

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW100219\
 Data File : VW013402.D
 Acq On : 03 Oct 2019 03:44
 Operator : SY/VA
 Sample : VW1002SBSD02
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/4/2019 12:11:08 PM

Quant Time: Oct 04 08:20:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W100119S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 02 11:49:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	302086	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	422885	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	364142	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.55	152	185121	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	134056	59.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.86%	
35) Dibromofluoromethane	7.88	113	127582	57.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.00%	
50) Toluene-d8	10.32	98	530404	57.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.20%	
62) 4-Bromofluorobenzene	12.62	95	177367	57.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	26653	22.811	ug/l	100
3) Chloromethane	2.20	50	42140	21.856	ug/l	98
4) Vinyl Chloride	2.35	62	58893	21.522	ug/l	98
5) Bromomethane	2.76	94	33971	20.207	ug/l	97
6) Chloroethane	2.91	64	31482	19.924	ug/l	100
7) Trichlorofluoromethane	3.25	101	22036	18.562	ug/l	89
8) Diethyl Ether	3.67	74	29394	21.392	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	57880	21.991	ug/l	99
10) Methyl Iodide	4.26	142	83606	19.670	ug/l	99
11) Tert butyl alcohol	5.18	59	30946	159.063	ug/l #	87
12) 1,1-Dichloroethene	4.04	96	56558	20.338	ug/l	98
13) Acrolein	3.89	56	22906	106.768	ug/l	98
14) Allyl chloride	4.66	41	81106	19.716	ug/l	97
15) Acrylonitrile	5.36	53	81483	131.179	ug/l	98
16) Acetone	4.12	43	62914	90.997	ug/l	91
17) Carbon Disulfide	4.38	76	157563	20.310	ug/l	99
18) Methyl Acetate	4.67	43	48811	30.163	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	92487	22.597	ug/l	96
20) Methylene Chloride	4.90	84	62529	20.612	ug/l	93
21) trans-1,2-Dichloroethene	5.42	96	61585	20.796	ug/l	100
22) Diisopropyl ether	6.31	45	167537	21.089	ug/l	99
23) Vinyl Acetate	6.25	43	516821	108.416	ug/l	99
24) 1,1-Dichloroethane	6.21	63	100393	20.747	ug/l	97
25) 2-Butanone	7.17	43	105882	119.685	ug/l	95
26) 2,2-Dichloropropane	7.17	77	53714	18.128	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	64090	20.675	ug/l	97
28) Bromochloromethane	7.51	49	33723	19.275	ug/l	98
29) Tetrahydrofuran	7.53	42	70633	141.639	ug/l	98
30) Chloroform	7.67	83	97521	20.553	ug/l	99
31) Cyclohexane	7.95	56	112901	21.879	ug/l	97
32) 1,1,1-Trichloroethane	7.87	97	80742	21.721	ug/l	99
36) 1,1-Dichloropropene	8.08	75	87222	22.206	ug/l	98
37) Ethyl Acetate	7.25	43	47865	27.679	ug/l	98
38) Carbon Tetrachloride	8.06	117	77331	22.728	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.33	83	119445	23.091	ug/l	97
40) Benzene	8.32	78	239073	21.502	ug/l	99
41) Methacrylonitrile	7.48	41	27016	25.848	ug/l	96
42) 1,2-Dichloroethane	8.40	62	63714	22.296	ug/l	98
43) Isopropyl Acetate	8.42	43	80471	24.665	ug/l	99
44) Trichloroethene	9.09	130	68201	21.782	ug/l	94
45) 1,2-Dichloropropane	9.37	63	57731	21.625	ug/l	98
46) Dibromomethane	9.46	93	30379	22.847	ug/l	95
47) Bromodichloromethane	9.64	83	71072	21.712	ug/l	98
48) Methyl methacrylate	9.43	41	41278	26.331	ug/l	97
49) 1,4-Dioxane	9.46	88	13187	635.491	ug/l #	92
51) 4-Methyl-2-Pentanone	10.21	43	227091	132.479	ug/l	97
52) Toluene	10.38	92	153814	21.448	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	72244	21.218	ug/l	97
54) cis-1,3-Dichloropropene	10.07	75	85499	20.711	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	46530	23.457	ug/l	97
56) Ethyl methacrylate	10.64	69	63705	23.860	ug/l	98
57) 1,3-Dichloropropane	10.93	76	78916	22.885	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	139615	127.300	ug/l	97
59) 2-Hexanone	10.97	43	156101	131.383	ug/l	100
60) Dibromochloromethane	11.13	129	49802	21.946	ug/l	100
61) 1,2-Dibromoethane	11.23	107	45450	23.712	ug/l	99
64) Tetrachloroethene	10.86	164	66740	24.091	ug/l	95
65) Chlorobenzene	11.66	112	160632	21.532	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	55285	21.758	ug/l	99
67) Ethyl Benzene	11.73	91	292926	21.908	ug/l	97
68) m/p-Xylenes	11.84	106	223120	43.233	ug/l	100
69) o-Xylene	12.16	106	103788	21.751	ug/l	96
70) Styrene	12.18	104	175013	21.456	ug/l	99
71) Bromoform	12.35	173	33334	24.197	ug/l #	98
73) Isopropylbenzene	12.46	105	291624	21.536	ug/l	100
74) N-amyl acetate	12.27	43	69611	24.155	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	57165	24.942	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	36941m	22.452	ug/l	
77) Bromobenzene	12.74	156	67139	20.649	ug/l	96
78) n-propylbenzene	12.80	91	338961	21.761	ug/l	100
79) 2-Chlorotoluene	12.89	91	183460	21.206	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	238574	21.209	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	15915	23.042	ug/l	96
82) 4-Chlorotoluene	12.99	91	193435	21.344	ug/l	99
83) tert-Butylbenzene	13.20	119	216813	22.067	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	239614	21.428	ug/l	98
85) sec-Butylbenzene	13.38	105	299582	22.115	ug/l	100
86) p-Isopropyltoluene	13.49	119	272560	21.711	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	127412	20.828	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	126380	20.634	ug/l	98
89) n-Butylbenzene	13.82	91	238075	21.035	ug/l	100
90) Hexachloroethane	14.09	117	44164	21.293	ug/l	96
91) 1,2-Dichlorobenzene	13.87	146	115064	21.278	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	9559	27.884	ug/l	95

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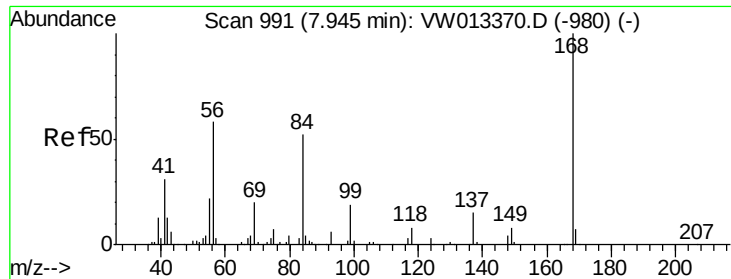
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	78187	20.147	ug/l	98
94) Hexachlorobutadiene	15.24	225	54451	21.599	ug/l	97
95) Naphthalene	15.36	128	157613	24.076	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	71176	21.006	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion:168 Resp: 302086

Ion Ratio Lower Upper

168 100

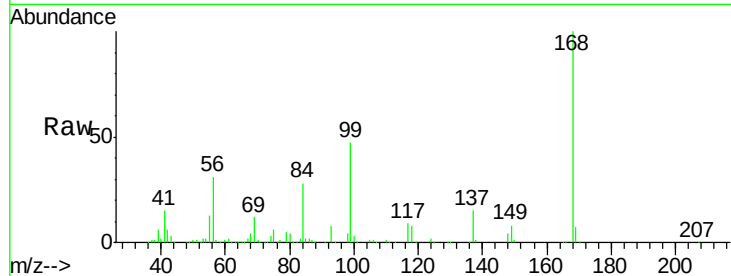
99 47.4 40.2 60.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

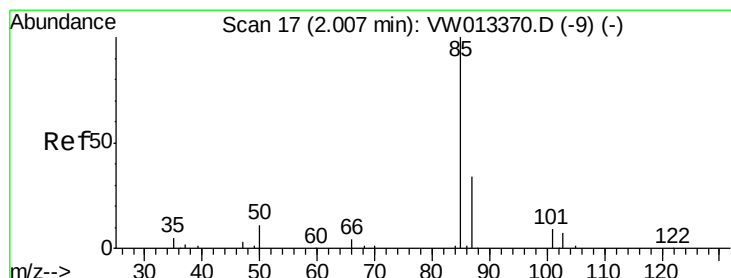
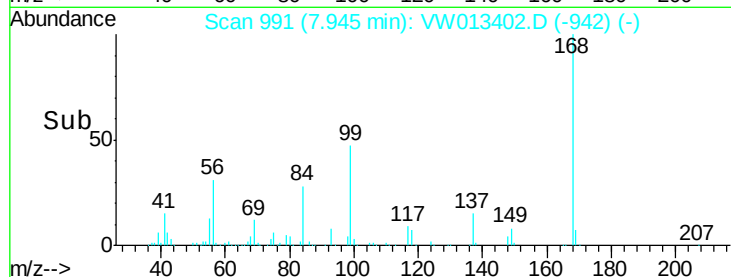
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50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 22.811 ug/l

RT: 2.01 min Scan# 17

Delta R.T. 0.00 min

Lab File: VW013402.D

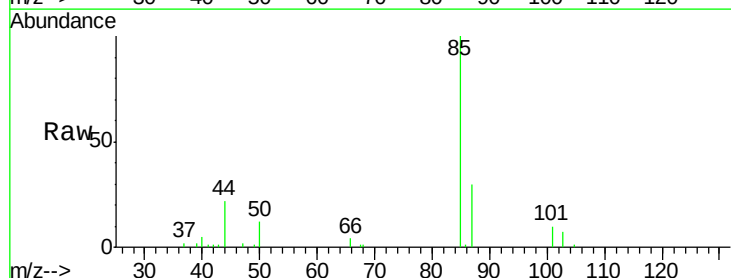
Acq: 03 Oct 2019 03:44

Tgt Ion: 85 Resp: 26653

Ion Ratio Lower Upper

85 100

87 30.3 15.1 45.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

10000

8000

6000

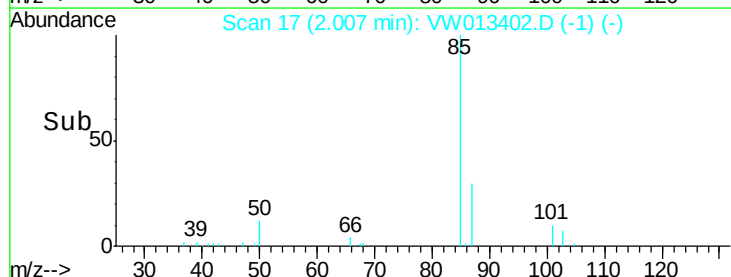
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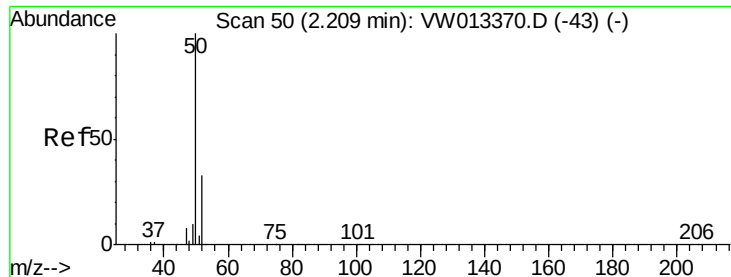
2000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 21.856 ug/l

RT: 2.20 min Scan# 49

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion: 50 Resp: 42140

Ion Ratio Lower Upper

50 100

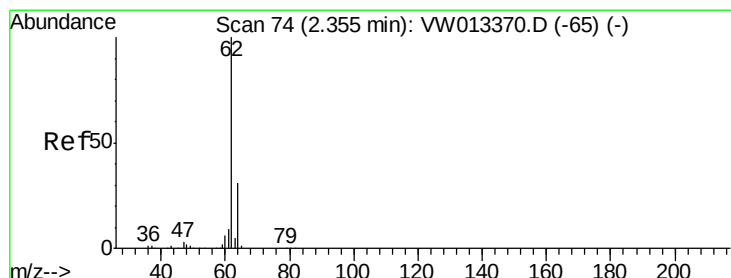
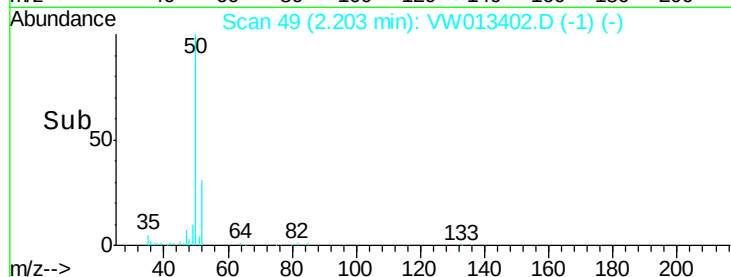
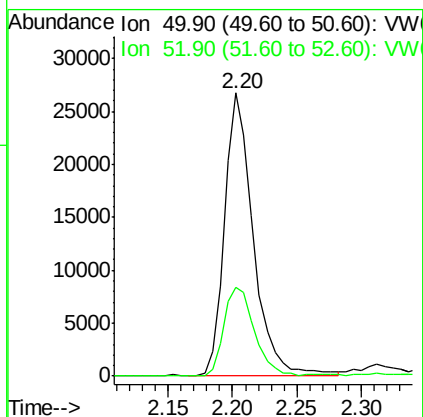
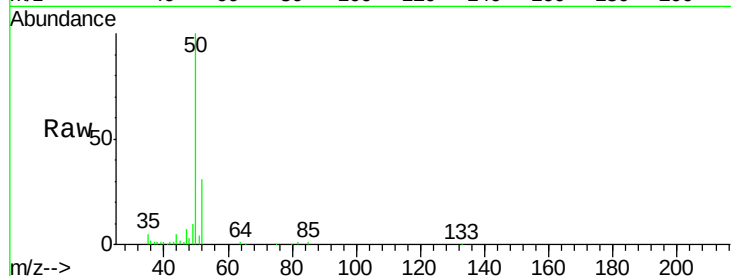
52 31.3 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.522 ug/l

RT: 2.35 min Scan# 74

Delta R.T. 0.00 min

Lab File: VW013402.D

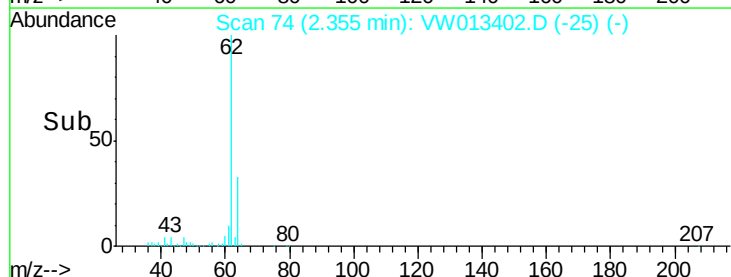
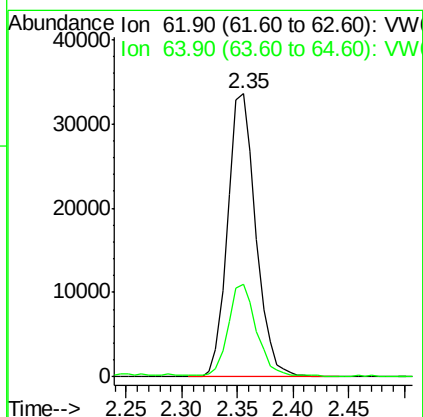
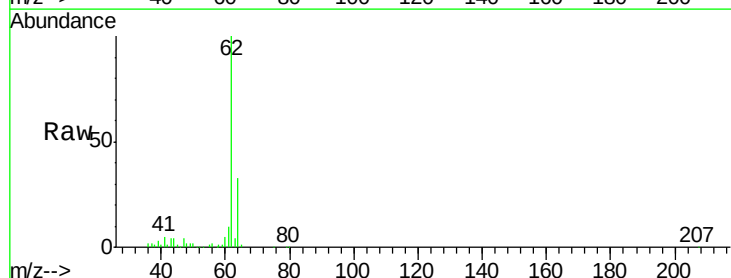
Acq: 03 Oct 2019 03:44

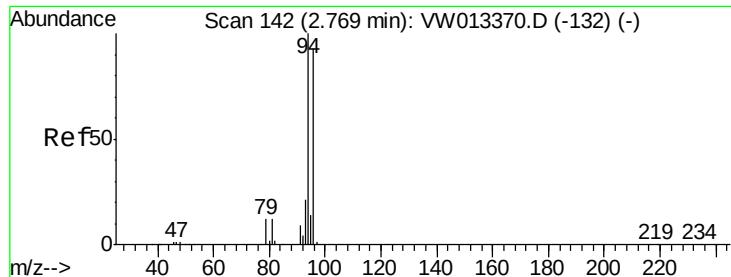
Tgt Ion: 62 Resp: 58893

Ion Ratio Lower Upper

62 100

64 32.5 25.3 37.9





#5

Bromomethane

Concen: 20.207 ug/l

RT: 2.76 min Scan# 140

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion: 94 Resp: 33971

Ion Ratio Lower Upper

94 100

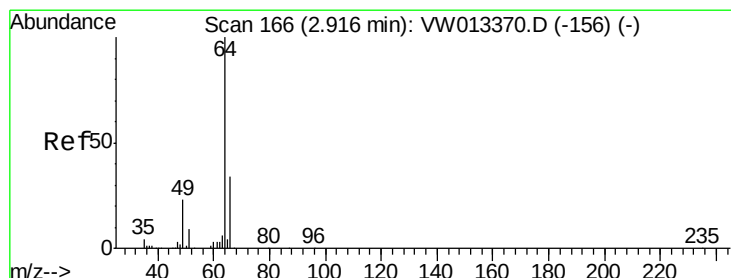
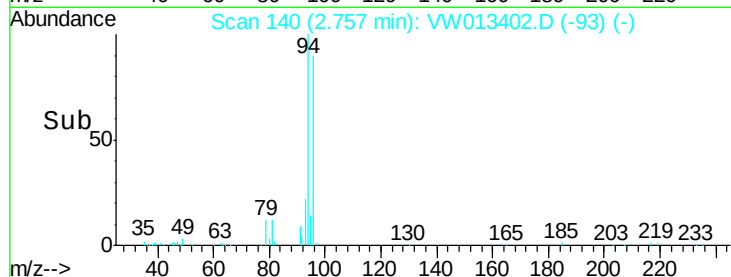
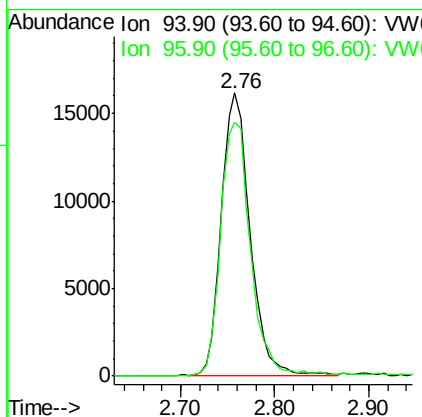
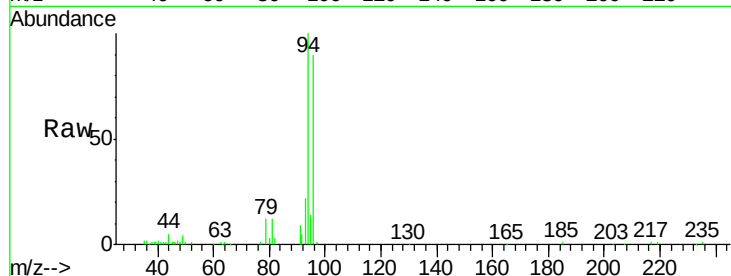
96 90.1 69.7 104.5

Manual Integrations

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#6

Chloroethane

Concen: 19.924 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.01 min

Lab File: VW013402.D

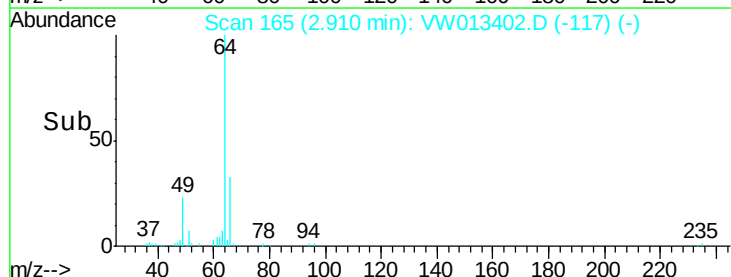
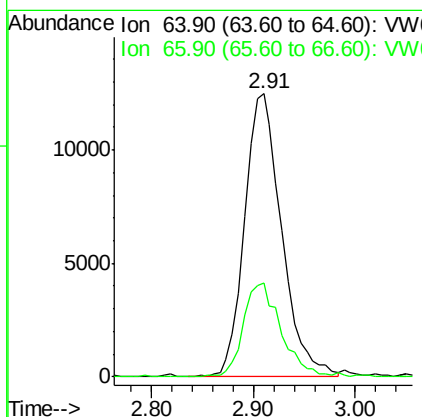
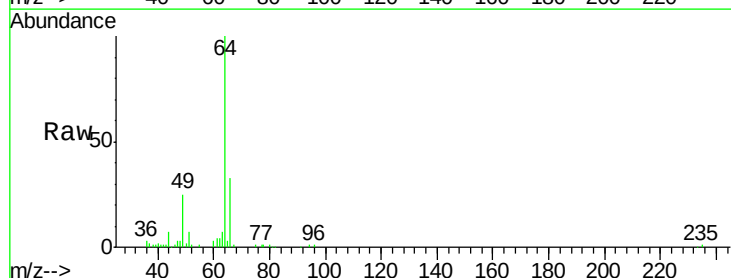
Acq: 03 Oct 2019 03:44

