

Data File : VW009021.D
Acq On : 06 Mar 2019 17:55
Operator : SY/VA
Sample : VW0306SBS01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:14 AM

Quant Time: Mar 07 07:43:23 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W030619S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 07 07:22:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	278518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383564	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	220154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	158432	56.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.40%	
35) Dibromofluoromethane	7.88	113	134866	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
50) Toluene-d8	10.32	98	564374	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
62) 4-Bromofluorobenzene	12.62	95	211581	55.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	68378	24.714	ug/l	100
3) Chloromethane	2.21	50	78433	22.506	ug/l	93
4) Vinyl Chloride	2.36	62	77509	22.194	ug/l	99
5) Bromomethane	2.75	94	61333	19.999	ug/l	97
6) Chloroethane	2.90	64	54481	22.002	ug/l	97
7) Trichlorofluoromethane	3.25	101	99171	22.045	ug/l	95
8) Diethyl Ether	3.68	74	30744	21.893	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	60936	21.829	ug/l	99
10) Methyl Iodide	4.27	142	62525	22.985	ug/l	98
11) Tert butyl alcohol	5.16	59	24843m	124.026	ug/l	
12) 1,1-Dichloroethene	4.03	96	54427	22.375	ug/l	91
13) Acrolein	3.90	56	28147	122.846	ug/l	98
14) Allyl chloride	4.67	41	93622	22.262	ug/l	99
15) Acrylonitrile	5.37	53	70555	117.359	ug/l	97
16) Acetone	4.13	43	67454	117.534	ug/l	97
17) Carbon Disulfide	4.37	76	179154	21.977	ug/l	100
18) Methyl Acetate	4.68	43	29822	22.794	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	147565	23.434	ug/l	99
20) Methylene Chloride	4.92	84	68801	22.356	ug/l	96
21) trans-1,2-Dichloroethene	5.42	96	60929	21.898	ug/l	95
22) Diisopropyl ether	6.31	45	190298	22.661	ug/l	98
23) Vinyl Acetate	6.26	43	609301	116.497	ug/l	98
24) 1,1-Dichloroethane	6.21	63	109772	22.481	ug/l	98
25) 2-Butanone	7.17	43	96190	117.818	ug/l	96
26) 2,2-Dichloropropane	7.17	77	98771	22.114	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	64864	22.145	ug/l	99
28) Bromochloromethane	7.51	49	46445	21.913	ug/l	99
29) Tetrahydrofuran	7.53	42	62538	121.928	ug/l	97
30) Chloroform	7.68	83	112210	22.445	ug/l	100
31) Cyclohexane	7.95	56	110814	22.069	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	103768	22.598	ug/l	96
36) 1,1-Dichloropropene	8.08	75	90820	23.068	ug/l	99
37) Ethyl Acetate	7.26	43	41261	23.694	ug/l	98
38) Carbon Tetrachloride	8.07	117	89935	22.074	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	106197	22.328	ug/l	98
40) Benzene	8.32	78	238781	22.485	ug/l	99
41) Methacrylonitrile	7.48	41	23271	22.529	ug/l	94
42) 1,2-Dichloroethane	8.40	62	76816	22.538	ug/l	99
43) Isopropyl Acetate	8.43	43	81022	23.668	ug/l	99
44) Trichloroethene	9.09	130	67096	22.660	ug/l	94
45) 1,2-Dichloropropane	9.37	63	60184	22.861	ug/l	98
46) Dibromomethane	9.46	93	32357	22.279	ug/l	96
47) Bromodichloromethane	9.64	83	81479	22.379	ug/l	98
48) Methyl methacrylate	9.43	41	36364	22.480	ug/l	94
49) 1,4-Dioxane	9.45	88	9765	491.829	ug/l #	99
51) 4-Methyl-2-Pentanone	10.21	43	208948	120.700	ug/l	99
52) Toluene	10.39	92	158873	22.161	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	83372	23.084	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95085	23.062	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	45670	23.152	ug/l	99
56) Ethyl methacrylate	10.65	69	58091	23.807	ug/l	97
57) 1,3-Dichloropropane	10.93	76	81009	23.353	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	149407	115.393	ug/l	99
59) 2-Hexanone	10.97	43	151019	124.092	ug/l	97
60) Dibromochloromethane	11.13	129	54784	22.865	ug/l	99
61) 1,2-Dibromoethane	11.23	107	43766	23.408	ug/l	100
64) Tetrachloroethene	10.86	164	59221	22.361	ug/l	98
65) Chlorobenzene	11.66	112	177633	22.312	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	60838	22.754	ug/l	97
67) Ethyl Benzene	11.73	91	320758	22.221	ug/l	99
68) m/p-Xylenes	11.84	106	255866	44.922	ug/l	99
69) o-Xylene	12.16	106	120206	22.607	ug/l	99
70) Styrene	12.18	104	194117	22.536	ug/l	99
71) Bromoform	12.35	173	31607	22.187	ug/l #	95
73) Isopropylbenzene	12.46	105	326950	21.697	ug/l	99
74) N-amyl acetate	12.27	43	84677	23.585	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.71	83	51761	22.022	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	30305m	17.368	ug/l	
77) Bromobenzene	12.75	156	76422	22.402	ug/l	98
78) n-propylbenzene	12.80	91	405890	21.940	ug/l	99
79) 2-Chlorotoluene	12.90	91	231216	22.135	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	291085	22.508	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	16096	22.826	ug/l	95
82) 4-Chlorotoluene	12.99	91	239398	21.546	ug/l	98
83) tert-Butylbenzene	13.21	119	240834	21.613	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	295607	22.328	ug/l	100
85) sec-Butylbenzene	13.38	105	359786	22.133	ug/l	99
86) p-Isopropyltoluene	13.50	119	320182	21.883	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	159771	21.877	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	157317	21.719	ug/l	98
89) n-Butylbenzene	13.83	91	306325	22.114	ug/l	99
90) Hexachloroethane	14.10	117	51972	20.734	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	142522	22.305	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	9840	22.905	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW030619\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	101290	23.150	ug/l	99
94) Hexachlorobutadiene	15.24	225	61994	22.291	ug/l	97
95) Naphthalene	15.37	128	168002	23.682	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	90477	23.884	ug/l	99

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

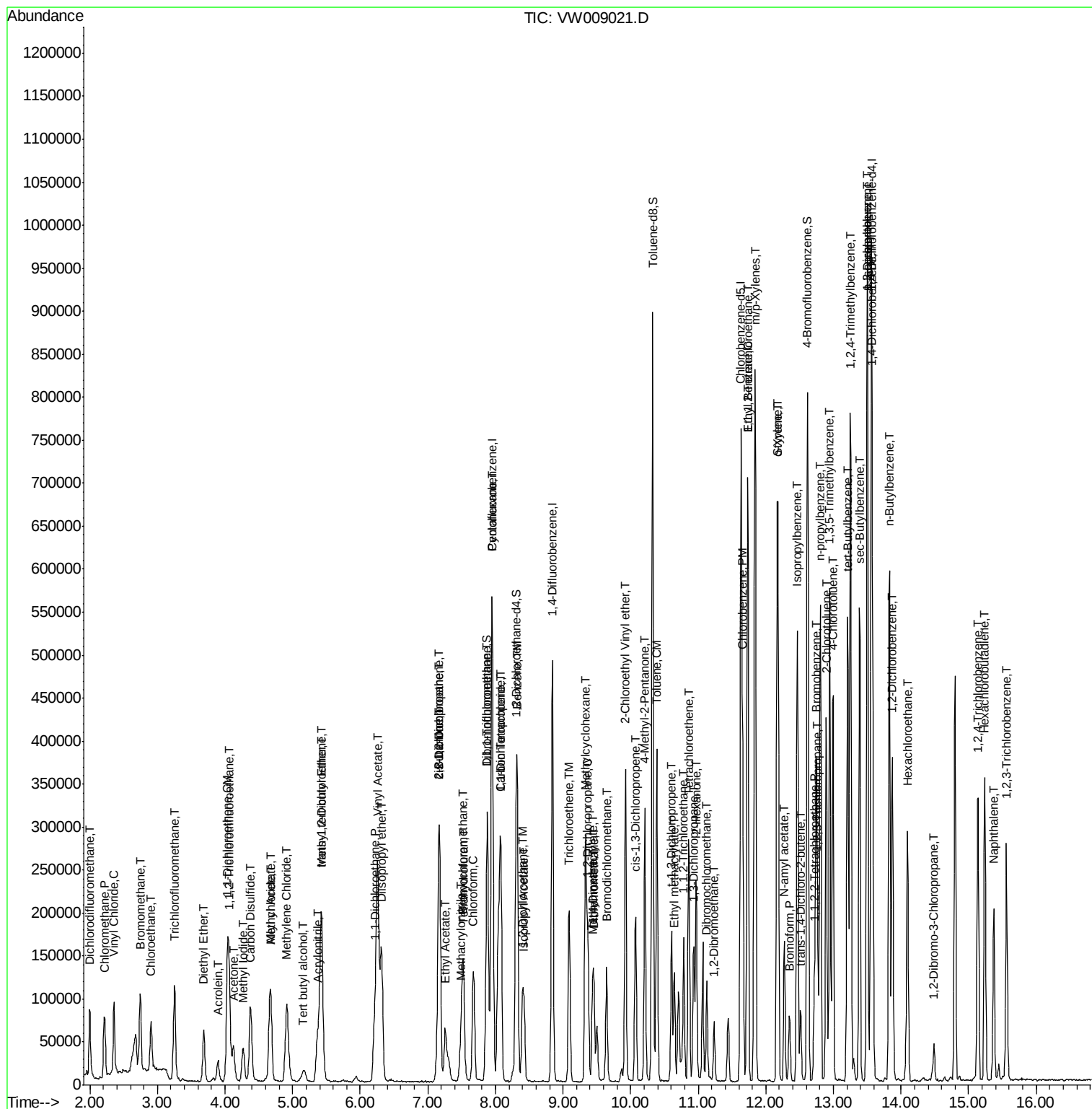
Data File : VW009021.D
Acq On : 06 Mar 2019 17:55
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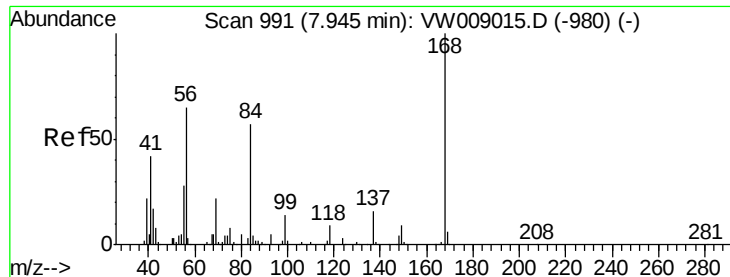
Instrument :
MSVOA_W
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 168 Resp: 278518

Ion Ratio Lower Upper

168 100

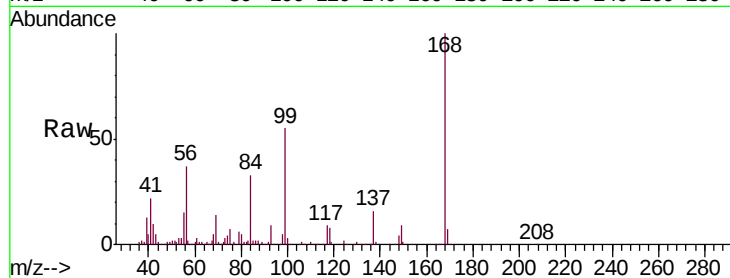
99 55.3 43.5 65.3

Manual Integrations

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3/8/2019 12:07:14 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

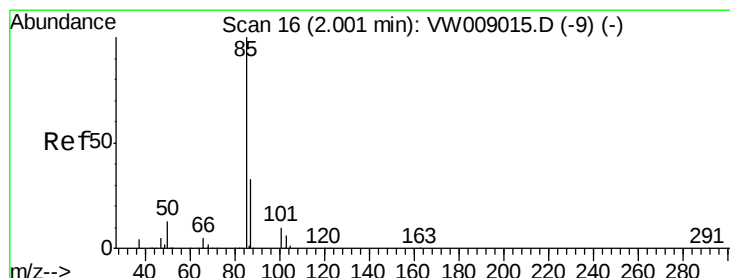
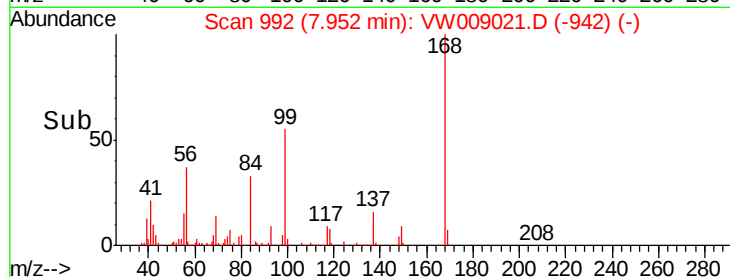
7.95

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 24.714 ug/l

RT: 2.00 min Scan# 15

Delta R.T. -0.01 min

Lab File: VW009021.D

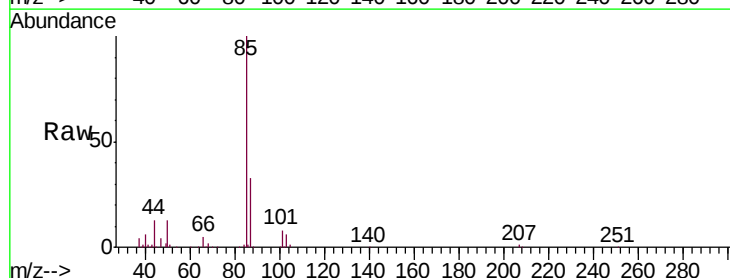
Acq: 06 Mar 2019 17:55

Tgt Ion: 85 Resp: 68378

Ion Ratio Lower Upper

85 100

87 32.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

50000

40000

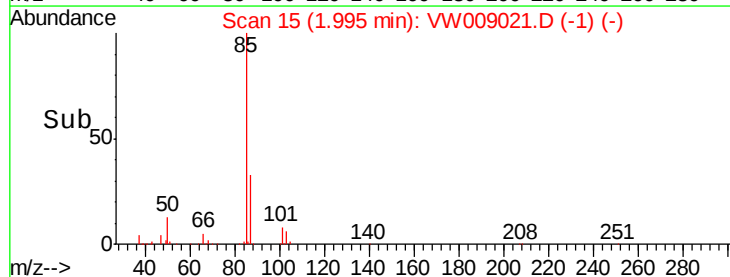
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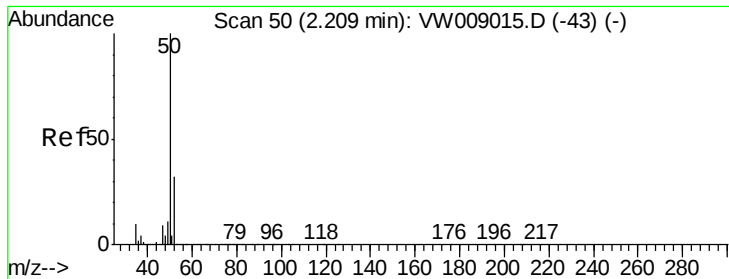
20000

10000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 22.506 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 50 Resp: 78433

Ion Ratio Lower Upper

50 100

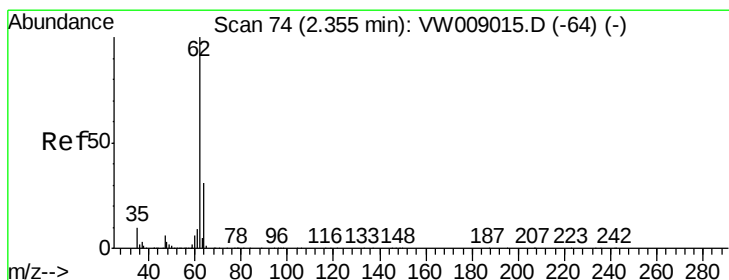
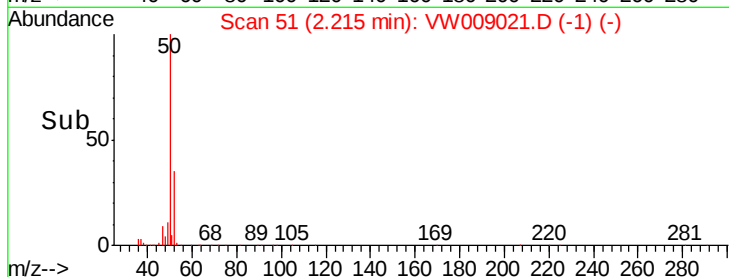
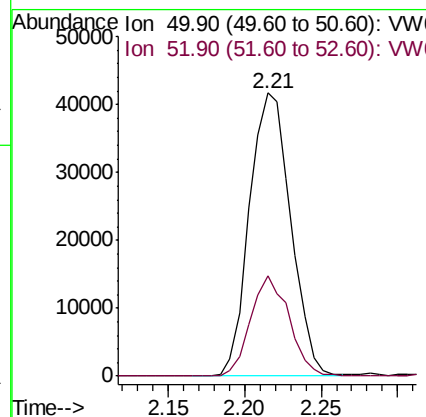
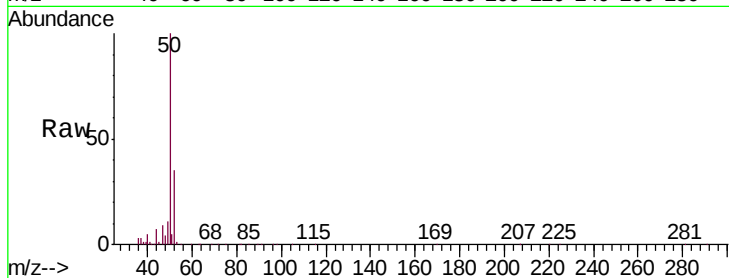
52 35.5 25.3 37.9

Manual Integrations

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3/8/2019 12:07:14 AM



#4

Vinyl Chloride

Concen: 22.194 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW009021.D

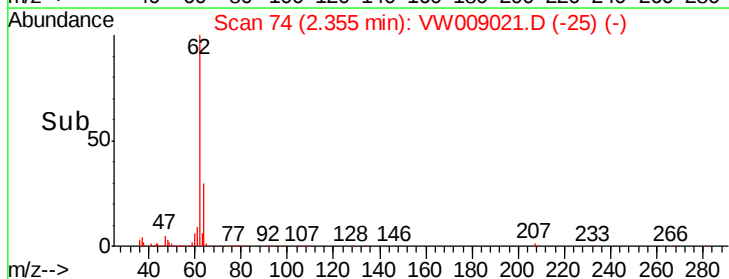
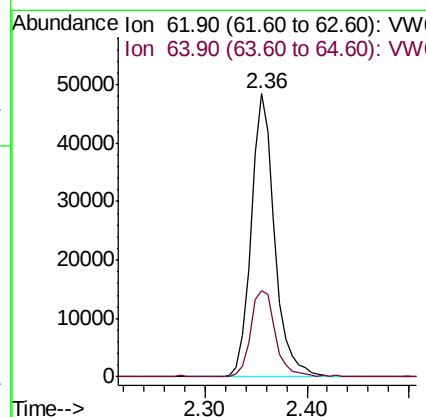
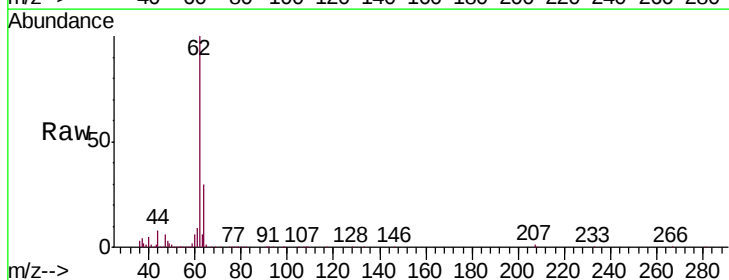
Acq: 06 Mar 2019 17:55

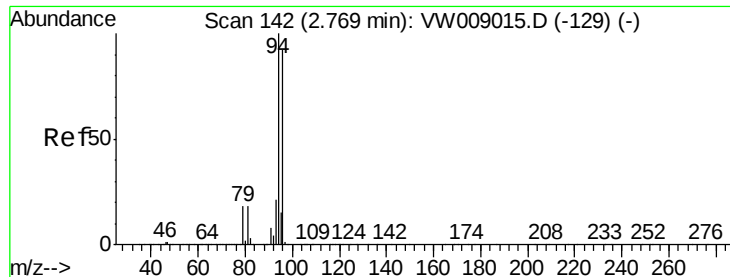
Tgt Ion: 62 Resp: 77509

Ion Ratio Lower Upper

62 100

64 30.4 24.6 36.8





#5

Bromomethane

Concen: 19.999 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.02 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBSD01

Tgt Ion: 94 Resp: 61333

Ion Ratio Lower Upper

94 100

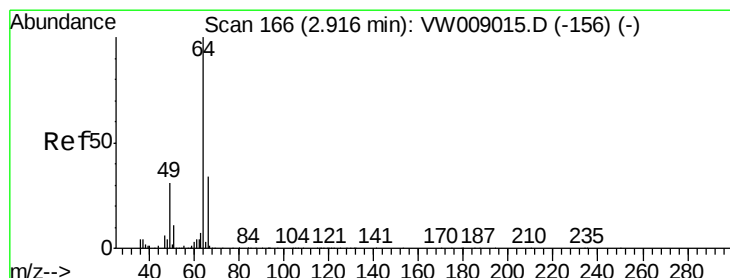
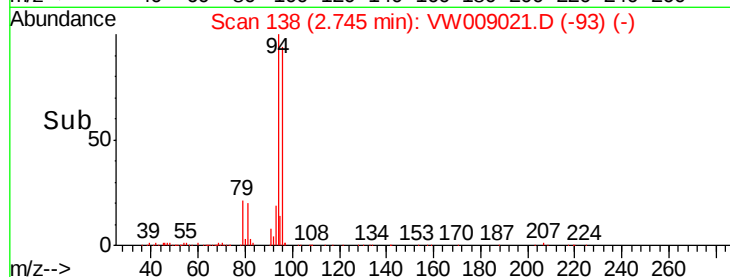
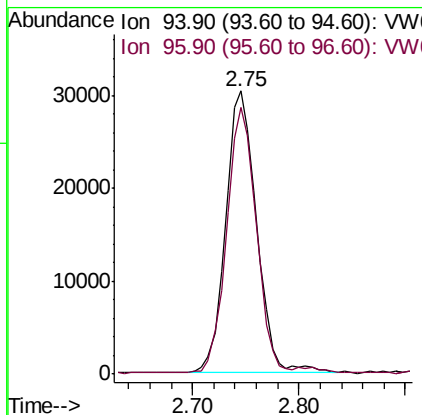
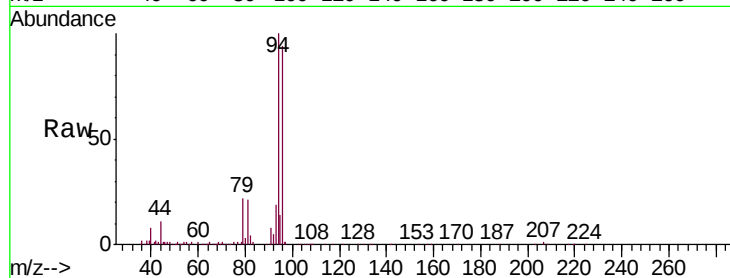
96 94.2 73.4 110.0

Manual Integrations

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3/8/2019 12:07:14 AM



#6

Chloroethane

Concen: 22.002 ug/l

RT: 2.90 min Scan# 164

Delta R.T. -0.01 min

Lab File: VW009021.D

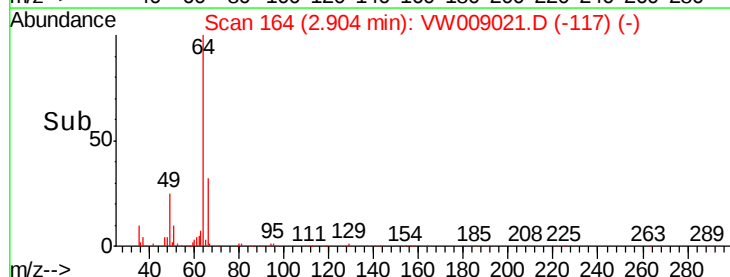
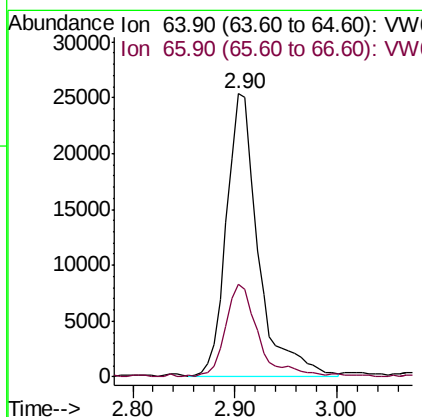
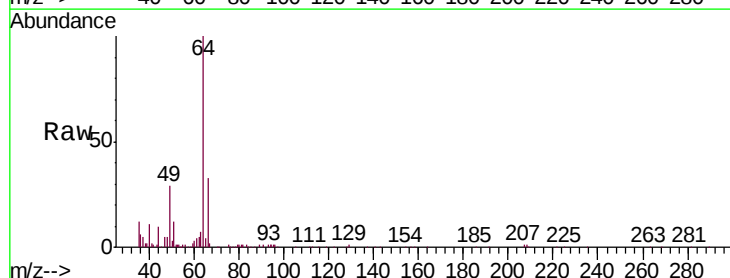
Acq: 06 Mar 2019 17:55

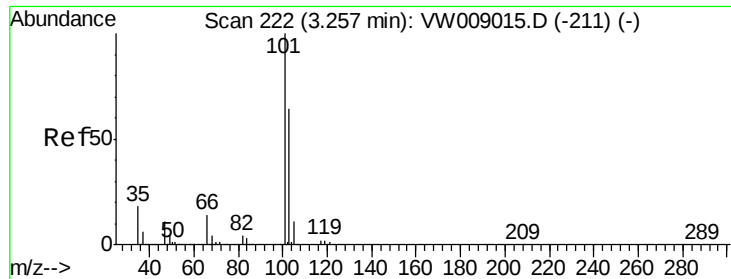
Tgt Ion: 64 Resp: 54481

Ion Ratio Lower Upper

64 100

66 32.1 27.2 40.8





#7

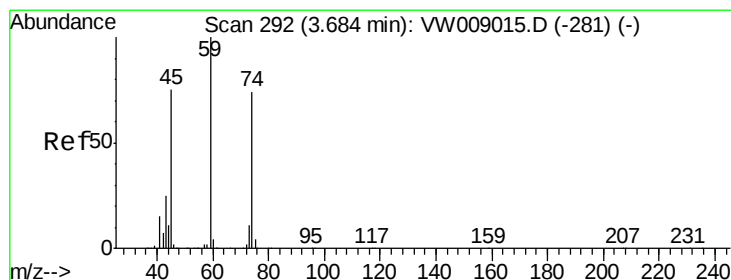
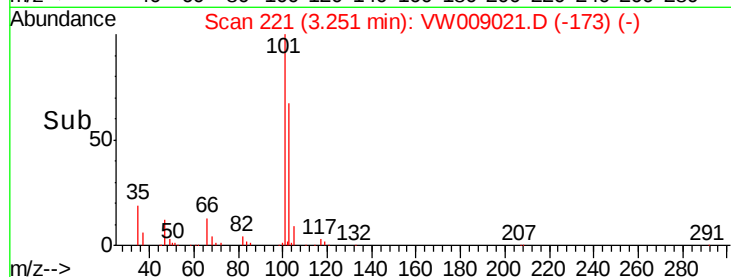
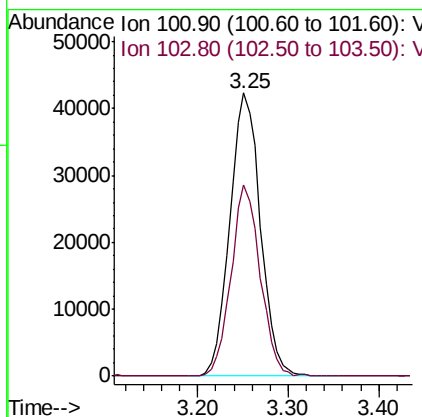
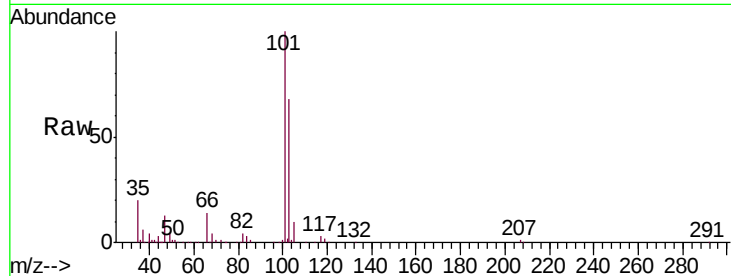
Trichlorofluoromethane
 Concen: 22.045 ug/l
 RT: 3.25 min Scan# 221
 Delta R.T. -0.01 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.1	76.7

Manual Integrations
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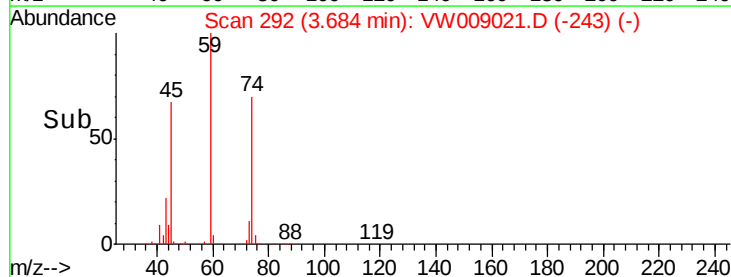
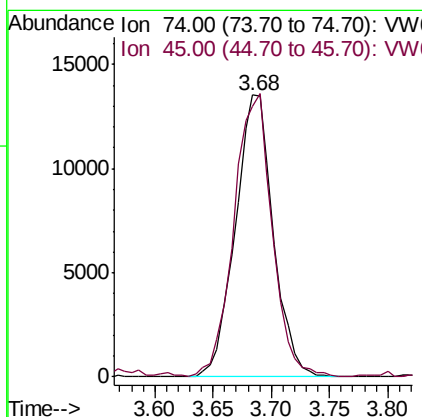
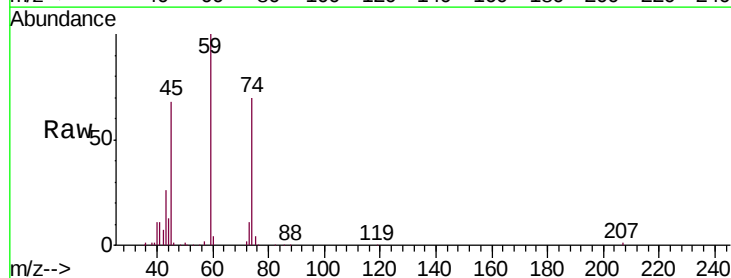
MMDadoda
 3/8/2019 12:07:14 AM

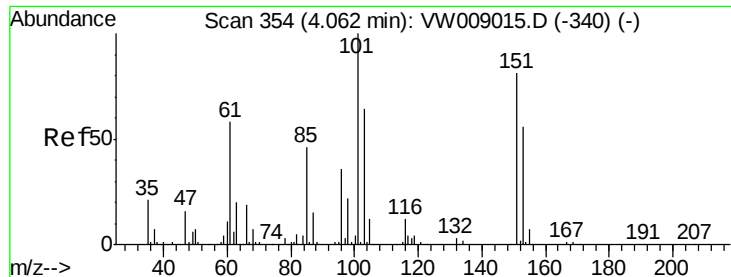


#8

Diethyl Ether
 Concen: 21.893 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	48.8	146.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.829 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW009021.D

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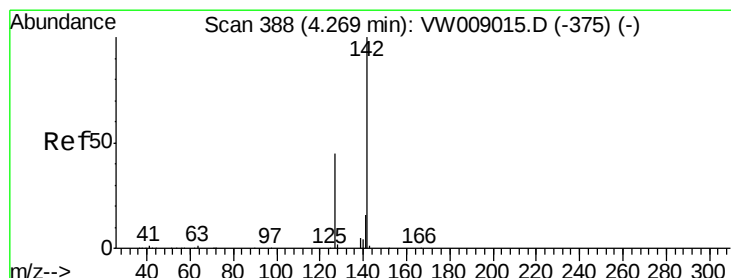
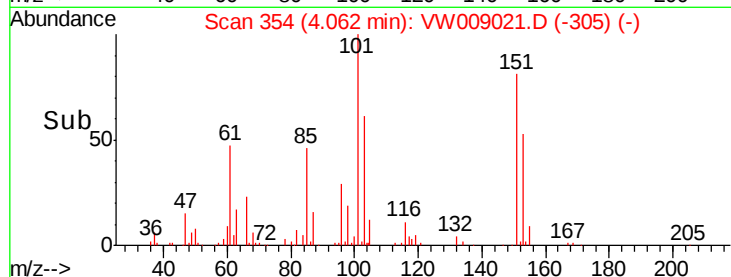
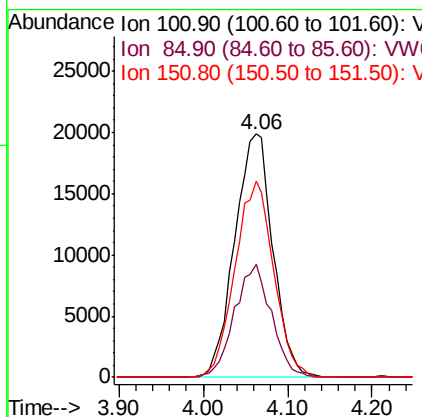
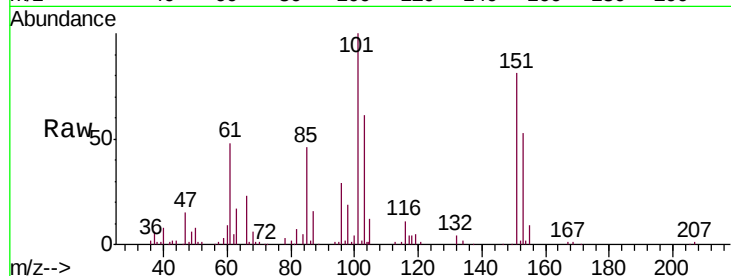
ClientSampled :

