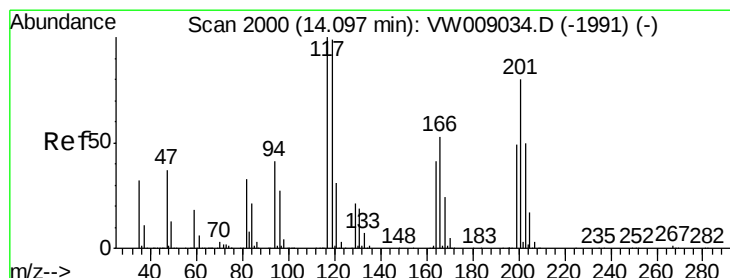
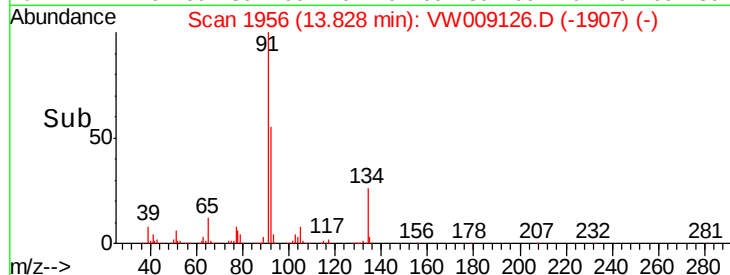
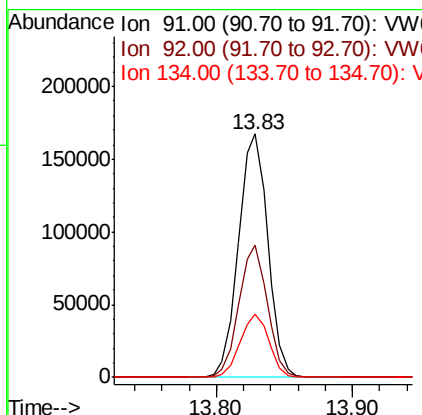
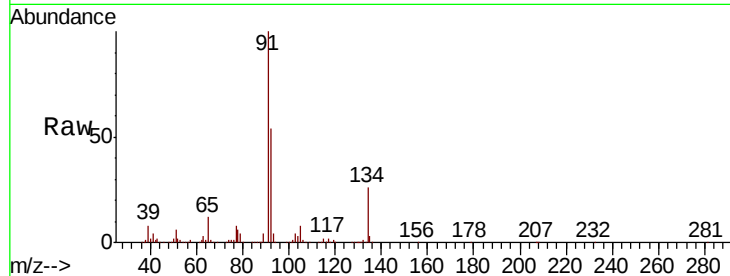
#89
n-Butylbenzene
Concen: 19.091 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.8	80.3
134	25.4	12.9	38.7

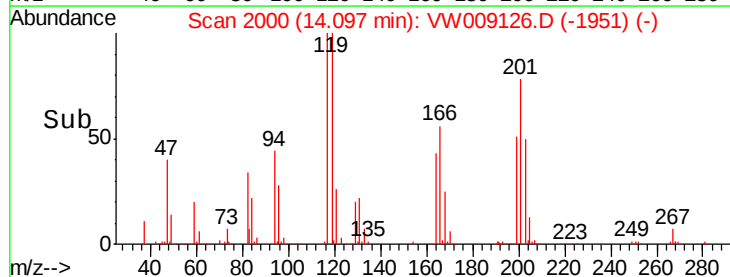
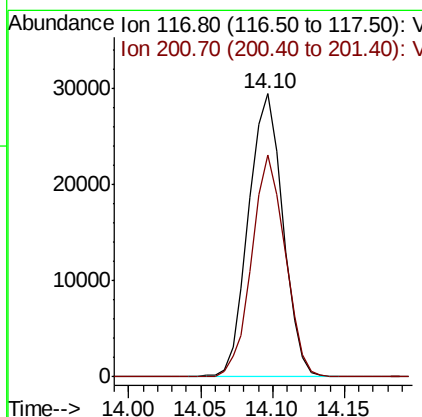
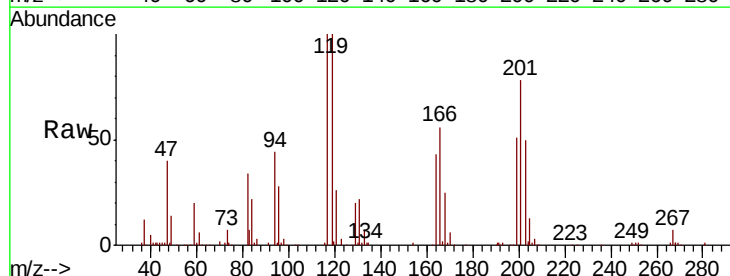
Manual Integrations
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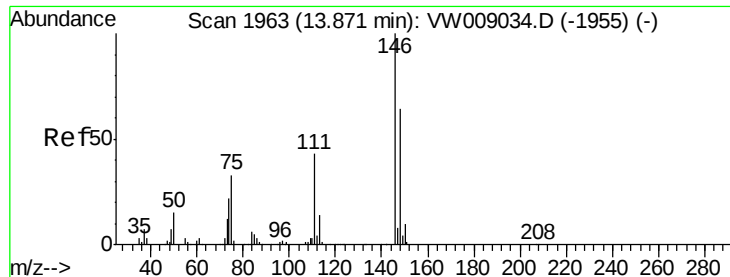
MMDadoda
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#90