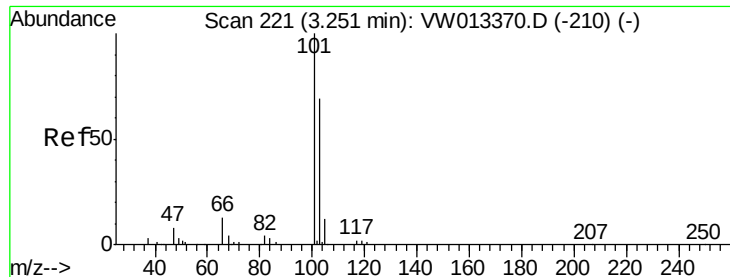
Tgt Ion: 64 Resp: 31482

Ion Ratio Lower Upper

64 100

66 33.0 26.6 39.8





#7

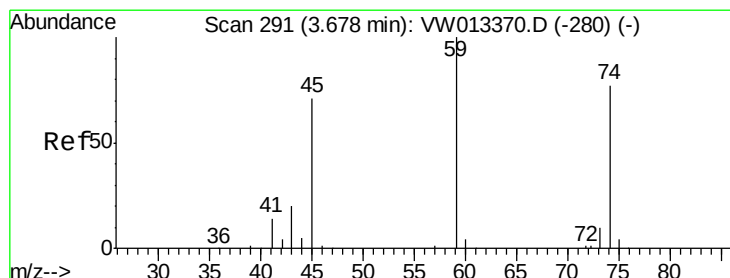
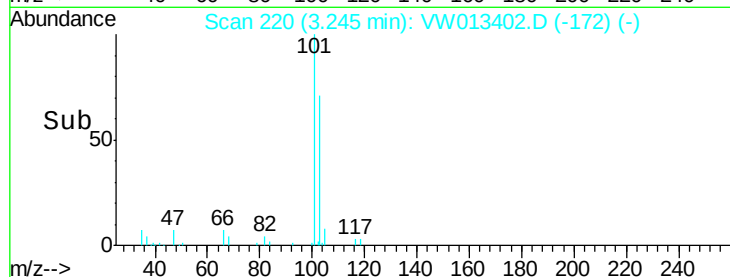
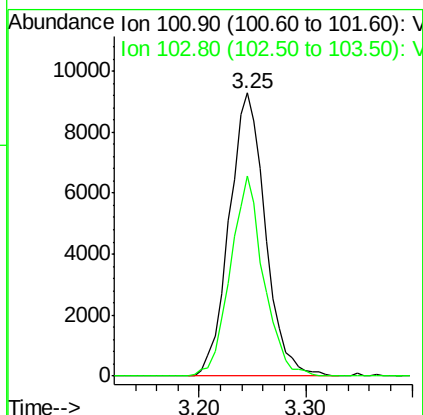
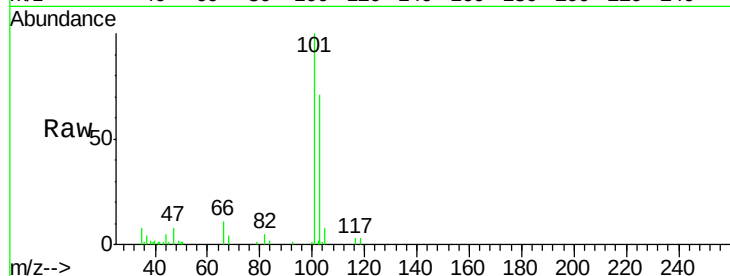
Trichlorofluoromethane
 Concen: 18.562 ug/l
 RT: 3.25 min Scan# 220
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

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 VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.7	49.7	74.5

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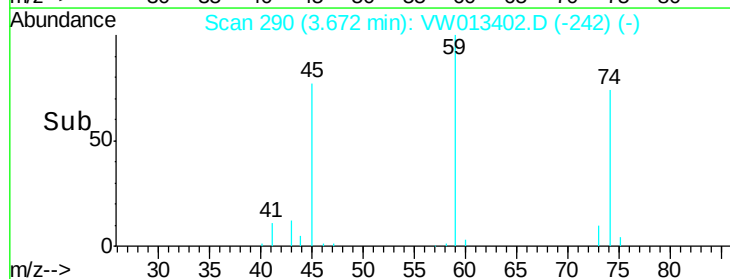
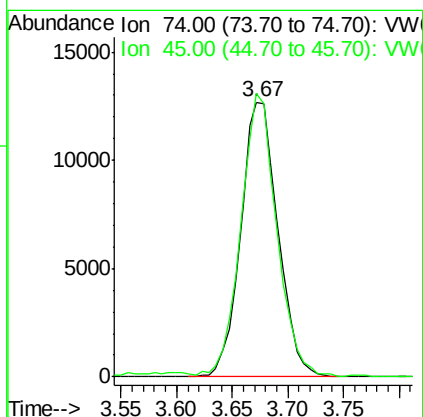
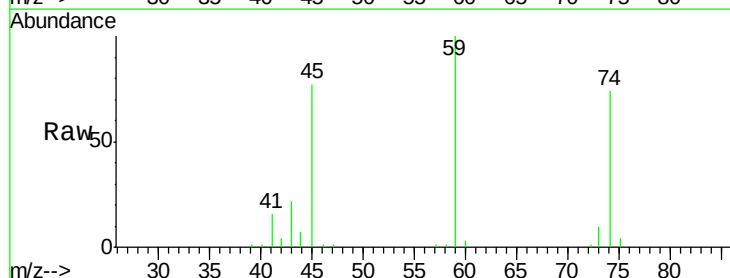
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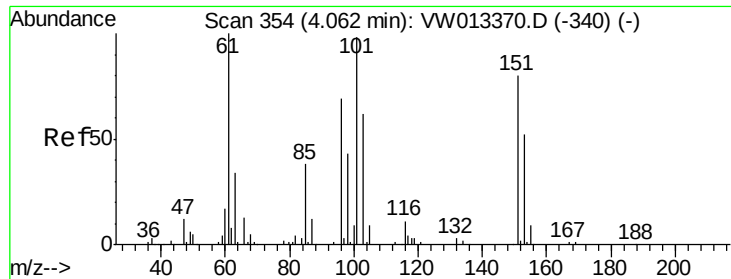


#8

Diethyl Ether
 Concen: 21.392 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.1	49.5	148.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.991 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

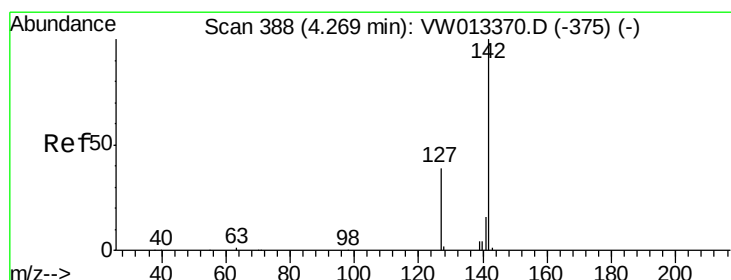
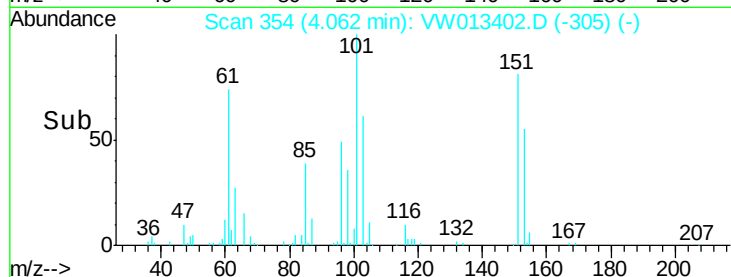
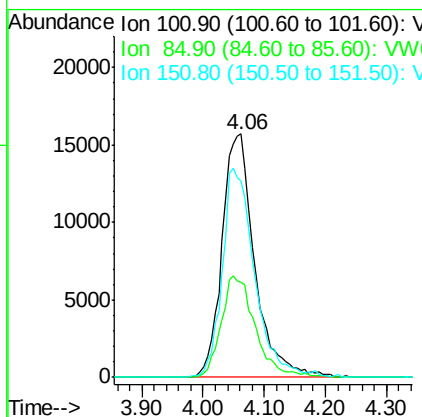
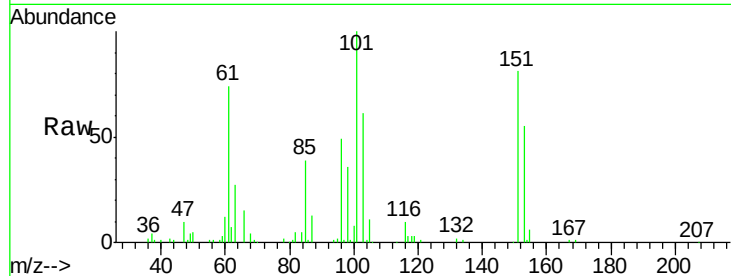
ClientSampleId :

VW1002SBSD02

Tot Ion:	101	Resp:	57880
Ion Ratio	Lower	Upper	
101	100		
85	43.1	33.4	50.0
151	84.3	66.9	100.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.670 ug/l

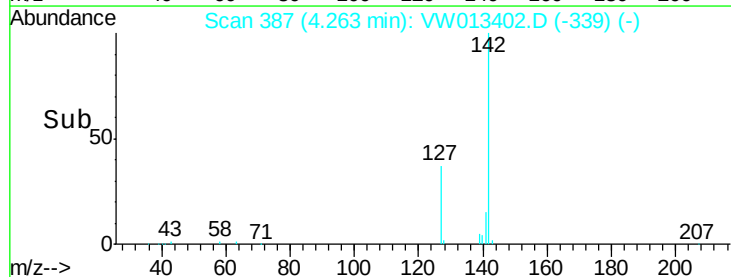
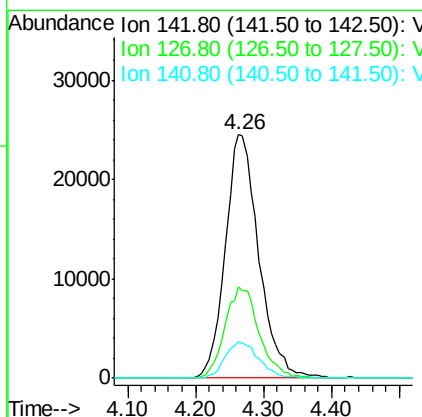
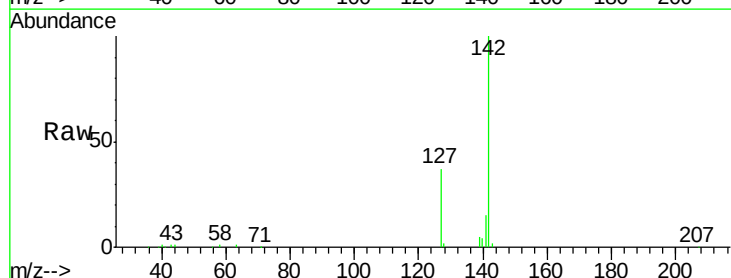
RT: 4.26 min Scan# 387

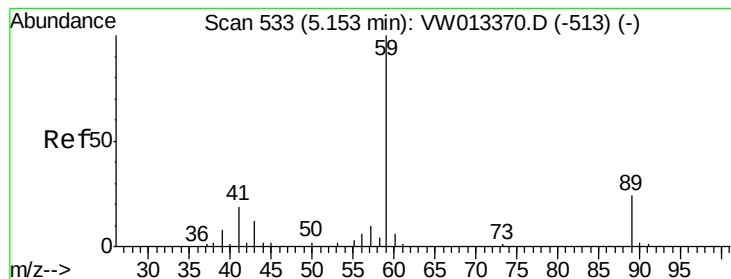
Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	142	Resp:	83606
Ion Ratio	Lower	Upper	
142	100		
127	38.3	30.9	46.3
141	15.0	11.7	17.5





#11

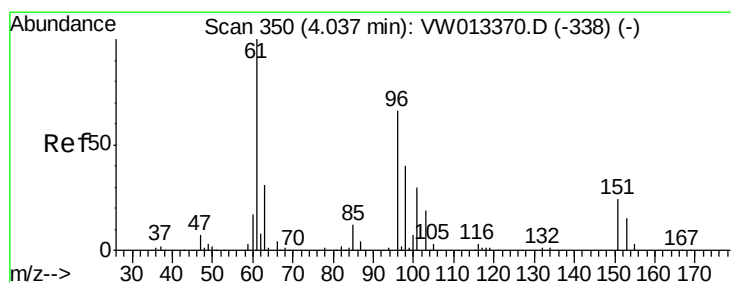
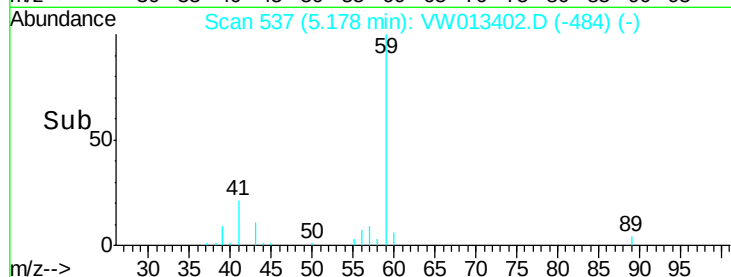
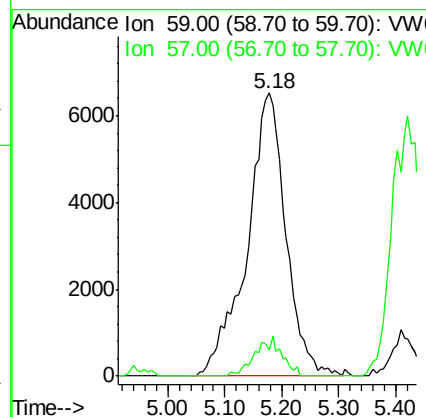
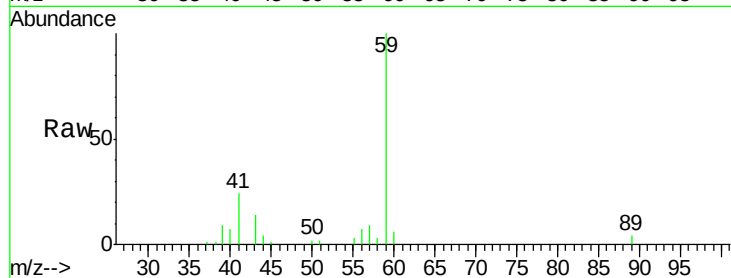
Tert butyl alcohol
 Concen: 159.063 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.02 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.3	8.2	12.2#

Manual Integrations
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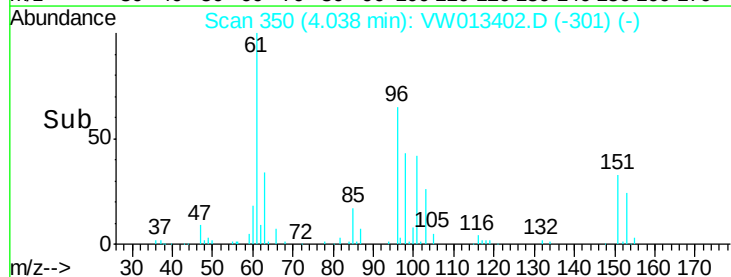
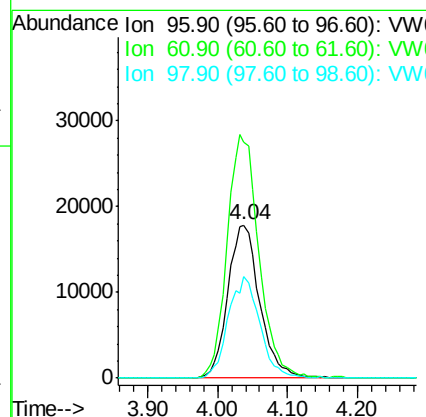
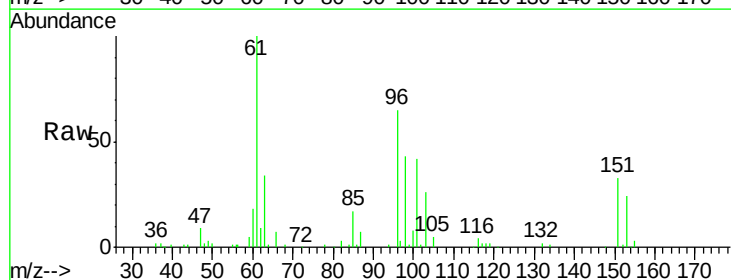
MMDadoda
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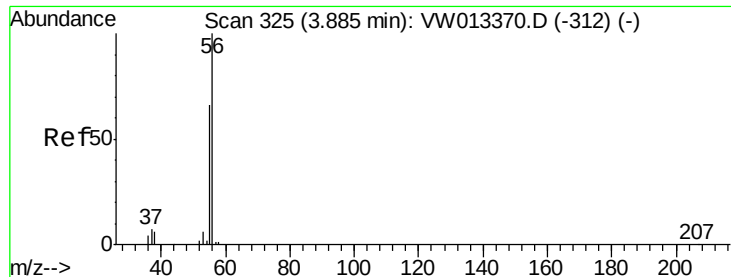


#12

1,1-Dichloroethene
 Concen: 20.338 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.3	125.1	187.7
98	66.4	50.8	76.2





#13

Acrolein

Concen: 106.768 ug/l

RT: 3.89 min Scan# 325

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion: 56 Resp: 22906

Ion Ratio Lower Upper

56 100

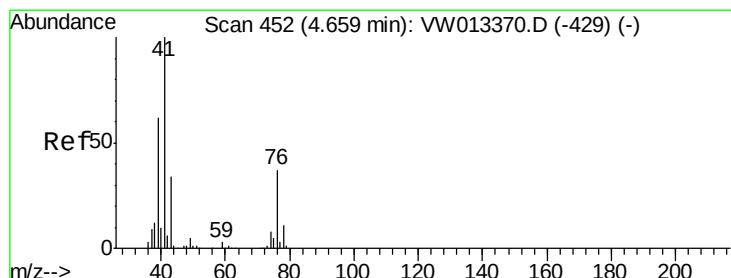
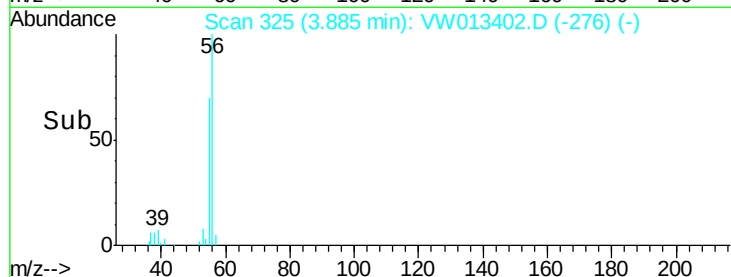
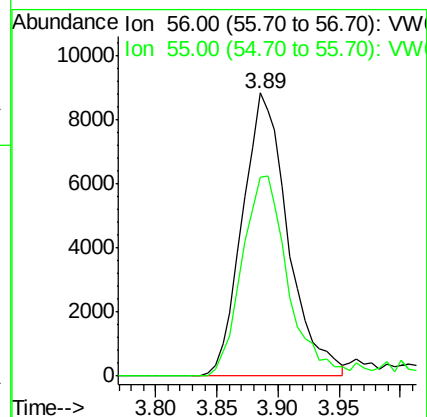
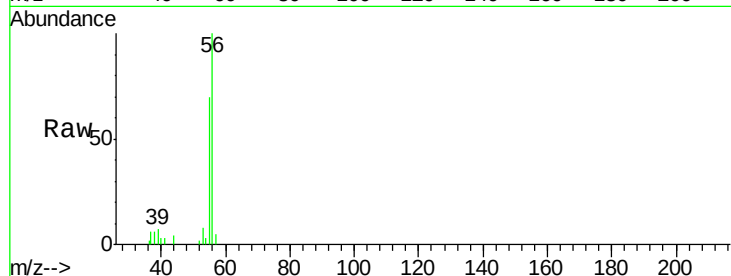
55 70.9 55.4 83.0