VW0306SBS01

Tgt Ion:	101	Resp:	60936
Ion Ratio	Lower	Upper	
101	100		
85	44.7	36.6	55.0
151	81.5	66.0	99.0

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#10

Methyl Iodide

Concen: 22.985 ug/l

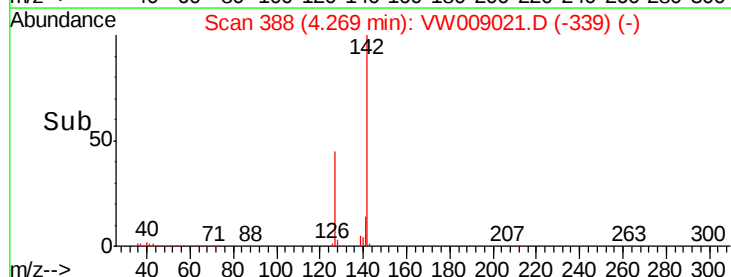
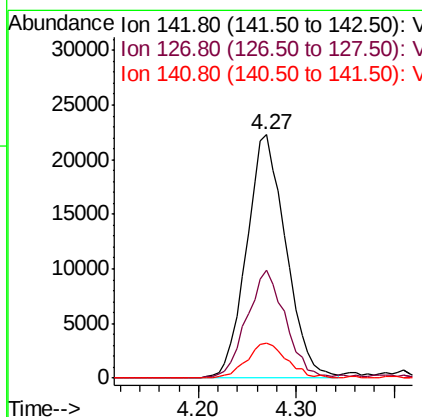
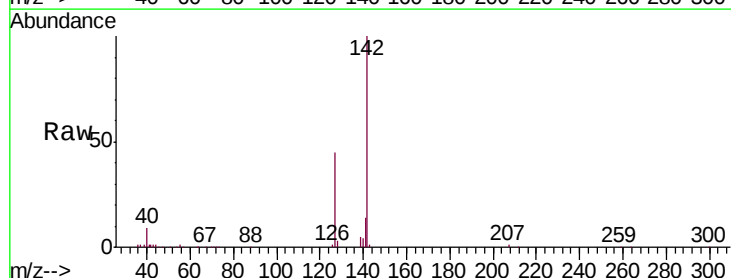
RT: 4.27 min Scan# 388

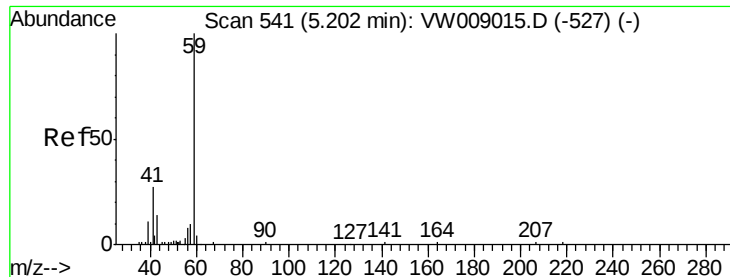
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	142	Resp:	62525
Ion Ratio	Lower	Upper	
142	100		
127	43.9	36.2	54.2
141	14.8	12.3	18.5





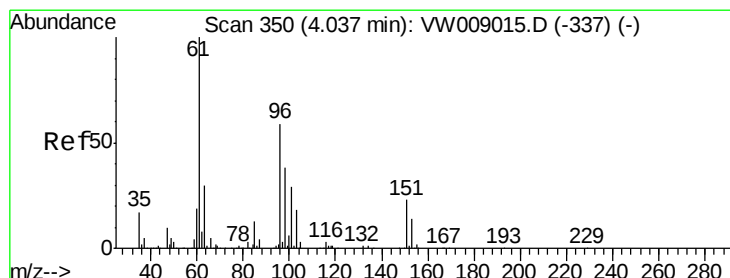
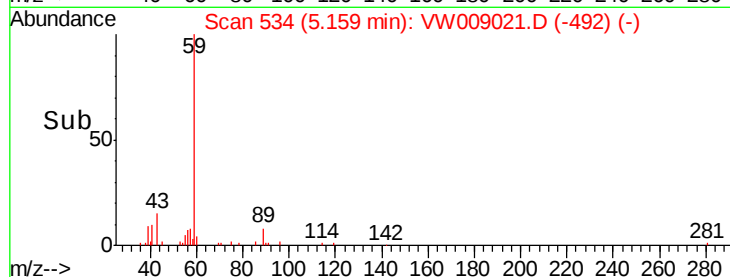
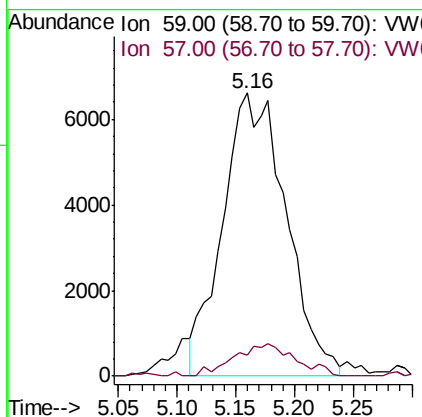
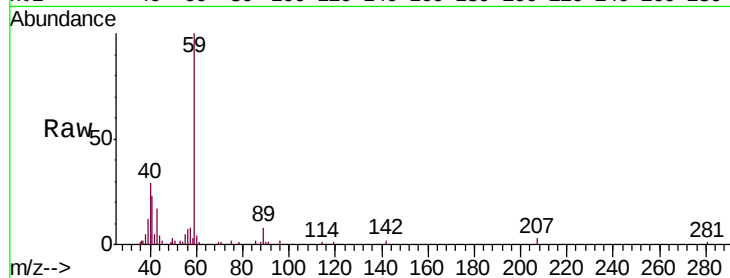
#11
Tert butyl alcohol
Concen: 124.026 ug/l m
RT: 5.16 min Scan# 534
Delta R.T. -0.04 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 59 Resp: 24843
Ion Ratio Lower Upper
59 100
57 11.2 9.0 13.6

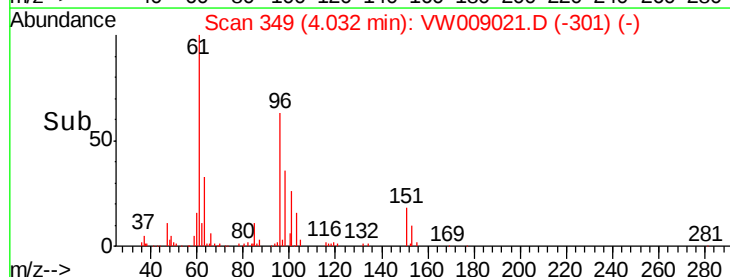
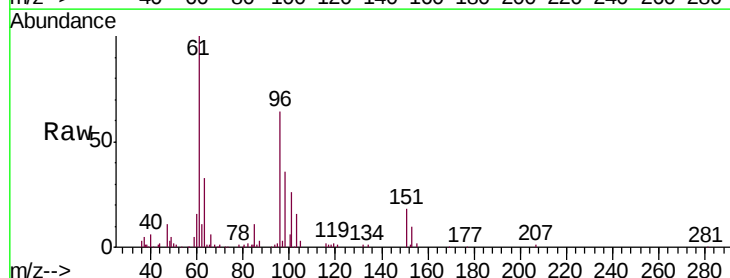
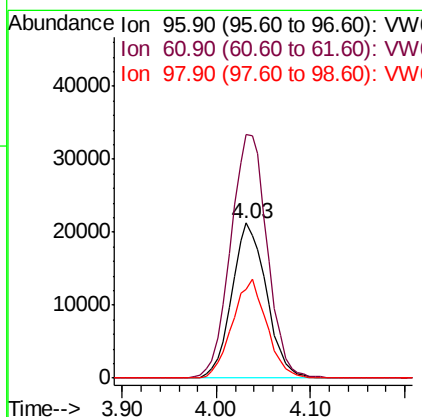
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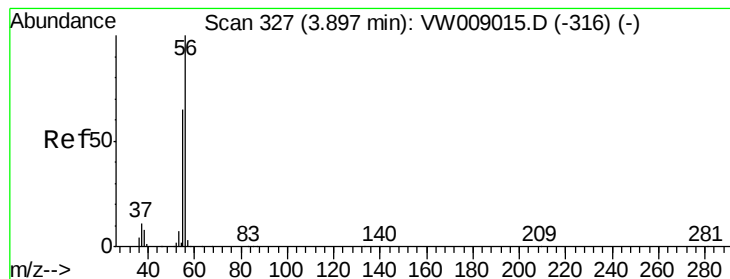
MMDadoda
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#12
1,1-Dichloroethene
Concen: 22.375 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 96 Resp: 54427
Ion Ratio Lower Upper
96 100
61 157.2 135.8 203.6
98 57.3 51.6 77.4





#13

Acrolein

Concen: 122.846 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 56 Resp: 28147

Ion Ratio Lower Upper

56 100

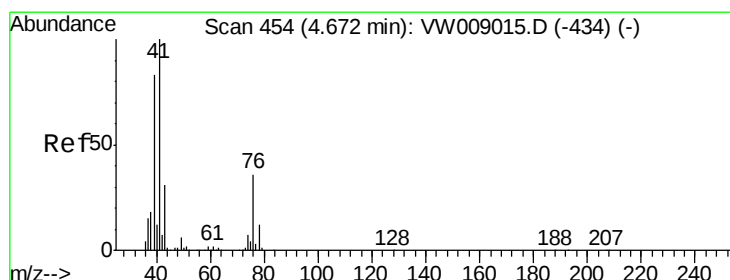
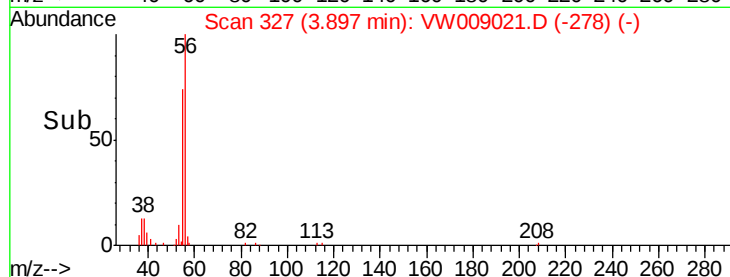
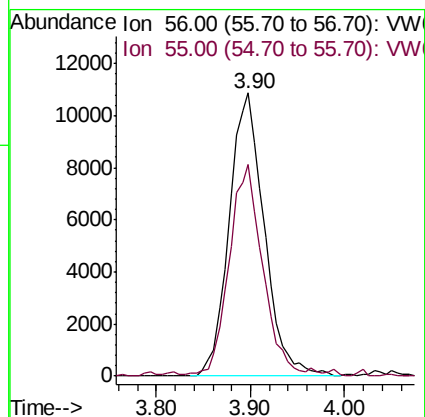
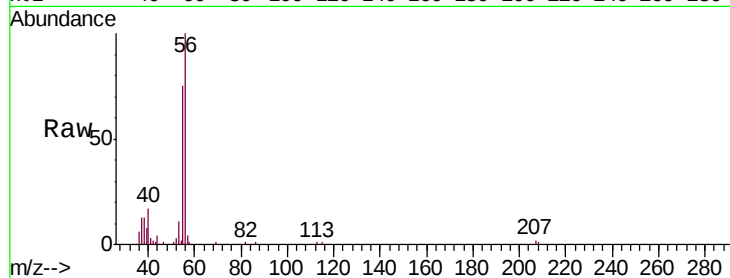
55 69.4 57.1 85.7

Manual Integrations

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#14

Allyl chloride

Concen: 22.262 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

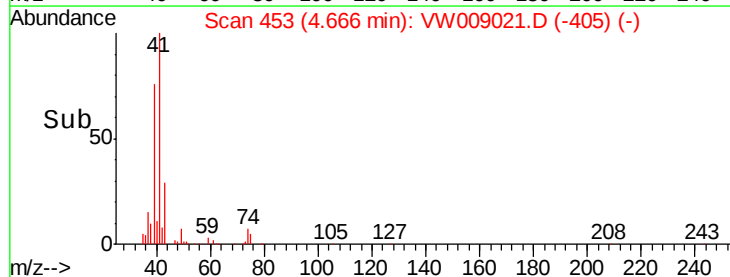
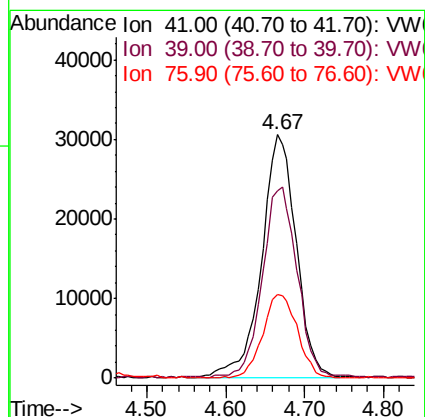
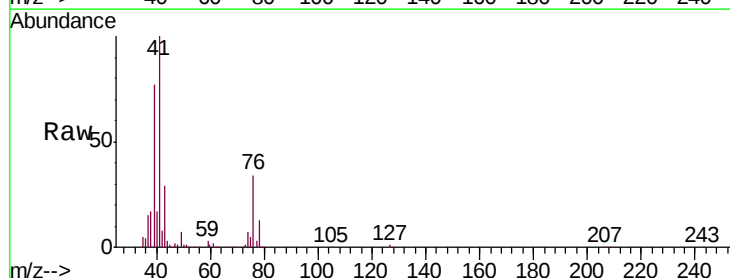
Tgt Ion: 41 Resp: 93622

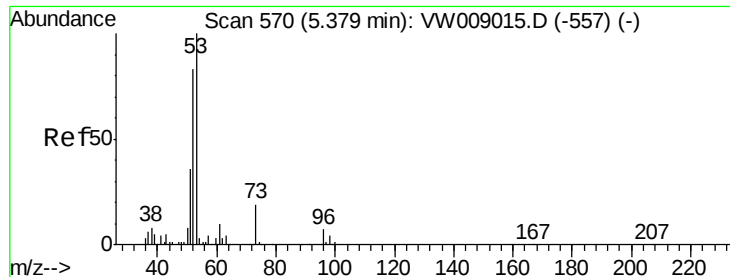
Ion Ratio Lower Upper

41 100

39 79.2 63.6 95.4

76 34.3 27.9 41.9





#15

Acrylonitrile

Concen: 117.359 ug/l

RT: 5.37 min Scan# 568

Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

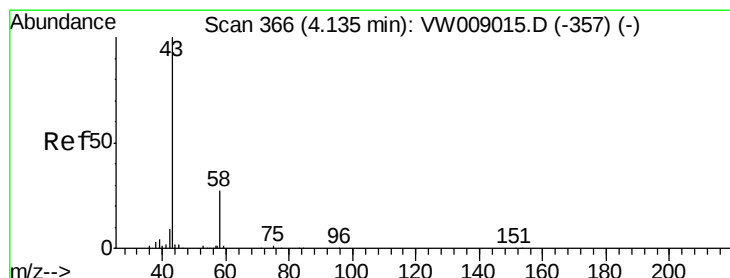
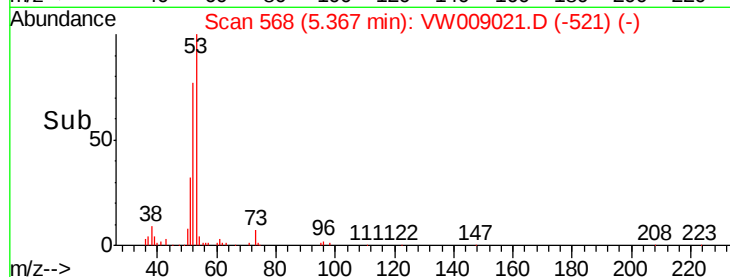
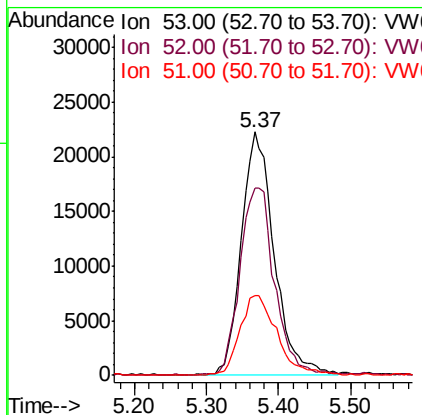
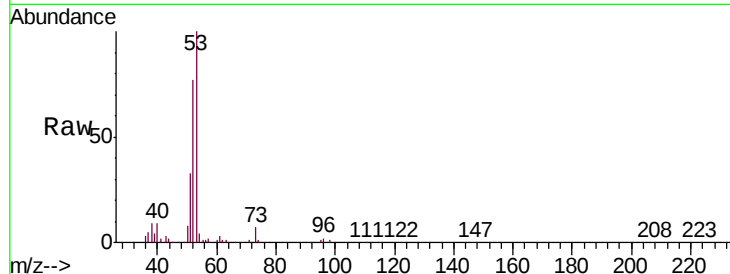
ClientSampleId :

VW0306SBS01

Tgt Ion:	53	Resp:	70555
Ion	Ratio	Lower	Upper
53	100		
52	79.9	66.6	100.0
51	37.1	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 117.534 ug/l

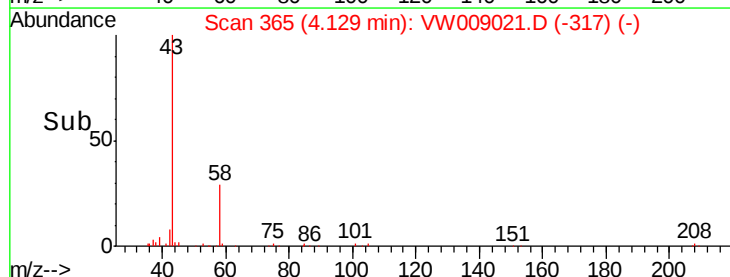
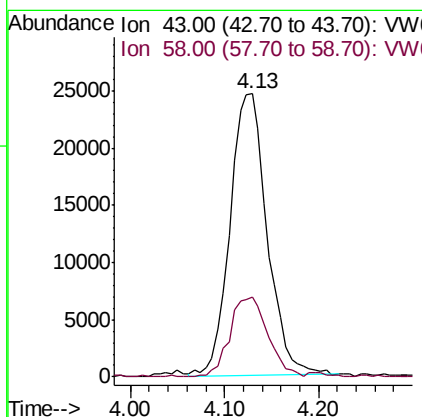
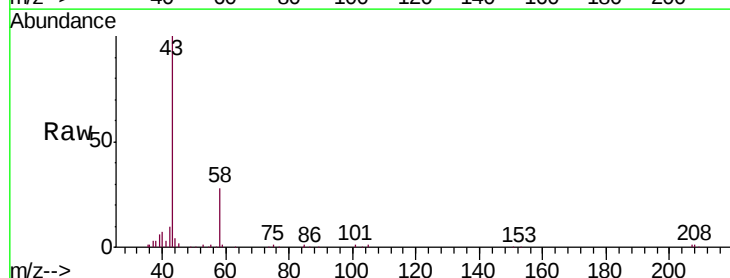
RT: 4.13 min Scan# 365

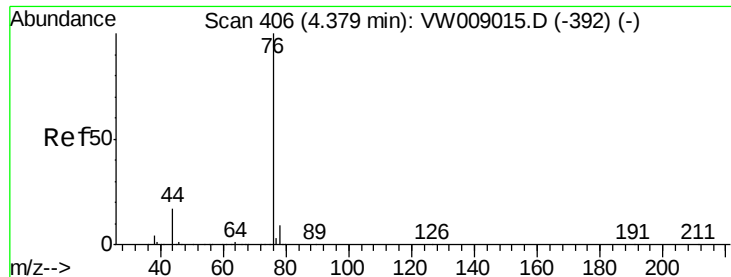
Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	43	Resp:	67454
Ion	Ratio	Lower	Upper
43	100		
58	28.5	21.6	32.4





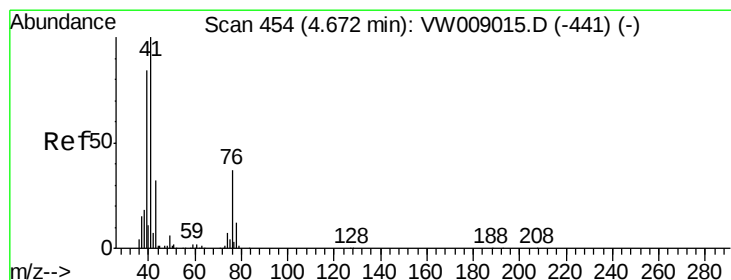
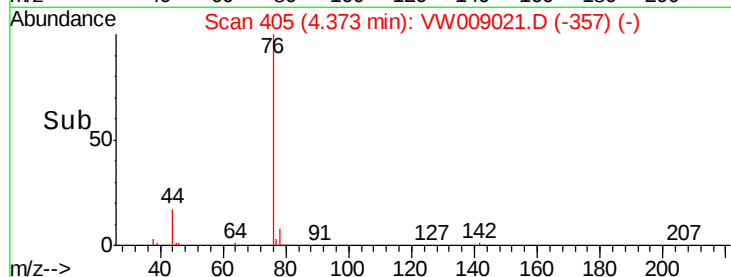
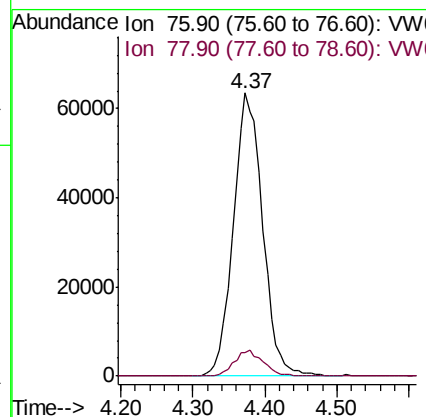
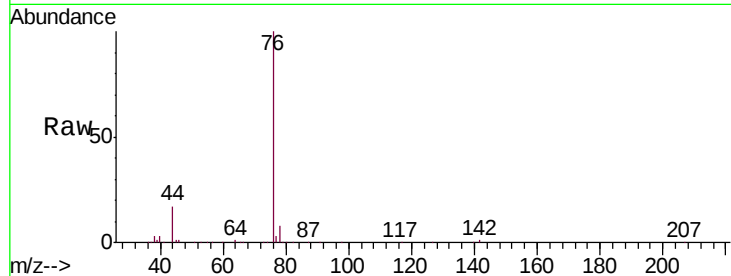
#17
Carbon Disulfide
Concen: 21.977 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.5	6.9	10.3

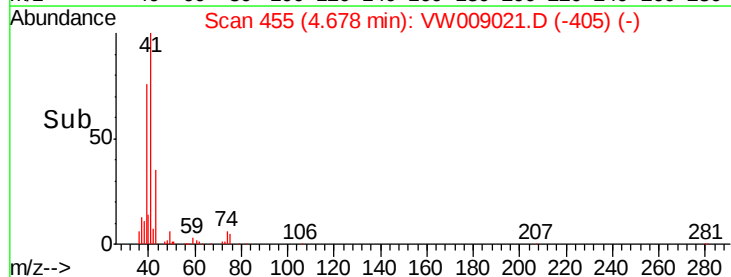
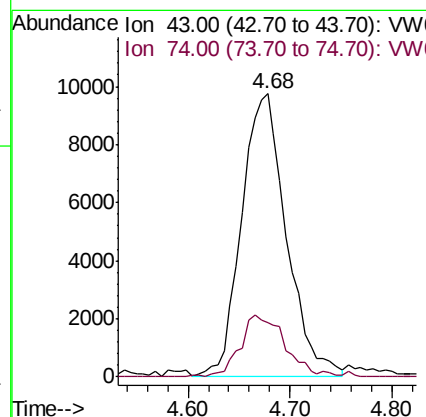
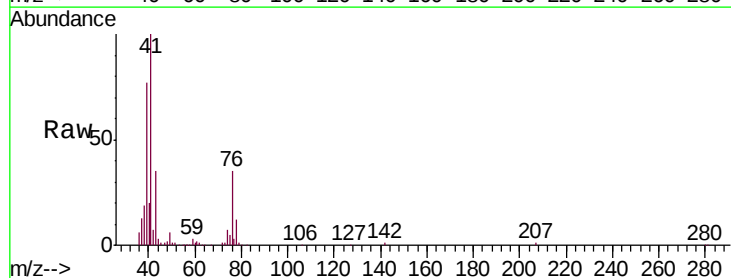
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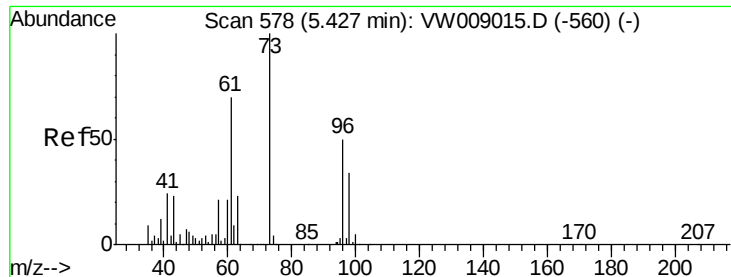
MMDadoda
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#18
Methyl Acetate
Concen: 22.794 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.7	26.5





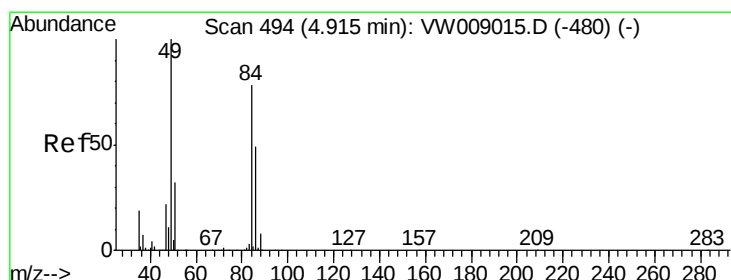
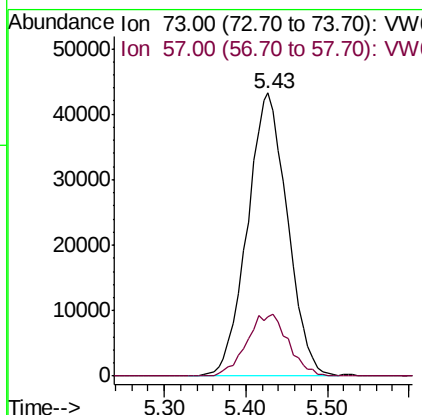
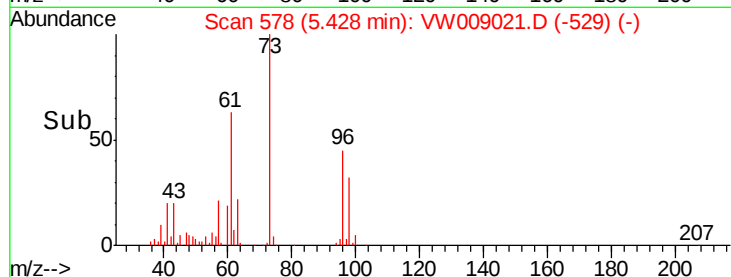
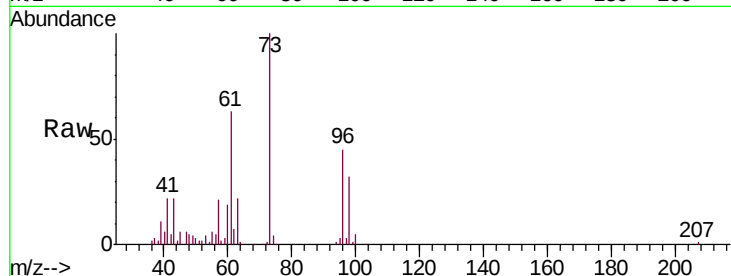
#19
Methyl tert-butyl Ether
Concen: 23.434 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 73 Resp: 147565
Ion Ratio Lower Upper
73 100
57 20.7 17.0 25.6

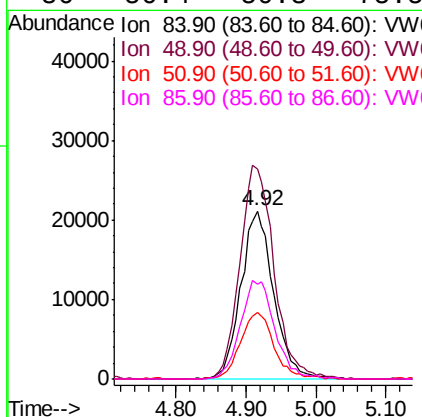
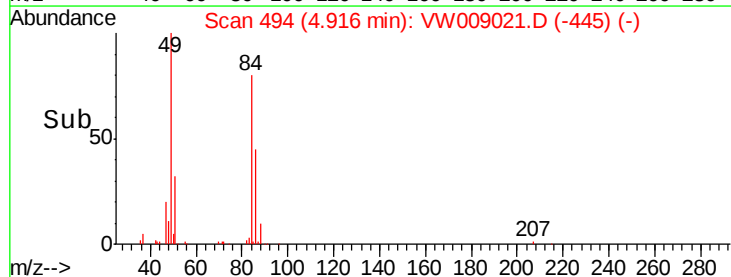
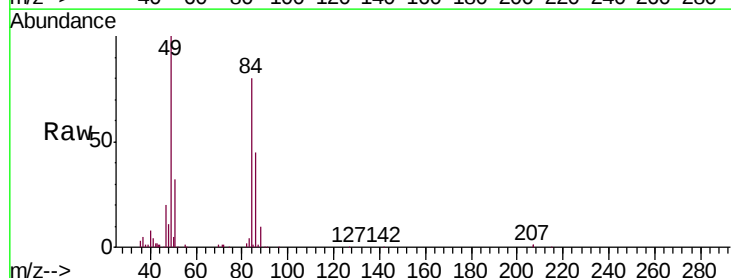
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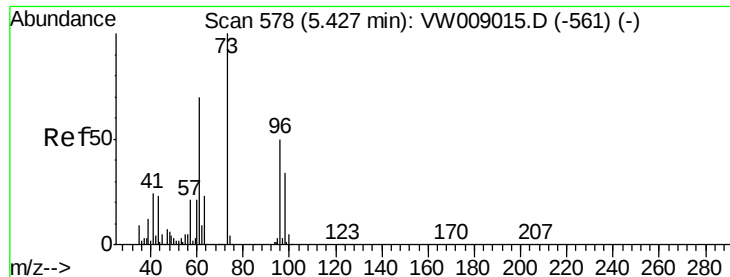
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#20
Methylene Chloride
Concen: 22.356 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 84 Resp: 68801
Ion Ratio Lower Upper
84 100
49 125.0 102.8 154.2
51 39.8 32.4 48.6
86 56.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.898 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

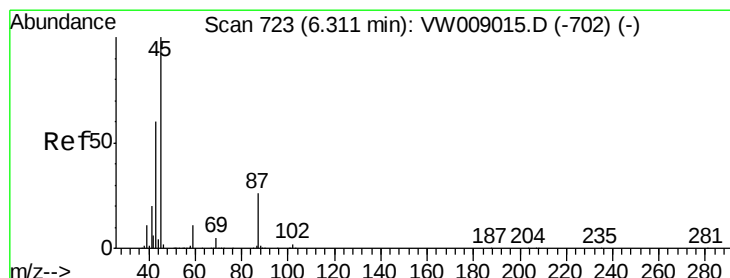
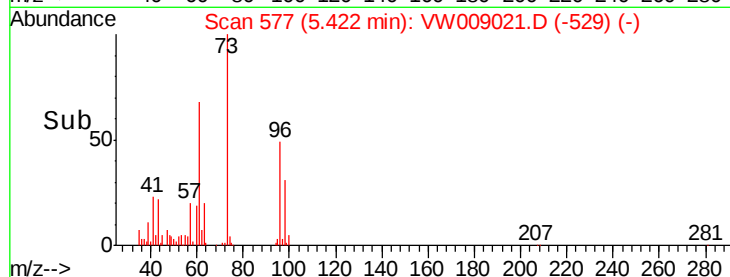
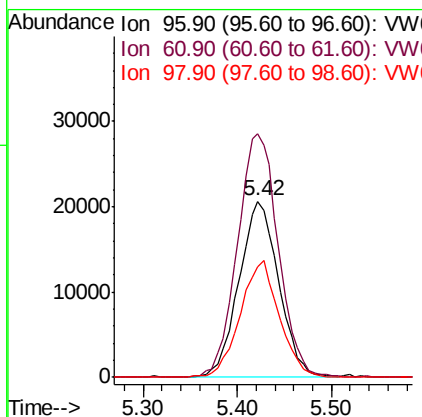
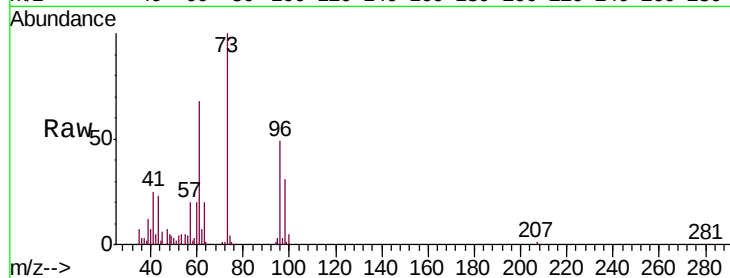
ClientSampleId :