Hexachloroethane
Concen: 20.233 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	39.1	117.5





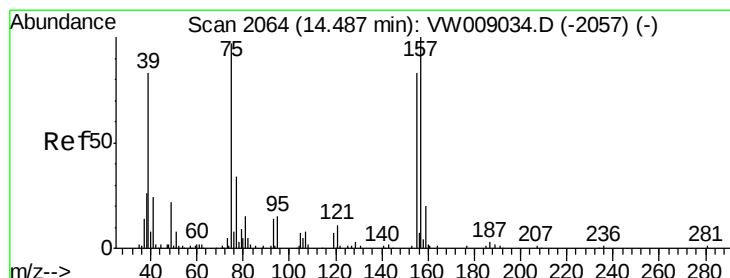
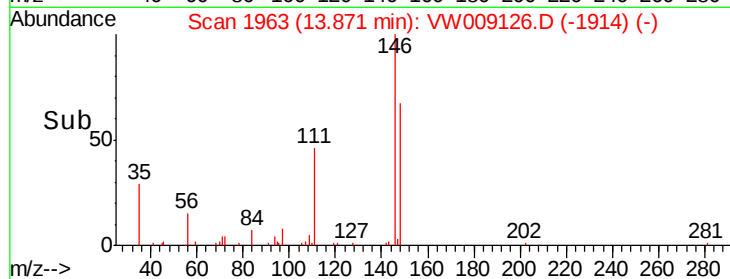
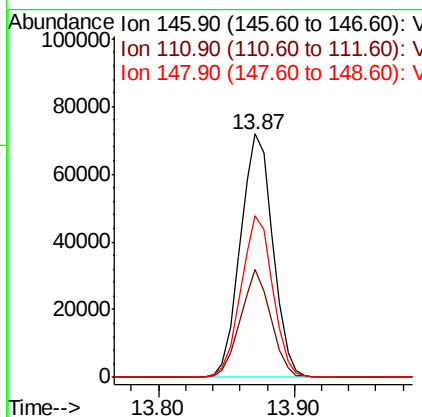
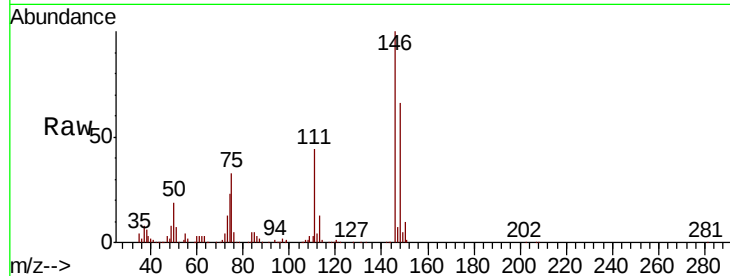
#91
 1,2-Dichlorobenzene
 Concen: 19.513 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	119395		
111	41.6		21.1	63.1
148	65.3		32.3	96.9

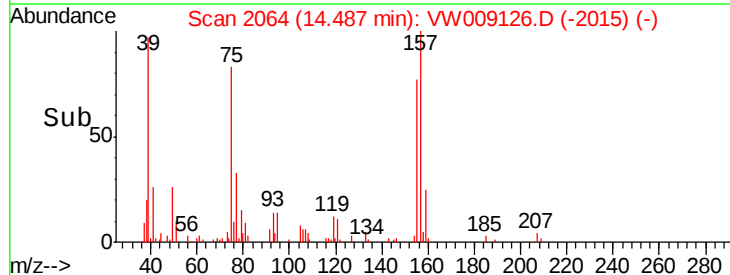
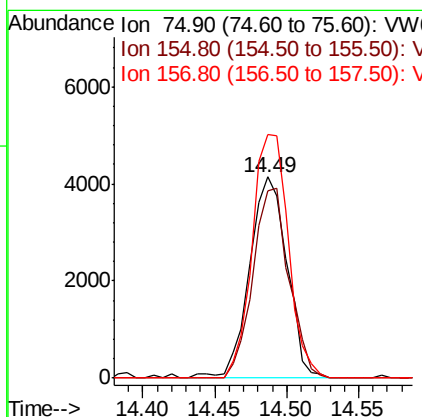
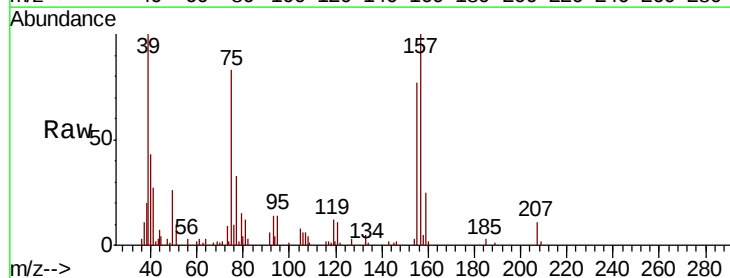