Manual Integrations

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#14

Allyl chloride

Concen: 19.716 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

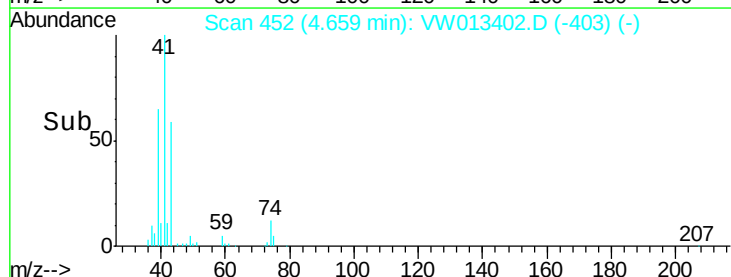
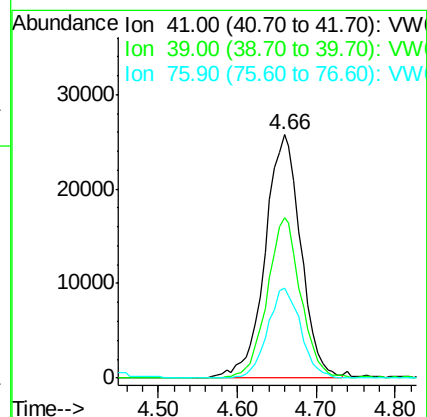
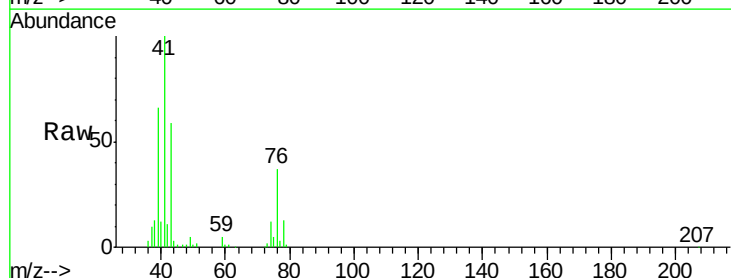
Tgt Ion: 41 Resp: 81106

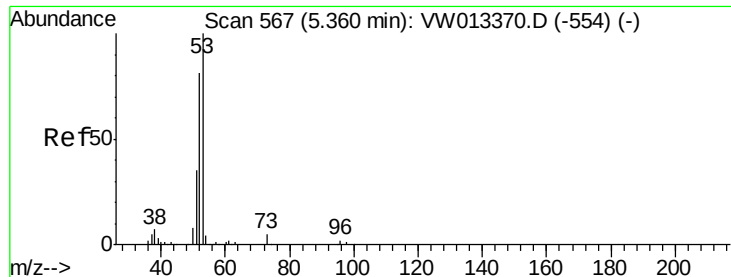
Ion Ratio Lower Upper

41 100

39 61.7 51.0 76.4

76 34.1 28.4 42.6





#15

Acrylonitrile

Concen: 131.179 ug/l

RT: 5.36 min Scan# 567

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

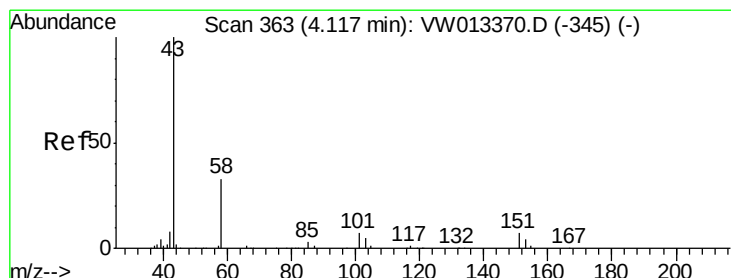
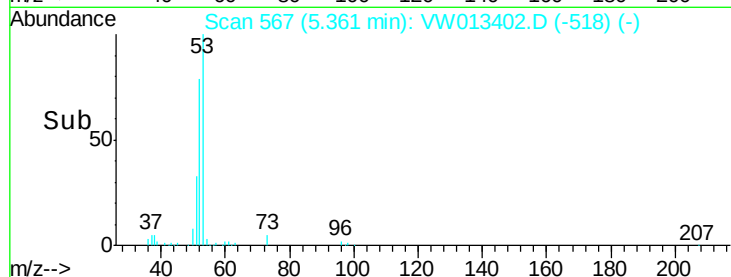
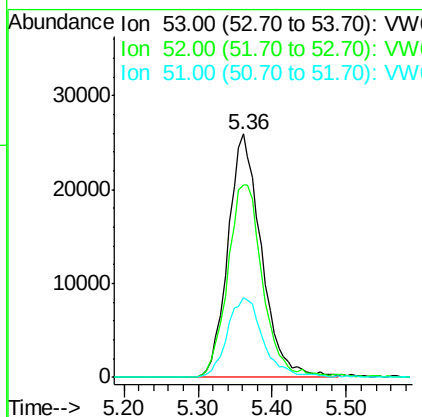
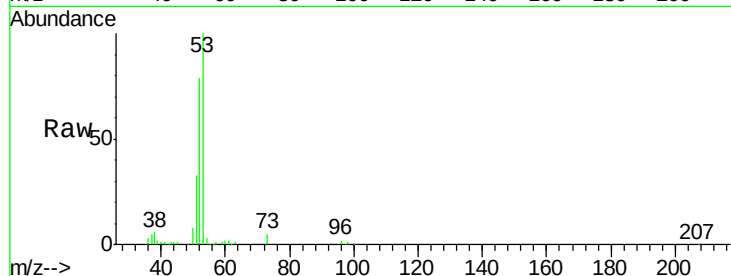
ClientSampleId :

VW1002SBS02

Tot Ion:	53	Resp:	81483
Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.3	97.9
51	34.4	29.0	43.4

Manual Integrations
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#16

Acetone

Concen: 90.997 ug/l

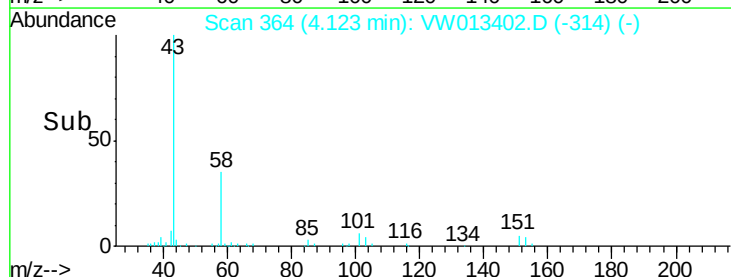
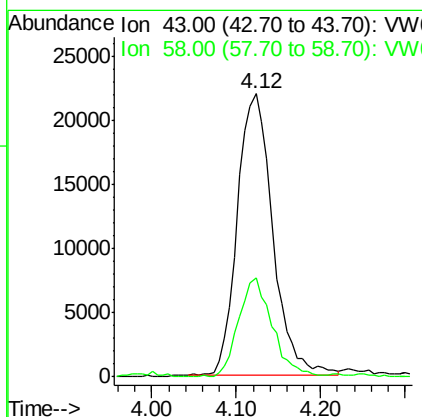
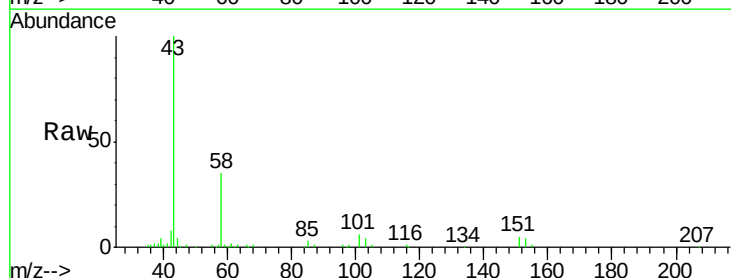
RT: 4.12 min Scan# 364

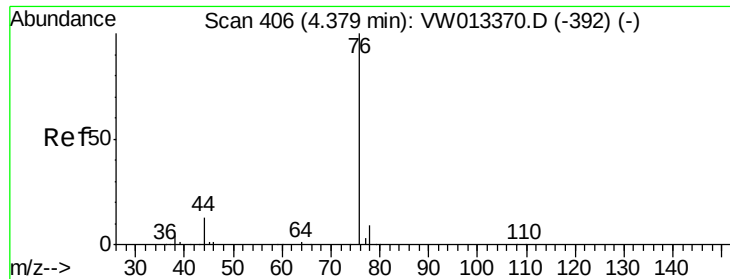
Delta R.T. 0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	43	Resp:	62914
Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.1	36.1





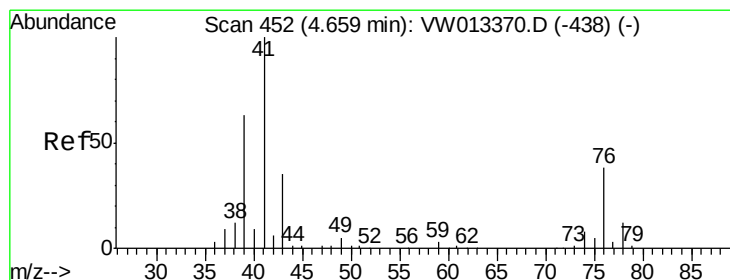
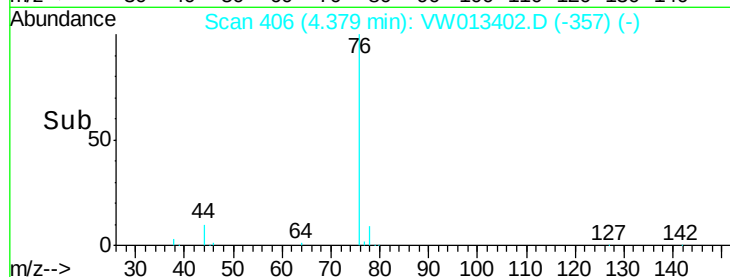
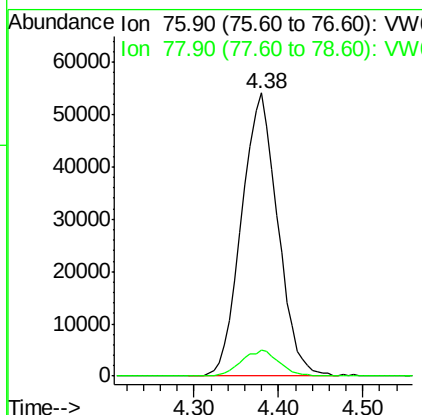
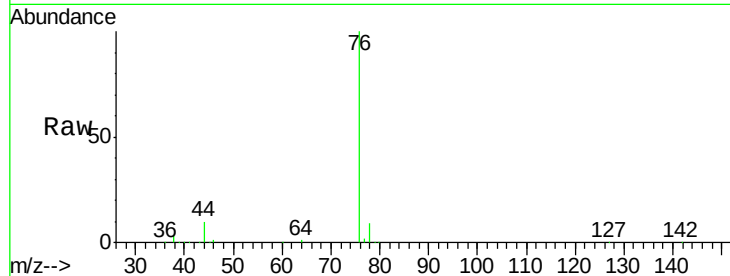
#17
Carbon Disulfide
Concen: 20.310 ug/l
RT: 4.38 min Scan# 406
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.0	10.4

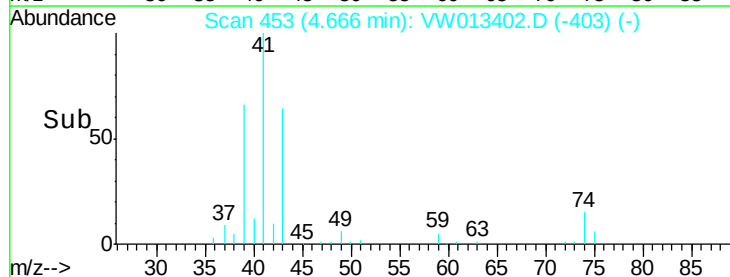
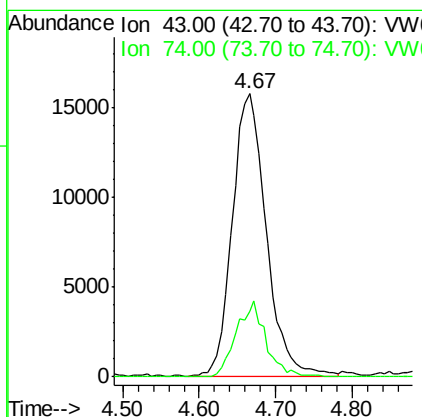
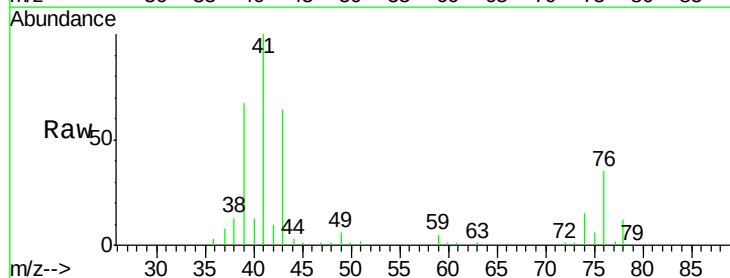
Manual Integrations
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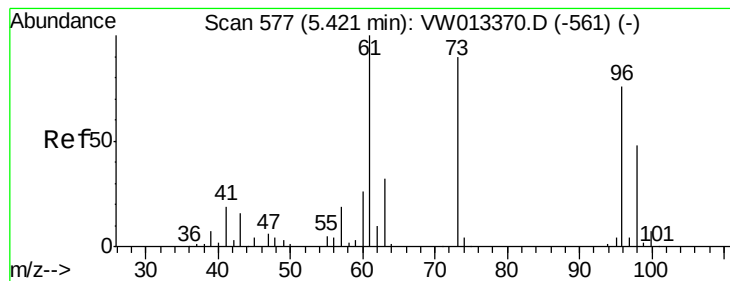
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#18
Methyl Acetate
Concen: 30.163 ug/l
RT: 4.67 min Scan# 453
Delta R.T. 0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.3	28.9





#19

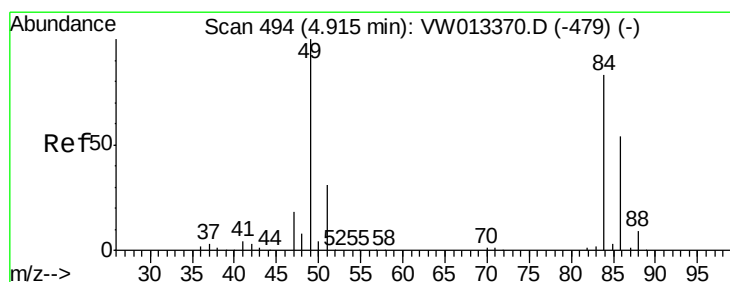
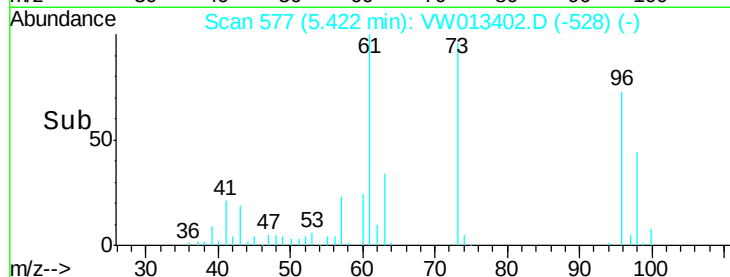
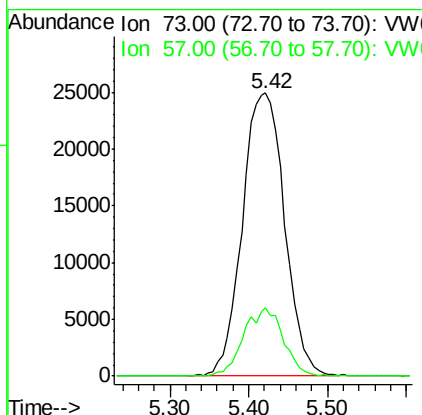
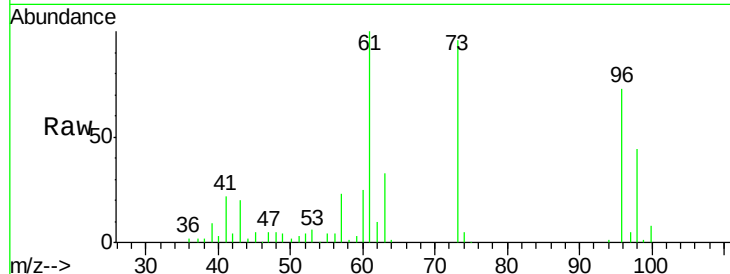
Methyl tert-butyl Ether
 Concen: 22.597 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tot Ion: 73 Resp: 92487
 Ion Ratio Lower Upper
 73 100
 57 24.1 17.6 26.4

Manual Integrations
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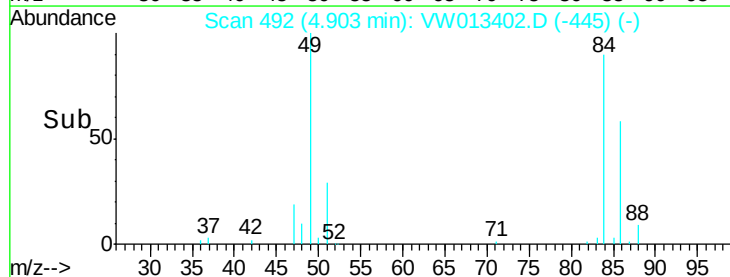
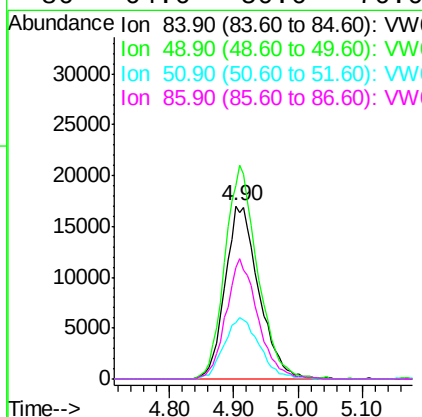
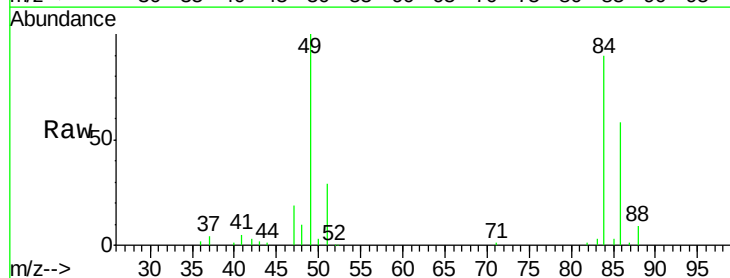
MMDadoda
 10/4/2019 12:11:08 PM

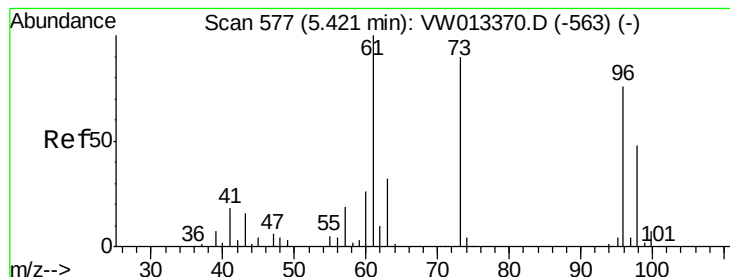


#20

Methylene Chloride
 Concen: 20.612 ug/l
 RT: 4.90 min Scan# 492
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 84 Resp: 62529
 Ion Ratio Lower Upper
 84 100
 49 111.4 97.6 146.4
 51 32.3 30.2 45.2
 86 64.6 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 20.796 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion: 96 Resp: 61585

Ion Ratio Lower Upper

96 100

61 133.3 106.6 159.8

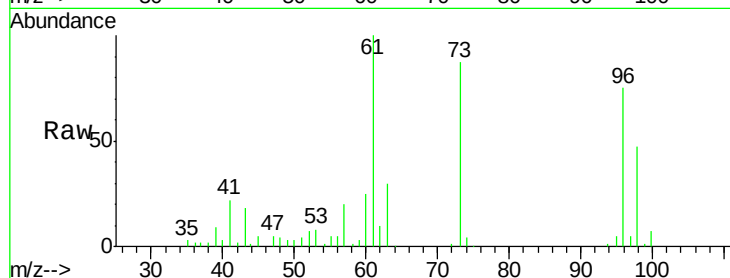
98 62.7 49.8 74.8

Manual Integrations

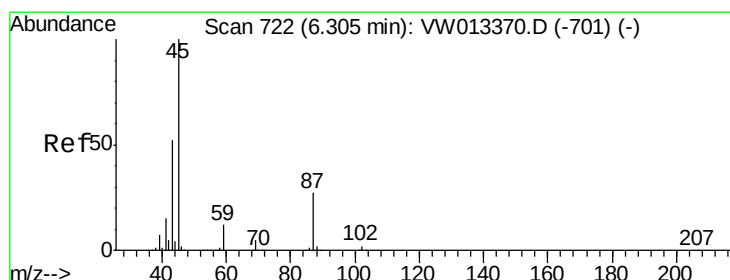
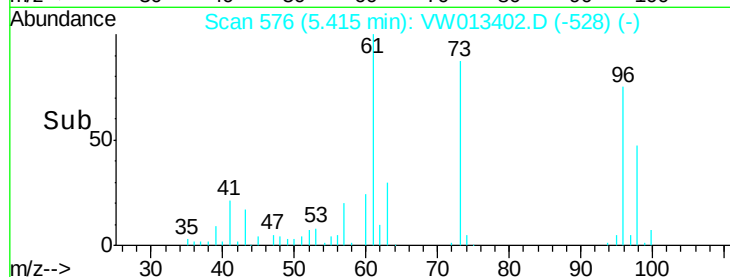
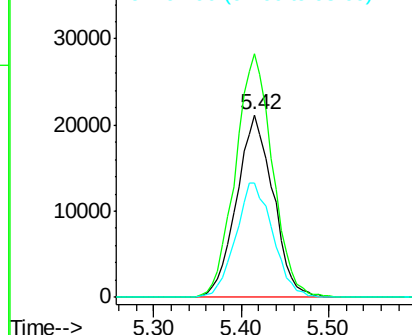
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Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 21.089 ug/l