VW0306SBS01

Tgt Ion:	96	Resp:	60929
Ion	Ratio	Lower	Upper
96	100		
61	138.3	113.2	169.8
98	62.4	55.7	83.5

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#22

Diisopropyl ether

Concen: 22.661 ug/l

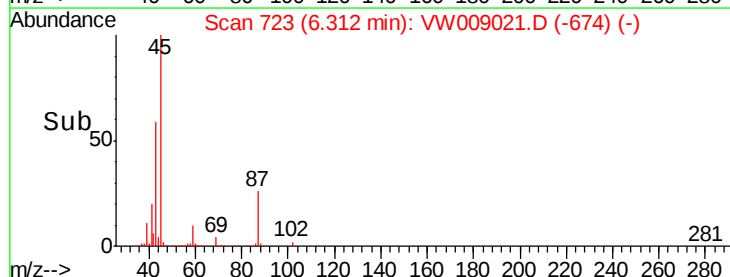
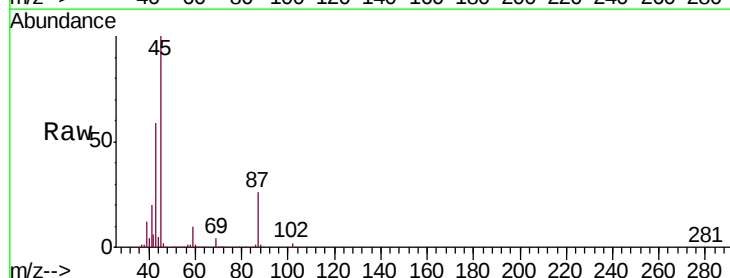
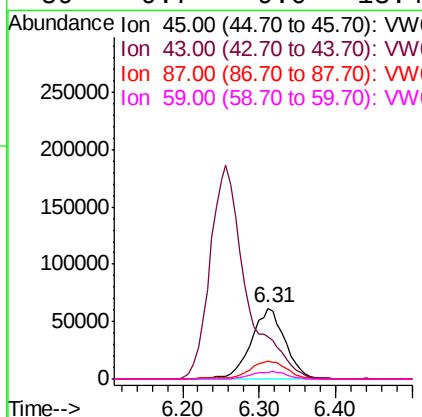
RT: 6.31 min Scan# 723

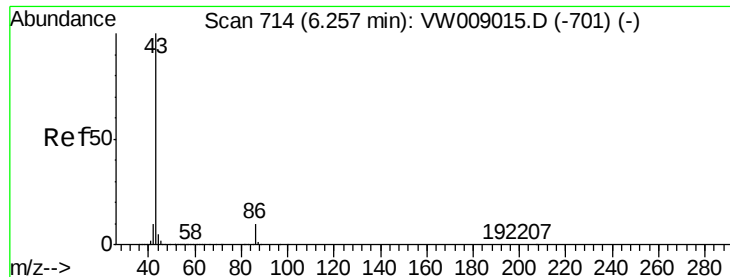
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	45	Resp:	190298
Ion	Ratio	Lower	Upper
45	100		
43	58.2	48.1	72.1
87	25.5	20.9	31.3
59	9.7	9.0	13.4





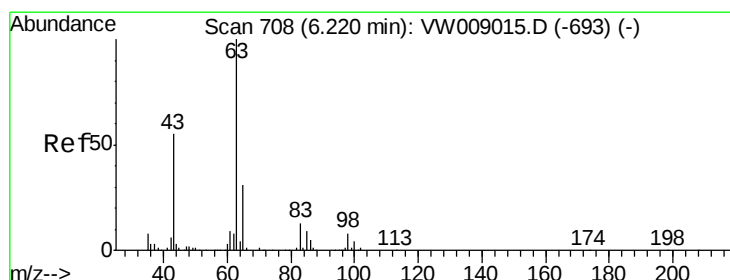
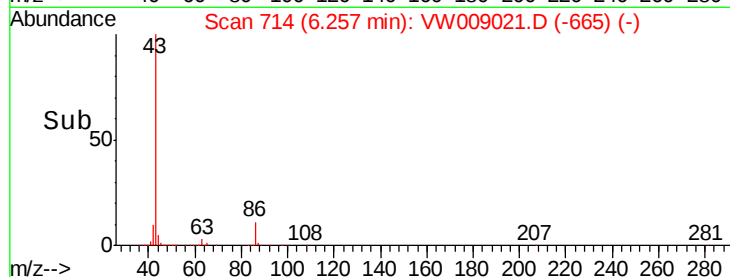
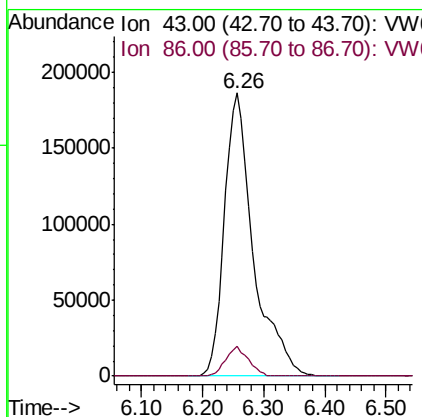
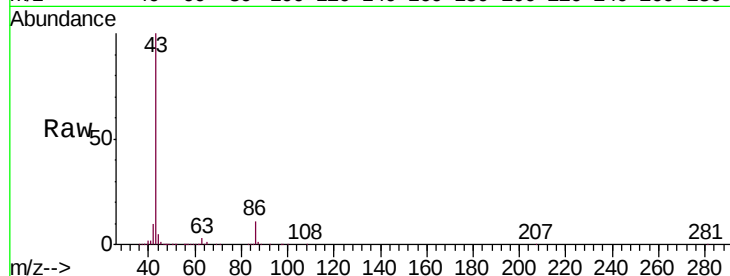
#23
 Vinyl Acetate
 Concen: 116.497 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.0	12.0

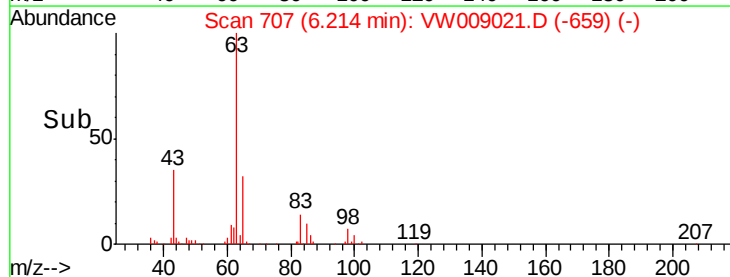
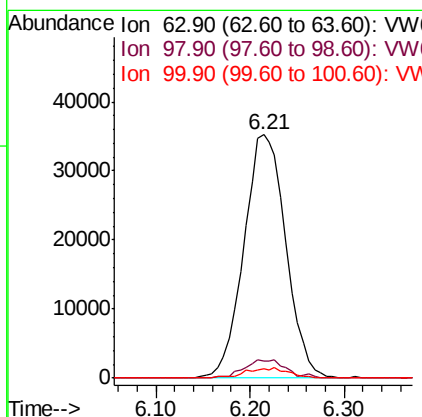
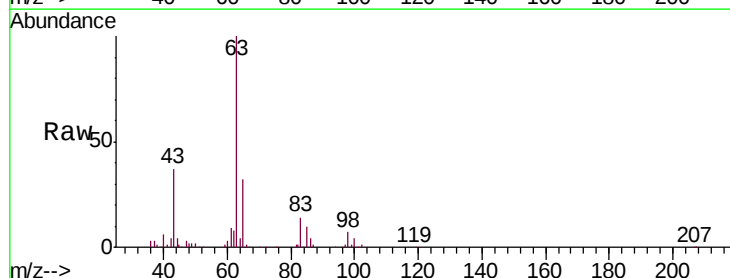
Manual Integrations
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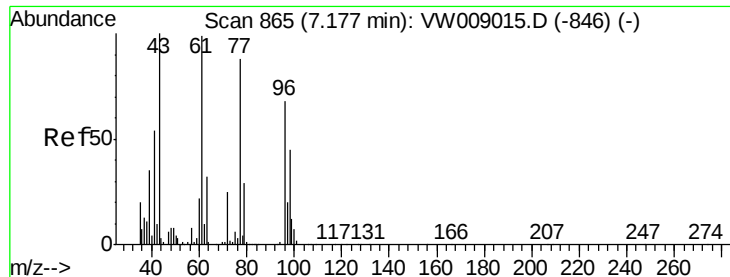
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 22.481 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	4.0	12.2
100	4.1	2.0	5.8





#25

2-Butanone

Concen: 117.818 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VW0306SBS01

Tgt Ion: 43 Resp: 96190

Ion Ratio Lower Upper

43 100

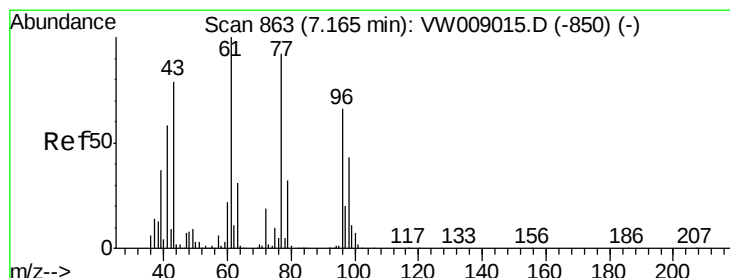
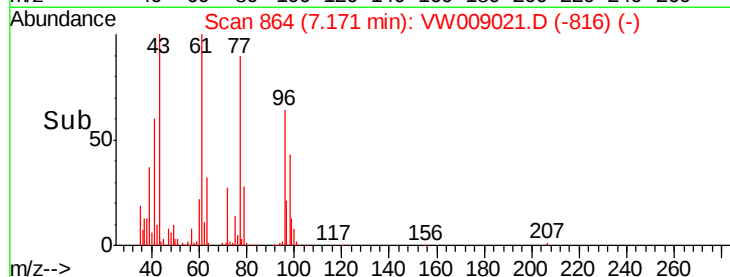
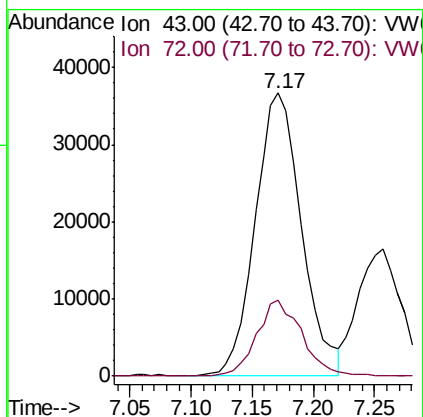
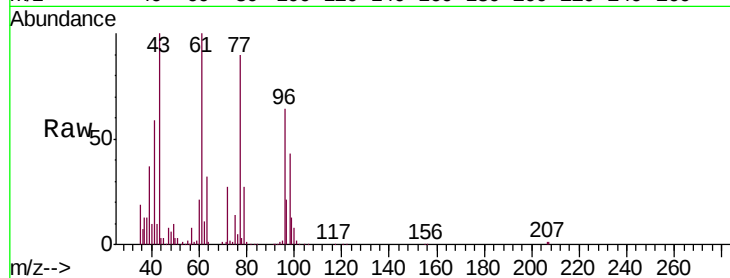
72 27.1 20.2 30.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.114 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW009021.D

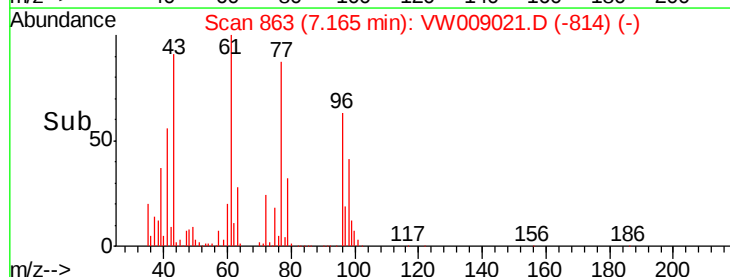
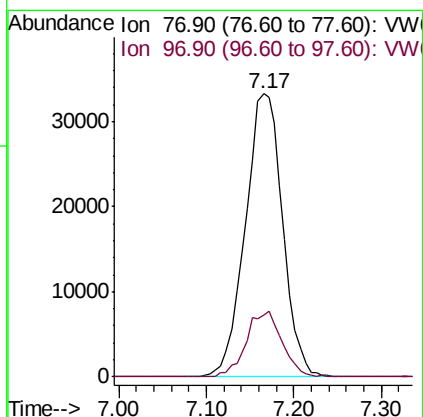
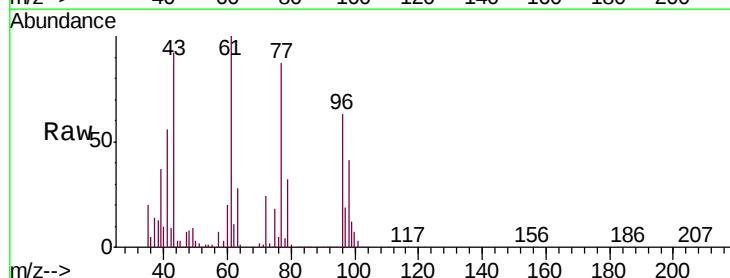
Acq: 06 Mar 2019 17:55

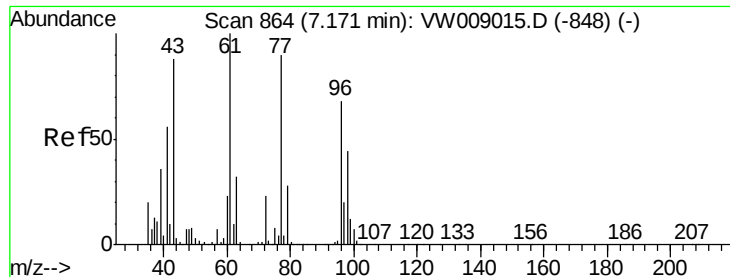
Tgt Ion: 77 Resp: 98771

Ion Ratio Lower Upper

77 100

97 22.2 10.7 32.1





#27

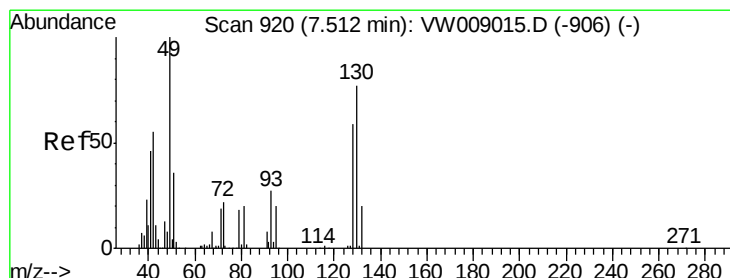
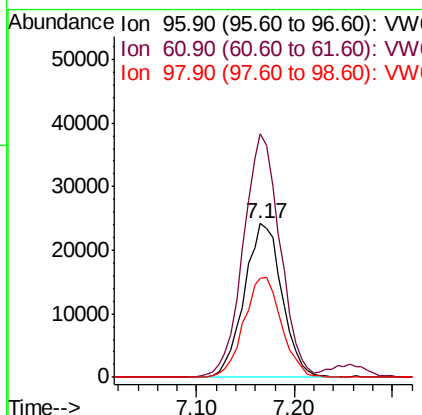
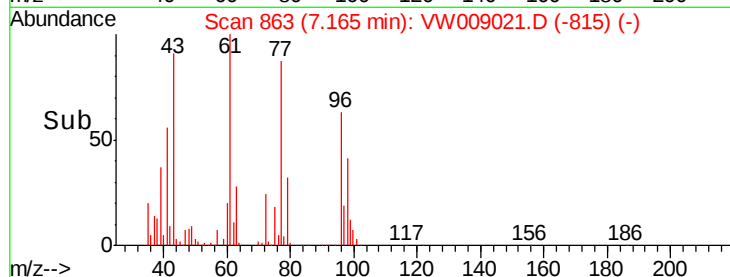
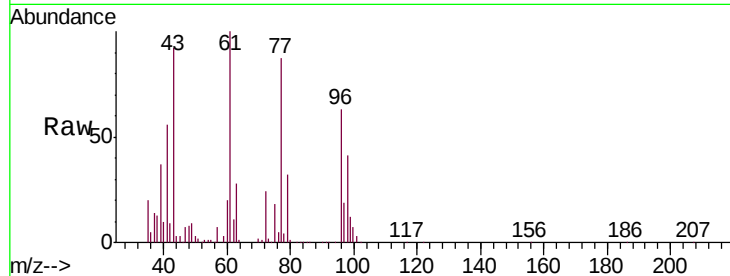
cis-1,2-Dichloroethene
Concen: 22.145 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleID :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.2	0.0	303.6
98	64.9	0.0	129.0

Manual Integrations
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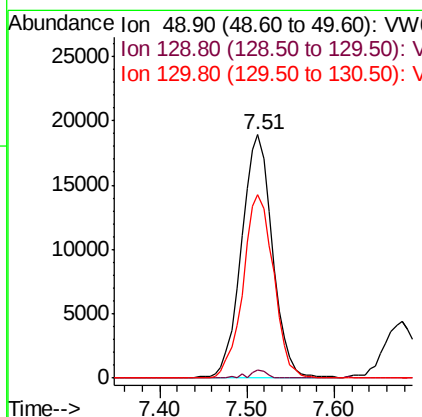
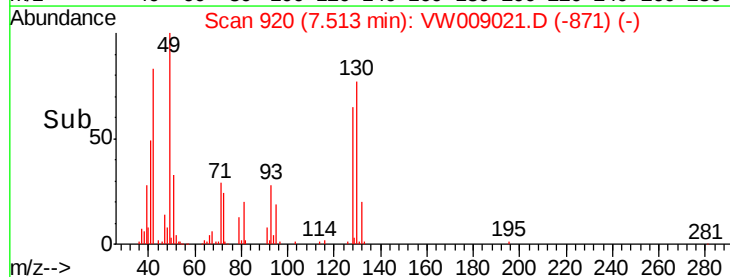
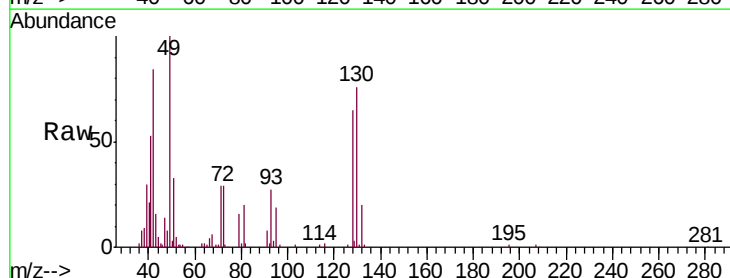
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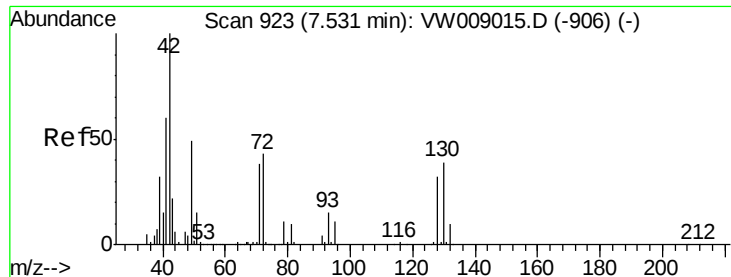


#28

Bromochloromethane
Concen: 21.913 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	74.2	59.9	89.9





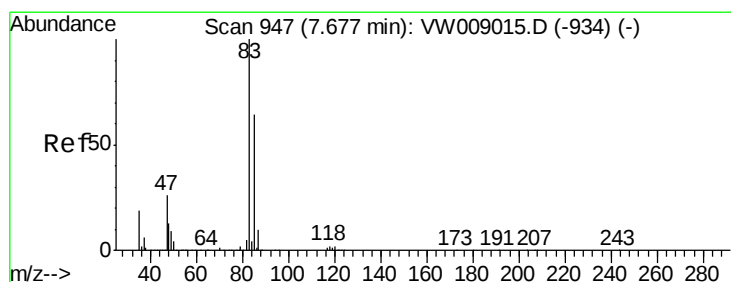
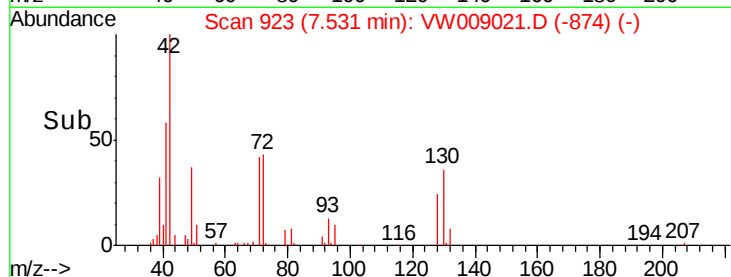
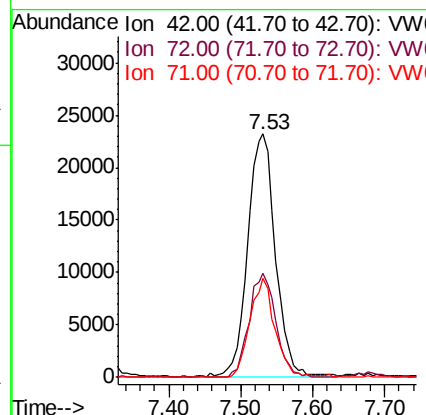
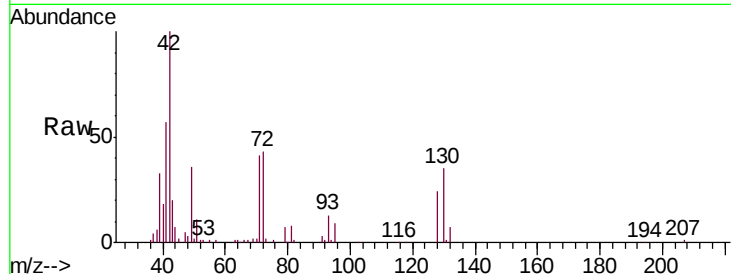
#29
Tetrahydrofuran
Concen: 121.928 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.5	48.7
71	36.5	31.6	47.4

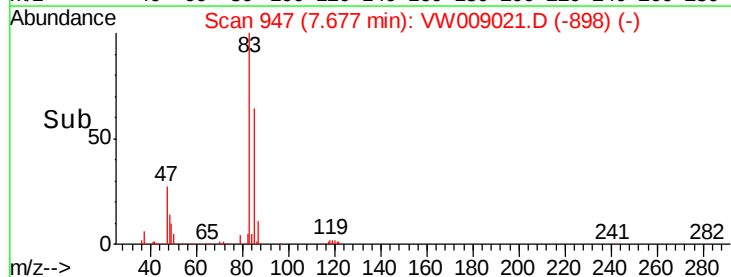
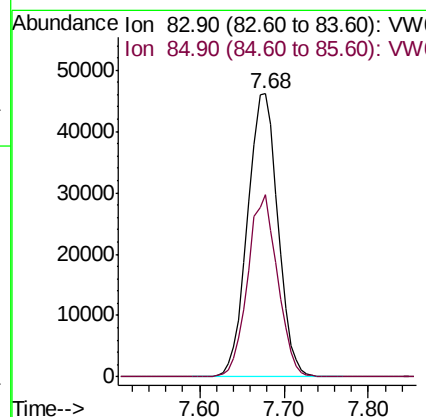
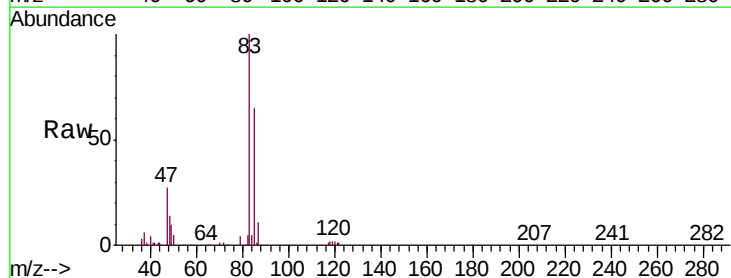
Manual Integrations
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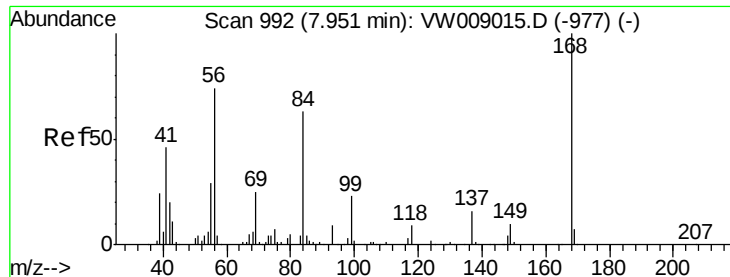
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#30
Chloroform
Concen: 22.445 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





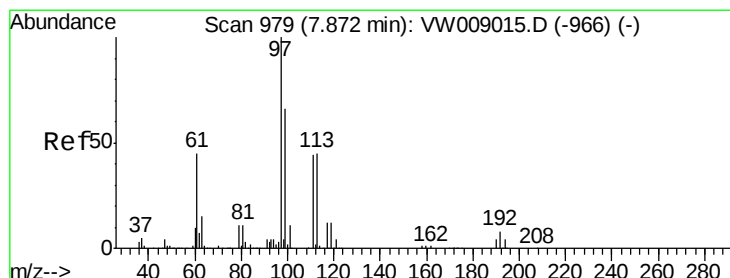
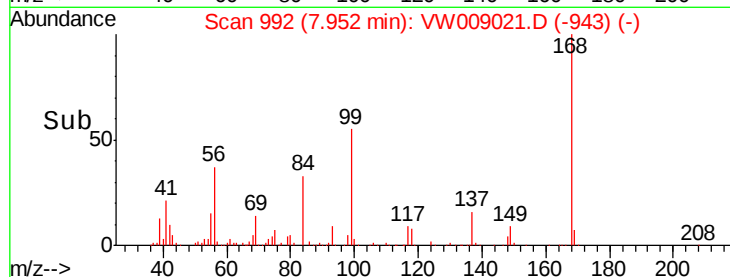
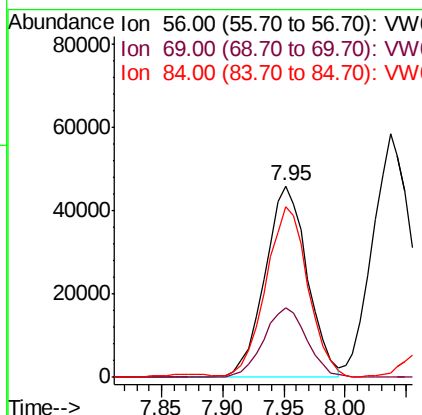
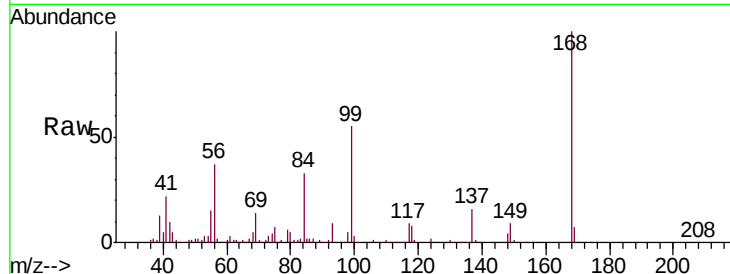
#31
Cyclohexane
Concen: 22.069 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	36.2	27.0	40.4
84	87.7	68.3	102.5

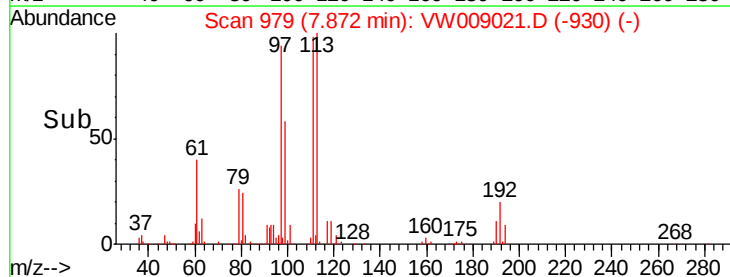
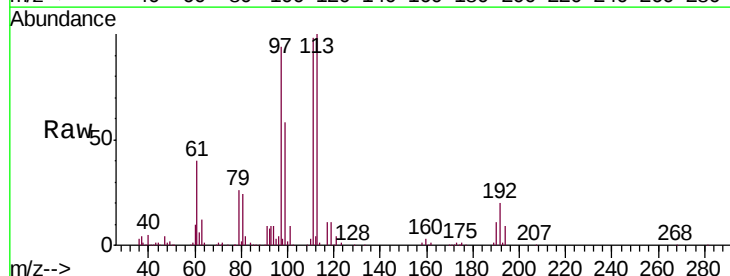
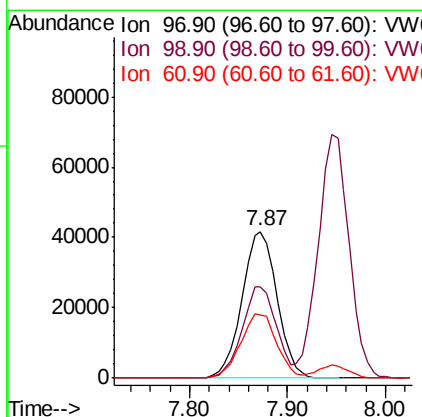
Manual Integrations
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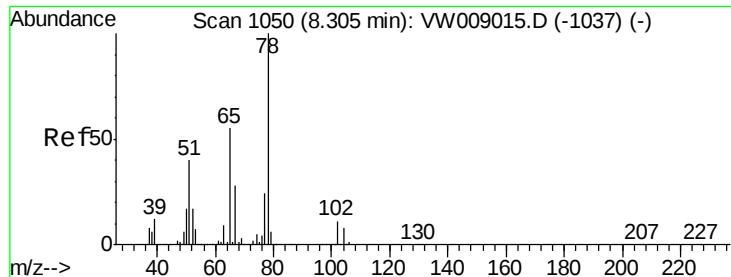
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#32
1,1,1-Trichloroethane
Concen: 22.598 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.6	51.4	77.0
61	45.1	37.4	56.0





#33

1,2-Dichloroethane-d4

Concen: 56.700 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 65 Resp: 158432

Ion Ratio Lower Upper

65 100

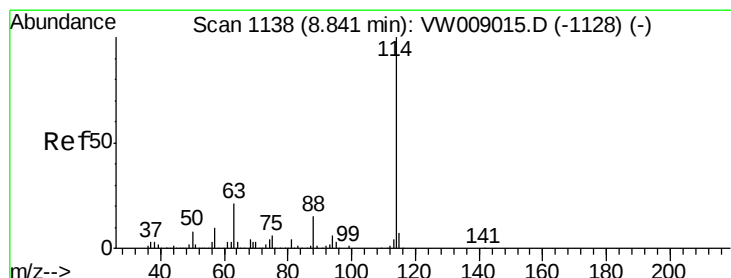
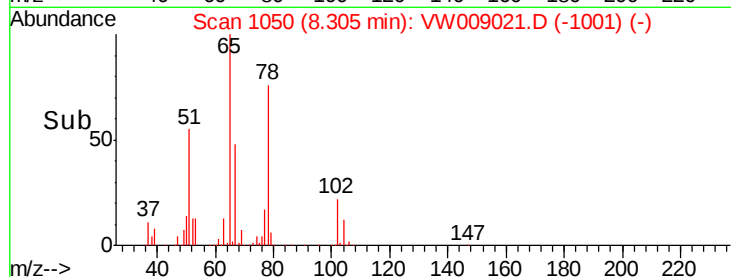
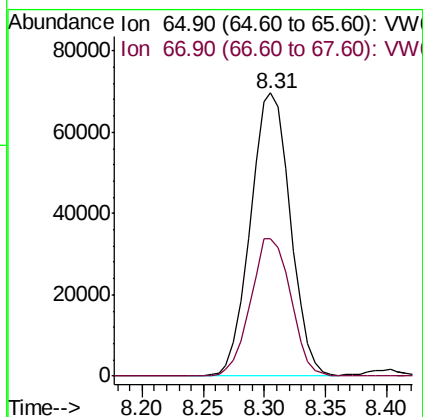
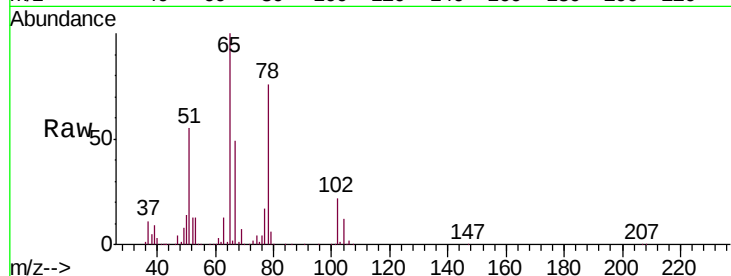
67 49.2 0.0 102.2