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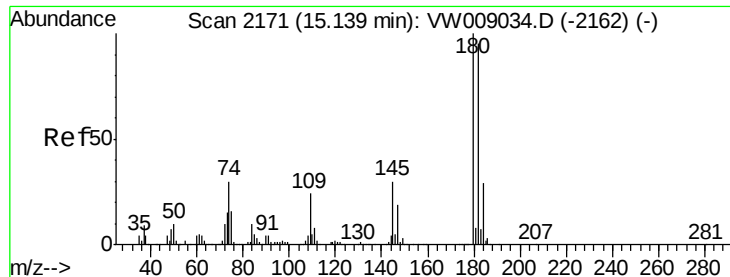
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.279 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	7417		
155	91.1		40.8	122.4
157	117.1		52.4	157.3





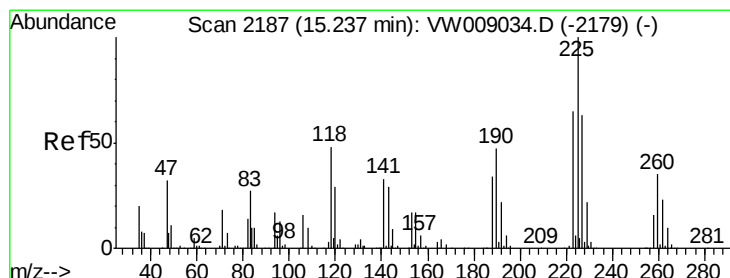
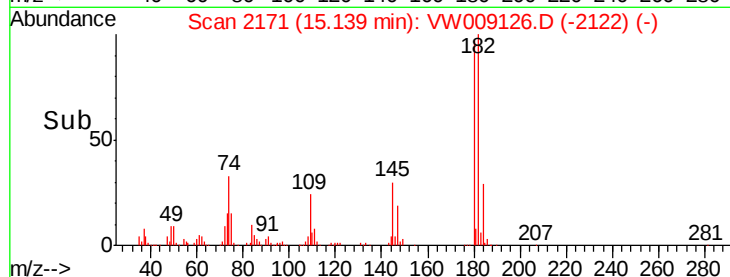
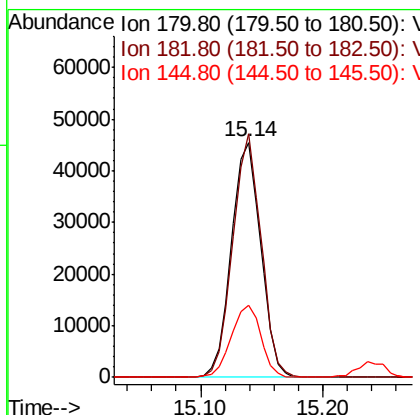
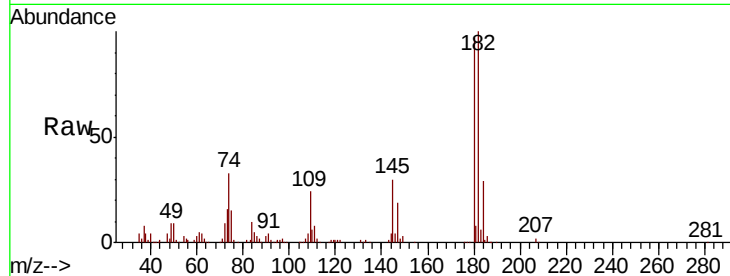
#93
 1,2,4-Trichlorobenzene
 Concen: 18.273 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	75511		
182	99.4	48.1	144.3	
145	31.0	15.4	46.1	