RT: 6.31 min Scan# 722

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion: 45 Resp: 167537

Ion Ratio Lower Upper

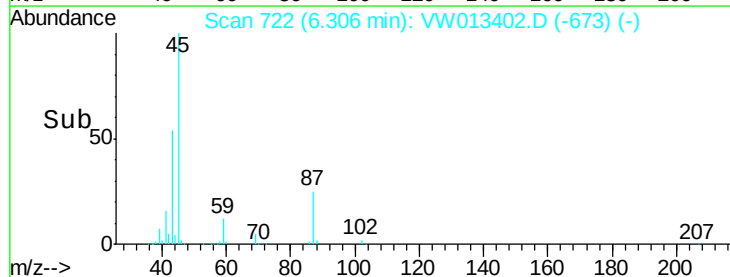
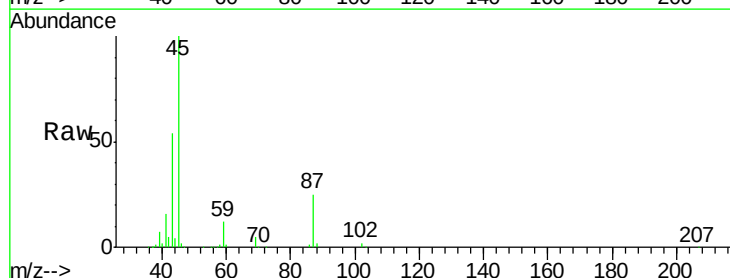
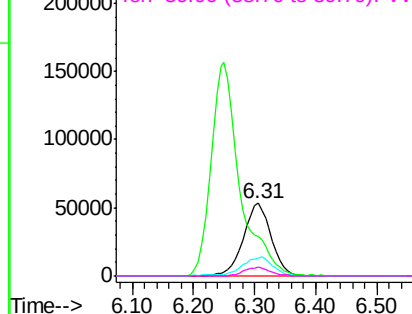
45 100

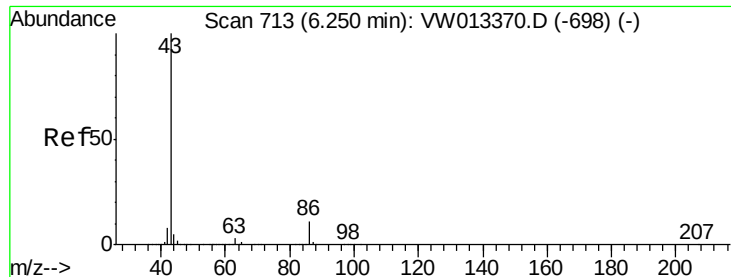
43 53.9 42.4 63.6

87 25.5 20.4 30.6

59 12.0 8.8 13.2

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 108.416 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tot Ion: 43 Resp: 516821

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5

Instrument :

MSVOA_W

ClientSampleId :

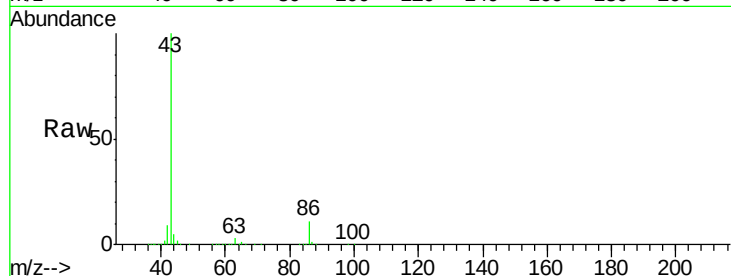
VW1002SBS02

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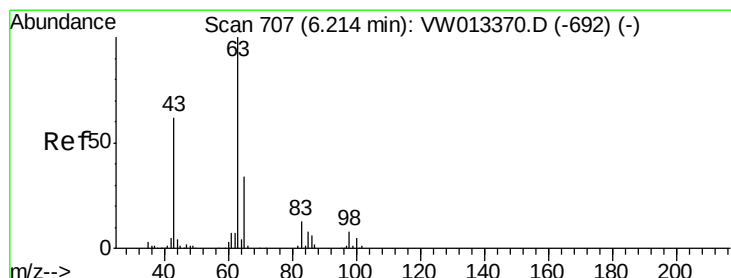
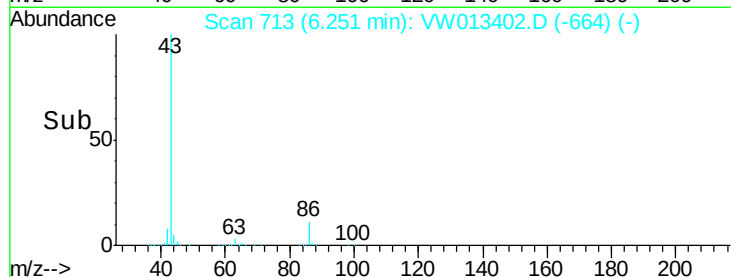
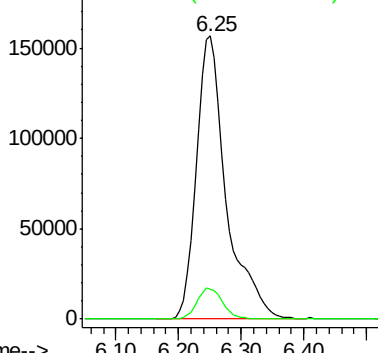
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.747 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

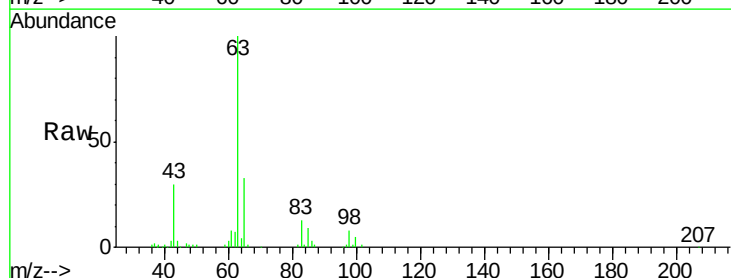
Tgt Ion: 63 Resp: 100393

Ion Ratio Lower Upper

63 100

98 8.3 3.5 10.5

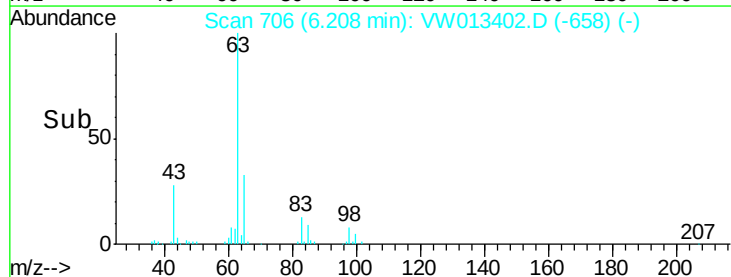
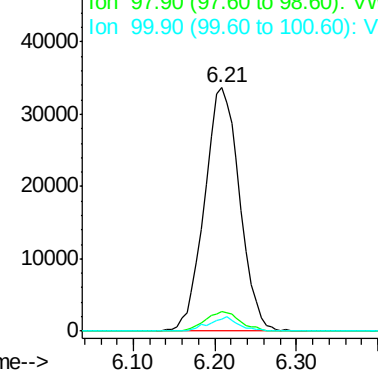
100 5.0 2.4 7.1

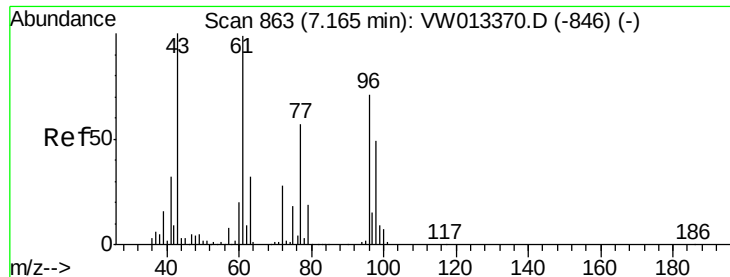


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 119.685 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion: 43 Resp: 105882

Ion Ratio Lower Upper

43 100

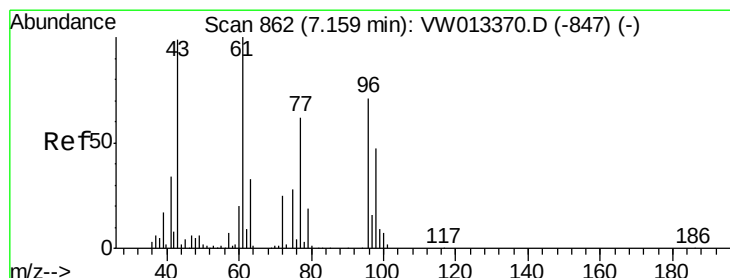
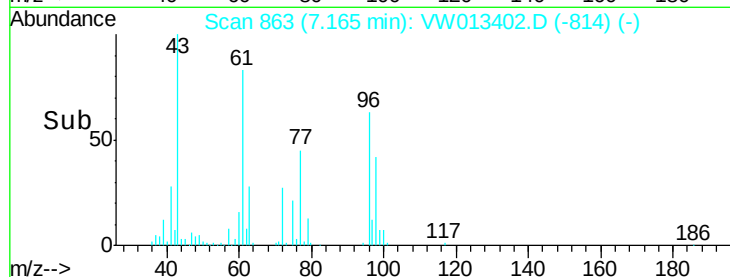
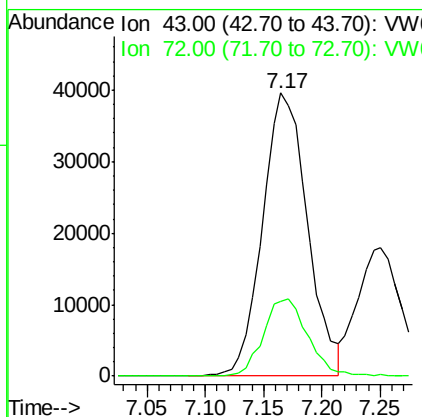
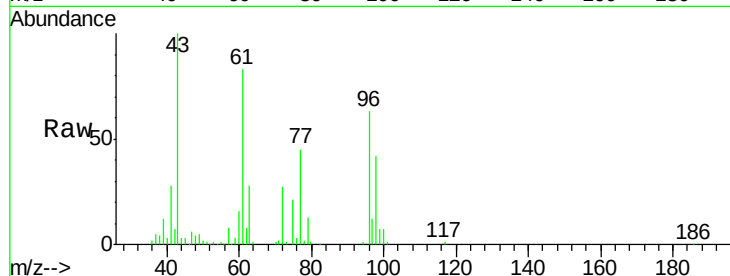
72 26.6 19.4 29.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.128 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.01 min

Lab File: VW013402.D

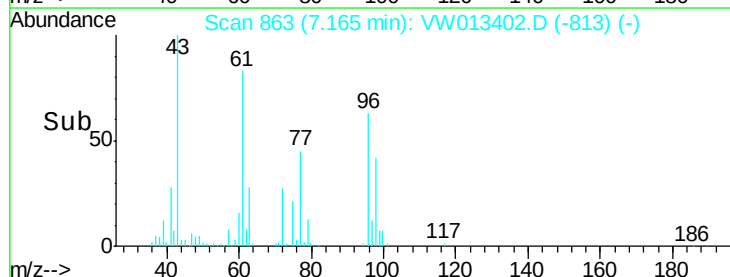
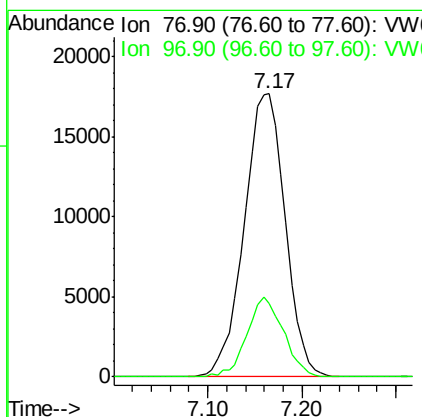
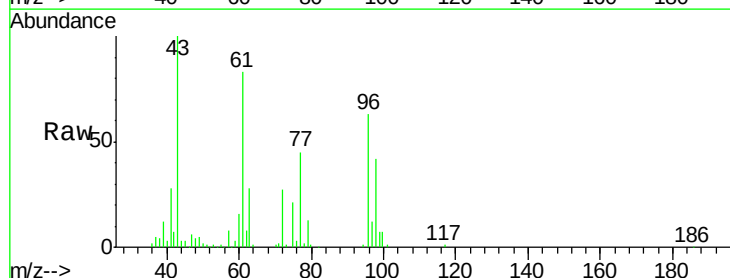
Acq: 03 Oct 2019 03:44

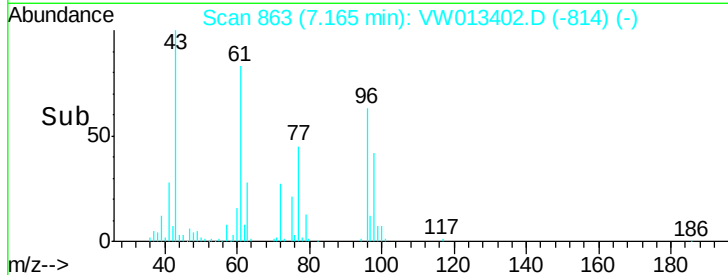
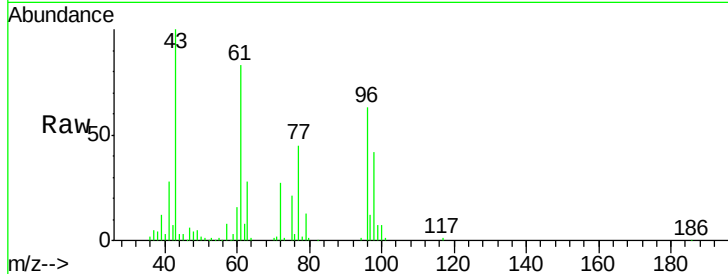
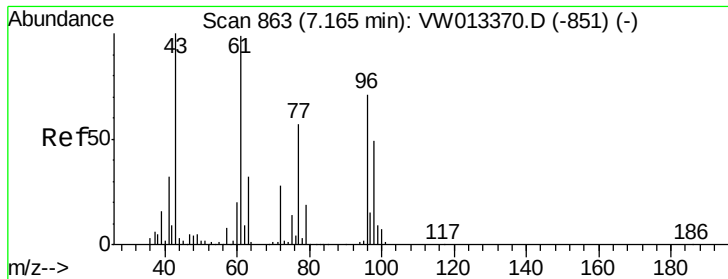
Tgt Ion: 77 Resp: 53714

Ion Ratio Lower Upper

77 100

97 25.3 11.8 35.4





#27

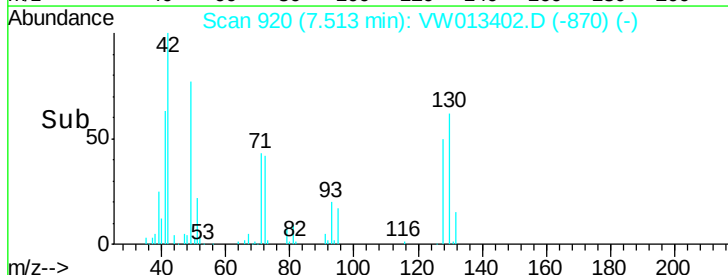
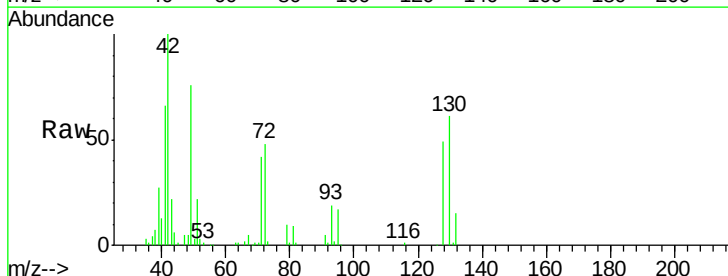
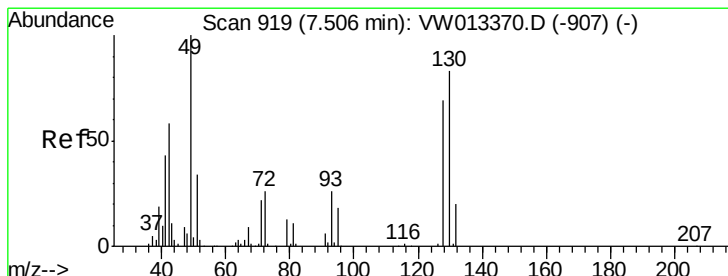
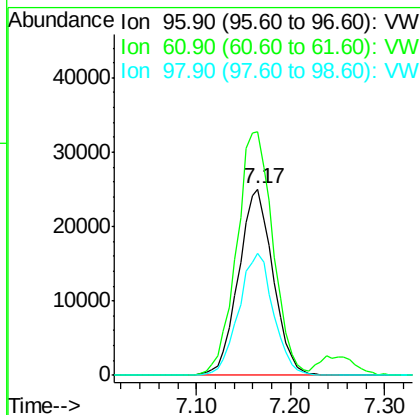
cis-1,2-Dichloroethene
Concen: 20.675 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64090		
61	137.9	0.0	282.4	
98	66.0	0.0	128.2	

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

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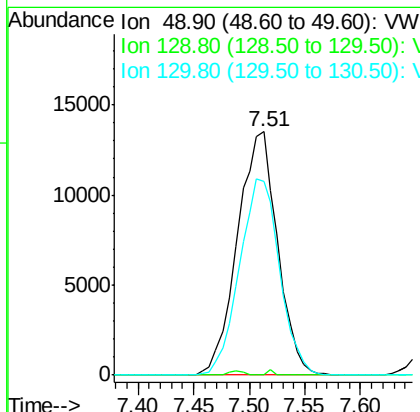
MMDadoda
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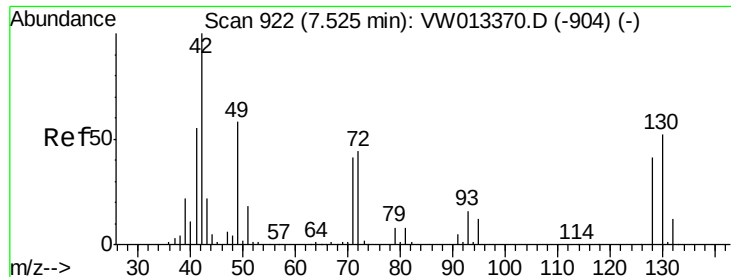


#28

Bromochloromethane
Concen: 19.275 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33723		
129	0.3	0.0	1.0	
130	80.9	63.4	95.2	





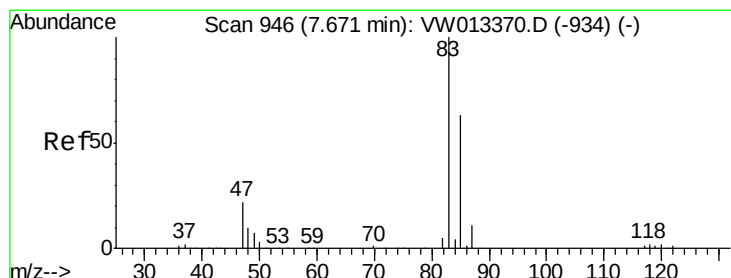
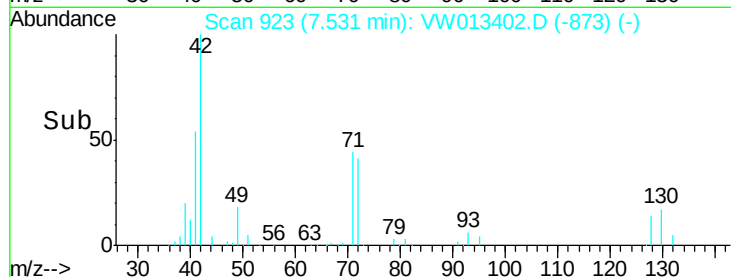
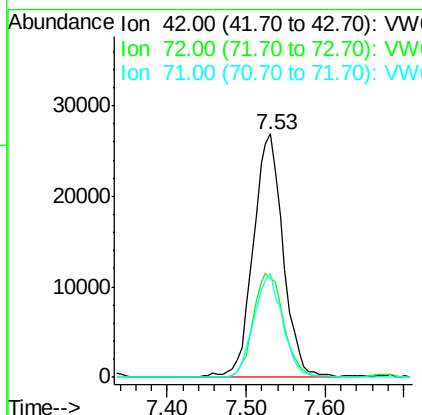
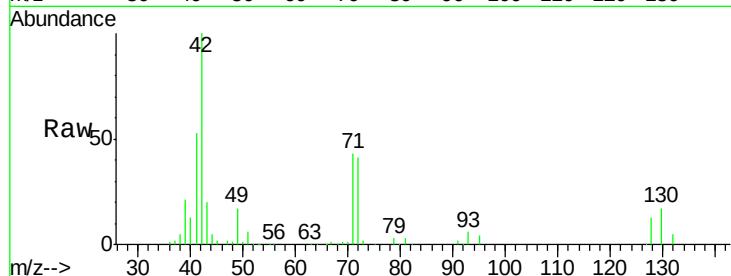
#29
Tetrahydrofuran
Concen: 141.639 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.9	50.9
71	41.1	31.9	47.9