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

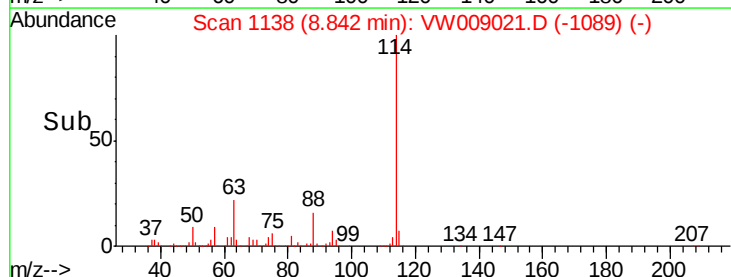
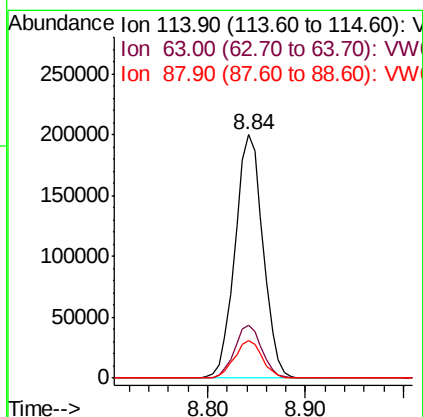
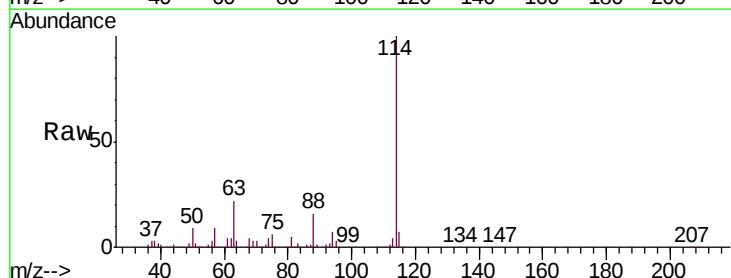
Tgt Ion: 114 Resp: 395954

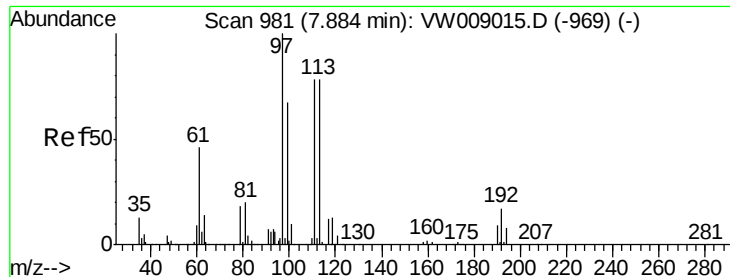
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.4

88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 56.581 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

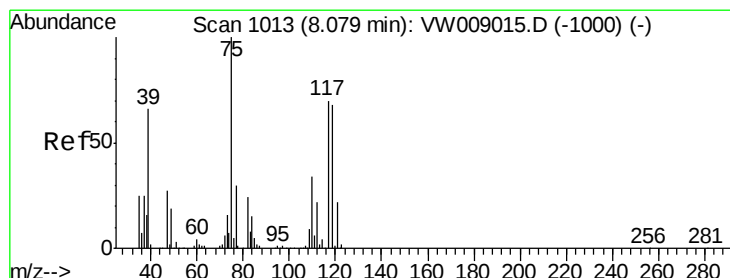
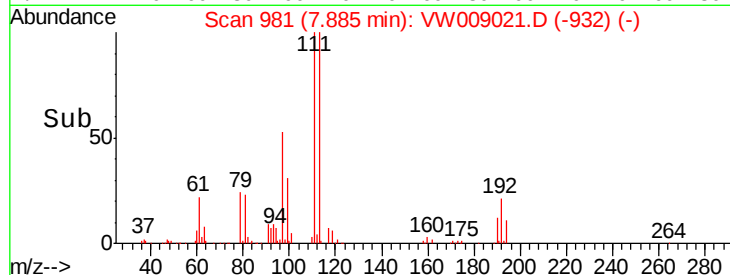
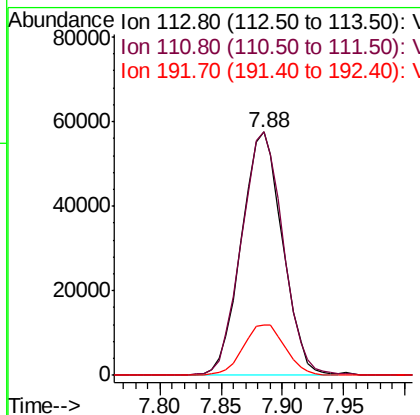
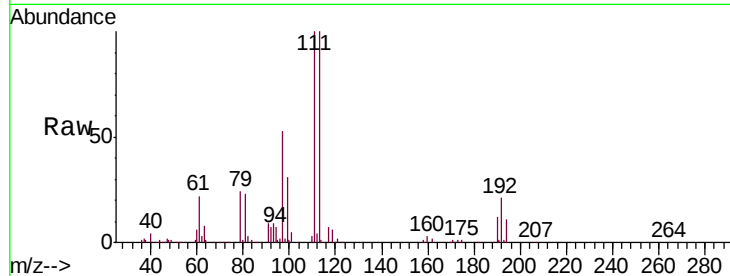
ClientSampleId :

VW0306SBS01

Tgt Ion:	113	Resp:	134866
Ion Ratio	Lower	Upper	
113	100		
111	101.6	80.5	120.7
192	21.4	16.7	25.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 23.068 ug/l

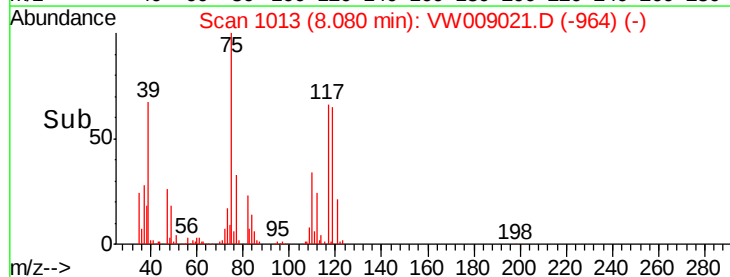
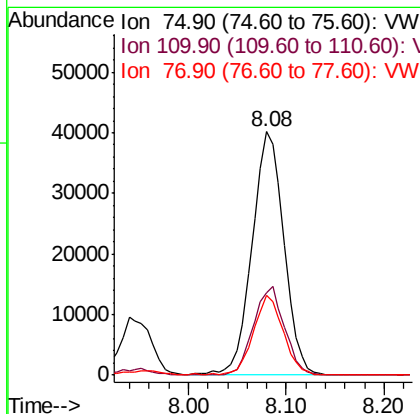
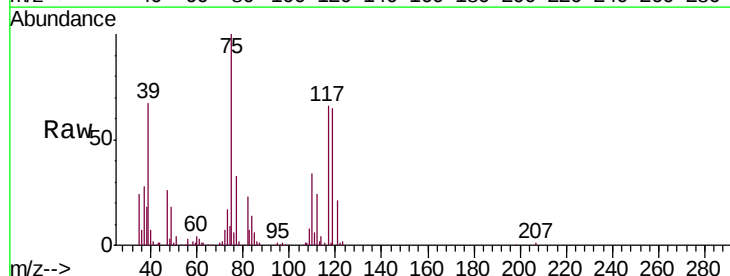
RT: 8.08 min Scan# 1013

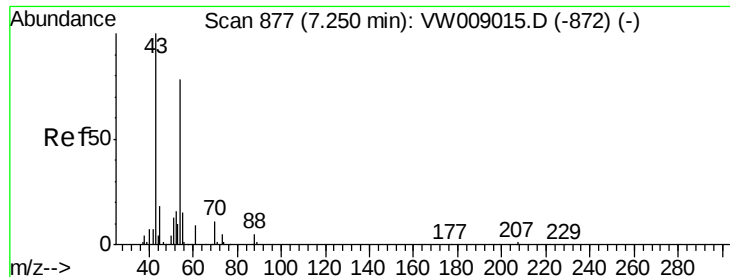
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	75	Resp:	90820
Ion Ratio	Lower	Upper	
75	100		
110	35.2	17.3	51.9
77	30.9	24.8	37.2





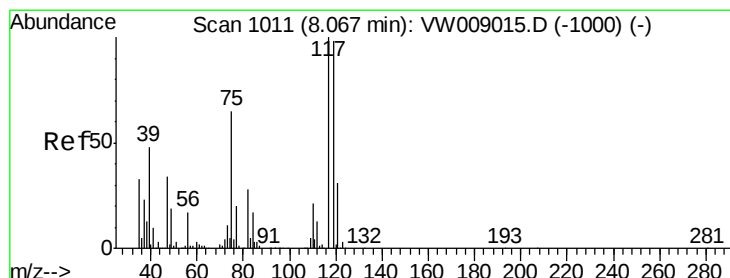
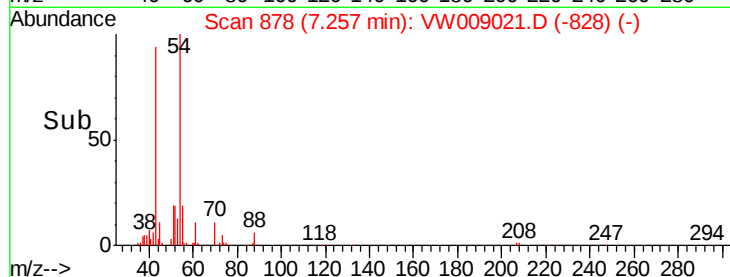
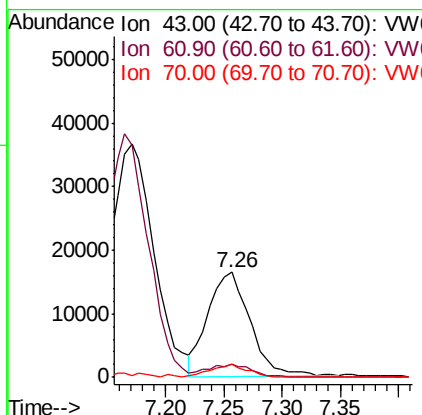
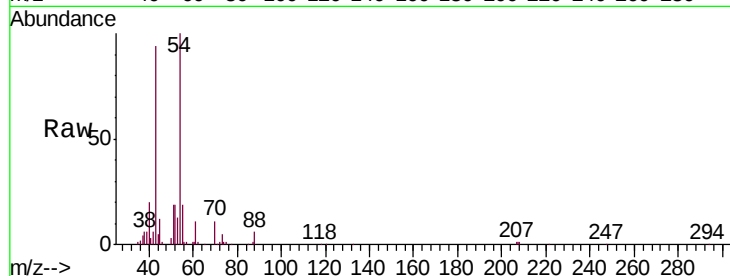
#37
Ethyl Acetate
Concen: 23.694 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.6	15.8
70	11.0	7.8	11.8

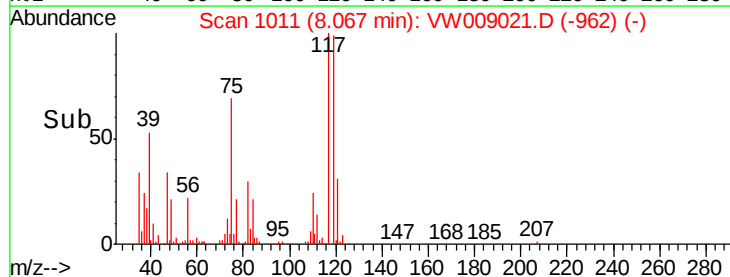
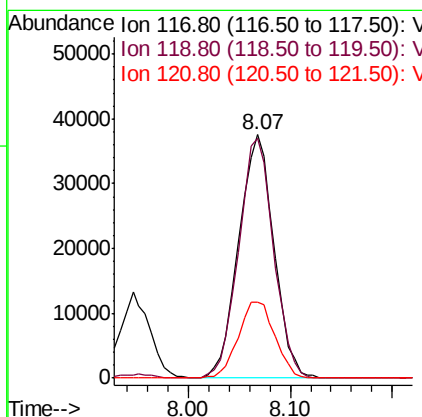
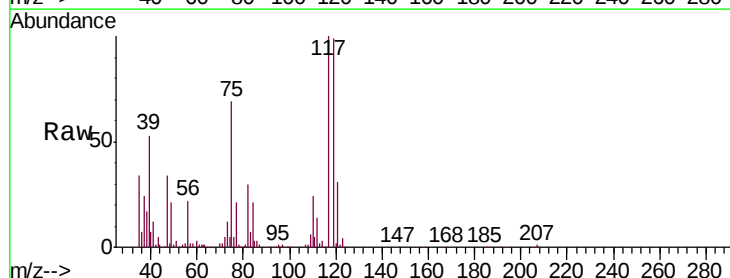
Manual Integrations
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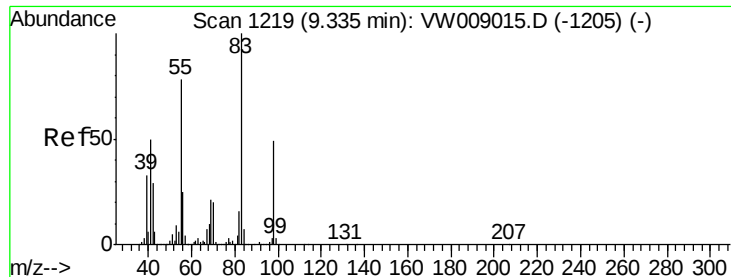
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#38
Carbon Tetrachloride
Concen: 22.074 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.6	78.4	117.6
121	31.2	24.7	37.1





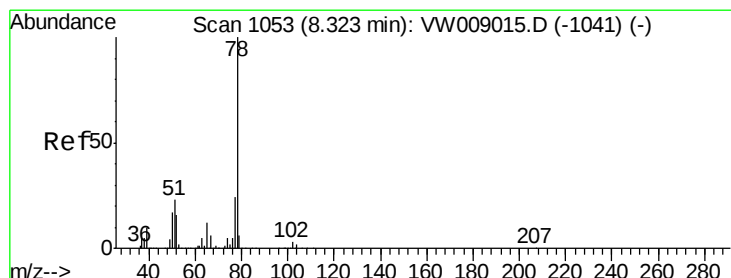
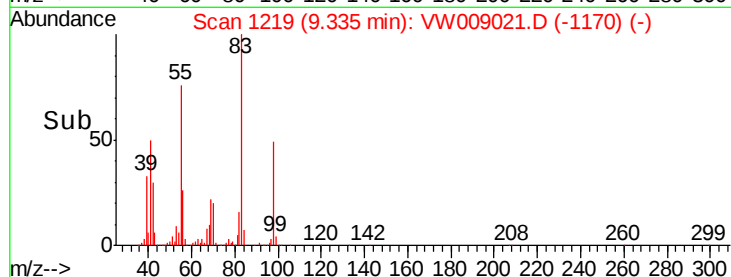
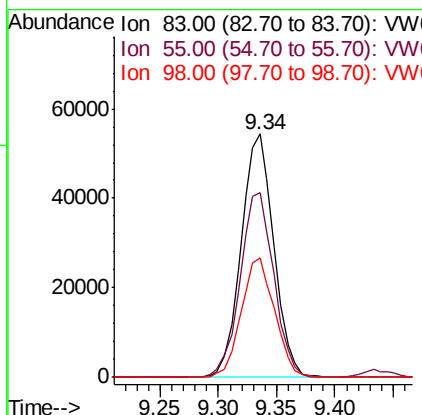
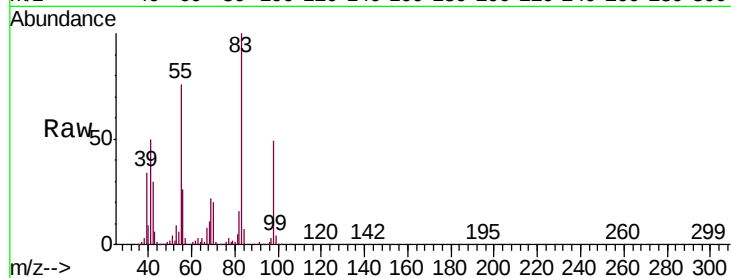
#39
Methylcyclohexane
Concen: 22.328 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	75.6	62.6	93.8
98	49.0	39.4	59.2

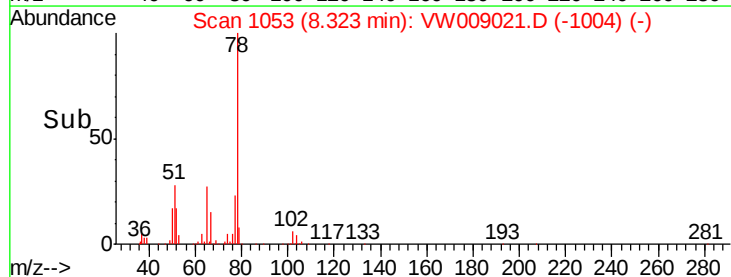
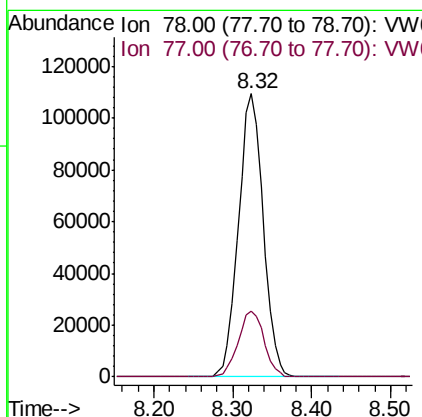
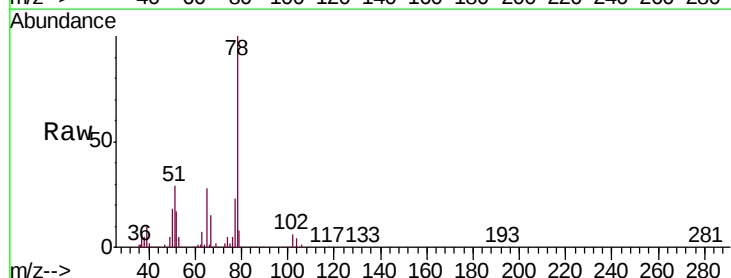
Manual Integrations
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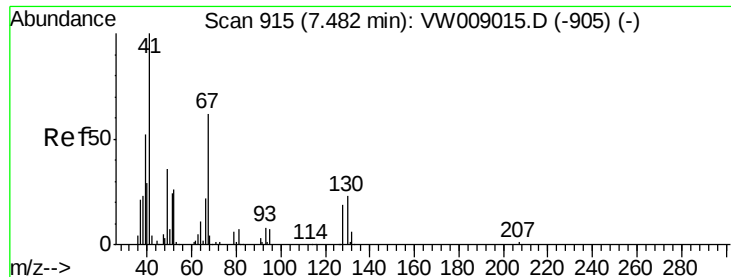
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#40
Benzene
Concen: 22.485 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.9	28.3





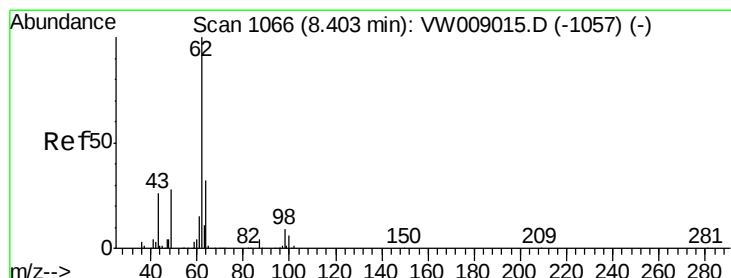
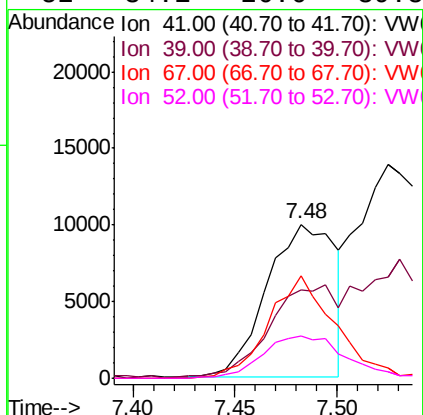
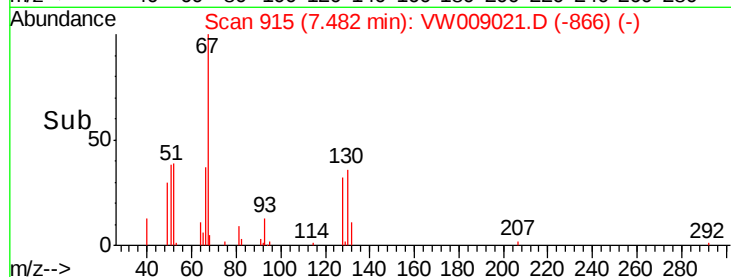
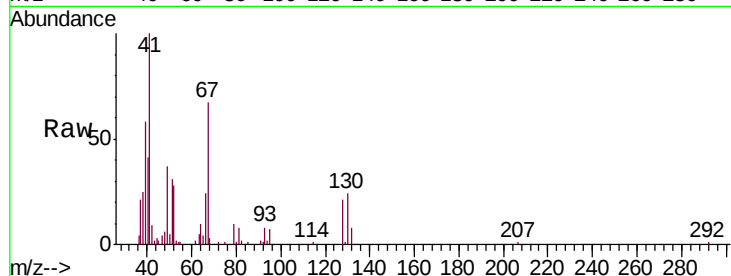
#41
Methacrylonitrile
Concen: 22.529 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.2	50.6	75.8
67	66.2	59.0	88.6
52	34.1	26.6	39.8

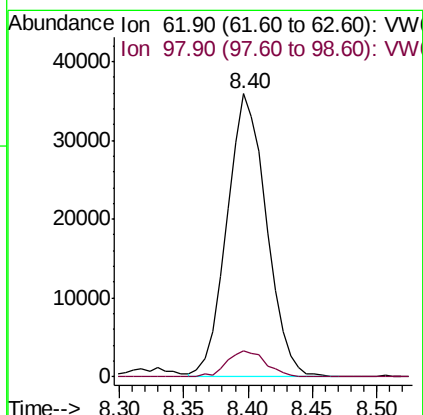
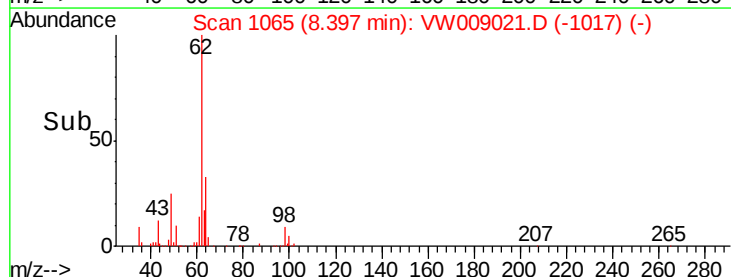
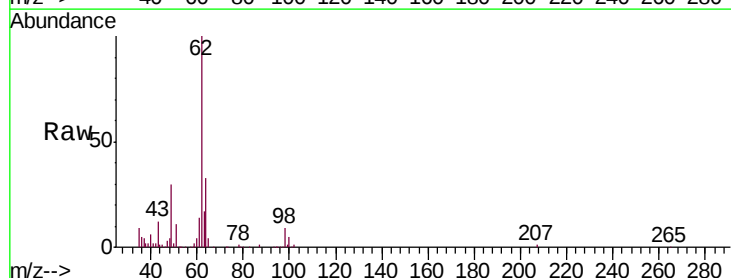
Manual Integrations
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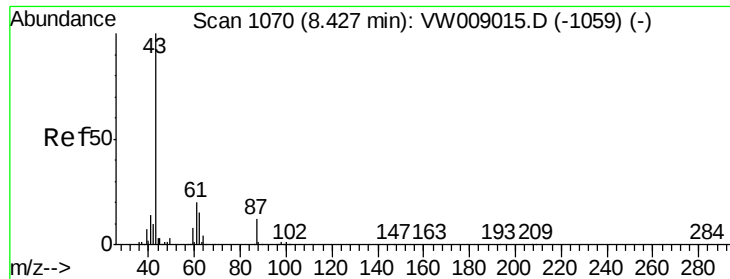
MMDadoda
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#42
1,2-Dichloroethane
Concen: 22.538 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	17.8





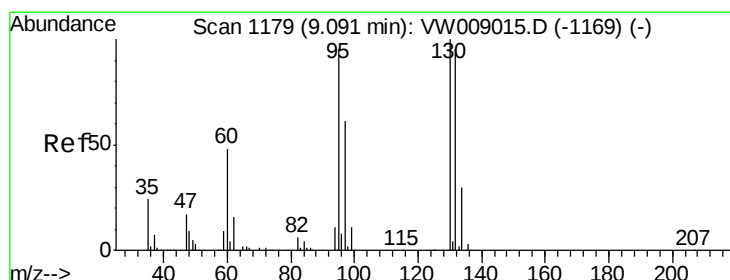
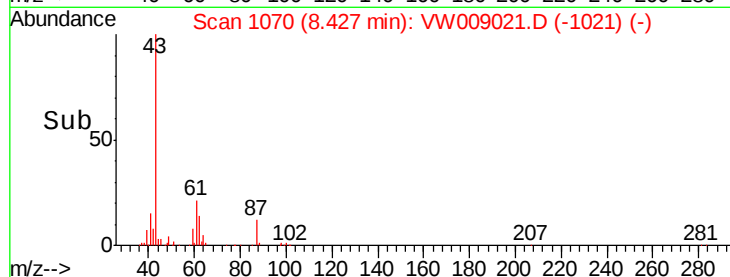
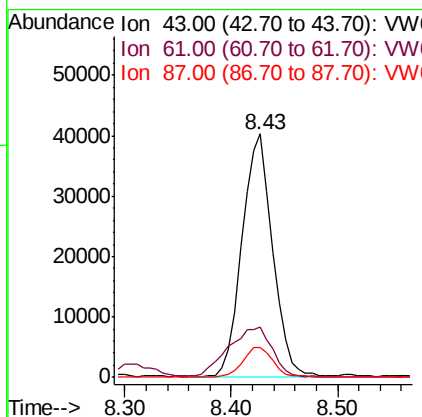
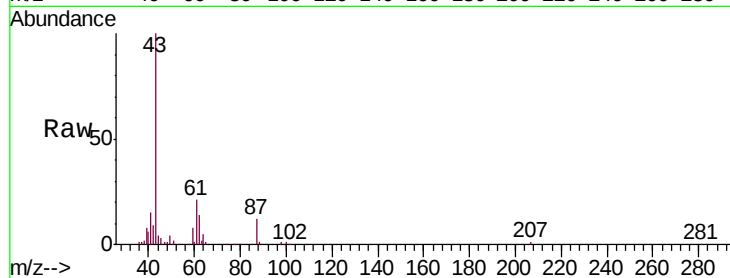
#43
Isopropyl Acetate
Concen: 23.668 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.3	23.5	35.3
87	12.6	9.4	14.2

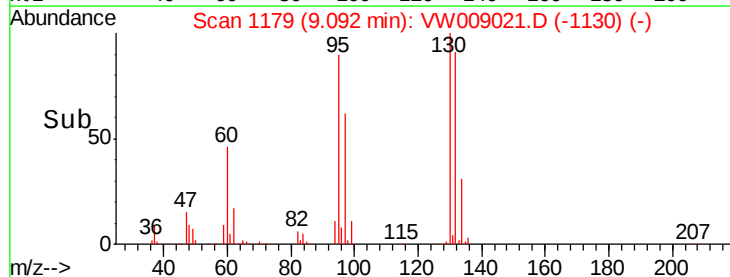
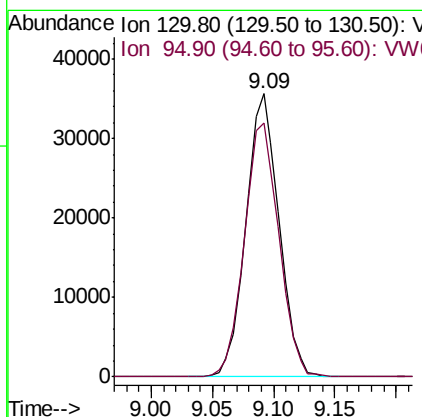
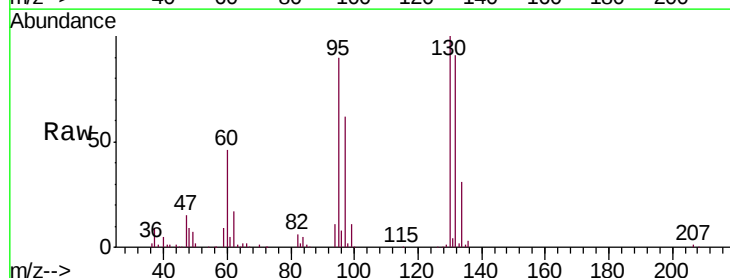
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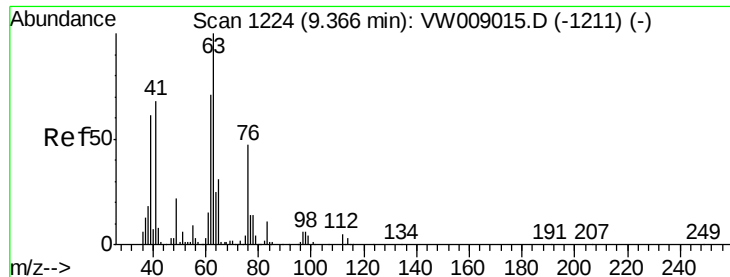
MMDadoda
3/8/2019 12:07:14 AM



#44
Trichloroethene
Concen: 22.660 ug/l
RT: 9.09 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	190.0





#45

1,2-Dichloropropane

Concen: 22.861 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 63 Resp: 60184

Ion Ratio Lower Upper

63 100

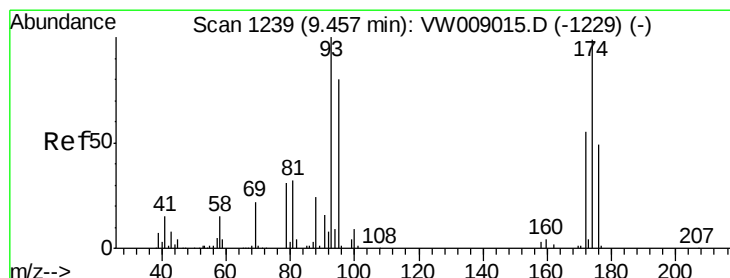
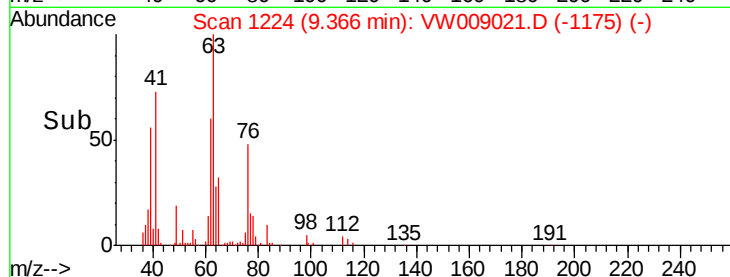
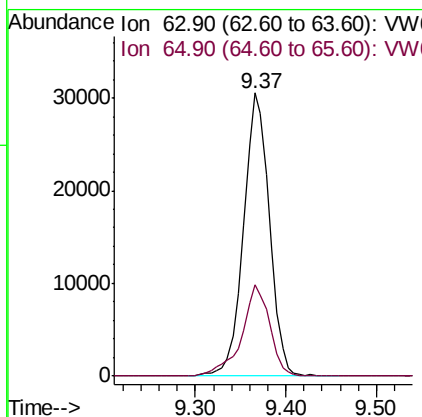
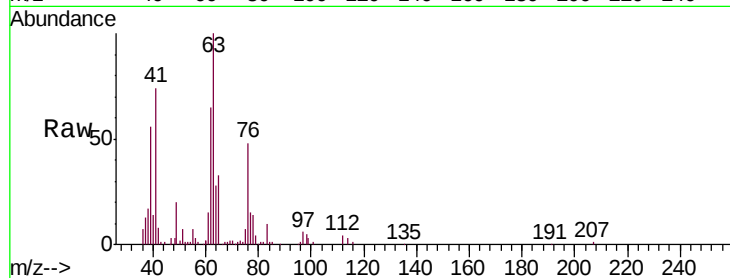
65 32.5 25.0 37.4

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#46

Dibromomethane

Concen: 22.279 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

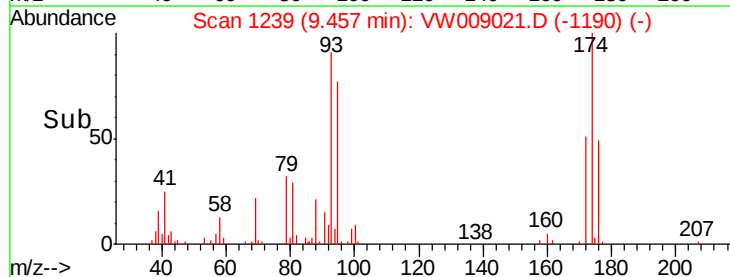
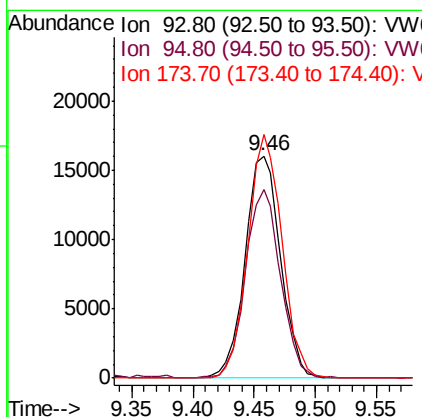
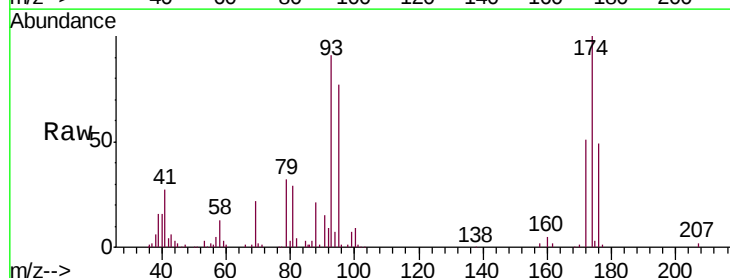
Tgt Ion: 93 Resp: 32357