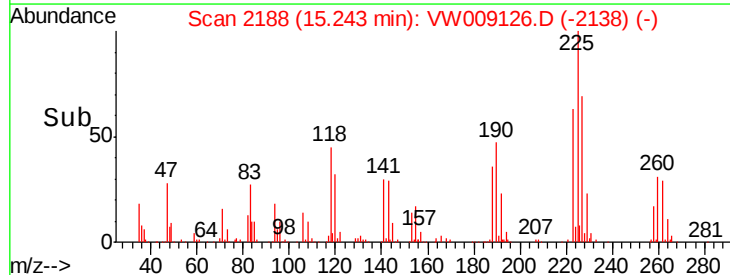
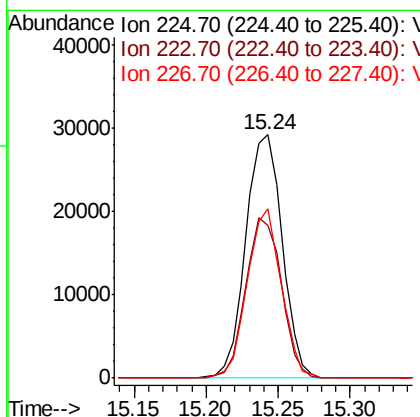
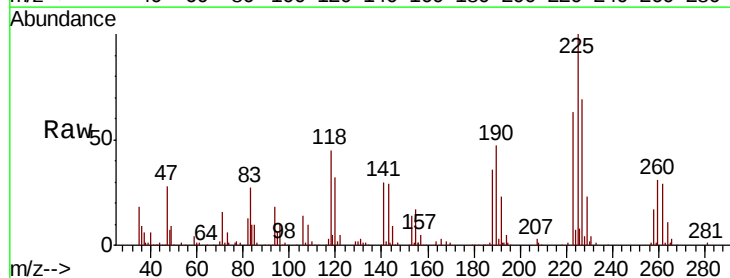
Manual Integrations
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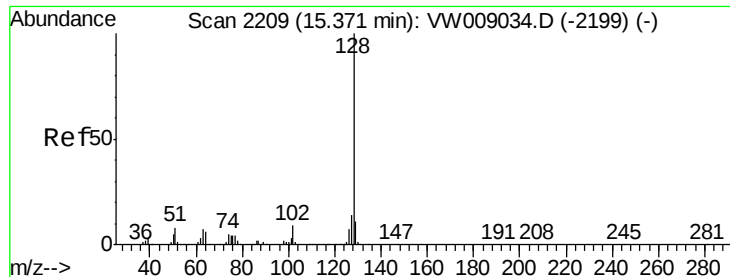
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#94
 Hexachlorobutadiene
 Concen: 19.707 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW009126.D
 Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	51007		
223	64.5	31.6	94.8	
227	65.1	32.0	96.2	





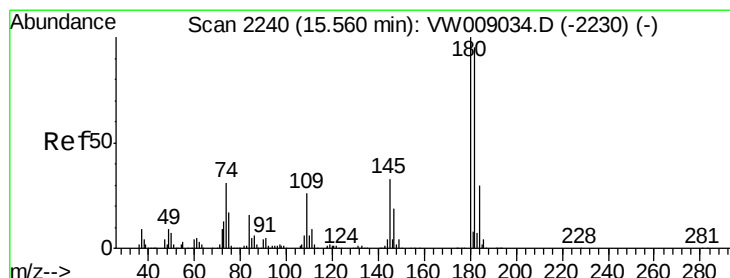