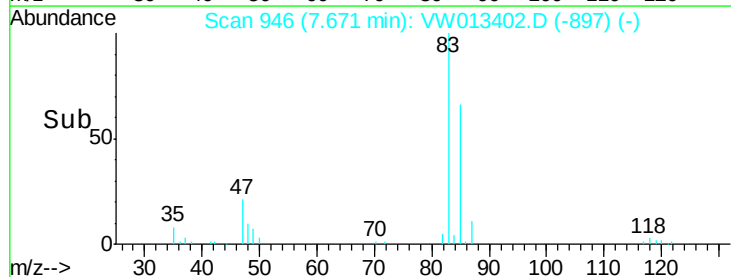
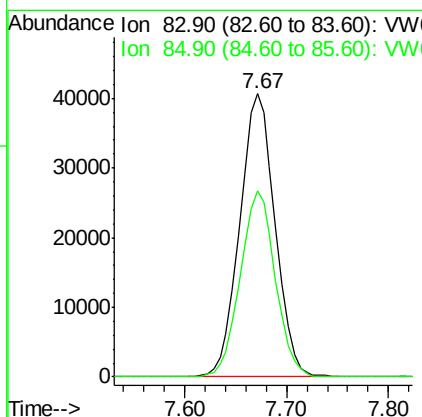
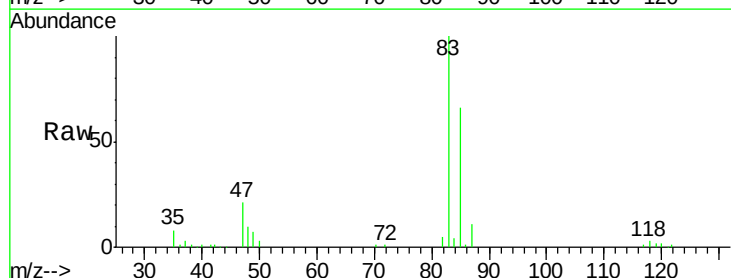
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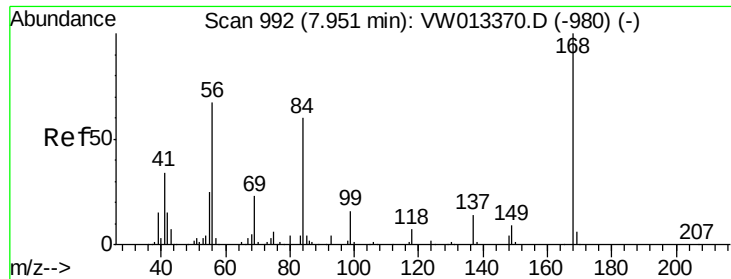
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#30
Chloroform
Concen: 20.553 ug/l
RT: 7.67 min Scan# 946
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





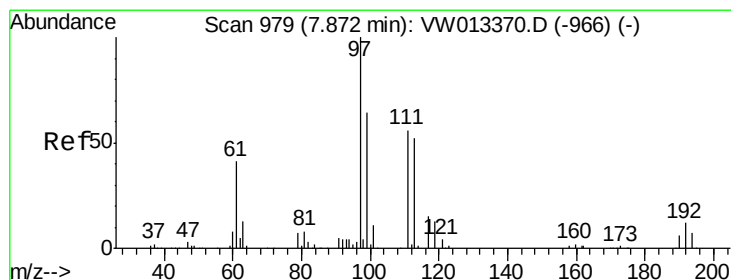
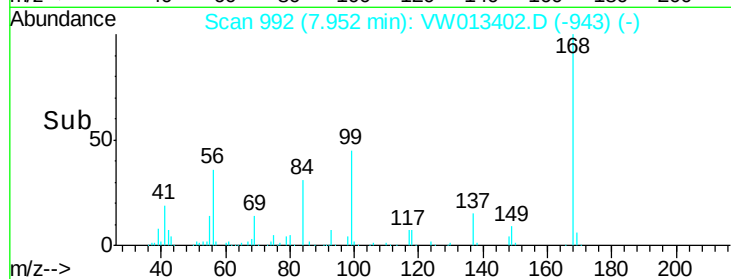
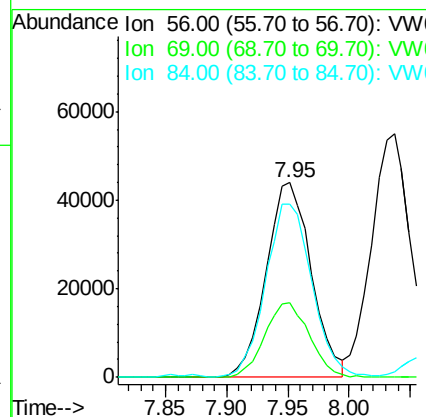
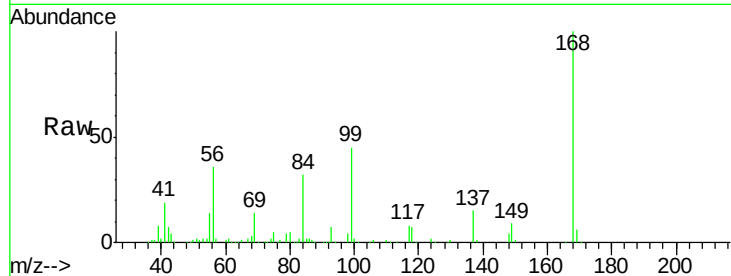
#31
Cyclohexane
Concen: 21.879 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	27.2	40.8
84	87.2	70.8	106.2

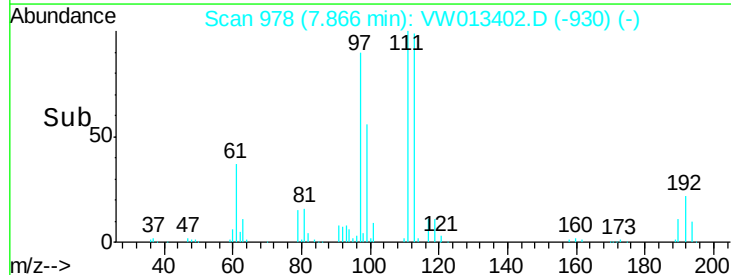
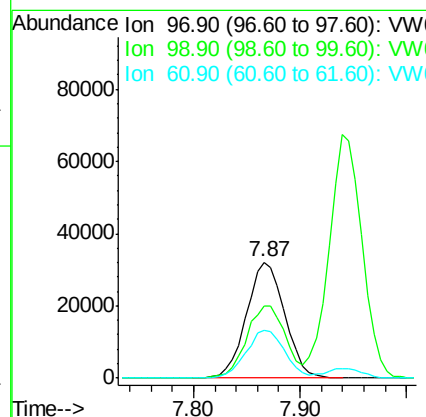
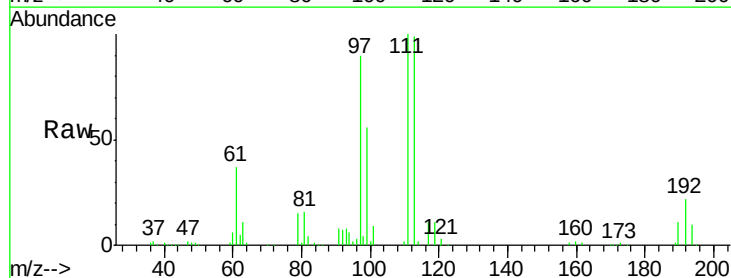
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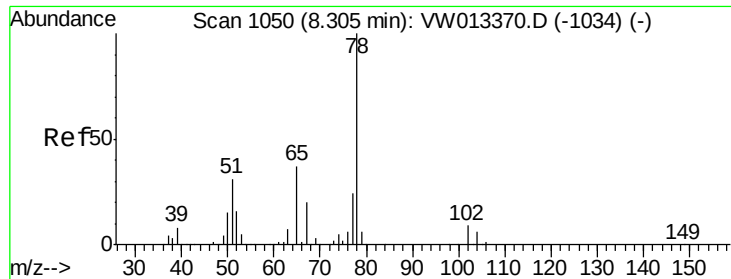
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#32
1,1,1-Trichloroethane
Concen: 21.721 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	42.4	34.6	51.8





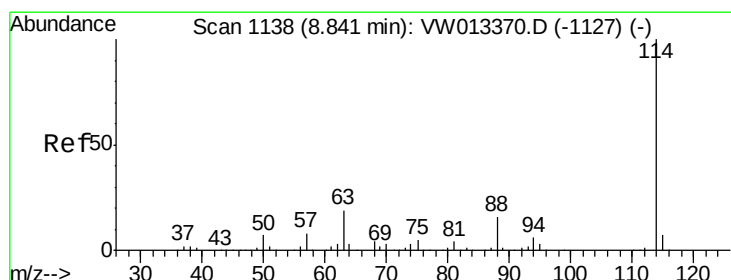
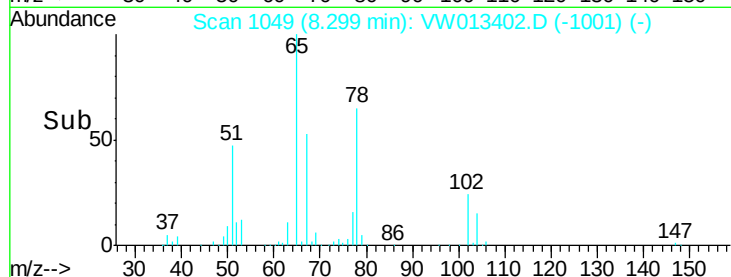
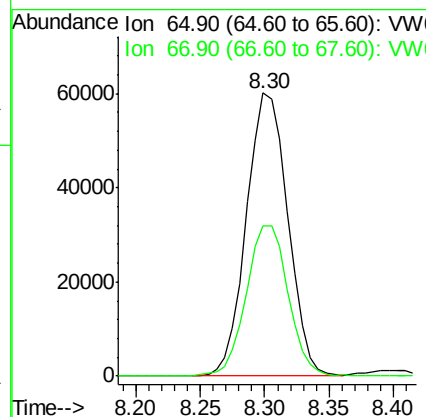
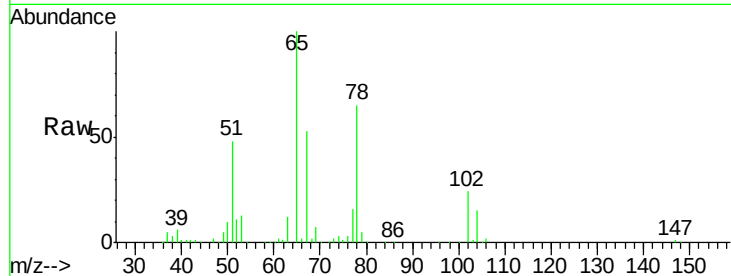
#33
 1,2-Dichloroethane-d4
 Concen: 59.433 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tot Ion: 65 Resp: 134056
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.2

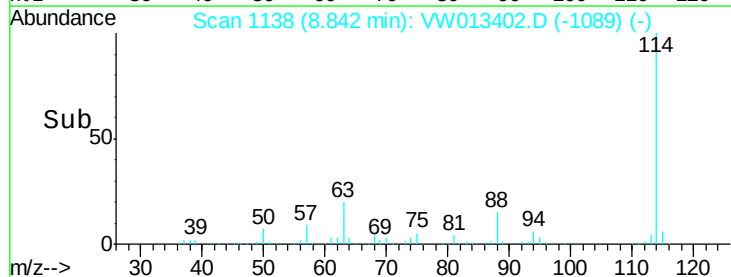
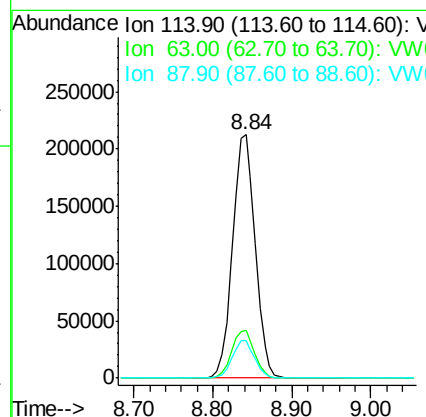
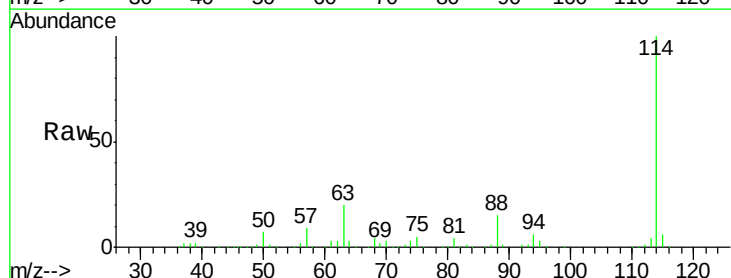
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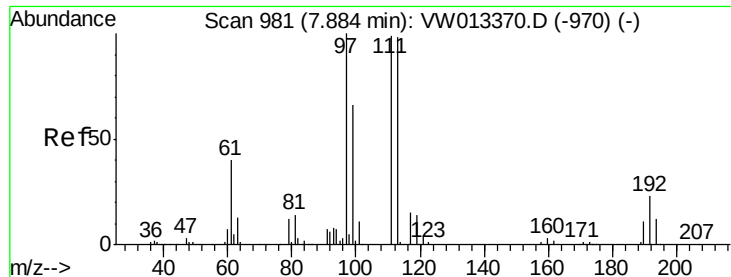
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 10/4/2019 12:11:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 114 Resp: 422885
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 41.4
 88 15.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 57.496 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

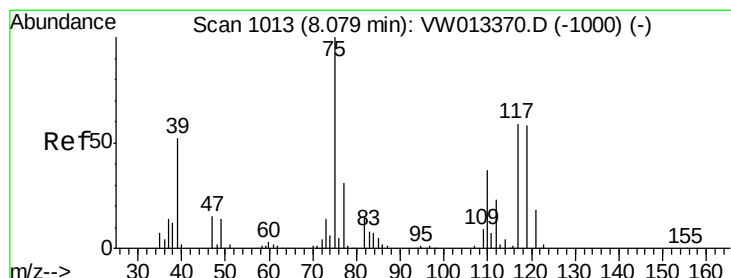
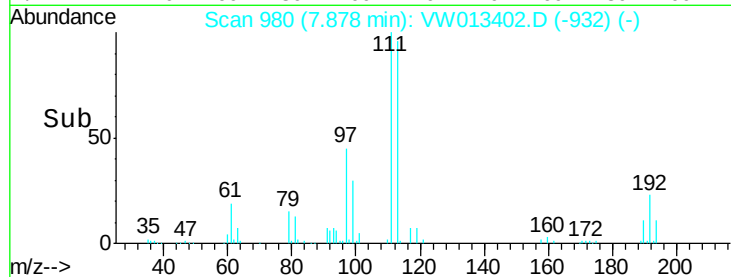
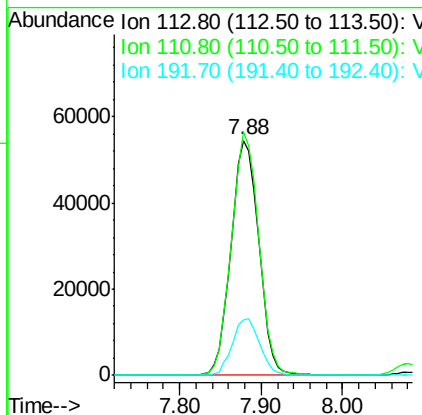
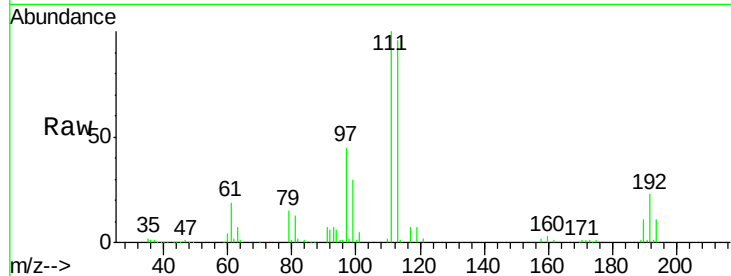
ClientSampleId :

VW1002SBSD02

Tot Ion:	113	Resp:	127582
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.9	122.9
192	23.8	19.1	28.7

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#36

1,1-Dichloropropene

Concen: 22.206 ug/l

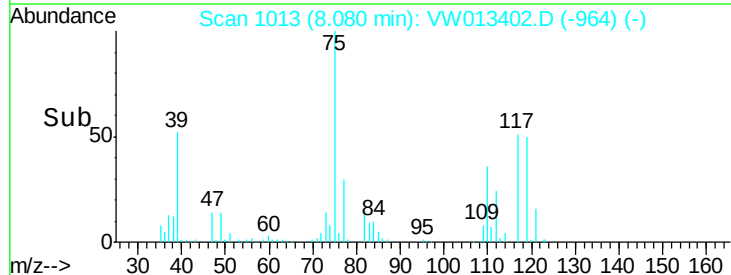
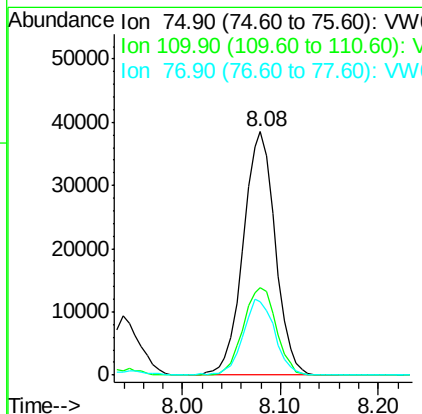
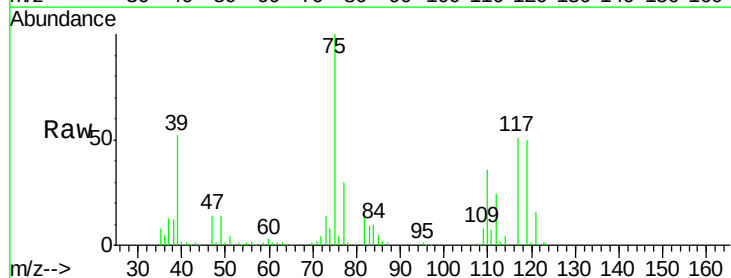
RT: 8.08 min Scan# 1013

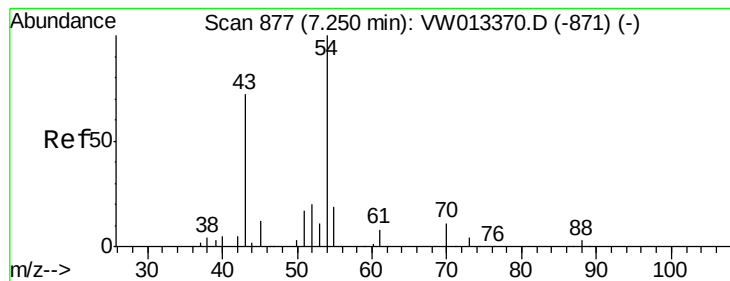
Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	75	Resp:	87222
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.3
77	30.8	25.8	38.6





#37

Ethyl Acetate

Concen: 27.679 ug/l

RT: 7.25 min Scan# 877

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

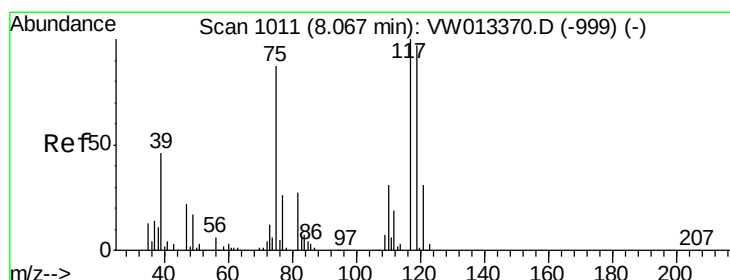
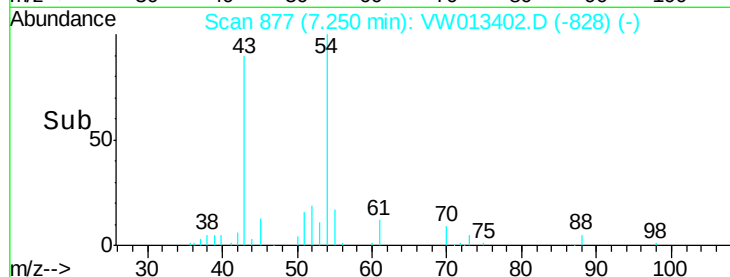
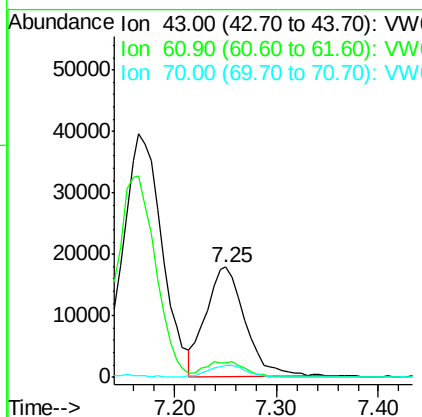
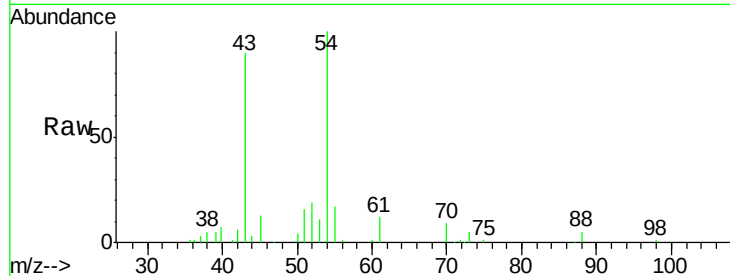
ClientSampleID :