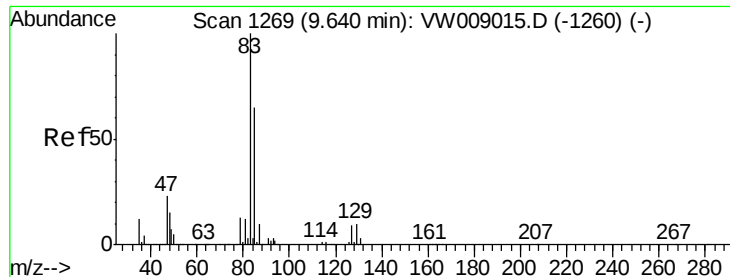
Ion Ratio Lower Upper

93 100

95 83.9 64.1 96.1

174 105.3 81.3 121.9





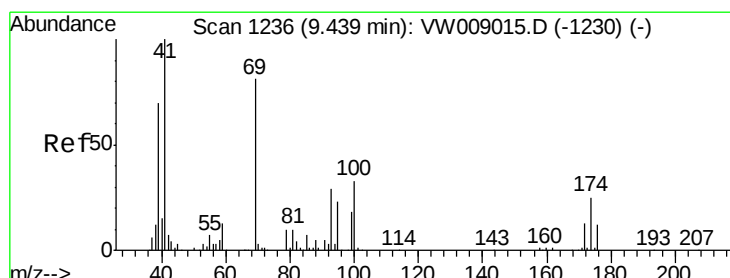
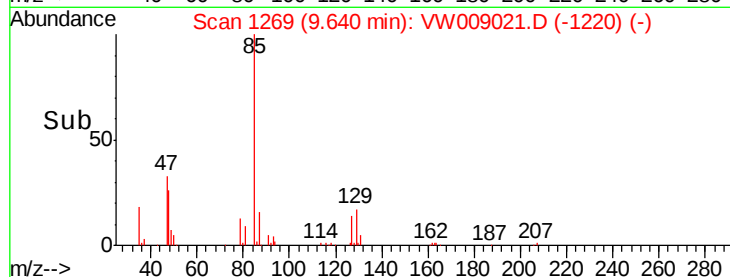
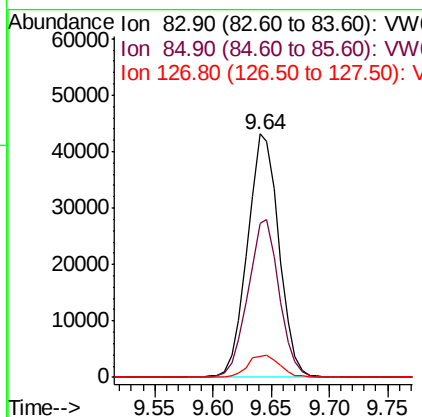
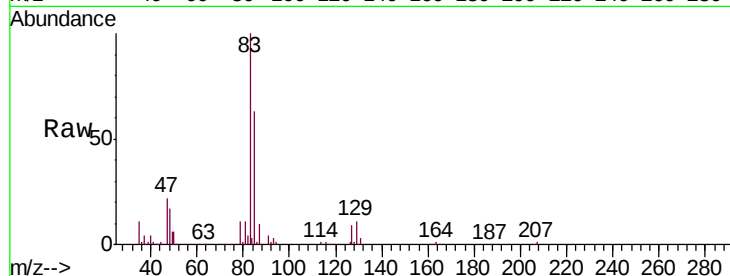
#47
Bromodichloromethane
Concen: 22.379 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	51.9	77.9
127	8.6	7.0	10.6

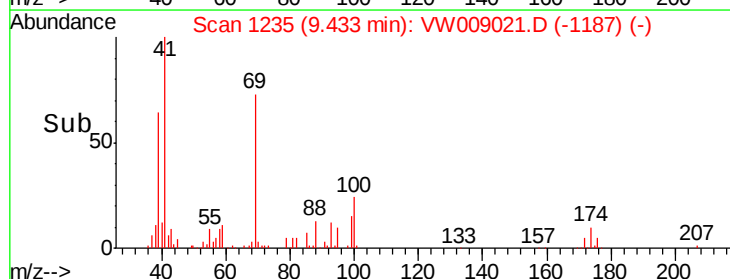
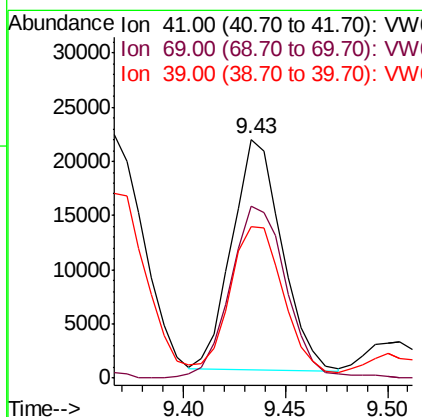
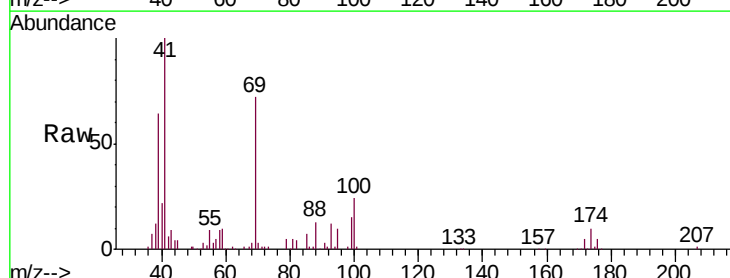
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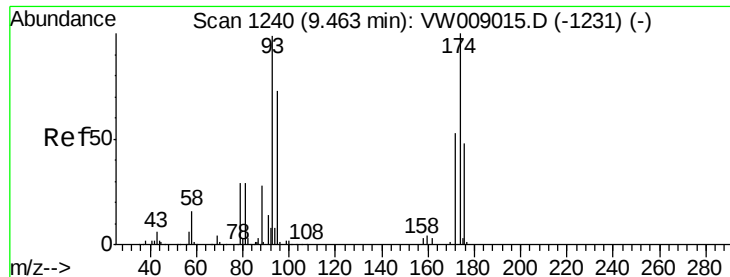
MMDadoda
3/8/2019 12:07:14 AM



#48
Methyl methacrylate
Concen: 22.480 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	83.5	61.8	92.6
39	66.6	50.5	75.7





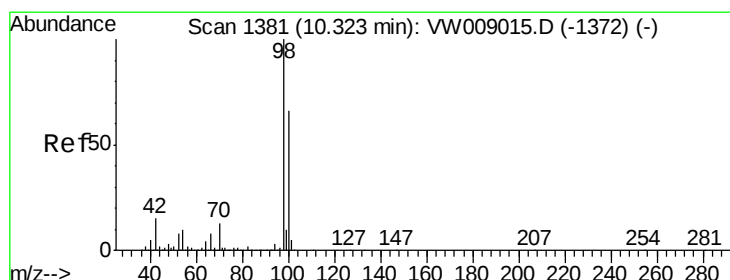
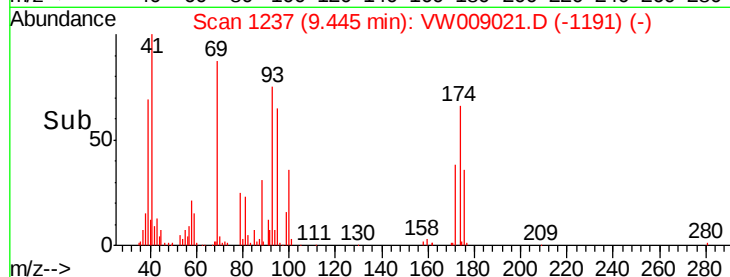
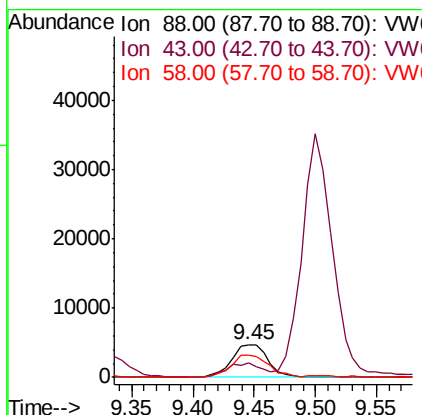
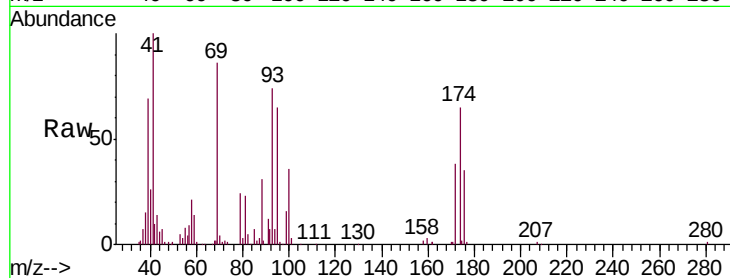
#49
1,4-Dioxane
Concen: 491.829 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 88 Resp: 9765
Ion Ratio Lower Upper
88 100
43 42.6 0.0 0.0#
58 70.0 55.0 82.6

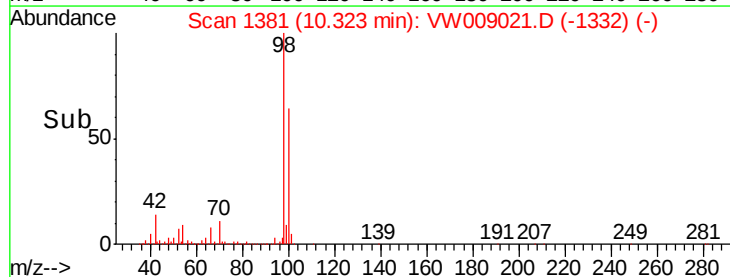
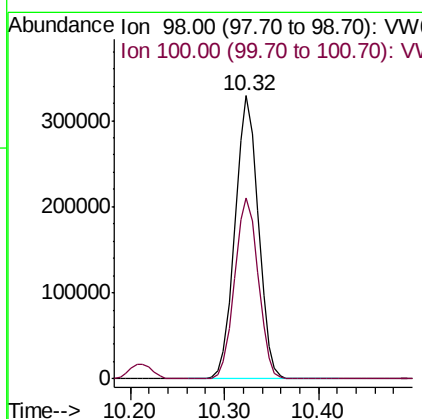
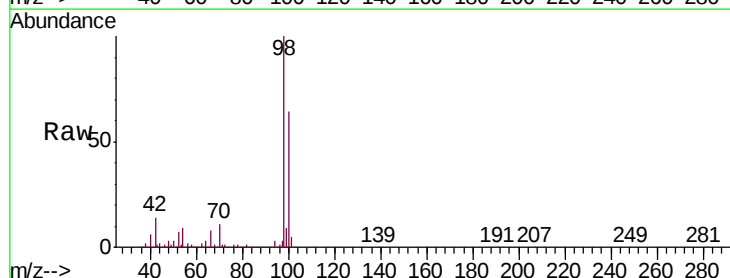
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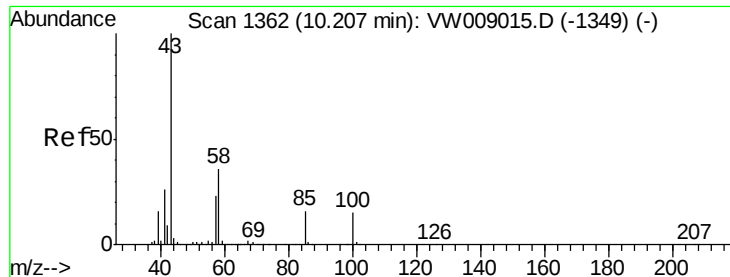
MMDadoda
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#50
Toluene-d8
Concen: 57.617 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 98 Resp: 564374
Ion Ratio Lower Upper
98 100
100 65.0 52.9 79.3





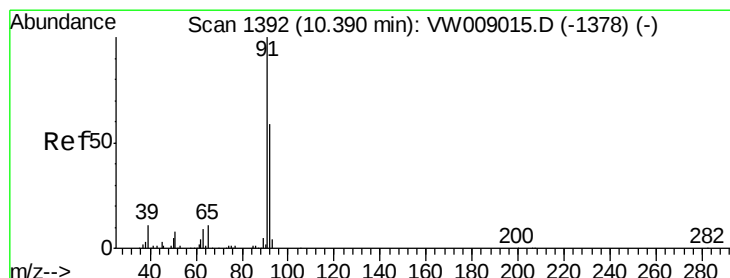
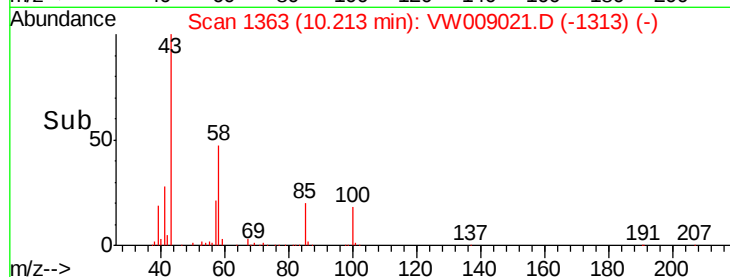
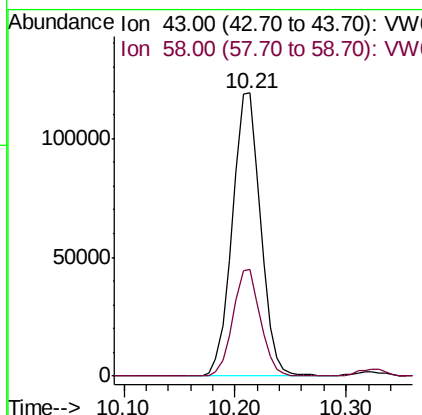
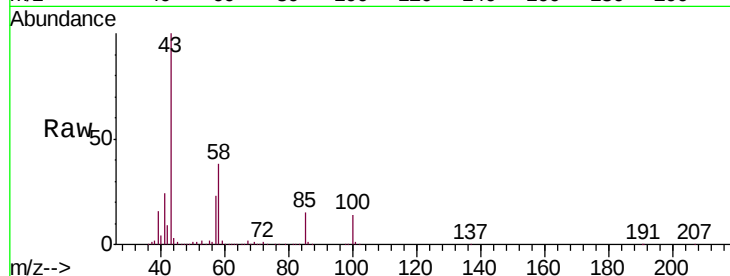
#51
4-Methyl-2-Pentanone
Concen: 120.700 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 43 Resp: 208948
Ion Ratio Lower Upper
43 100
58 36.8 29.0 43.4

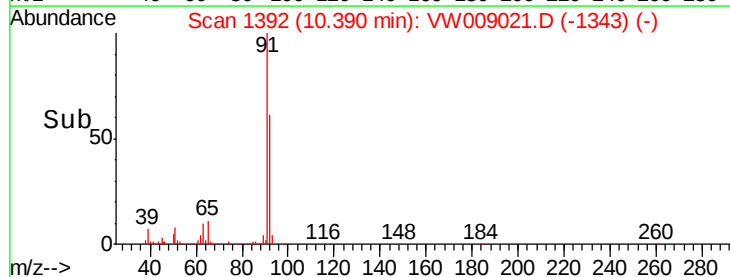
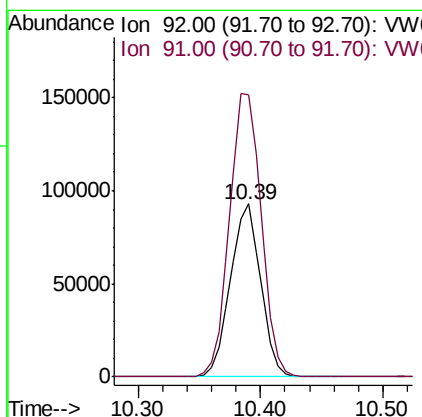
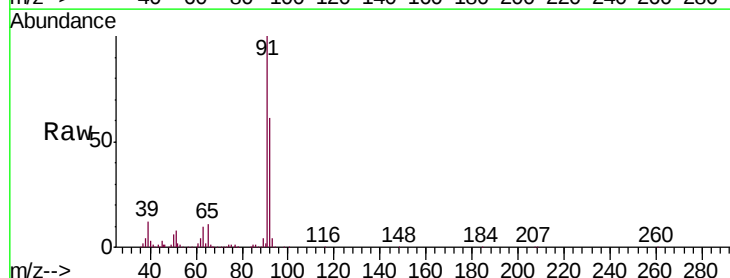
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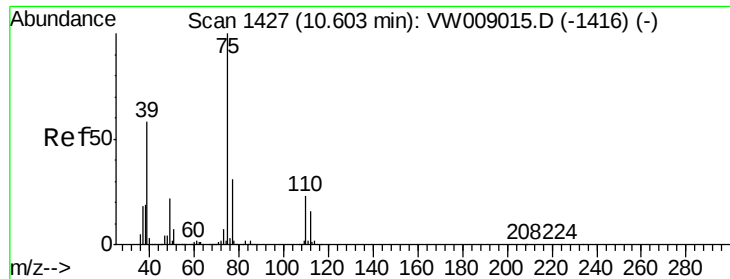
MMDadoda
3/8/2019 12:07:14 AM



#52
Toluene
Concen: 22.161 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 92 Resp: 158873
Ion Ratio Lower Upper
92 100
91 172.1 138.1 207.1





#53

t-1,3-Dichloropropene

Concen: 23.084 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 75 Resp: 83372

Ion Ratio Lower Upper

75 100

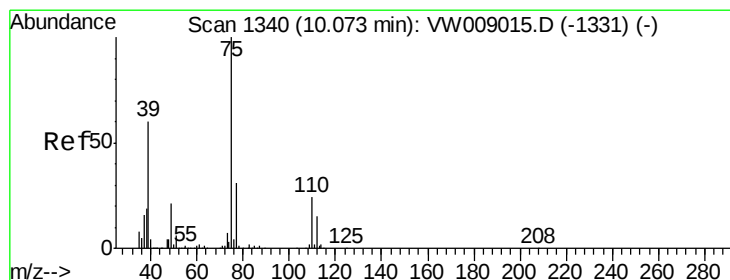
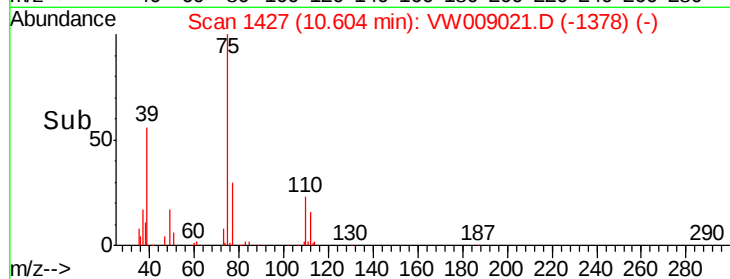
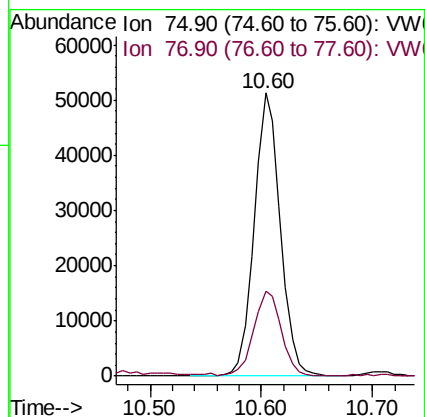
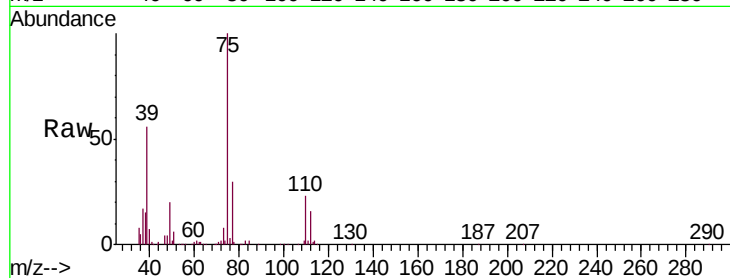
77 29.6 24.8 37.2

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3/8/2019 12:07:14 AM



#54

cis-1,3-Dichloropropene

Concen: 23.062 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

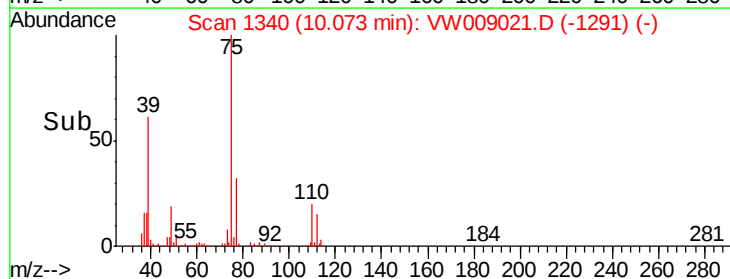
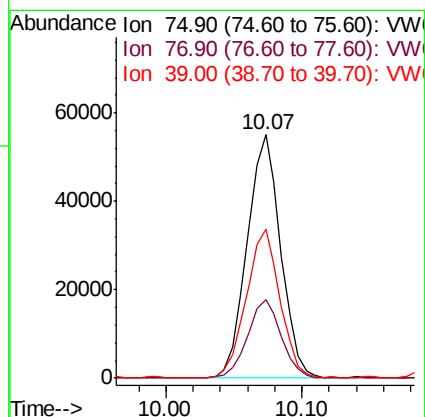
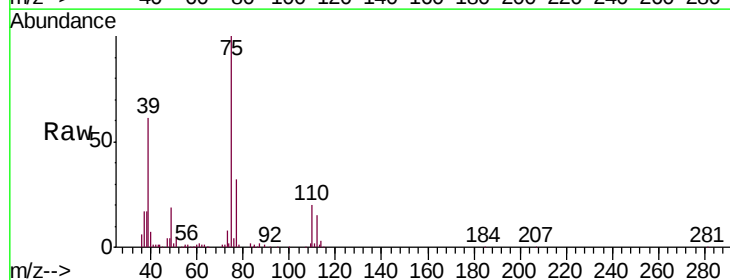
Tgt Ion: 75 Resp: 95085

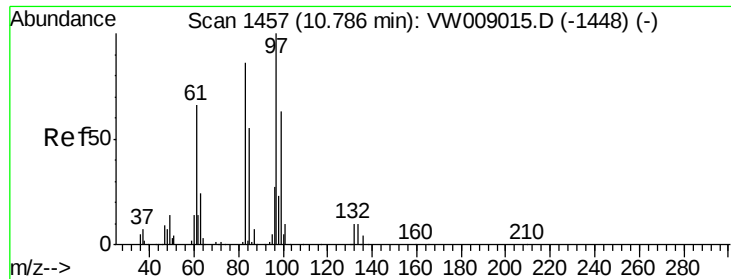
Ion Ratio Lower Upper

75 100

77 32.3 25.0 37.4

39 61.0 48.2 72.2





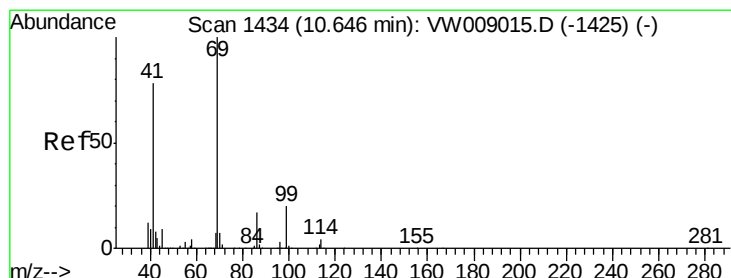
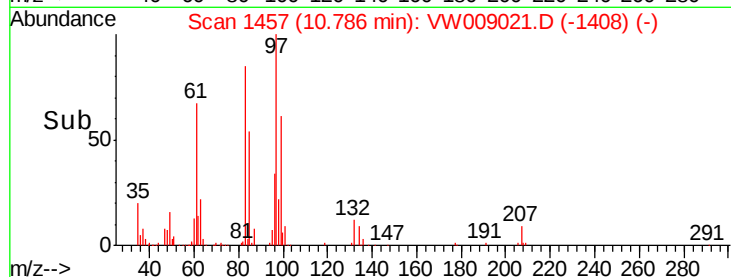
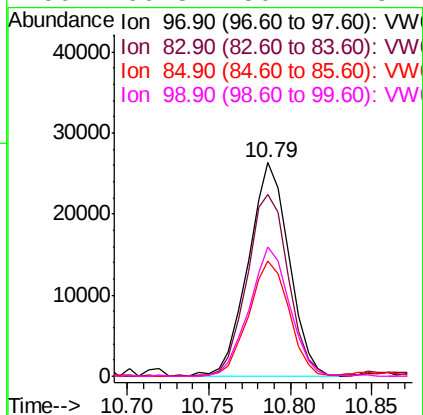
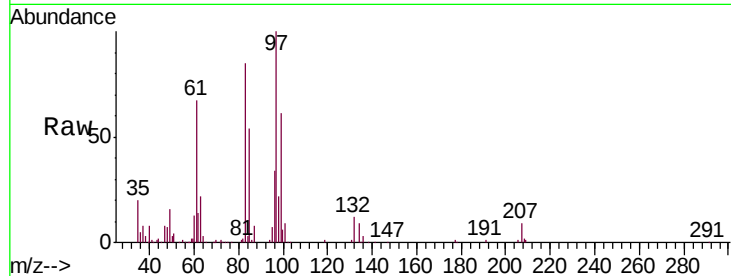
#55
 1,1,2-Trichloroethane
 Concen: 23.152 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion:	97	Resp:	45670
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.8	103.2
85	54.0	43.7	65.5
99	60.8	50.1	75.1

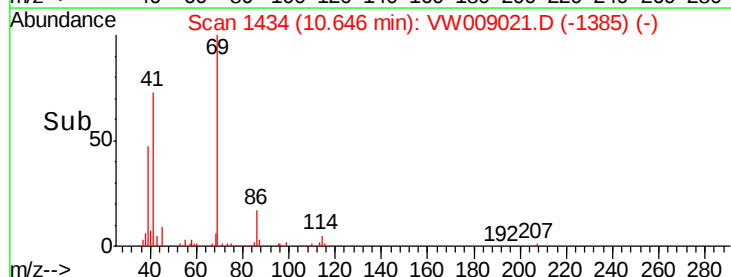
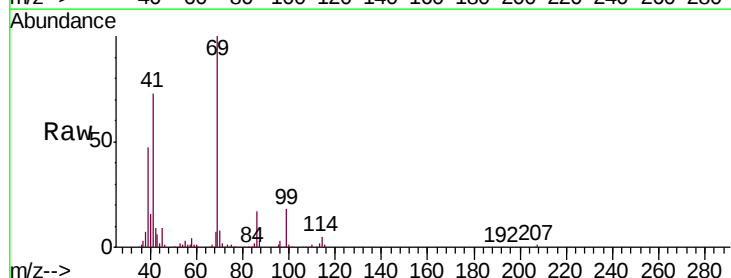
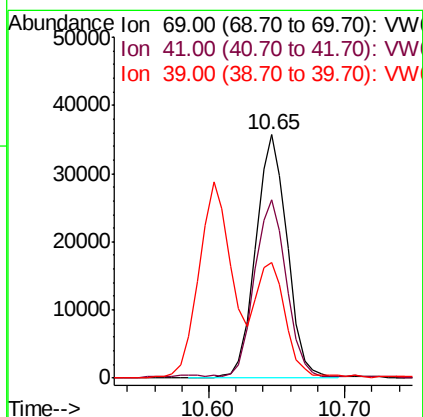
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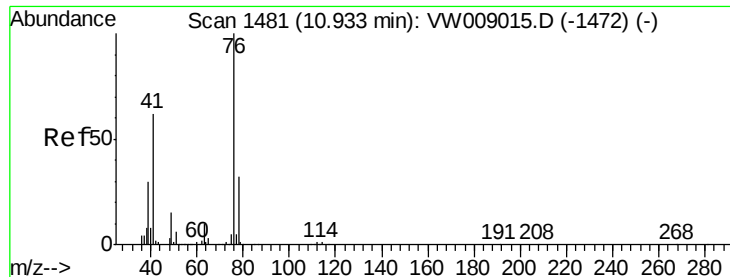
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#56
 Ethyl methacrylate
 Concen: 23.807 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion:	69	Resp:	58091
Ion	Ratio	Lower	Upper
69	100		
41	72.4	58.9	88.3
39	42.8	37.6	56.4





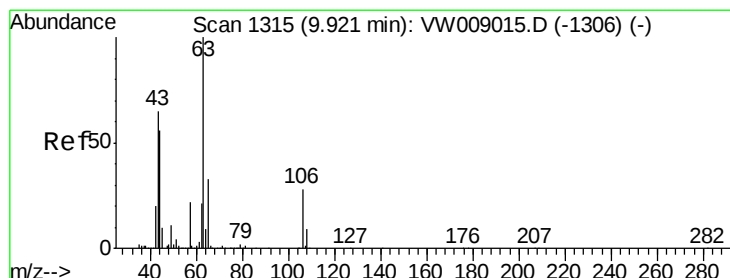
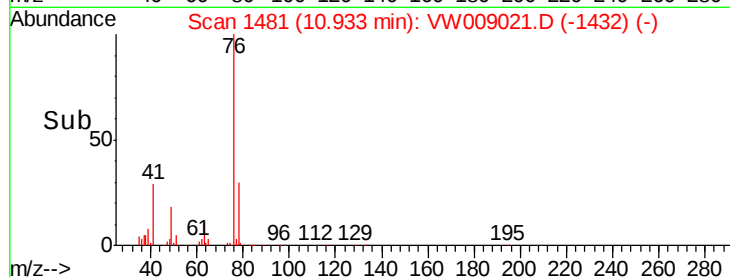
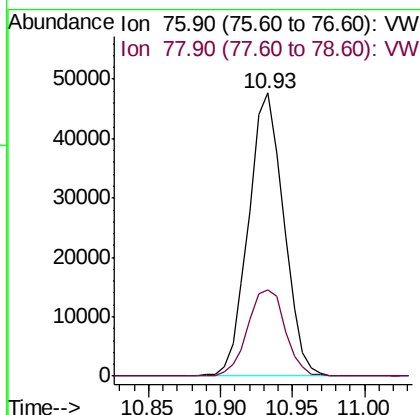
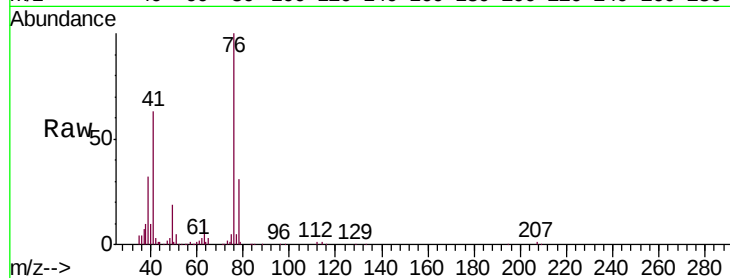
#57
 1,3-Dichloropropane
 Concen: 23.353 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion: 76 Resp: 81009
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.6 38.4

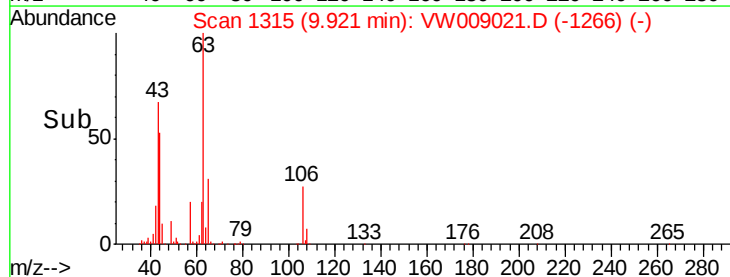
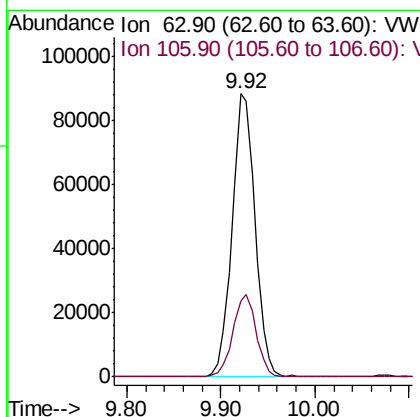
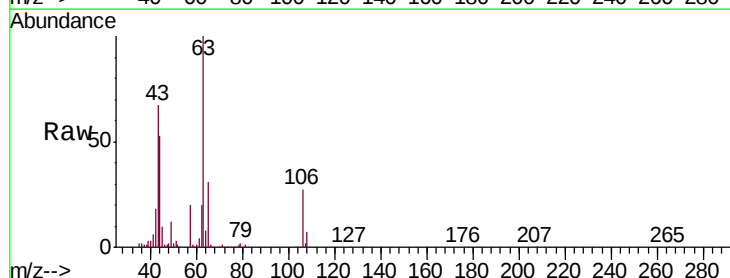
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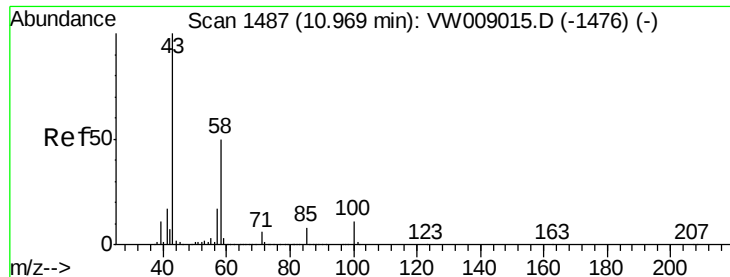
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 3/8/2019 12:07:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 115.393 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion: 63 Resp: 149407
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.0 34.6