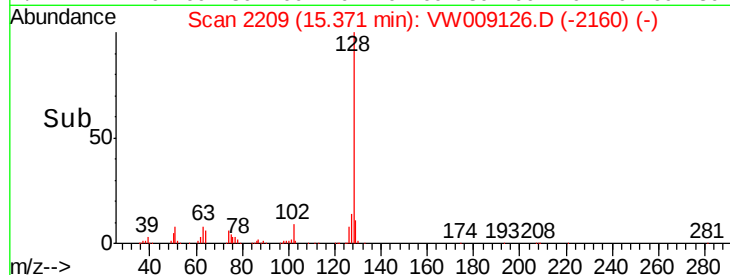
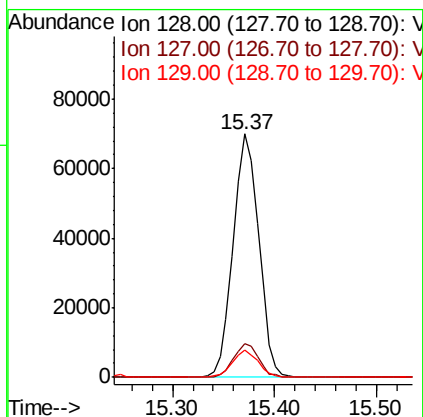
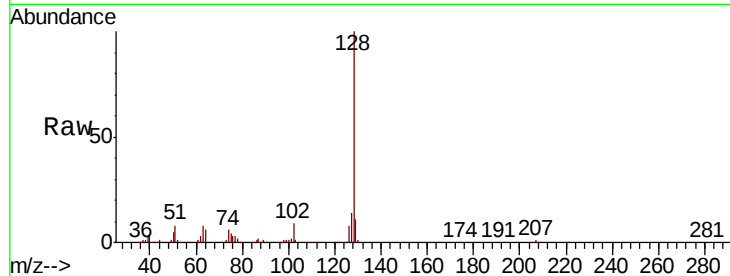
#95
Naphthalene
Concen: 17.984 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Instrument :
MSVOA_W
ClientSampleId :
VW0312SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	121651		
127	13.5		11.0	16.6
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.507 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009126.D
Acq: 12 Mar 2019 16:18

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	67246		
182	93.0		48.1	144.3
145	31.8		15.8	47.3