VW1002SBSD02

Tot Ion:	43	Resp:	47865
Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.9	16.3
70	10.5	8.2	12.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 22.728 ug/l

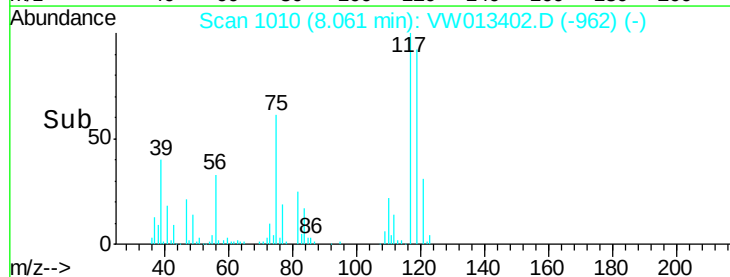
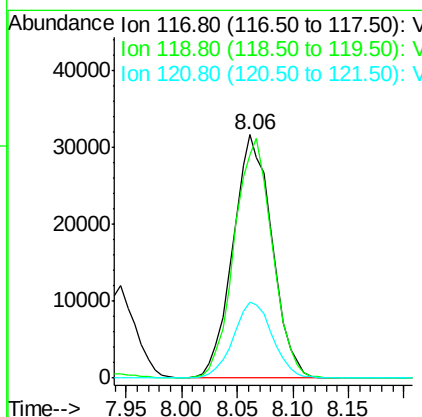
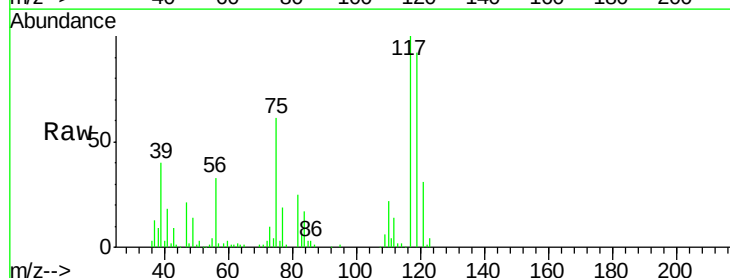
RT: 8.06 min Scan# 1010

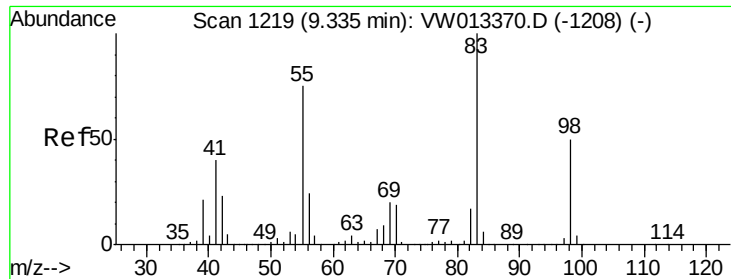
Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	117	Resp:	77331
Ion	Ratio	Lower	Upper
117	100		
119	91.6	73.5	110.3
121	31.2	25.0	37.6





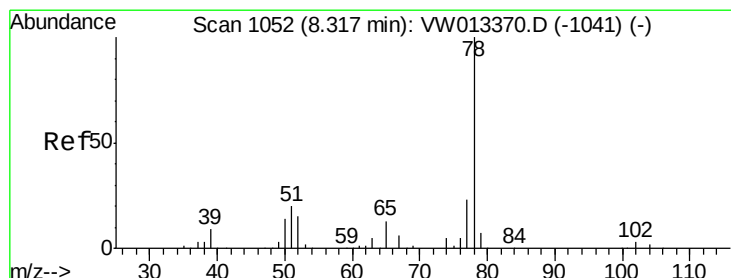
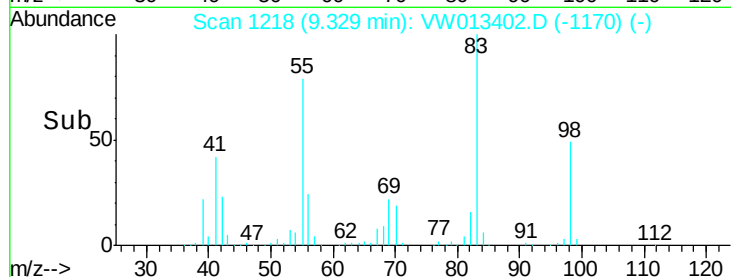
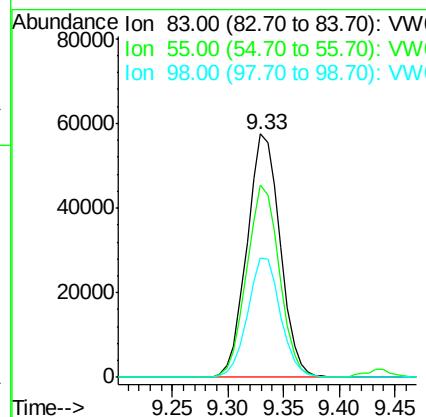
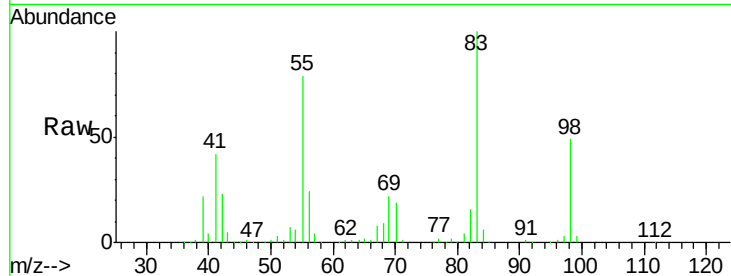
#39
Methylvlcyclohexane
Concen: 23.091 ug/l
RT: 9.33 min Scan# 1218
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	119445		
55	78.8	60.4	90.6	
98	49.0	40.0	60.0	

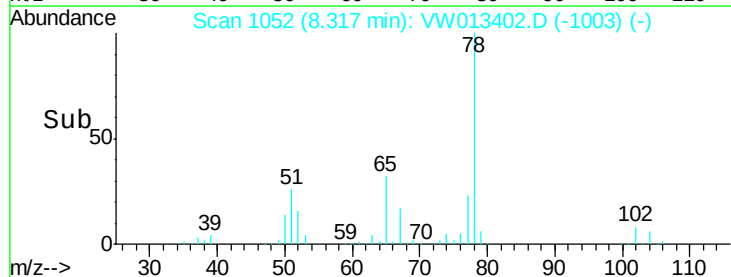
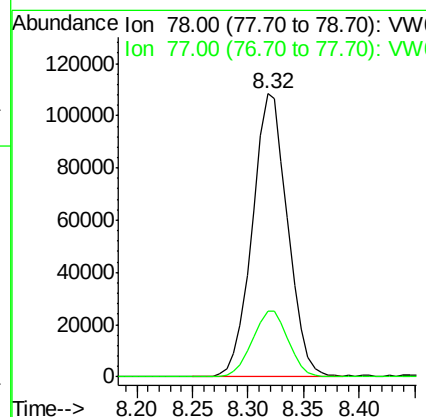
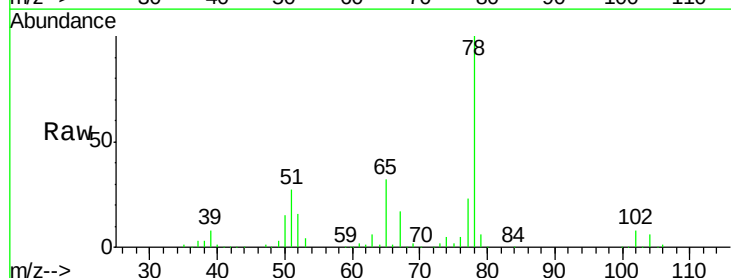
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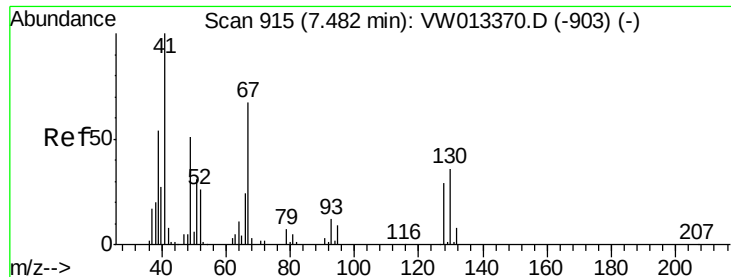
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#40
Benzene
Concen: 21.502 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	239073		
77	23.4	19.1	28.7	





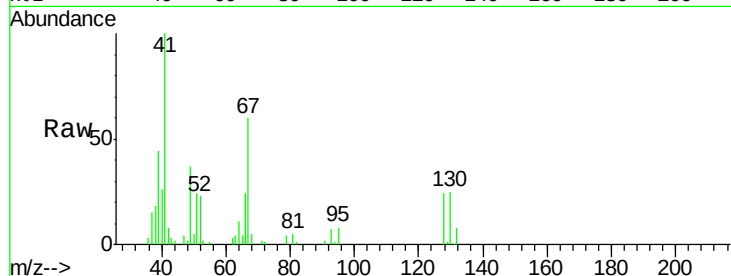
#41
Methacrylonitrile
Concen: 25.848 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

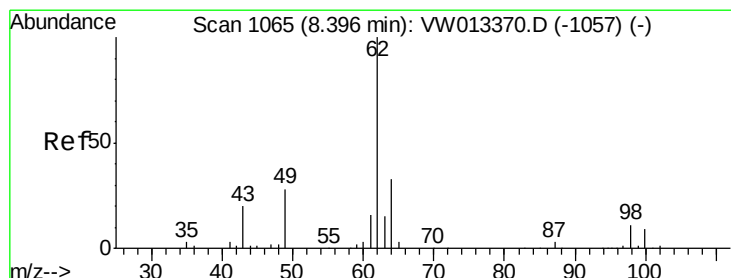
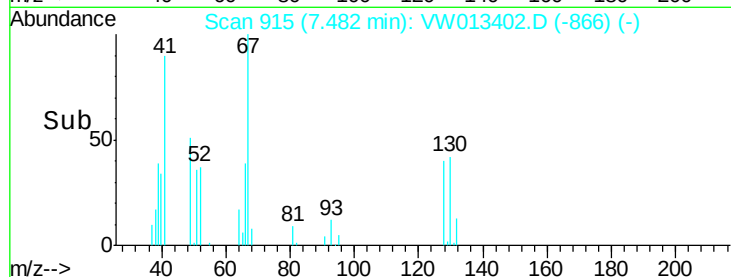
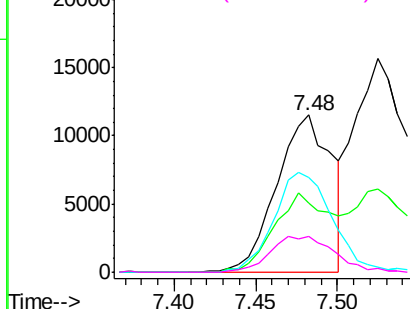
Tot Ion	Ratio	Lower	Upper
41	100		
39	50.9	45.9	68.9
67	67.4	54.5	81.7
52	26.9	22.5	33.7

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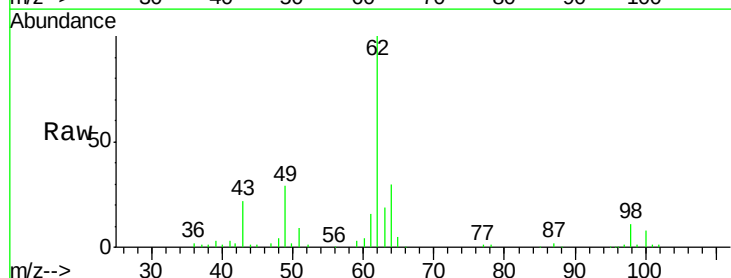


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

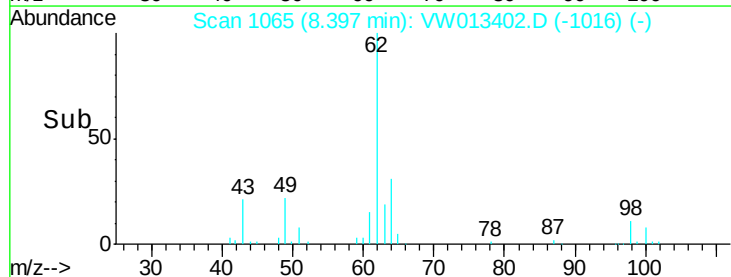
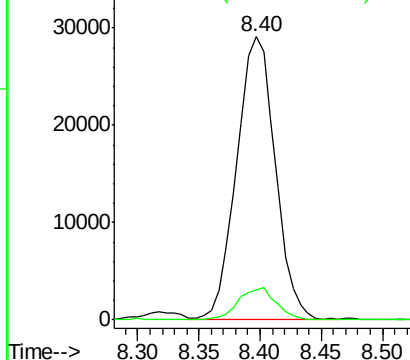


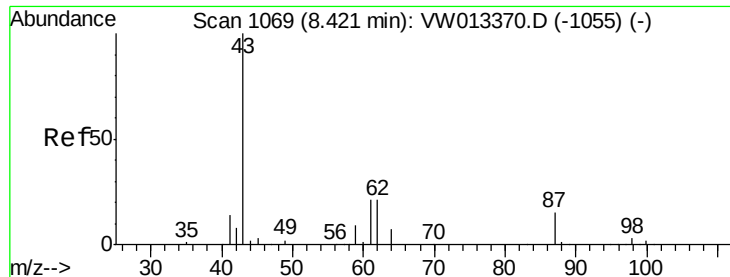
#42
1,2-Dichloroethane
Concen: 22.296 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 24.665 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

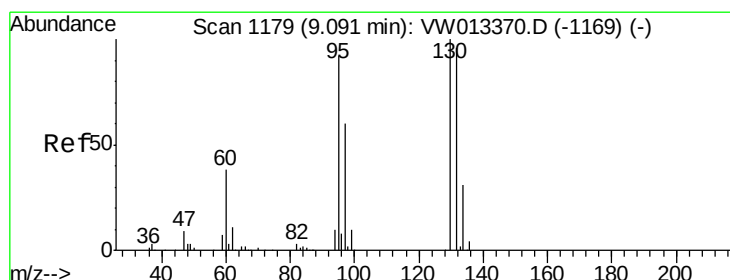
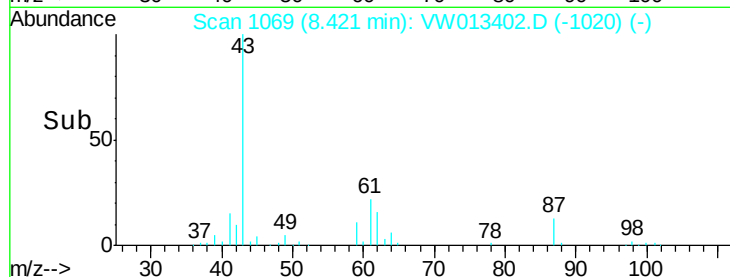
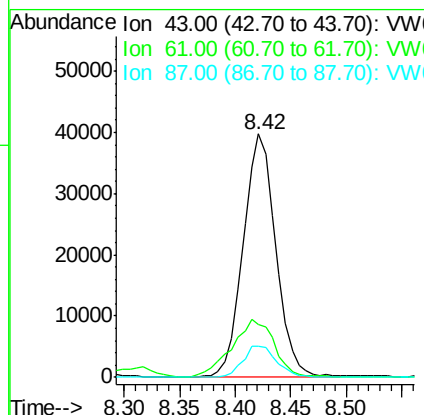
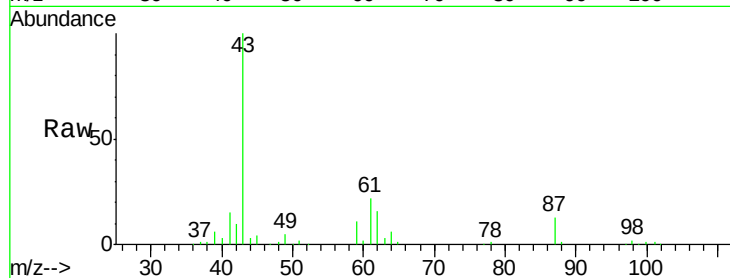
ClientSampleId :

VW1002SBSD02

Tot Ion:	43	Resp:	80471
Ion	Ratio	Lower	Upper
43	100		
61	31.4	25.5	38.3
87	13.6	11.0	16.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.782 ug/l

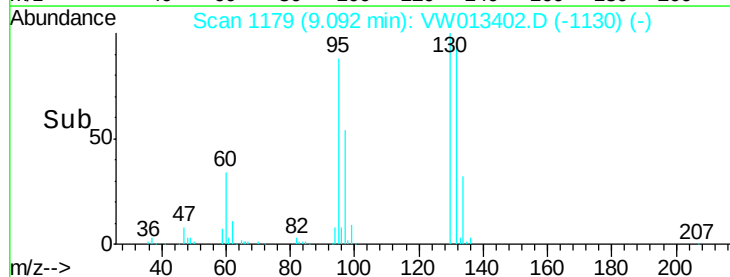
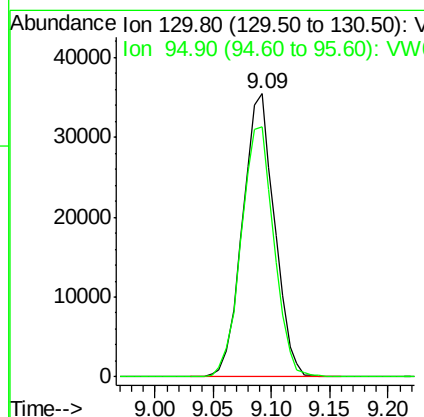
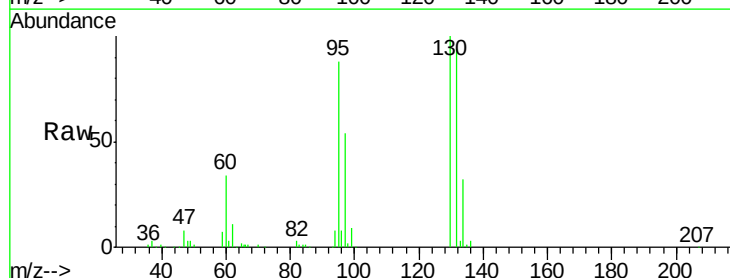
RT: 9.09 min Scan# 1179

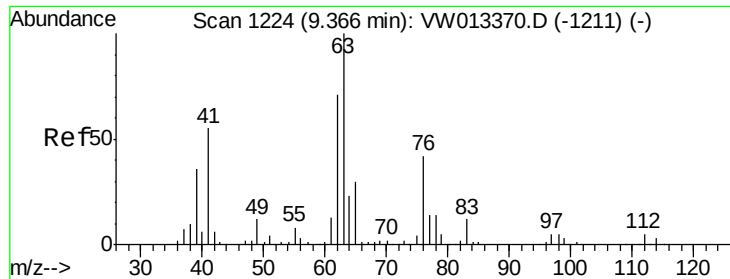
Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	130	Resp:	68201
Ion	Ratio	Lower	Upper
130	100		
95	88.4	0.0	188.0