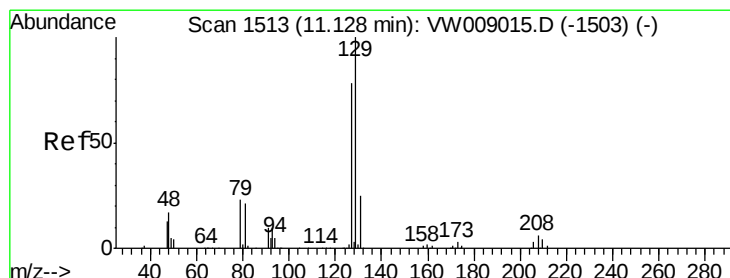
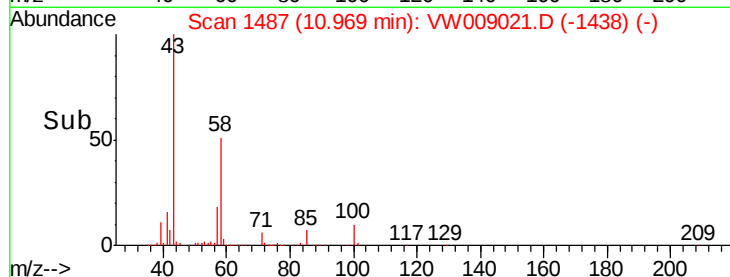
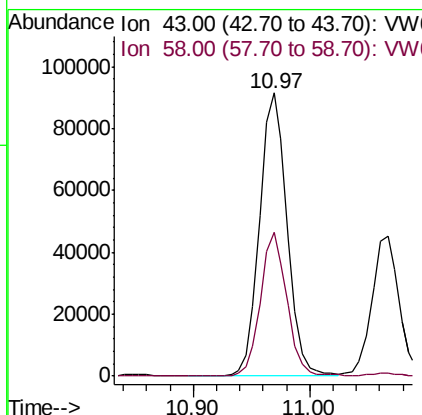
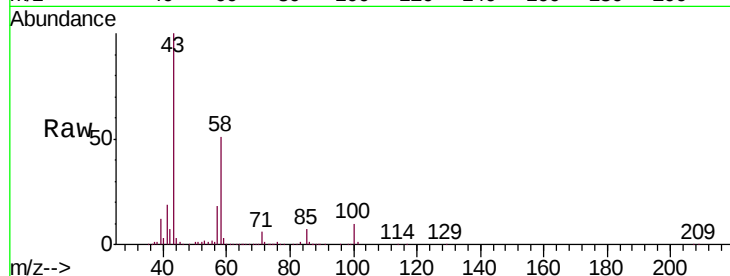
#59
2-Hexanone
Concen: 124.092 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 43 Resp: 151019
Ion Ratio Lower Upper
43 100
58 48.7 25.3 75.8

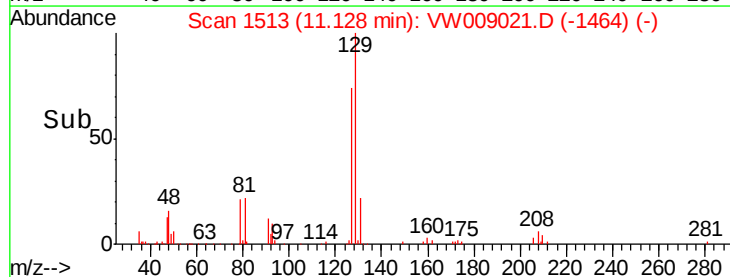
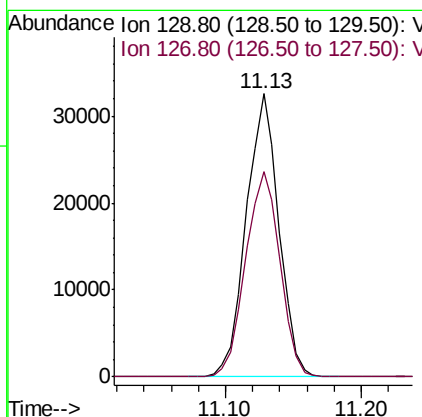
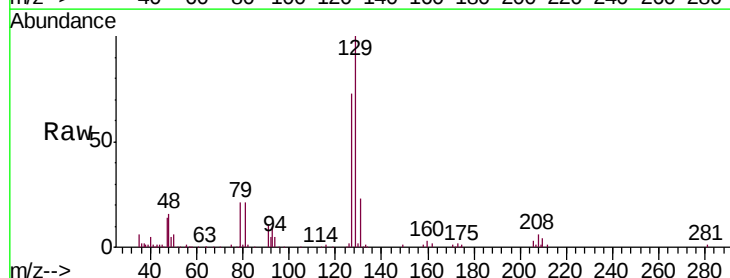
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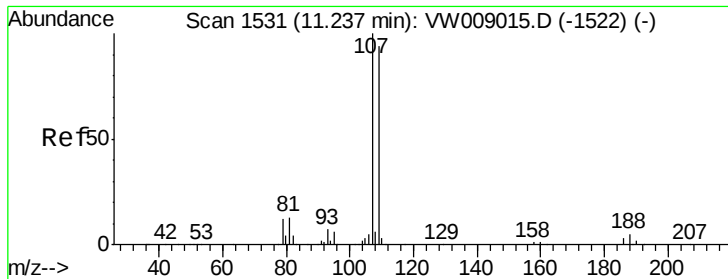
MMDadoda
3/8/2019 12:07:14 AM



#60
Dibromochloromethane
Concen: 22.865 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 129 Resp: 54784
Ion Ratio Lower Upper
129 100
127 76.7 39.0 116.9





#61

1,2-Dibromoethane

Concen: 23.408 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 107 Resp: 43766

Ion Ratio Lower Upper

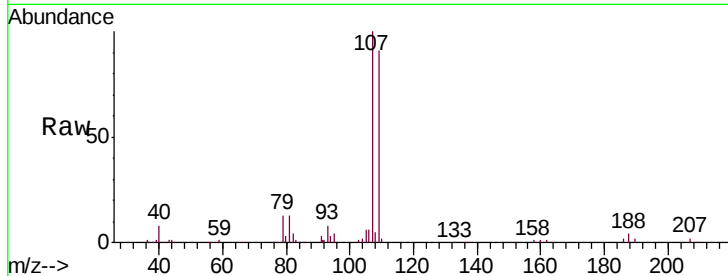
107 100

109 94.7 75.7 113.5

Manual Integrations
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3/8/2019 12:07:14 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.23

25000

20000

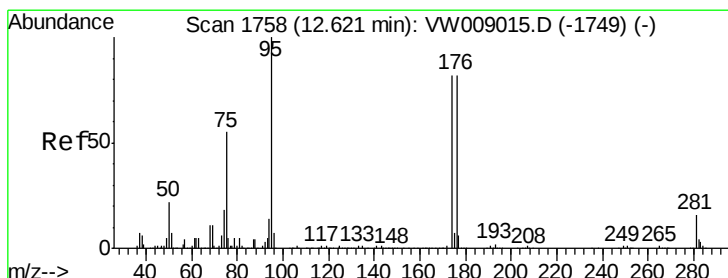
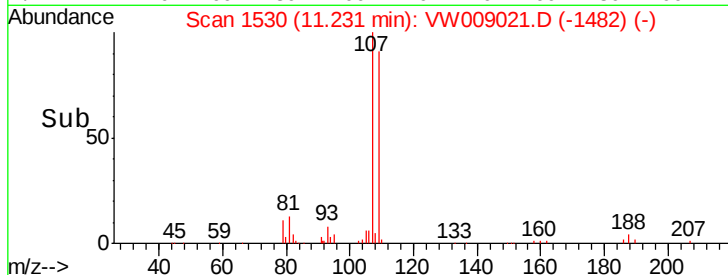
15000

10000

5000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.929 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

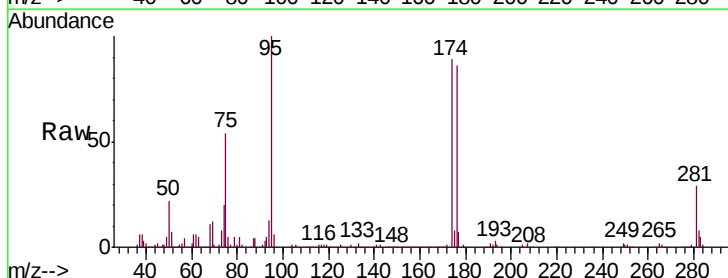
Tgt Ion: 95 Resp: 211581

Ion Ratio Lower Upper

95 100

174 86.6 0.0 165.8

176 82.9 0.0 159.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

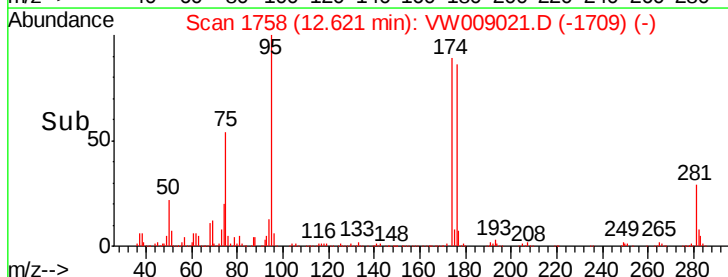
150000

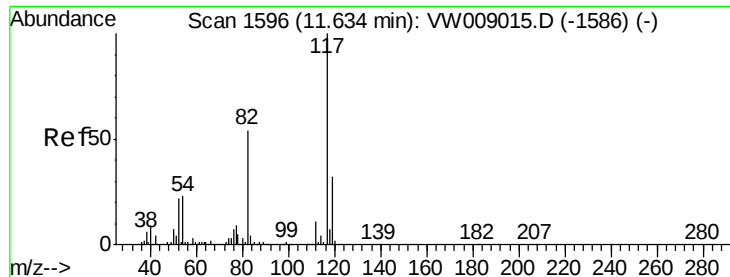
100000

50000

0

Time-->





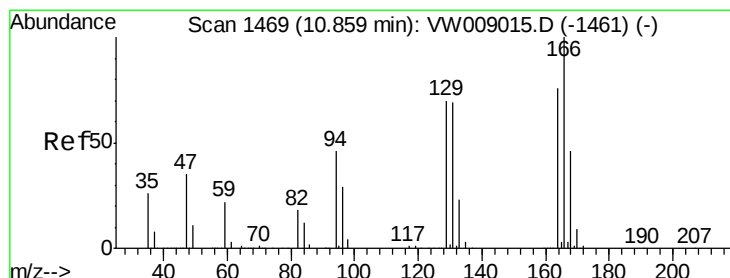
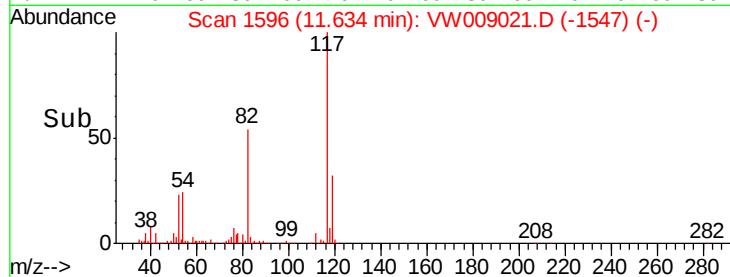
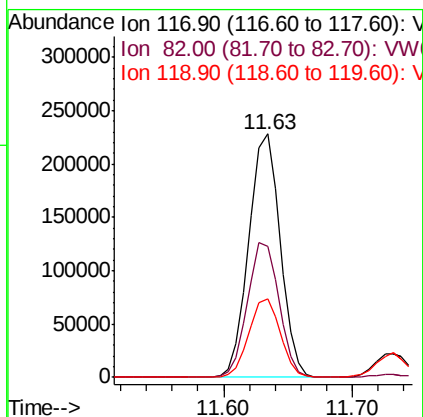
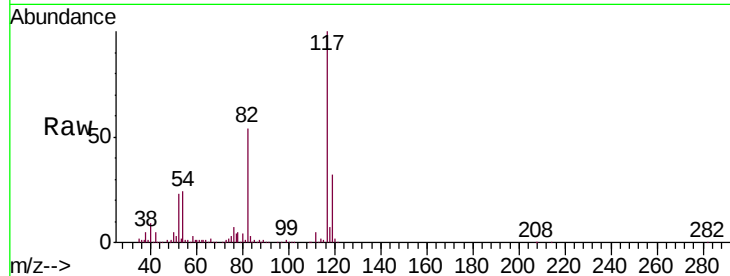
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	383564		
82	53.9	43.4	65.2	
119	32.2	25.8	38.8	

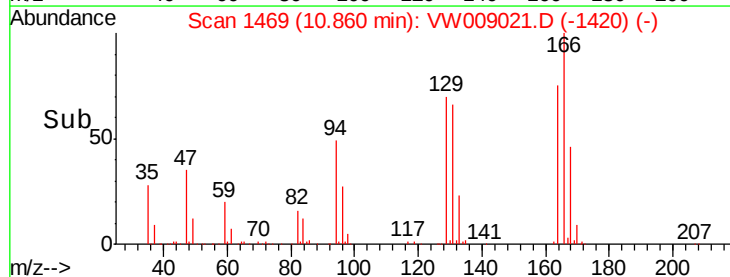
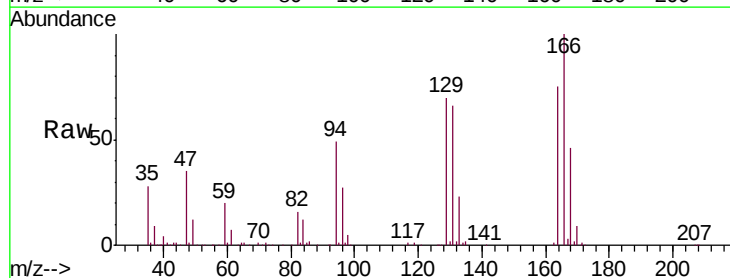
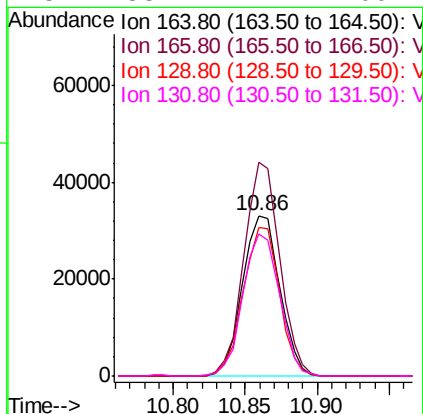
Manual Integrations
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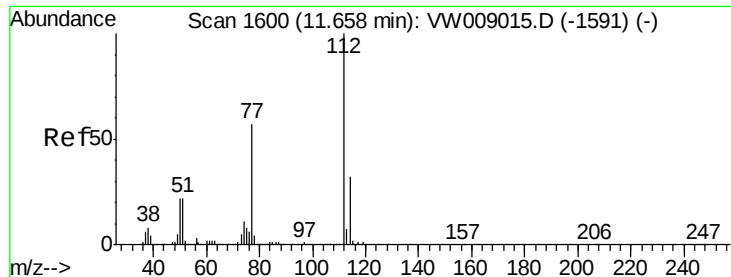
MMDadoda
3/8/2019 12:07:14 AM



#64
Tetrachloroethene
Concen: 22.361 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	59221		
166	133.0	104.6	157.0	
129	92.8	73.4	110.2	
131	88.4	72.7	109.1	





#65

Chlorobenzene

Concen: 22.312 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion:112 Resp: 177633

Ion Ratio Lower Upper

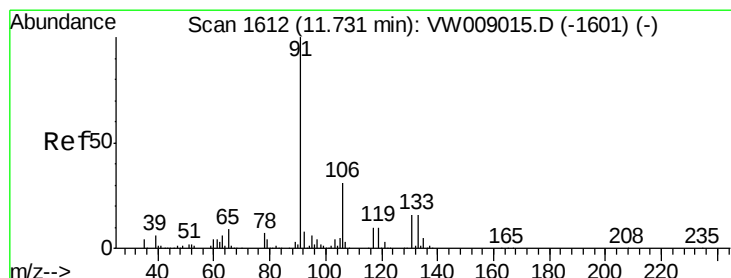
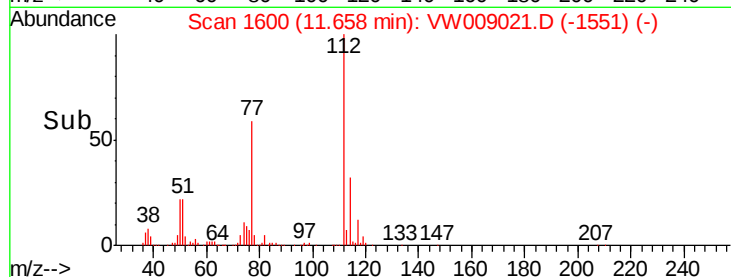
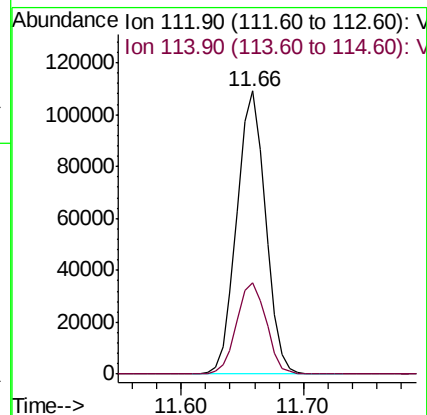
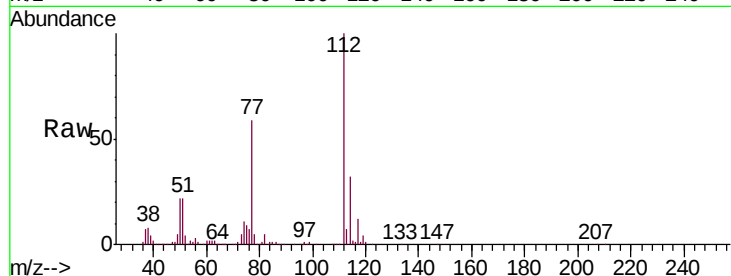
112 100

114 32.2 25.5 38.3

Manual Integrations
APPROVED

MMDadoda

3/8/2019 12:07:14 AM



#66

1,1,1,2-Tetrachloroethane

Concen: 22.754 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

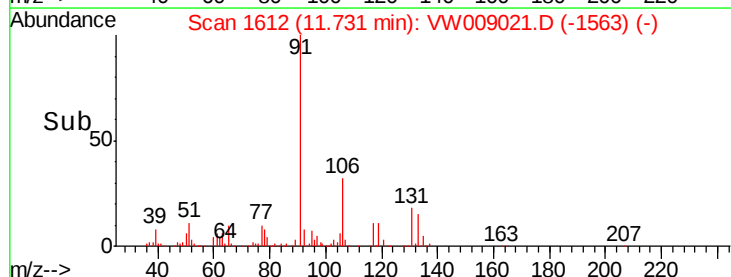
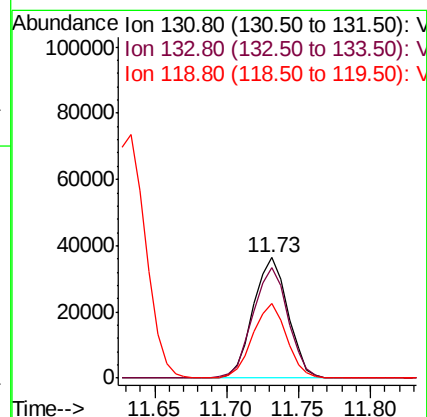
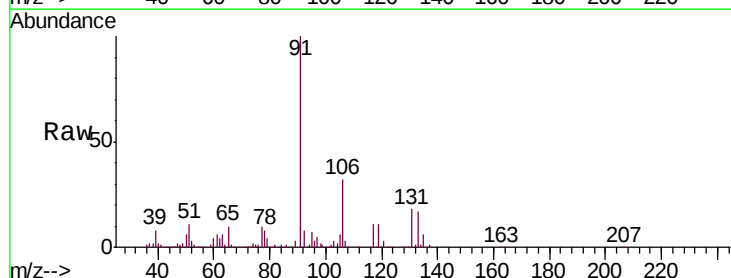
Tgt Ion:131 Resp: 60838

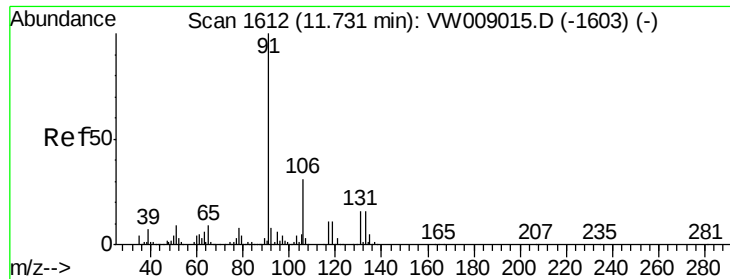
Ion Ratio Lower Upper

131 100

133 93.0 48.1 144.3

119 60.6 31.1 93.5





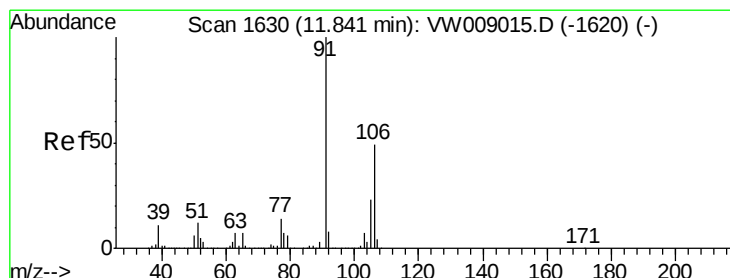
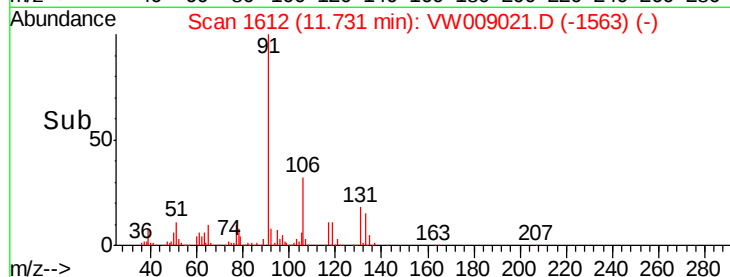
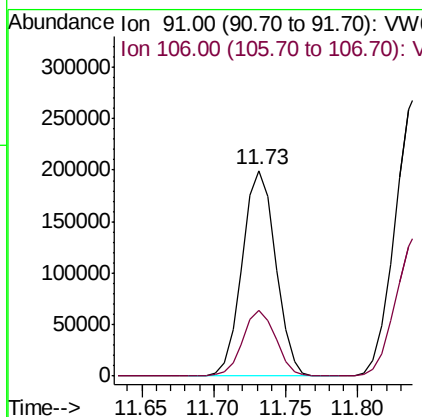
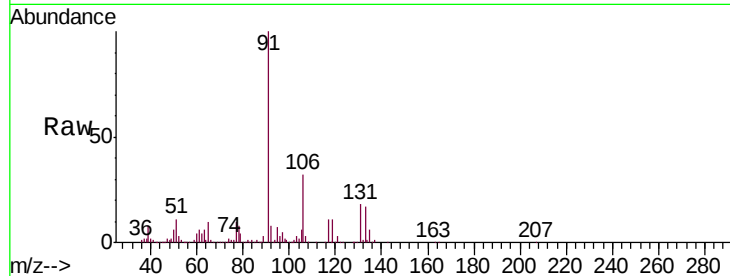
#67
Ethyl Benzene
Concen: 22.221 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion: 91 Resp: 320758
Ion Ratio Lower Upper
91 100
106 31.8 25.2 37.8

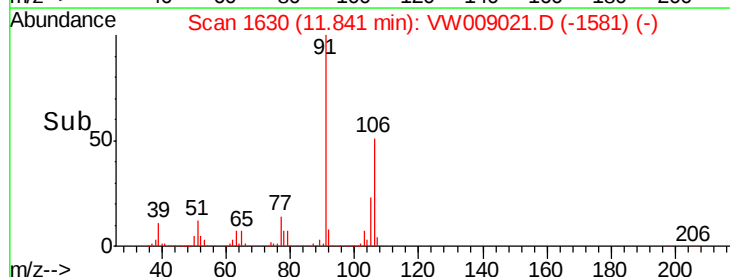
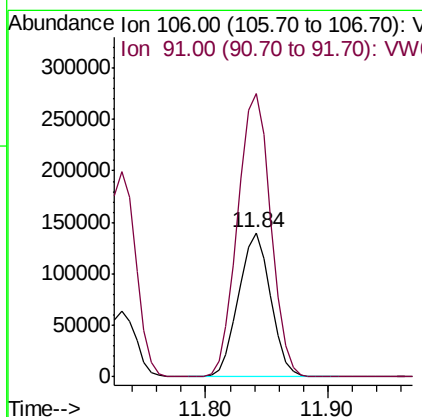
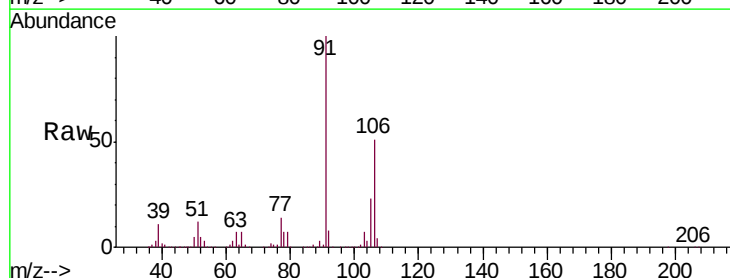
Manual Integrations
APPROVED

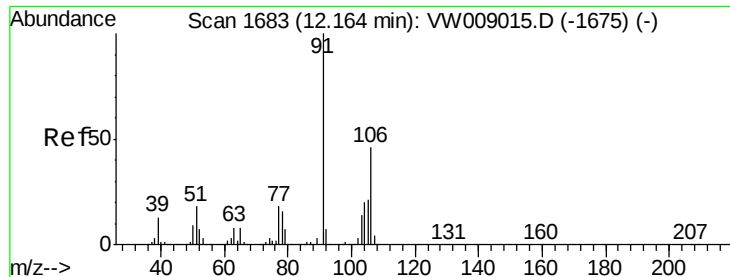
MMDadoda
3/8/2019 12:07:14 AM



#68
m/p-Xylenes
Concen: 44.922 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion: 106 Resp: 255866
Ion Ratio Lower Upper
106 100
91 202.6 162.9 244.3





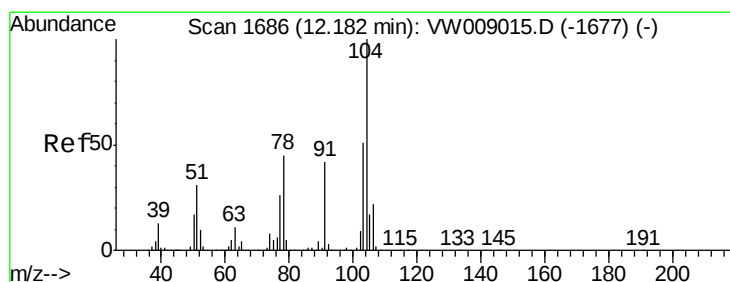
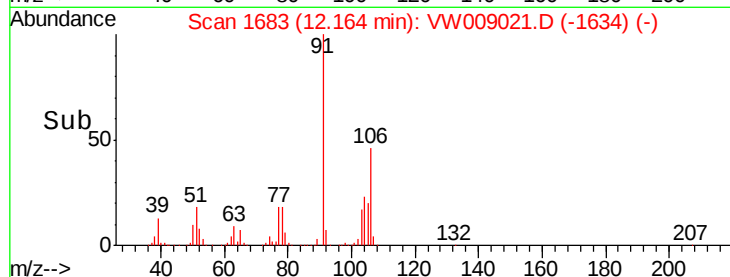
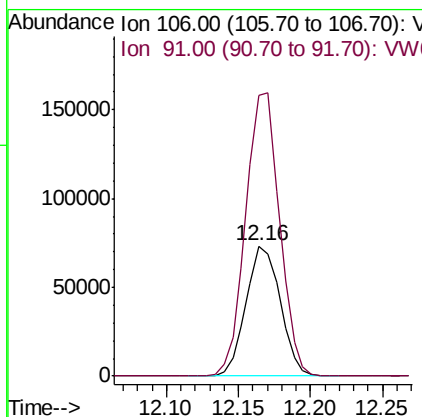
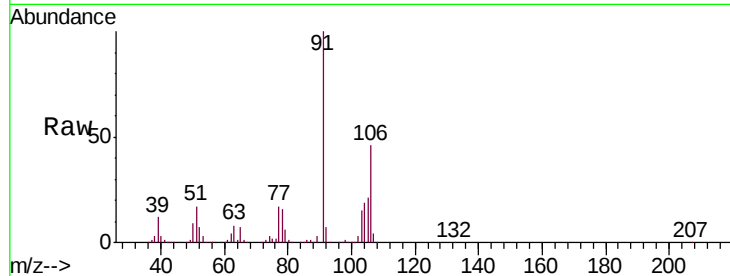
#69
o-Xylene
Concen: 22.607 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
106	100		
91	216.8	107.4	322.2

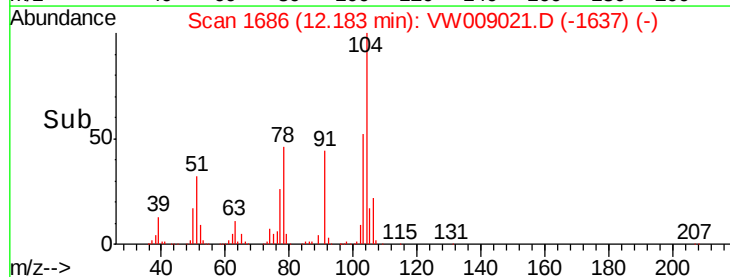
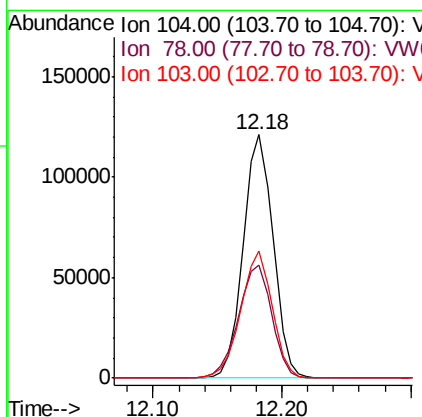
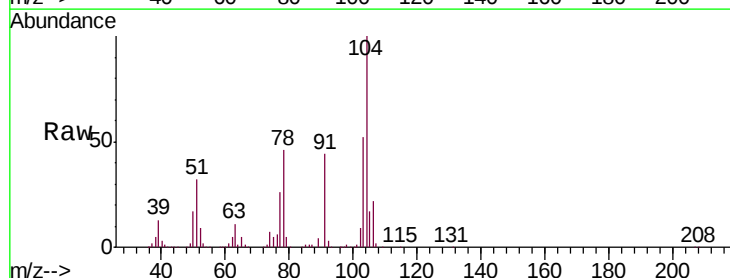
Manual Integrations
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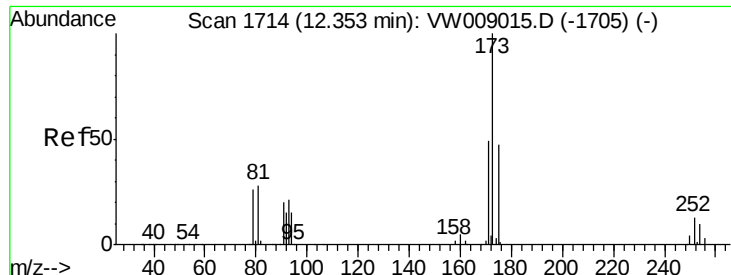
MMDadoda
3/8/2019 12:07:14 AM



#70
Styrene
Concen: 22.536 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.8	41.9	62.9
103	55.2	44.9	67.3





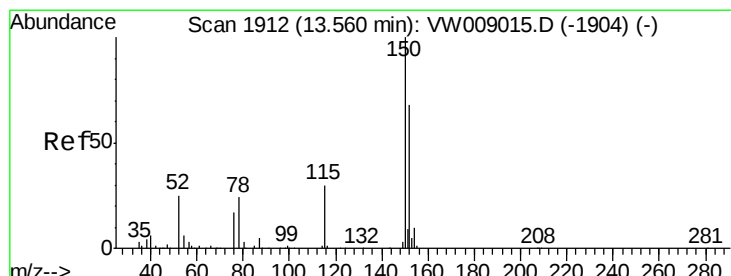
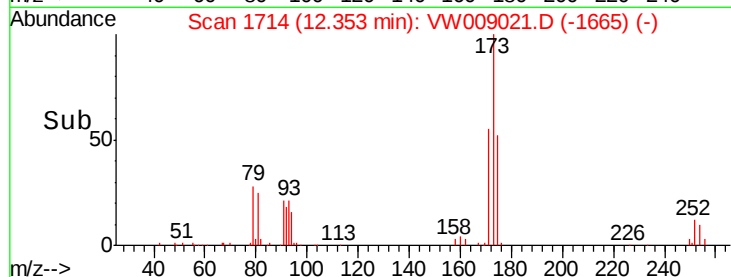
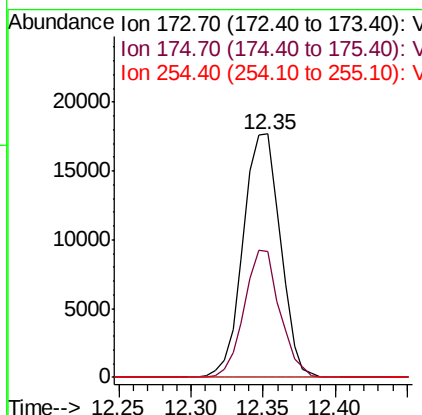
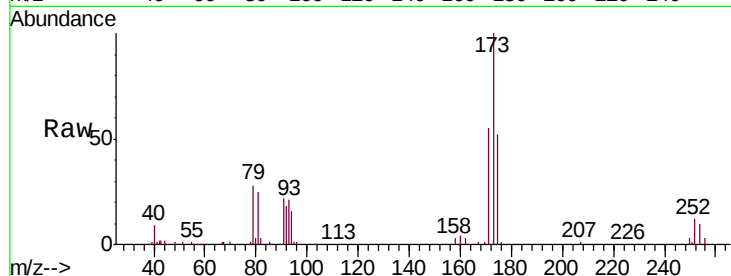
#71
Bromoform
Concen: 22.187 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.3	69.9
254	0.0	0.1	0.1

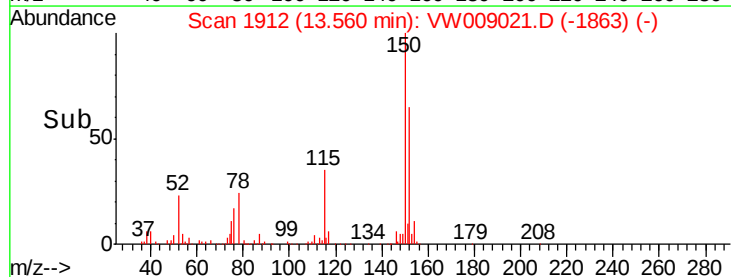
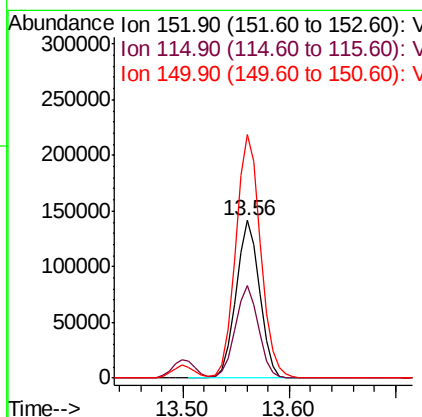
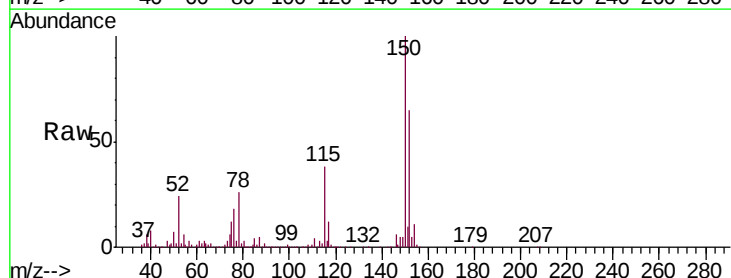
Manual Integrations
APPROVED

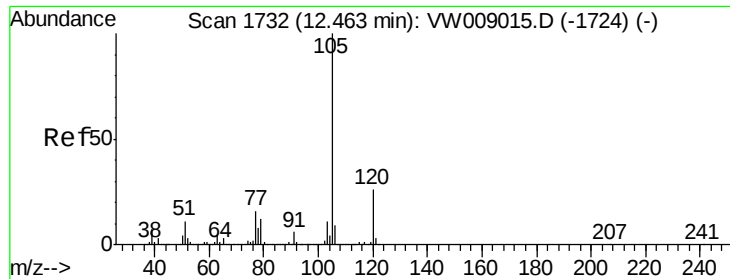
MMDadoda
3/8/2019 12:07:14 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.3	87.8
150	162.8	0.0	348.6





#73

Isopropylbenzene

Concen: 21.697 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampleId :

VW0306SBS01

Tgt Ion: 105 Resp: 326950

Ion Ratio Lower Upper

105 100

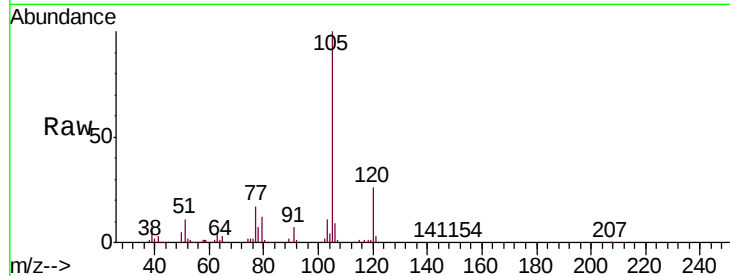
120 26.9 13.2 39.6

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

200000

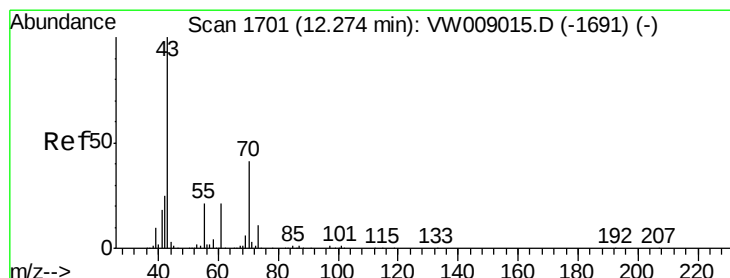
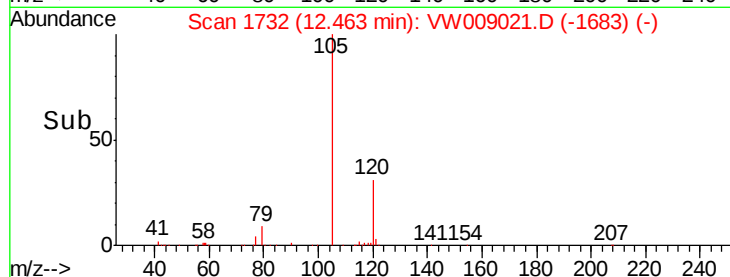
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 23.585 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion: 43 Resp: 84677

Ion Ratio Lower Upper

43 100

70 38.2 31.2 46.8

55 24.3 18.0 27.0

61 22.6 17.3 25.9

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

12.27

80000

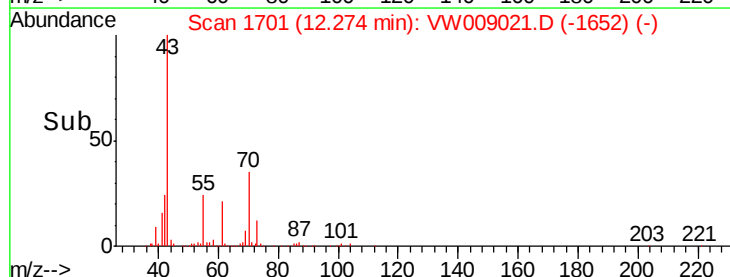
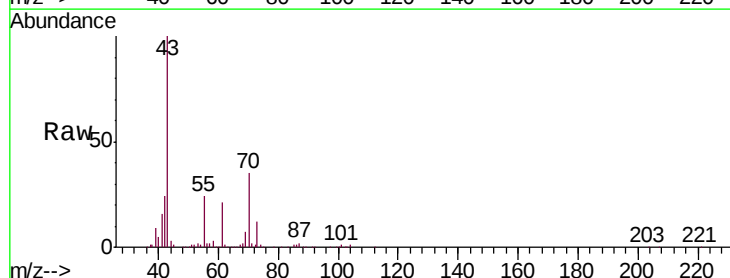
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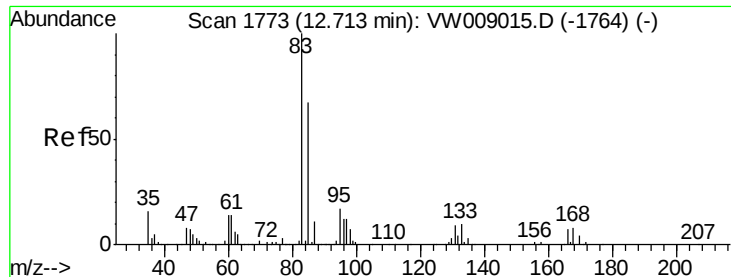
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.022 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

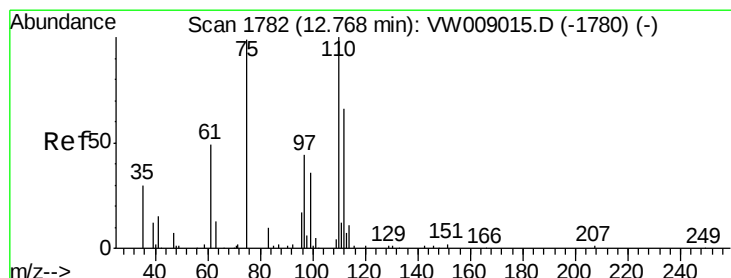
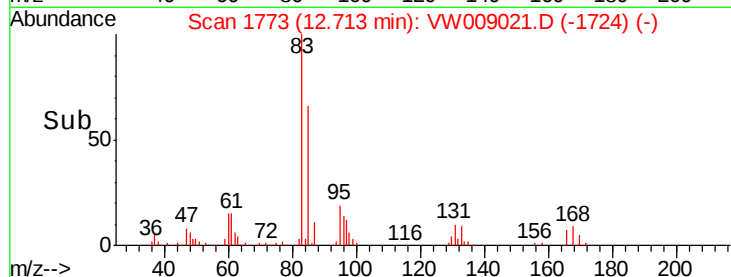
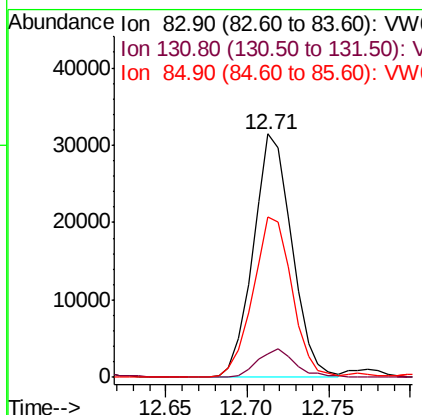
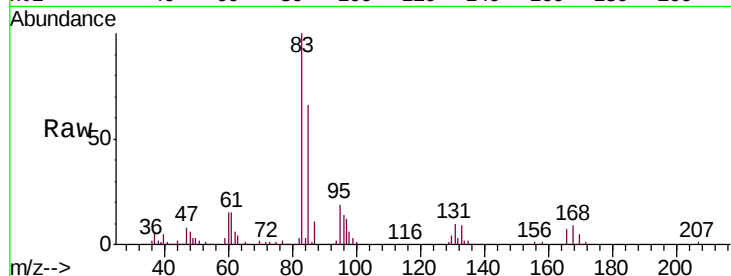
ClientSampleId :

VW0306SBS01

Tgt Ion:	83	Resp:	51761
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.5	16.7
85	66.4	32.8	98.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.368 ug/l m

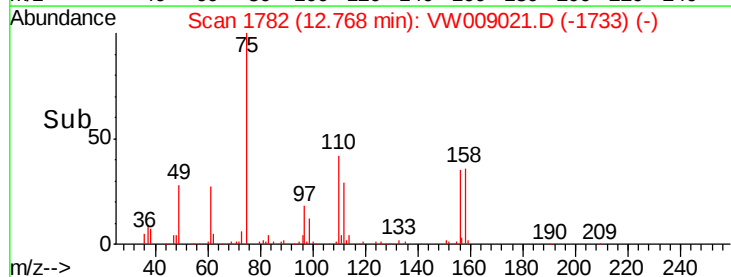
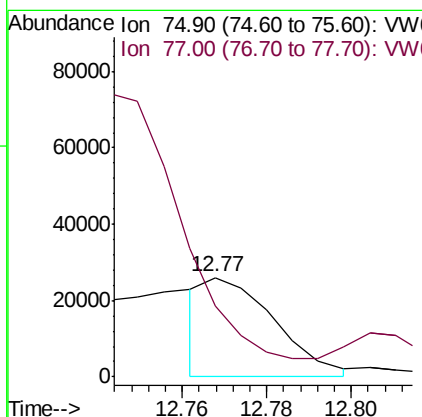
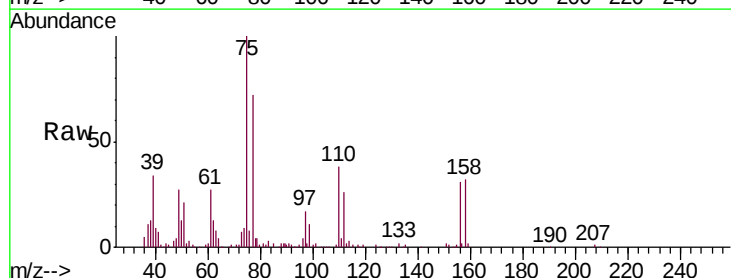
RT: 12.77 min Scan# 1782

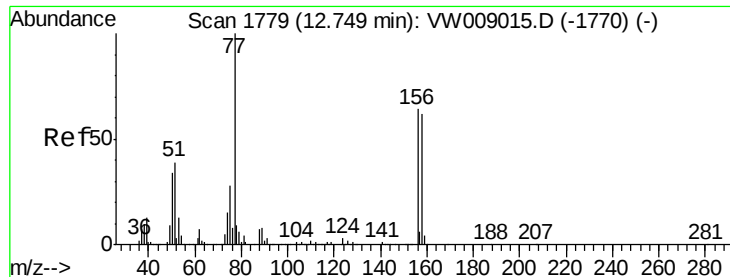
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	75	Resp:	30305
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.402 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

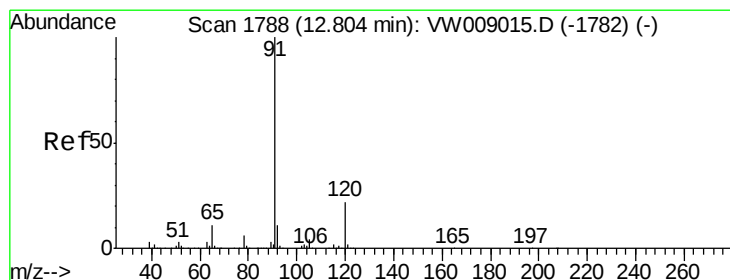
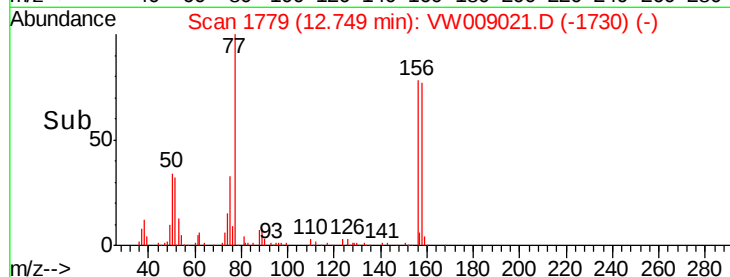
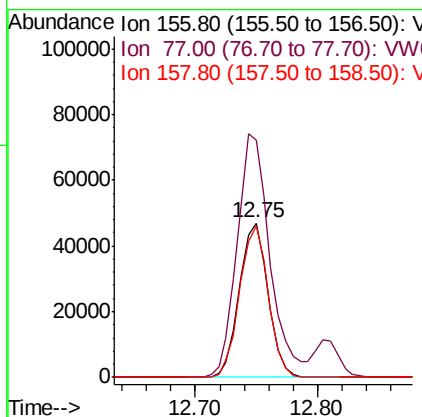
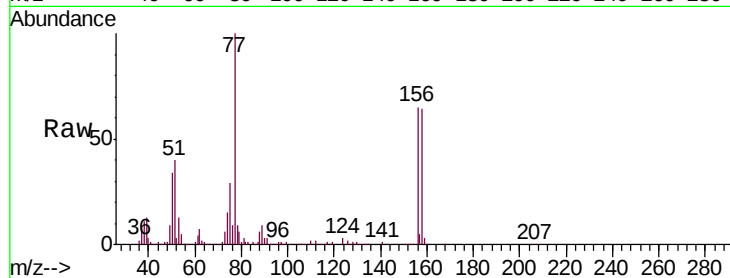
ClientSampleId :

VW0306SBS01

Tgt Ion:	156	Resp:	76422
Ion Ratio	Lower	Upper	
156	100		
77	179.0	91.6	274.9
158	98.1	48.8	146.4

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#78

n-propylbenzene

Concen: 21.940 ug/l

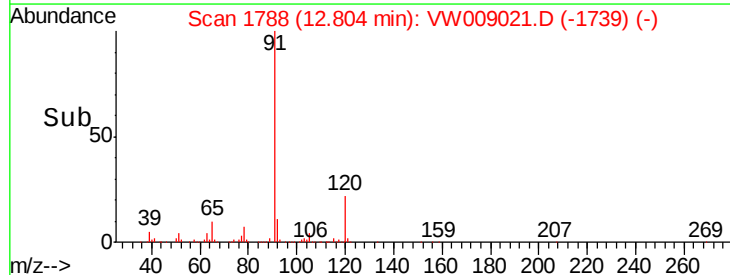
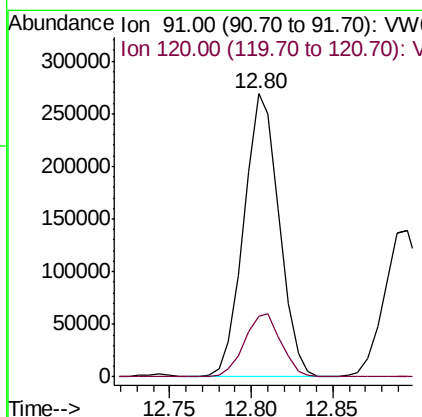
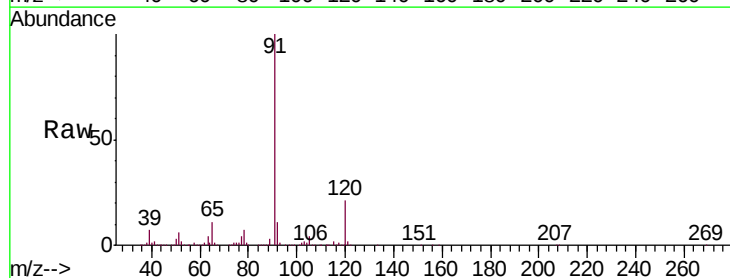
RT: 12.80 min Scan# 1788

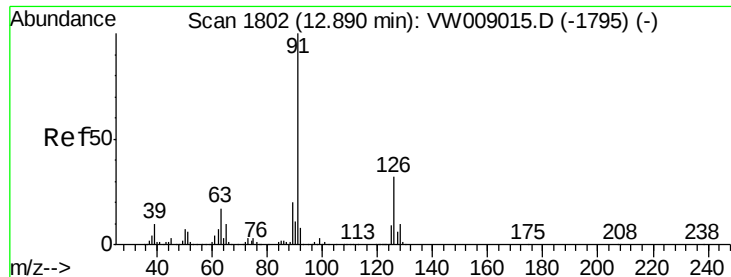
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	91	Resp:	405890
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.3	33.9





#79

2-Chlorotoluene

Concen: 22.135 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.01 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

ClientSampled :

VW0306SBSD01

Tgt Ion: 91 Resp: 231216

Ion Ratio Lower Upper

91 100

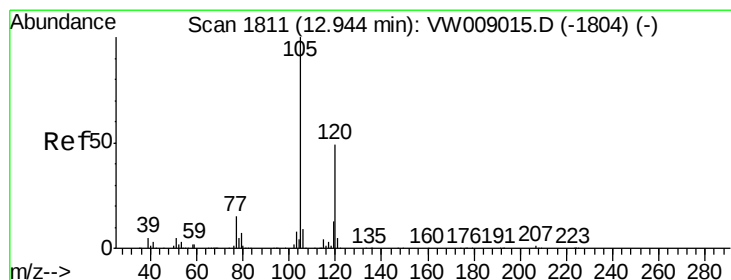
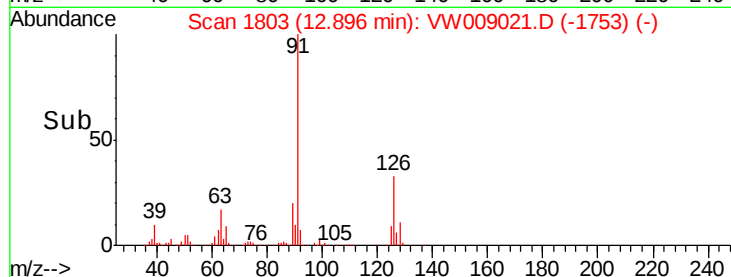
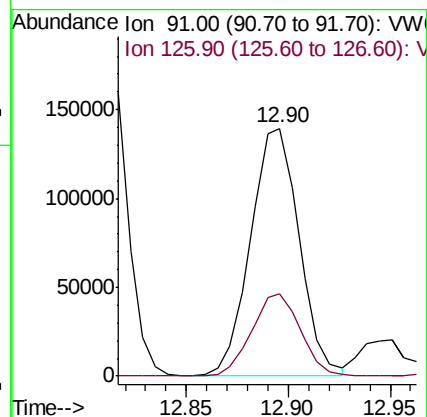
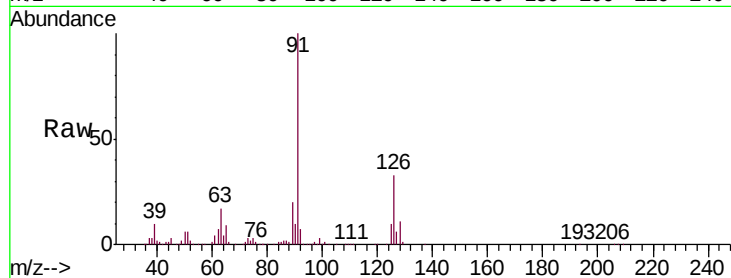
126 33.3 16.8 50.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.508 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW009021.D

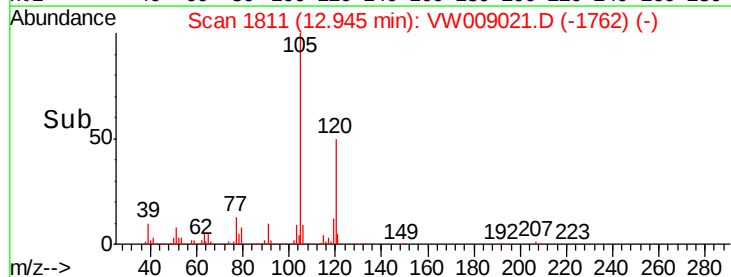
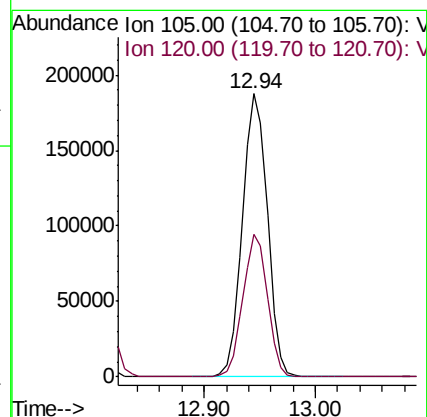
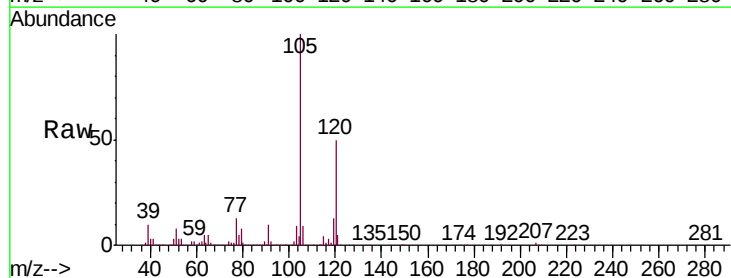
Acq: 06 Mar 2019 17:55

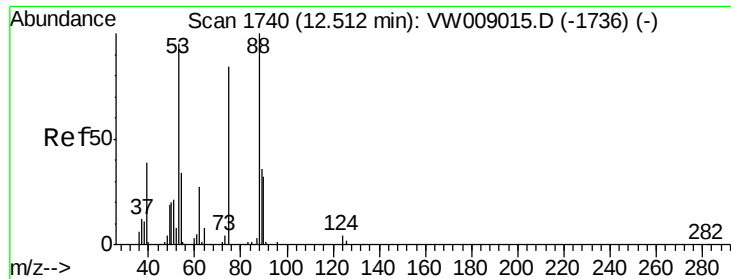
Tgt Ion: 105 Resp: 291085

Ion Ratio Lower Upper

105 100

120 49.7 24.6 73.8





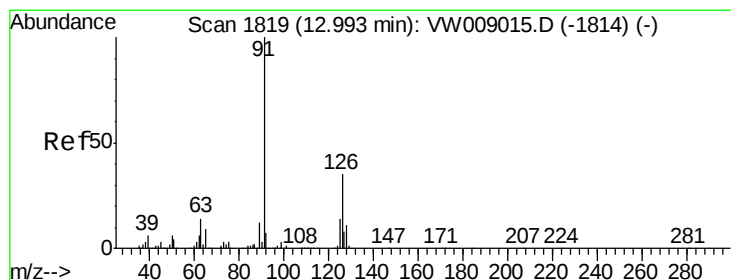
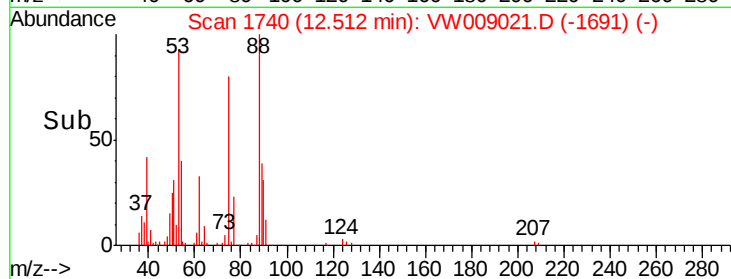
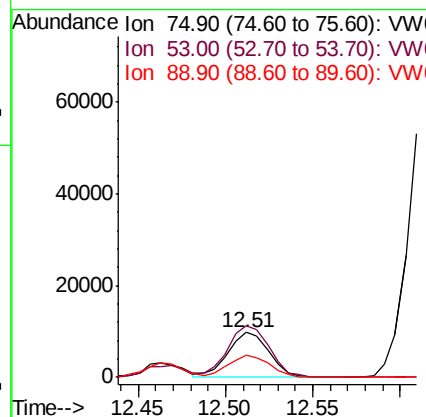
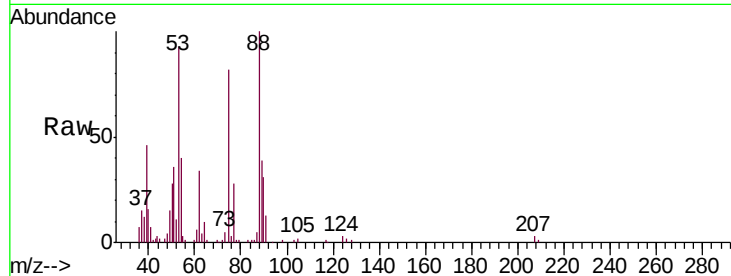
#81
trans-1,4-Dichloro-2-butene
Concen: 22.826 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampled :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	115.8	88.5	132.7
89	48.7	36.3	54.5

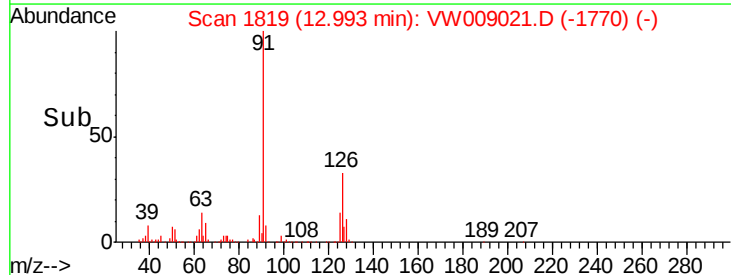
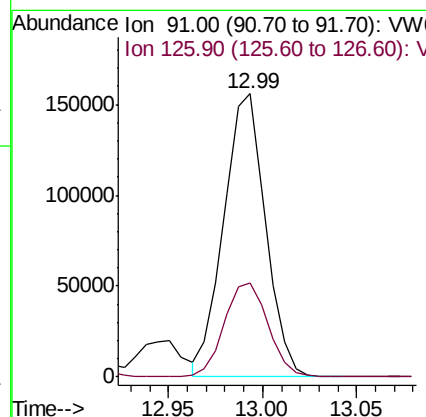
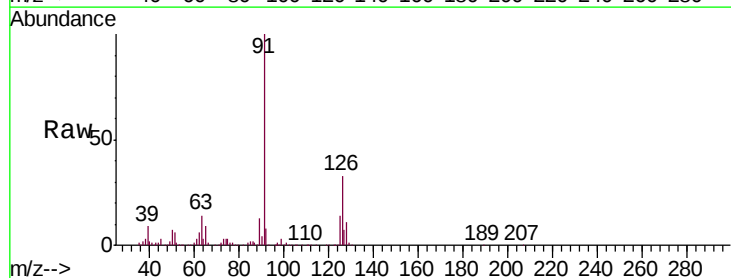
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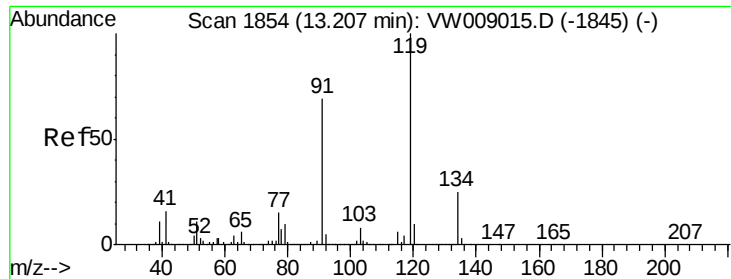
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.546 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	16.9	50.6





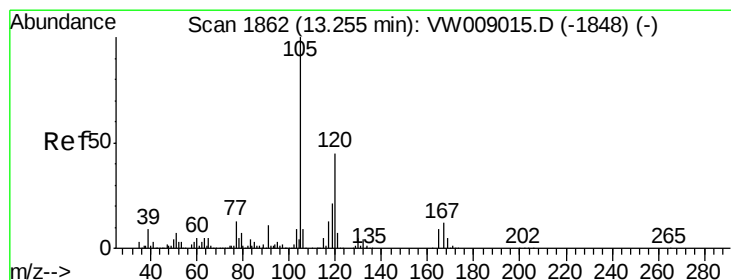
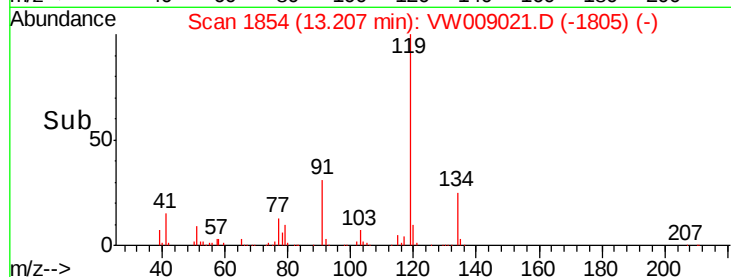
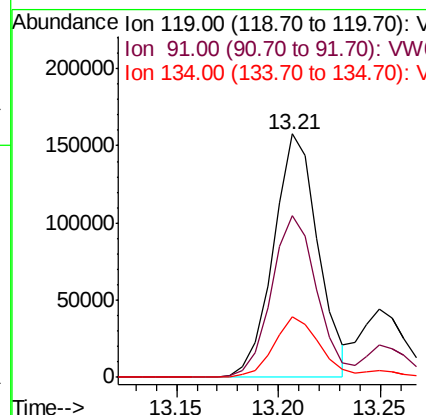
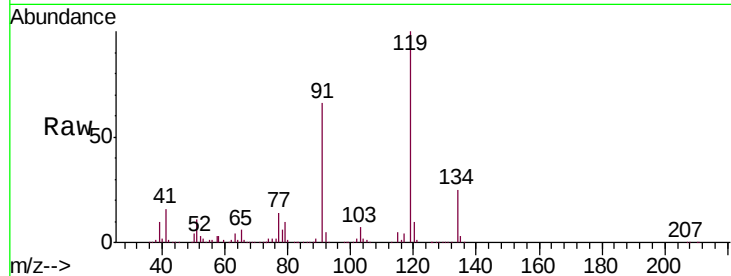
#83
 tert-Butylbenzene
 Concen: 21.613 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampled :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	68.0	34.3	102.9
134	27.5	13.6	40.8