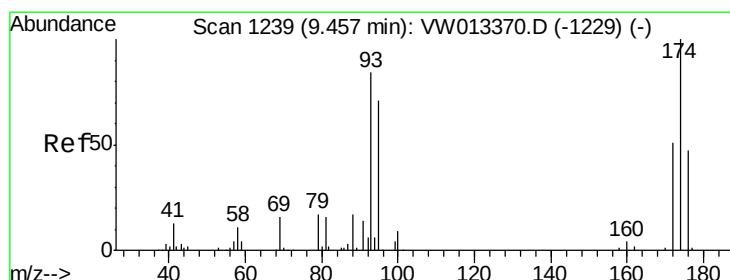
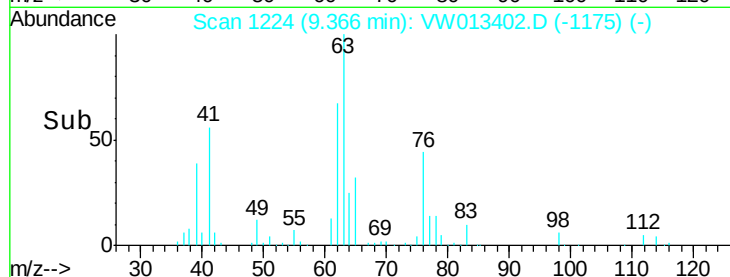
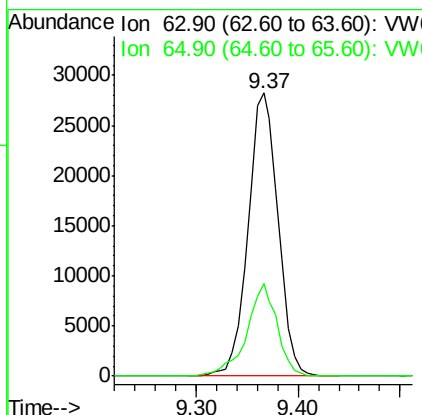
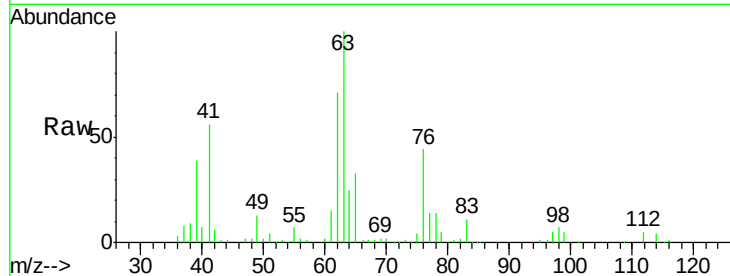
#45
 1,2-Dichloropropane
 Concen: 21.625 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tot Ion: 63 Resp: 57731
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.3 37.9

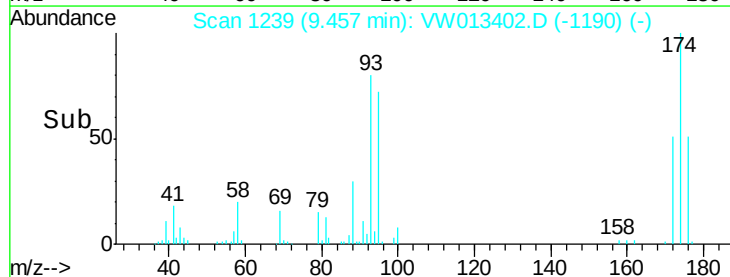
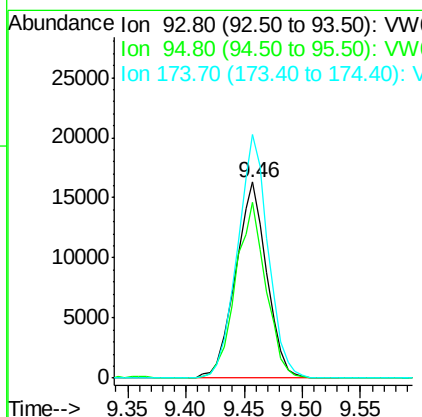
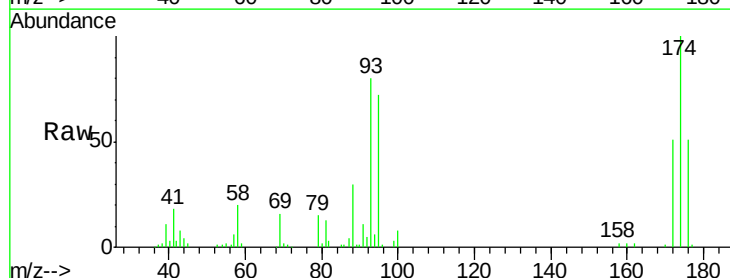
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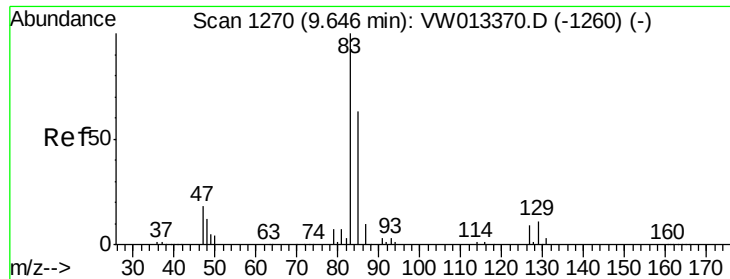
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#46
 Dibromomethane
 Concen: 22.847 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 93 Resp: 30379
 Ion Ratio Lower Upper
 93 100
 95 87.0 66.4 99.6
 174 122.2 93.0 139.6





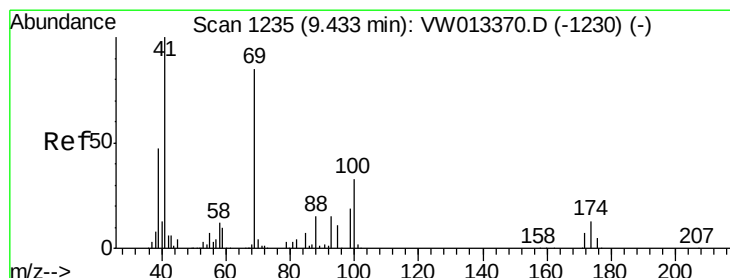
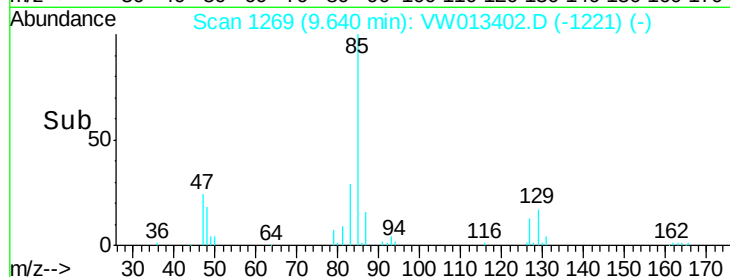
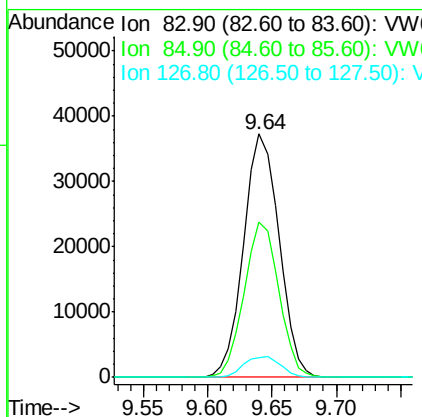
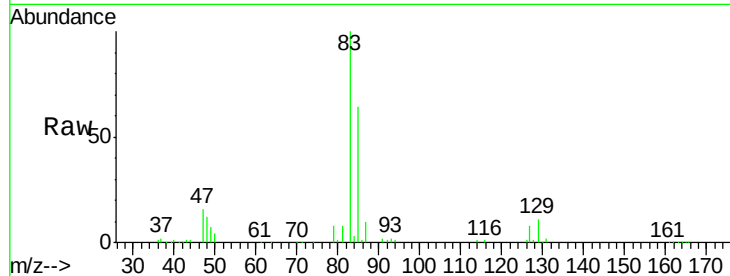
#47
Bromodichloromethane
Concen: 21.712 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.4	74.2
127	8.0	6.5	9.7

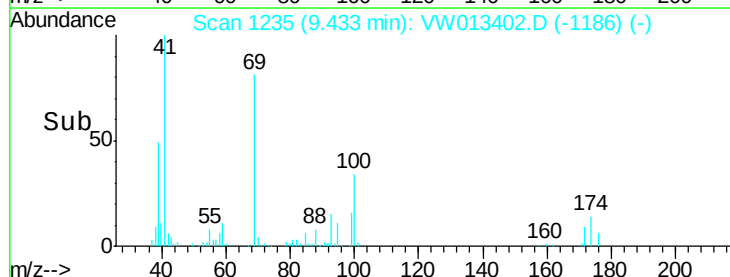
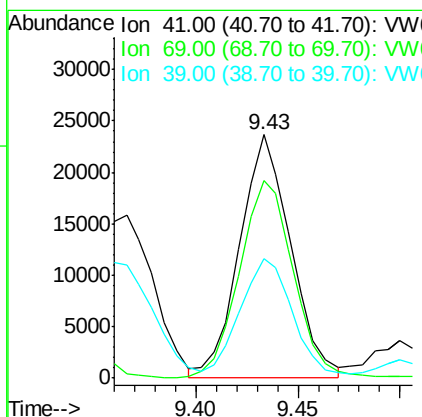
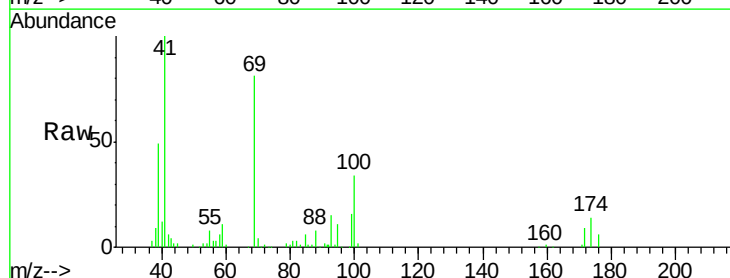
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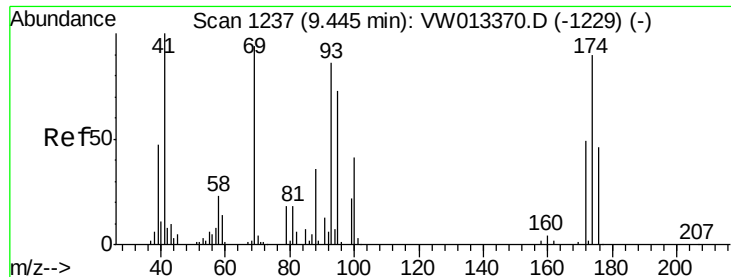
MMDadoda
10/4/2019 12:11:08 PM



#48
Methyl methacrylate
Concen: 26.331 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.8	69.7	104.5
39	47.3	41.1	61.7





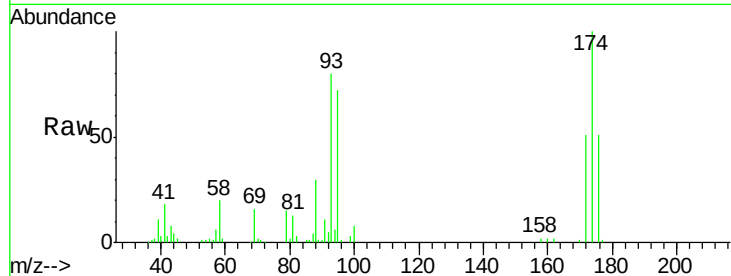
#49
1,4-Dioxane
Concen: 635.491 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. 0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

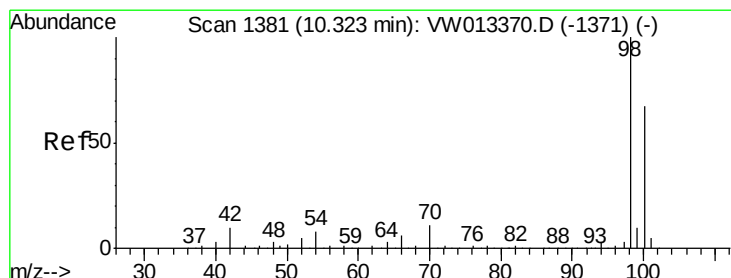
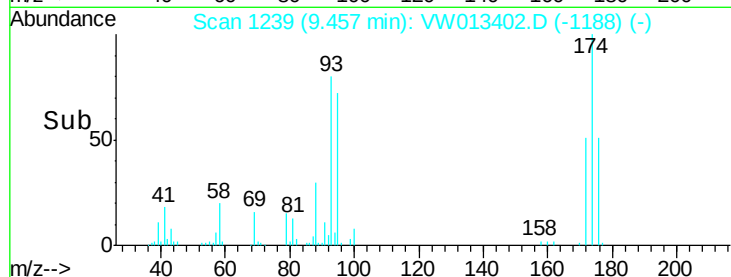
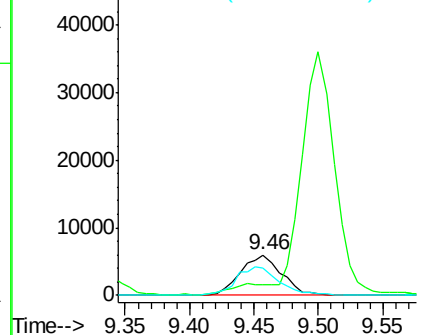
Tot Ion: 88 Resp: 13187
Ion Ratio Lower Upper
88 100
43 27.2 0.0 0.0#
58 74.8 65.4 98.0

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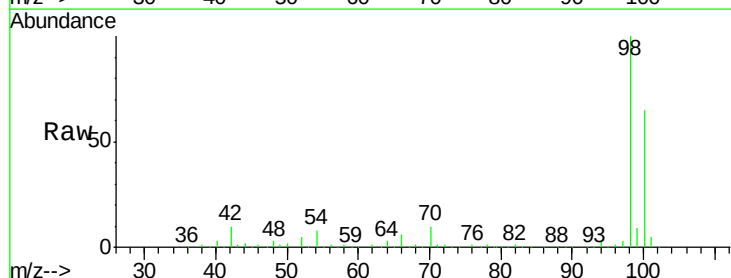


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

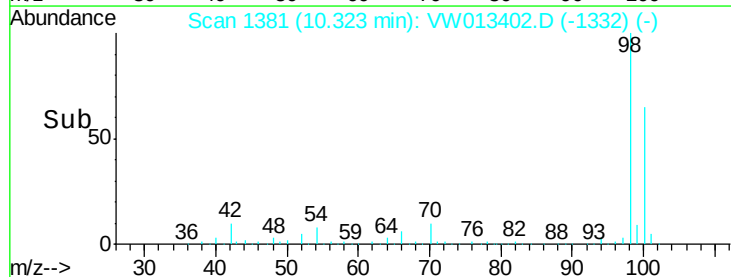
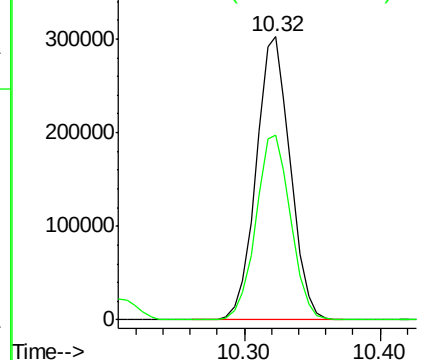


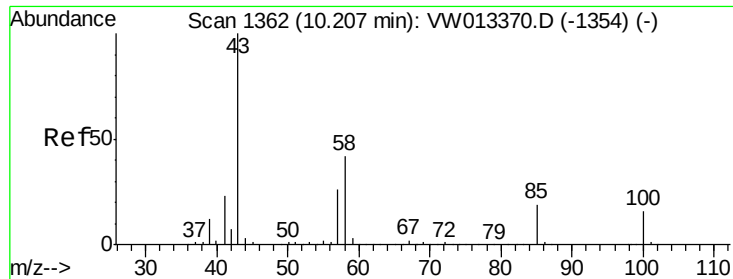
#50
Toluene-d8
Concen: 57.600 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 98 Resp: 530404
Ion Ratio Lower Upper
98 100
100 66.3 52.9 79.3



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





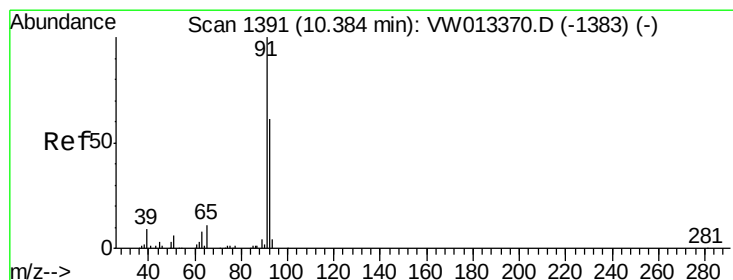
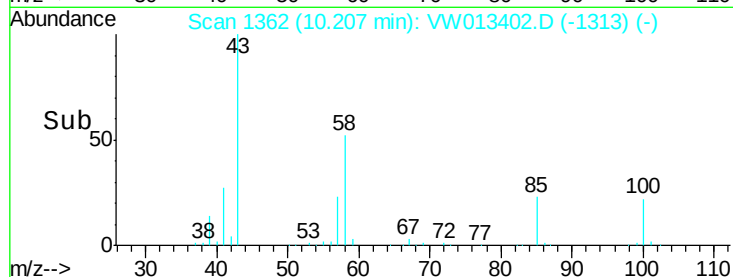
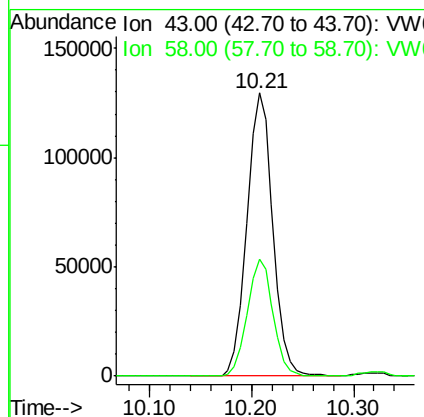
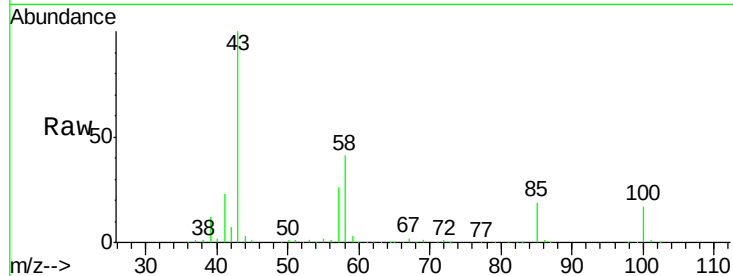
#51
4-Methyl-2-Pentanone
Concen: 132.479 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion: 43 Resp: 227091
Ion Ratio Lower Upper
43 100
58 41.3 31.7 47.5

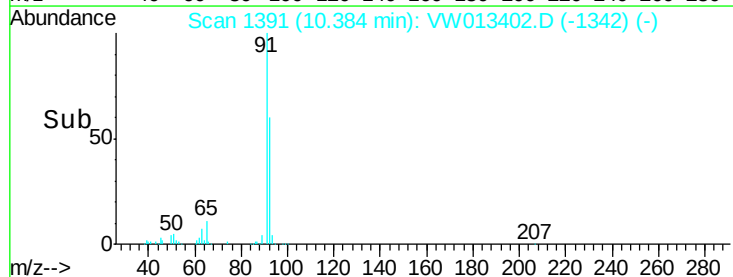
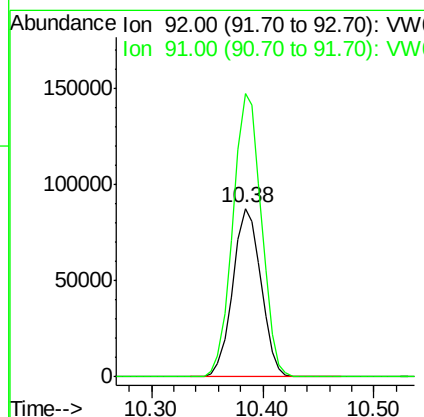
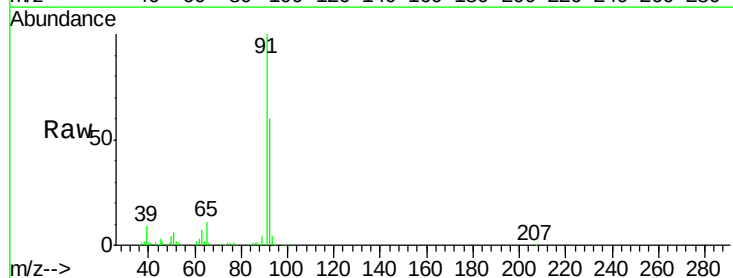
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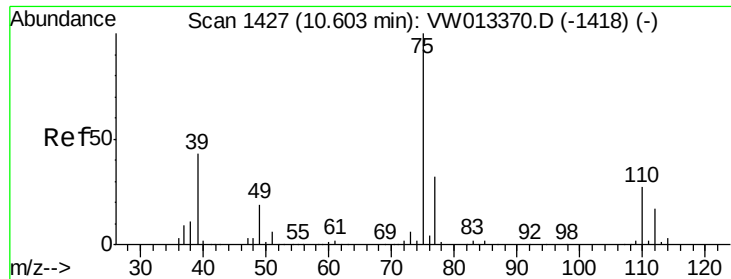
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#52
Toluene
Concen: 21.448 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion: 92 Resp: 153814
Ion Ratio Lower Upper
92 100
91 169.2 135.7 203.5