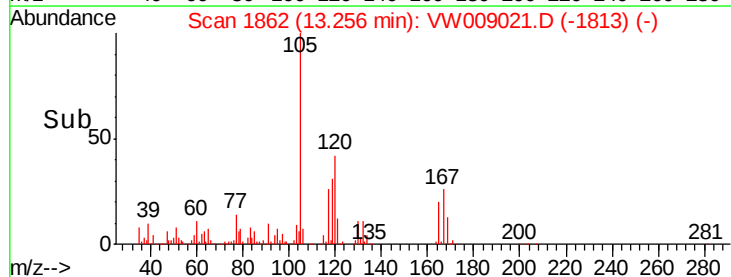
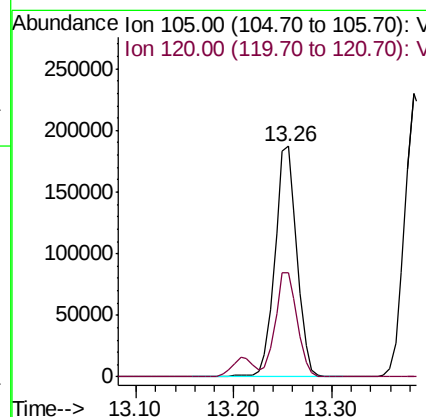
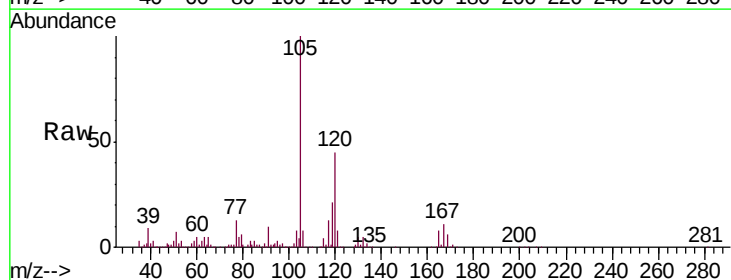
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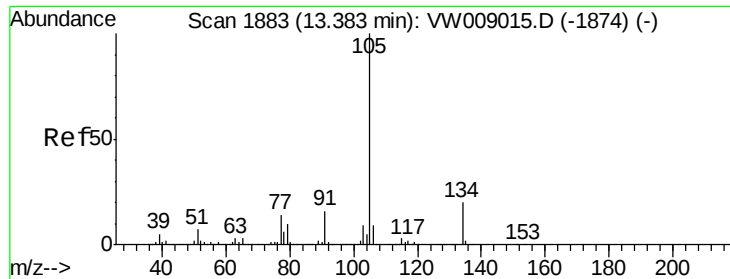
MMDadoda
 3/8/2019 12:07:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.328 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.6	67.7





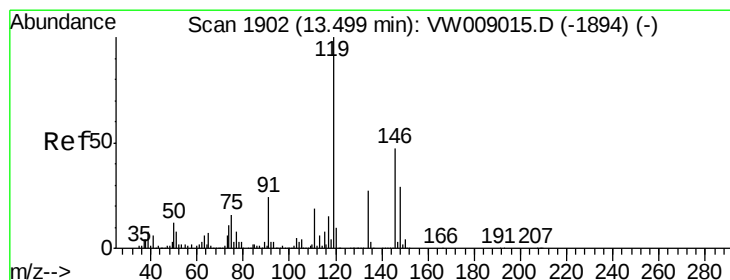
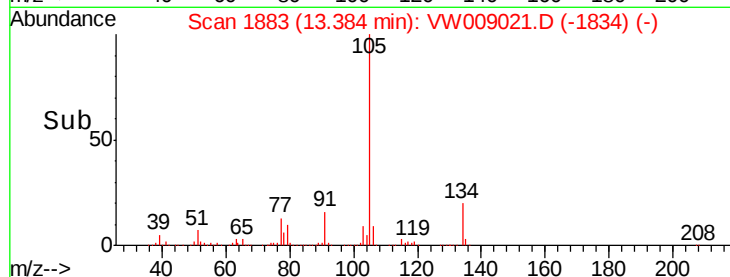
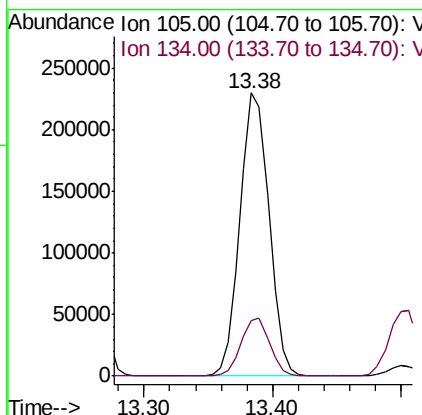
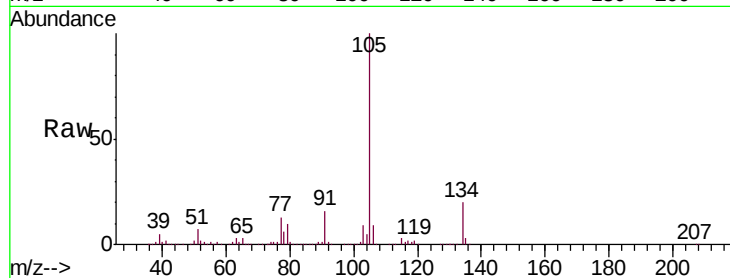
#85
 sec-Butylbenzene
 Concen: 22.133 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleID :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.9	10.2	30.6

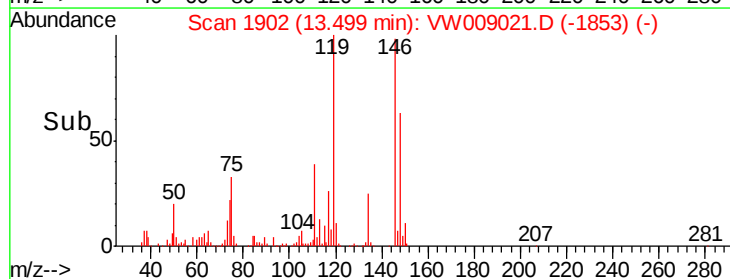
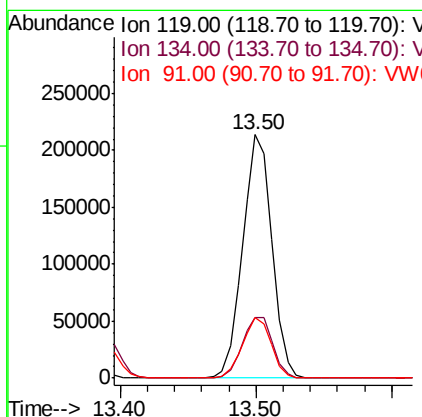
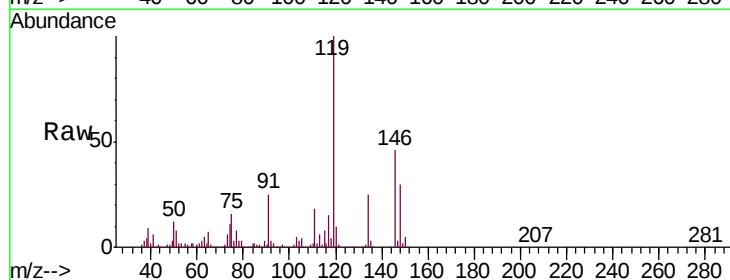
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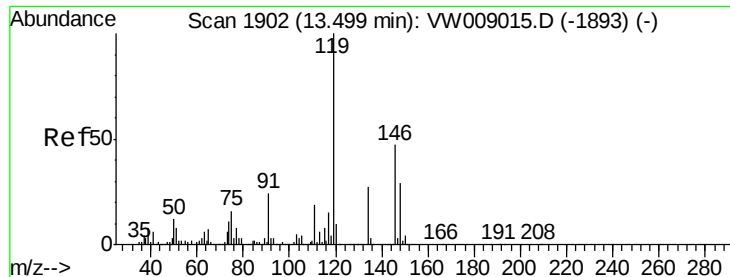
MMDadoda
 3/8/2019 12:07:14 AM



#86
 p-Isopropyltoluene
 Concen: 21.883 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.2	13.0	38.9
91	24.5	12.1	36.3





#87

1,3-Dichlorobenzene

Concen: 21.877 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

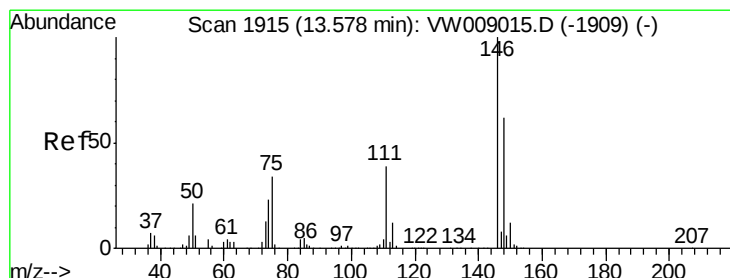
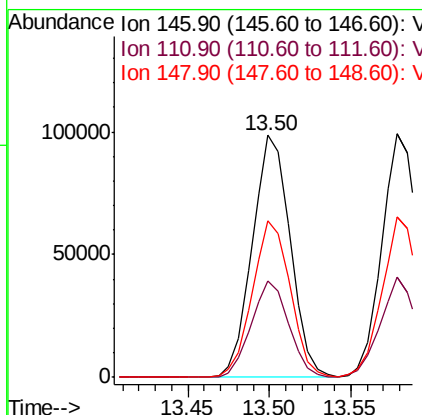
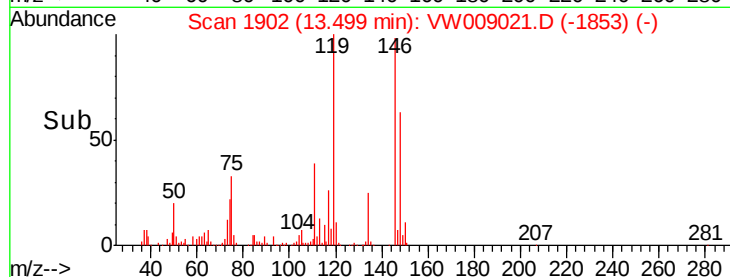
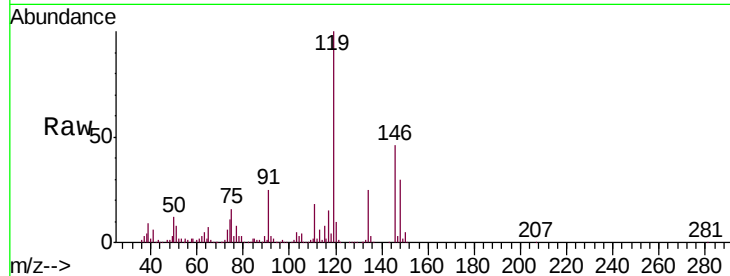
Instrument :
MSVOA_W

ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.6	58.7
148	64.3	31.7	95.1

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#88

1,4-Dichlorobenzene

Concen: 21.719 ug/l

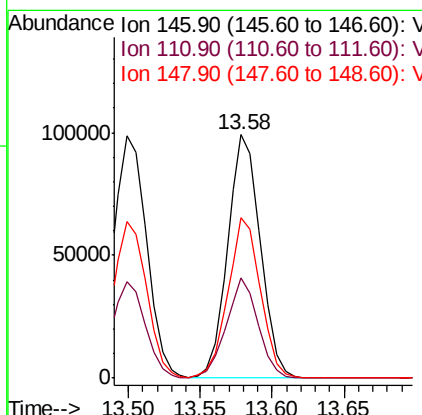
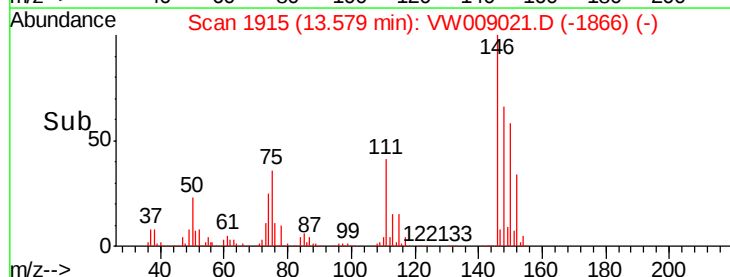
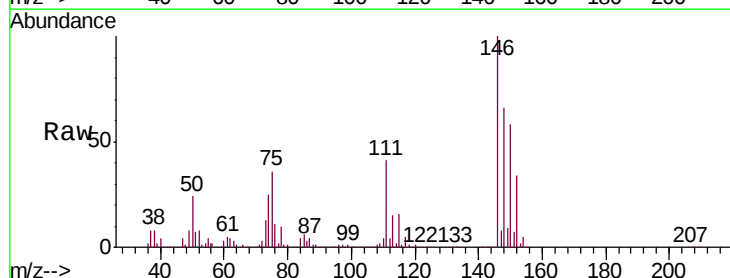
RT: 13.58 min Scan# 1915

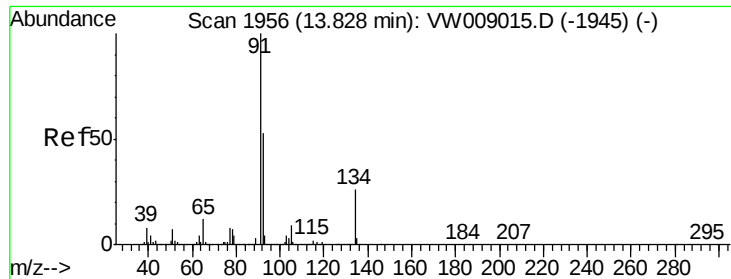
Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	19.9	59.7
148	65.7	31.7	95.1





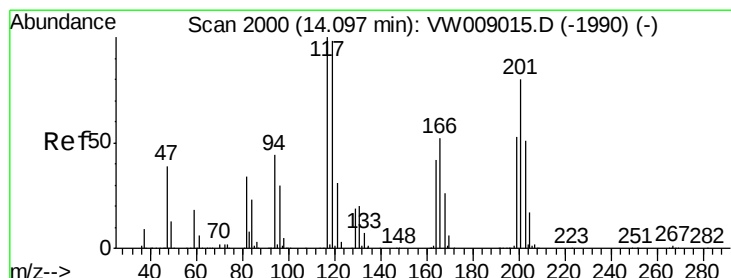
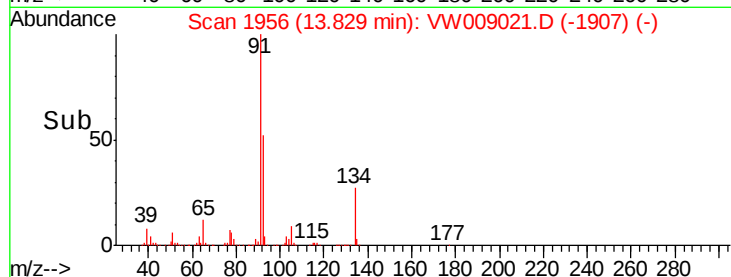
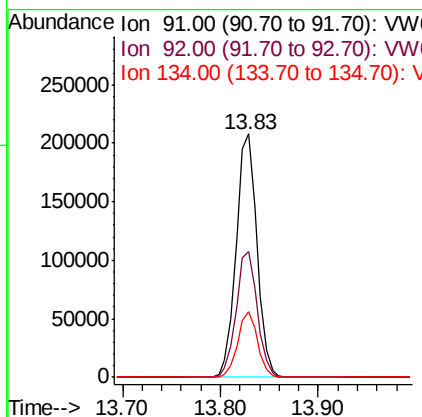
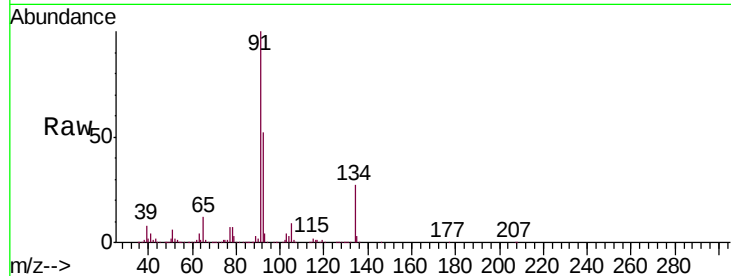
#89
n-Butylbenzene
Concen: 22.114 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.7	80.0
134	25.9	13.0	39.0

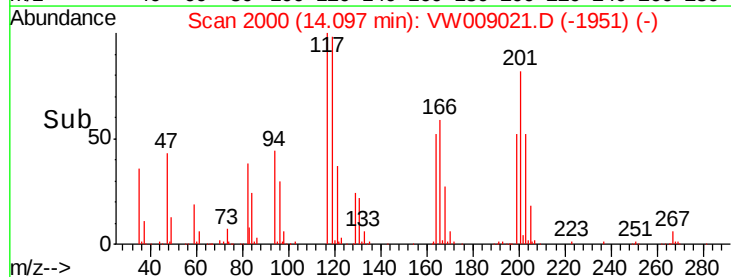
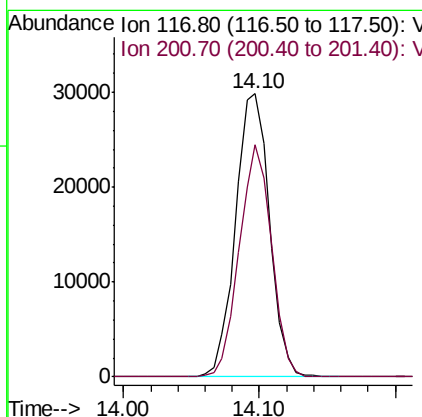
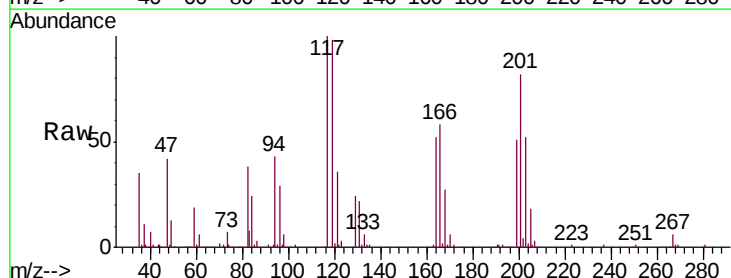
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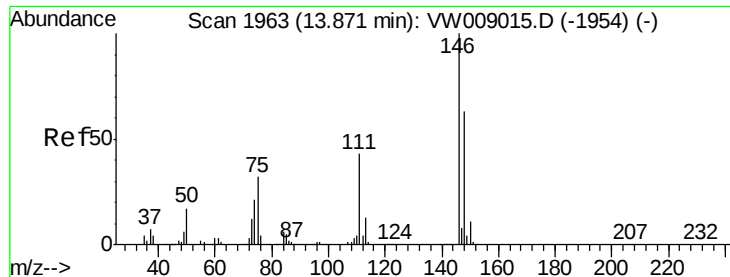
MMDadoda
3/8/2019 12:07:14 AM



#90
Hexachloroethane
Concen: 20.734 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.9	38.9	116.6





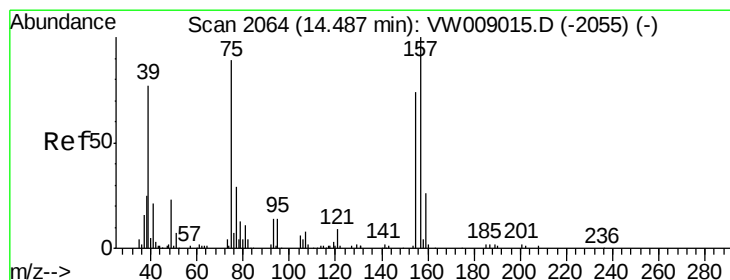
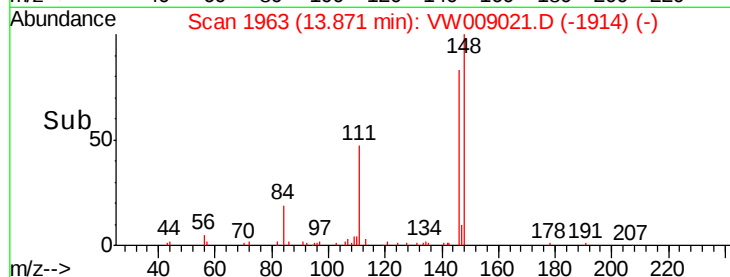
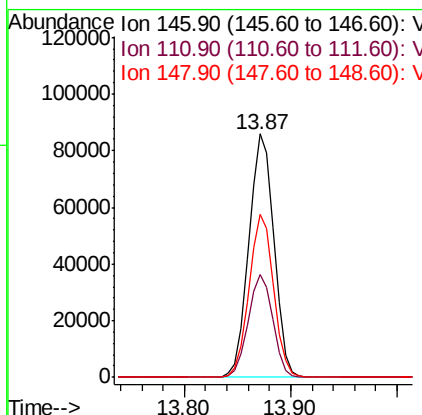
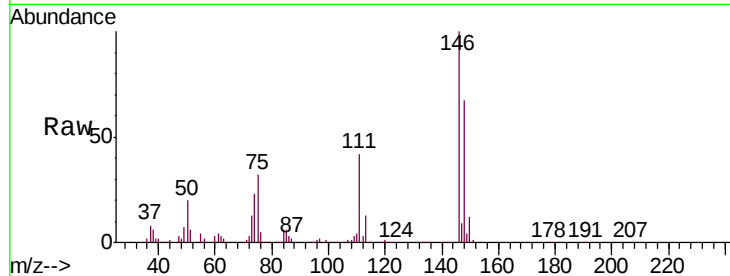
#91
 1,2-Dichlorobenzene
 Concen: 22.305 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0306SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.8	62.4
148	65.2	31.8	95.3

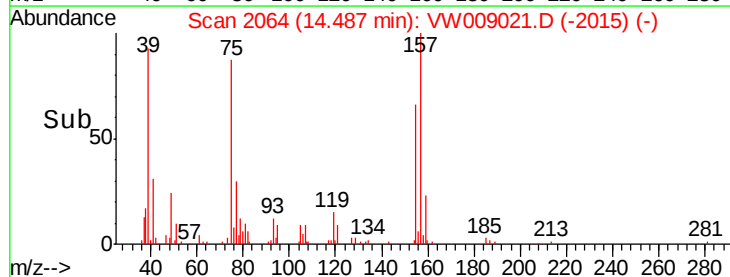
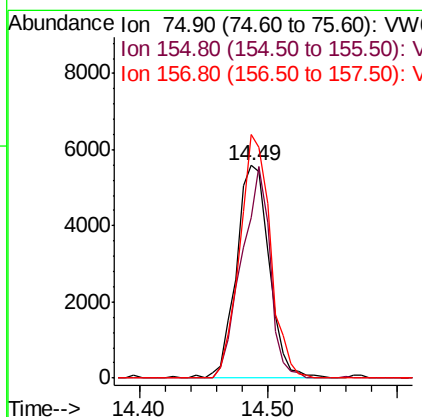
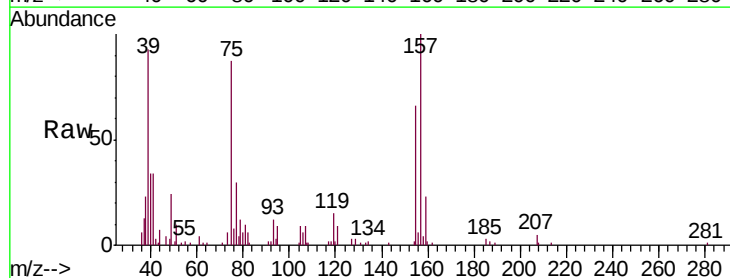
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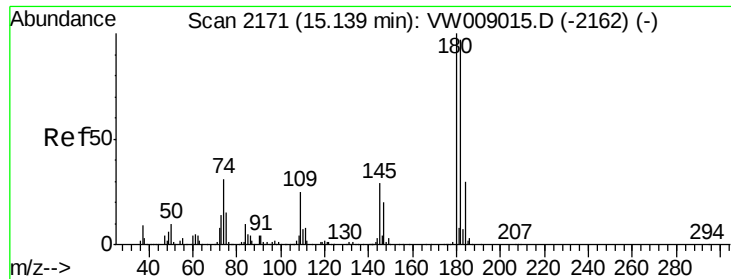
MMDadoda
 3/8/2019 12:07:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.905 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW009021.D
 Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.2	41.4	124.4
157	106.4	53.1	159.4





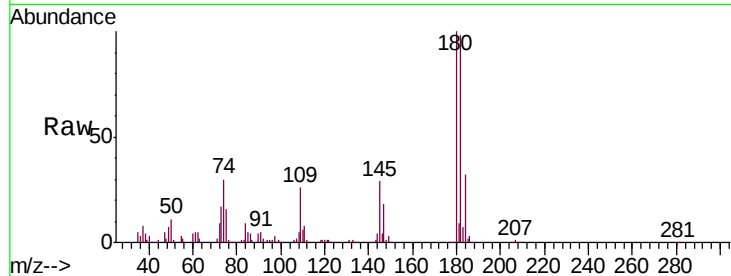
#93
1,2,4-Trichlorobenzene
Concen: 23.150 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Instrument :
MSVOA_W
ClientSampleId :
VW0306SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101290		
182	95.2	47.6	142.9	
145	31.1	14.7	44.1	

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3/8/2019 12:07:14 AM

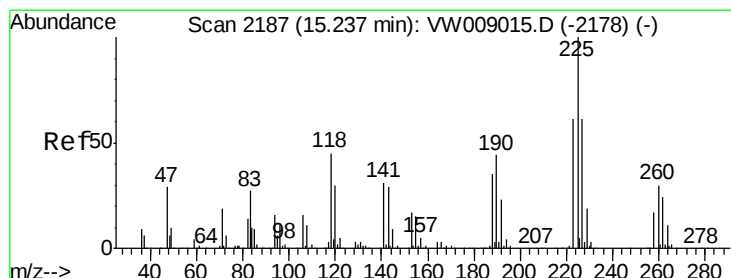
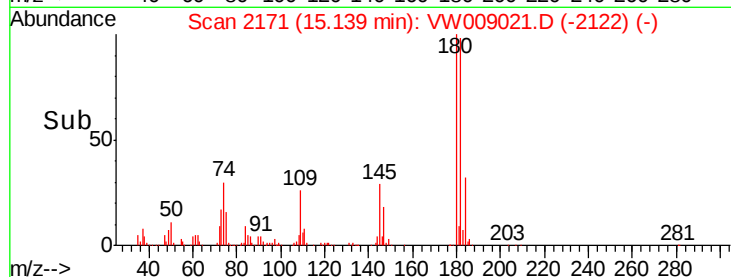
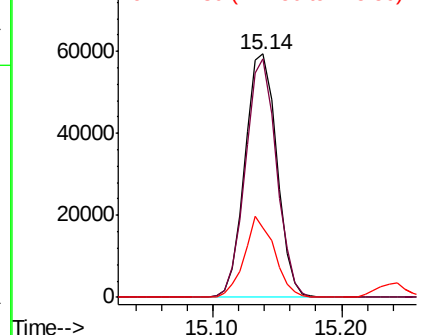


Abundance

Ion 179.80 (179.50 to 180.50): V

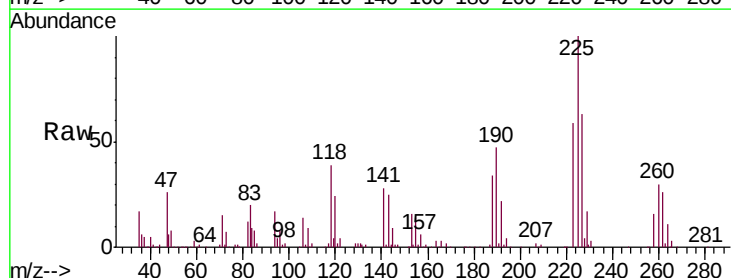
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 22.291 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.01 min
Lab File: VW009021.D
Acq: 06 Mar 2019 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	61994		
223	62.5	30.6	91.8	
227	65.1	31.2	93.6	

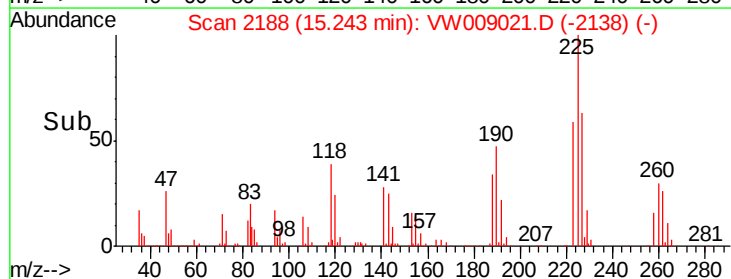
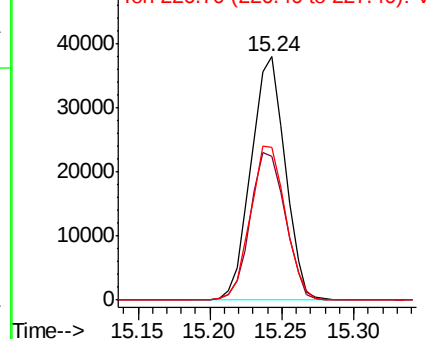


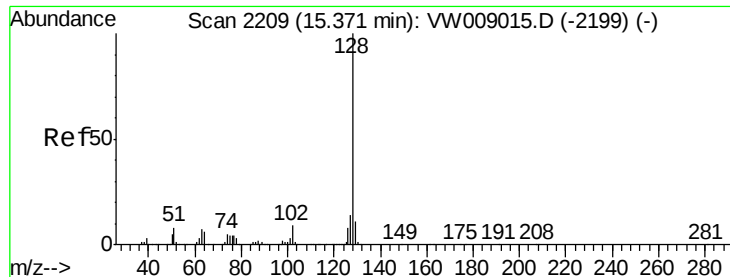
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 23.682 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Instrument :

MSVOA_W

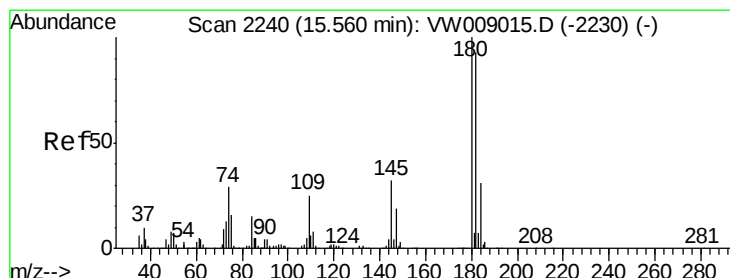
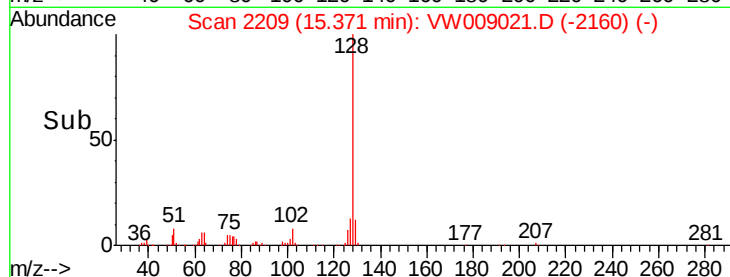
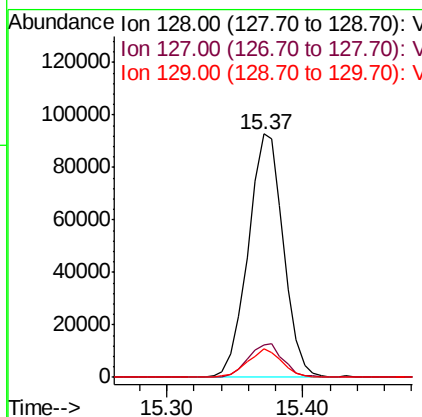
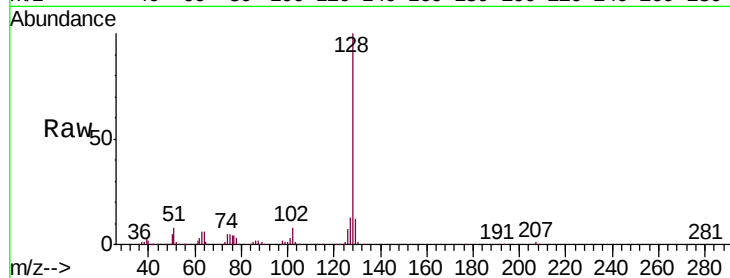
ClientSampleId :

VW0306SBSD01

Tgt Ion:	128	Resp:	168002
Ion Ratio	Lower	Upper	
128	100		
127	13.6	11.0	16.4
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
3/8/2019 12:07:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 23.884 ug/l

RT: 15.56 min Scan# 2240

Delta R.T. 0.00 min

Lab File: VW009021.D

Acq: 06 Mar 2019 17:55

Tgt Ion:	180	Resp:	90477
Ion Ratio	Lower	Upper	
180	100		
182	93.4	47.3	141.8
145	30.5	15.4	46.2