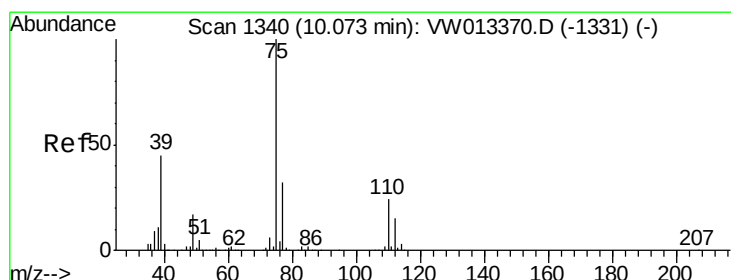
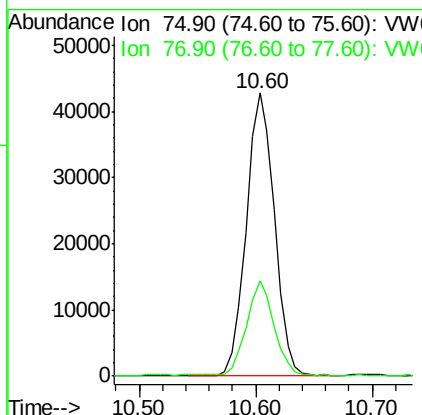
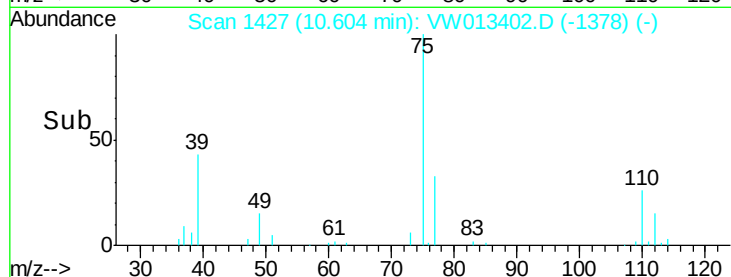
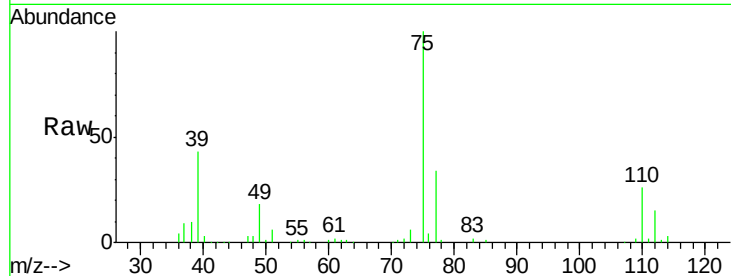
#53
t-1,3-Dichloropropene
Concen: 21.218 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.5	38.3

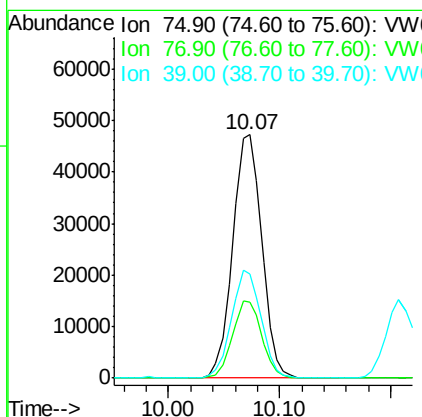
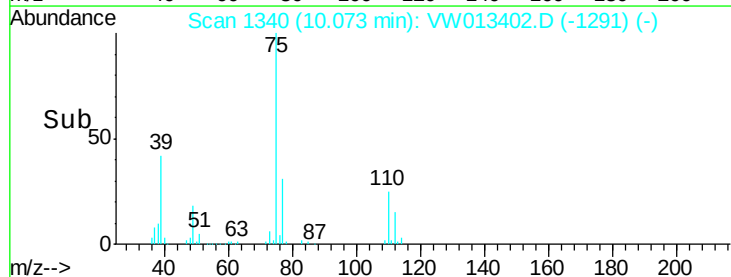
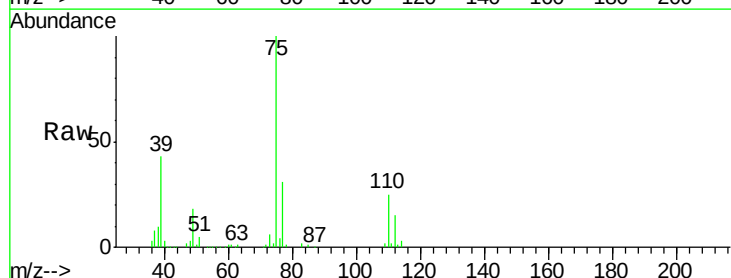
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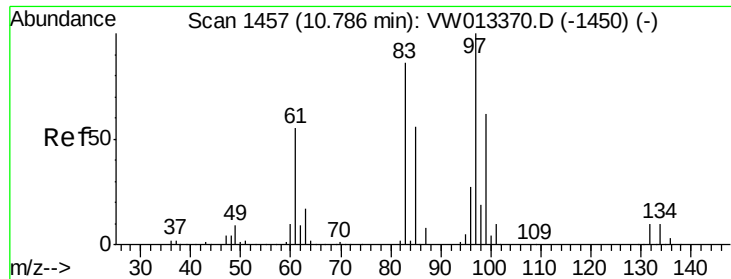
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#54
cis-1,3-Dichloropropene
Concen: 20.711 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.2	37.8
39	42.6	36.6	55.0





#55

1,1,2-Trichloroethane

Concen: 23.457 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

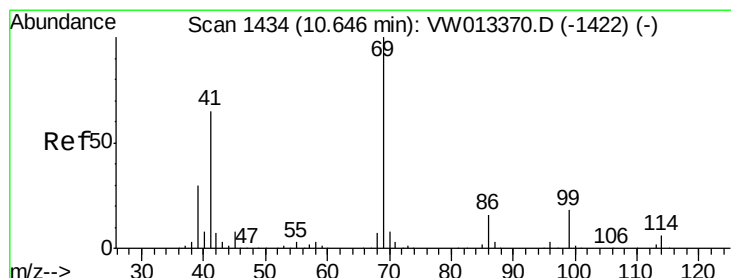
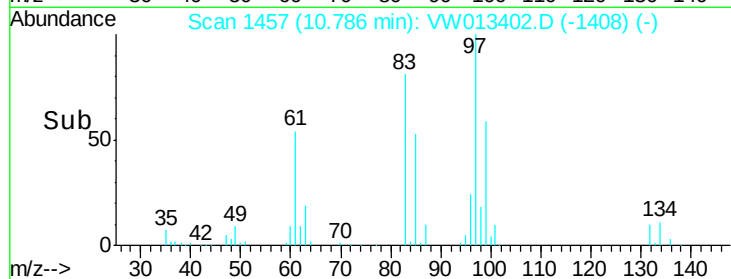
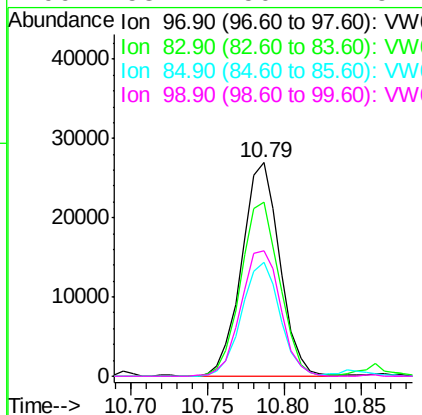
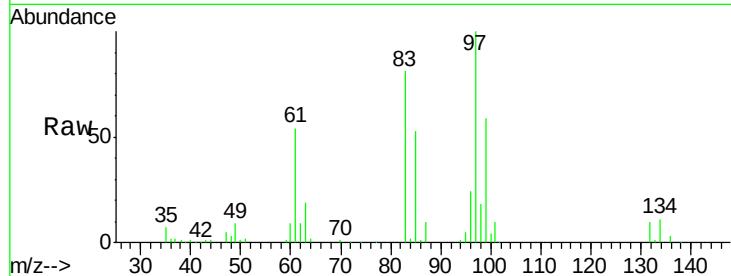
ClientSampleId :

VW1002SBS02

Tot Ion:	97	Resp:	46530
Ion	Ratio	Lower	Upper
97	100		
83	81.4	67.6	101.4
85	53.4	41.9	62.9
99	58.7	50.1	75.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 23.860 ug/l

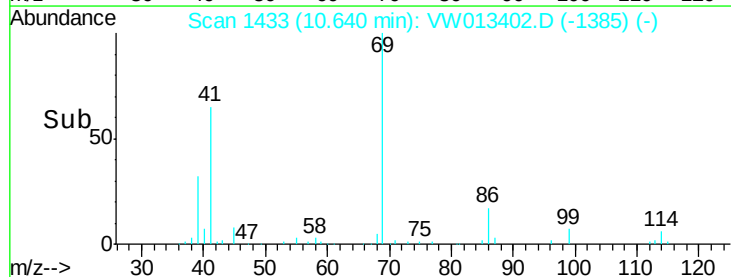
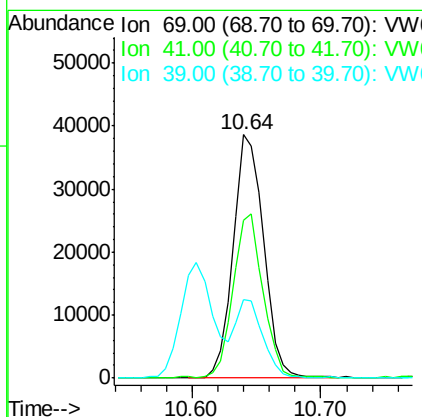
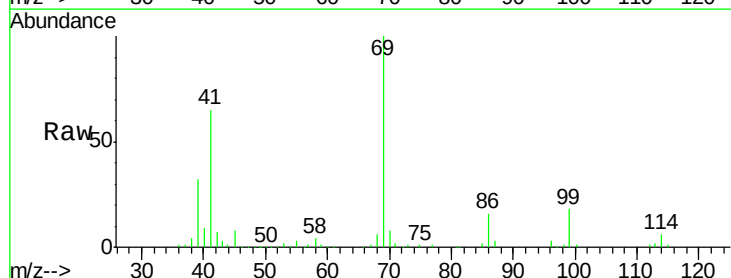
RT: 10.64 min Scan# 1433

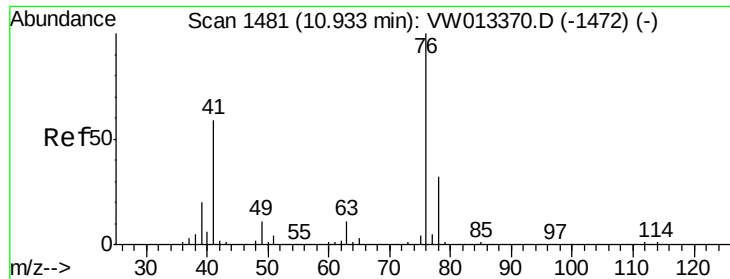
Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	69	Resp:	63705
Ion	Ratio	Lower	Upper
69	100		
41	65.1	53.9	80.9
39	29.0	23.8	35.6





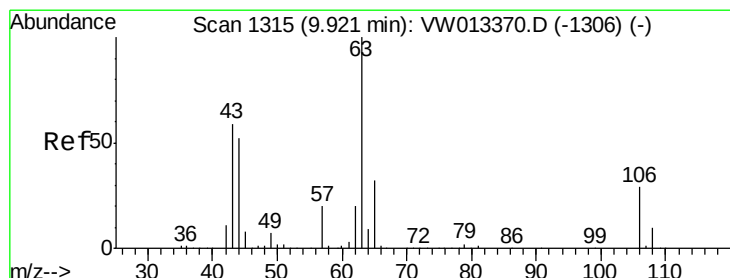
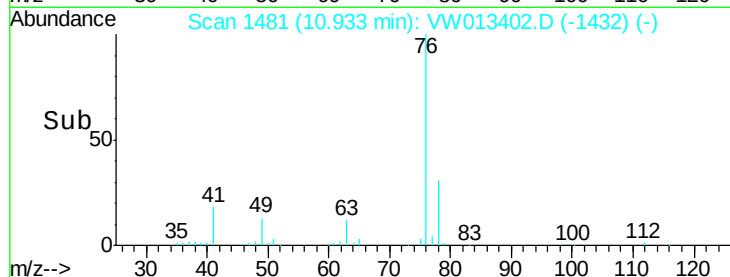
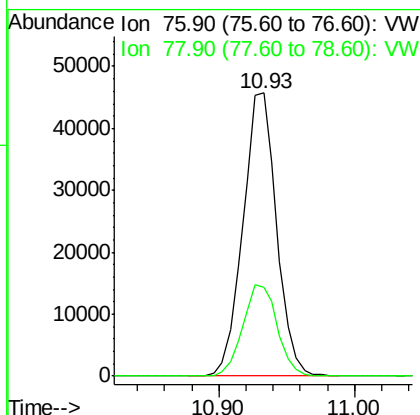
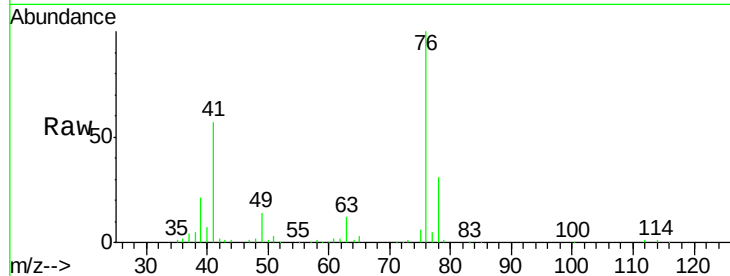
#57
 1,3-Dichloropropane
 Concen: 22.885 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBSD02

Tot Ion: 76 Resp: 78916
 Ion Ratio Lower Upper
 76 100
 78 33.2 25.5 38.3

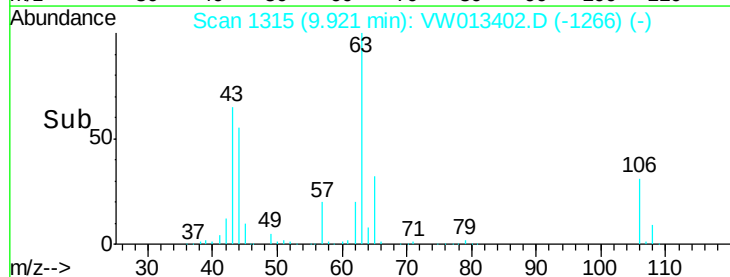
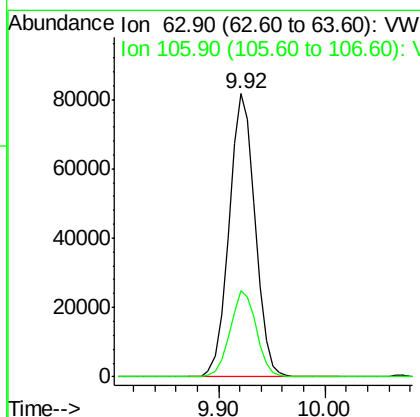
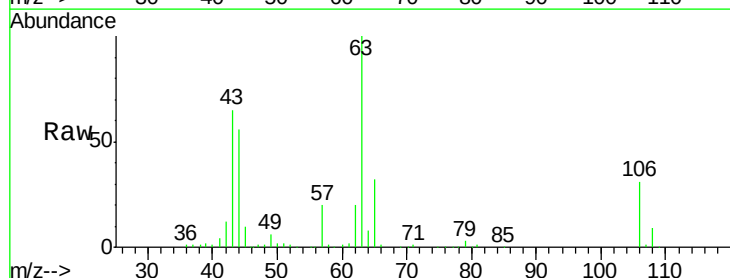
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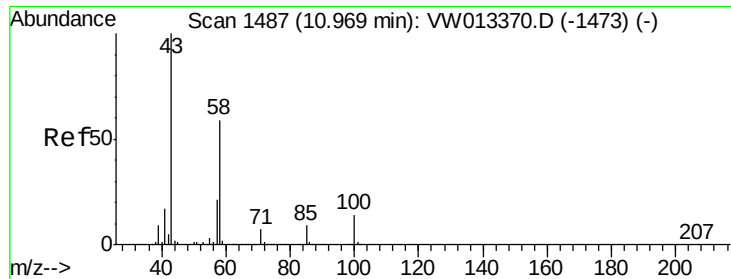
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#58
 2-Chloroethyl Vinyl ether
 Concen: 127.300 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion: 63 Resp: 139615
 Ion Ratio Lower Upper
 63 100
 106 30.7 23.4 35.0





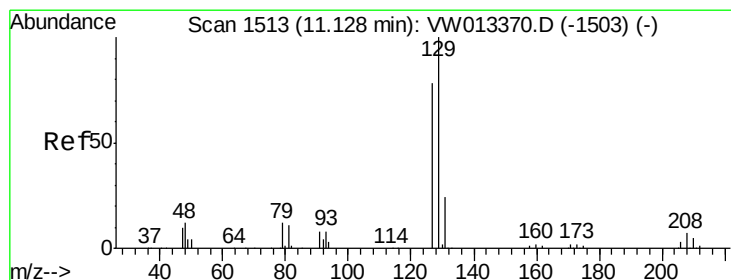
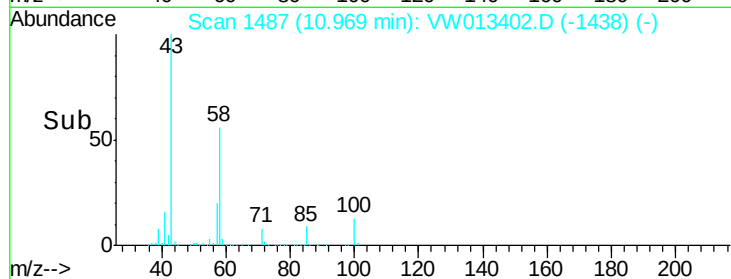
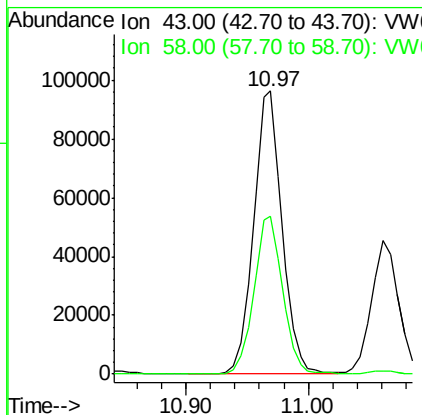
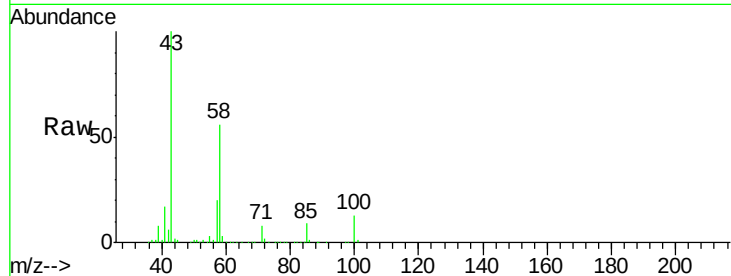
#59
2-Hexanone
Concen: 131.383 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	43	Resp	156101
Ion Ratio	43	100	
Lower	58	56.2	28.1
Upper			84.2

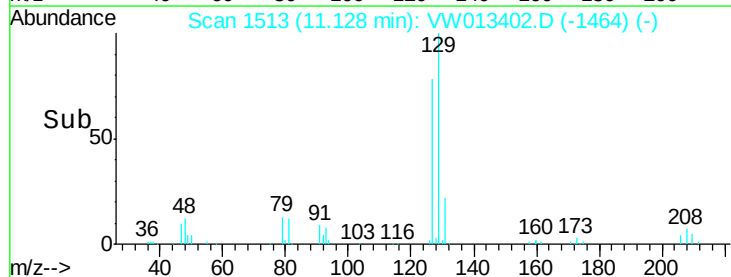
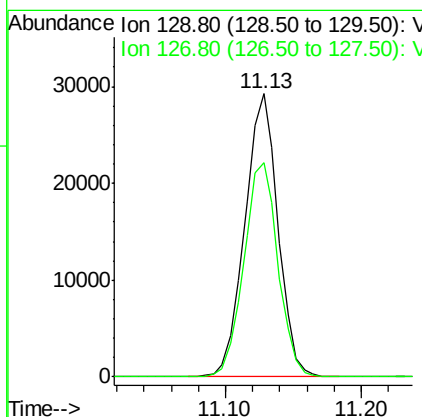
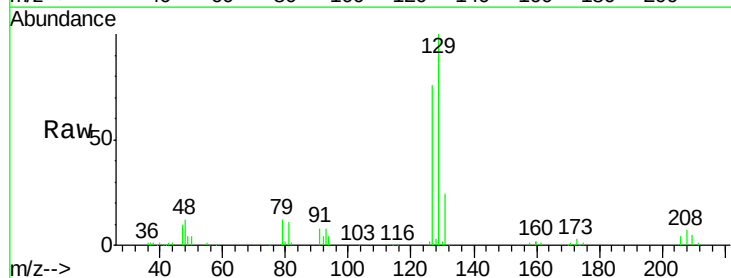
Manual Integrations
APPROVED

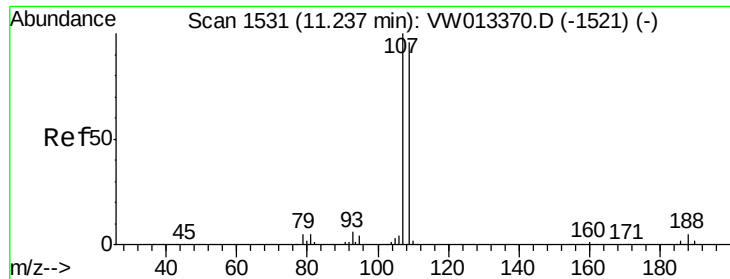
MMDadoda
10/4/2019 12:11:08 PM



#60
Dibromochloromethane
Concen: 21.946 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	129	Resp	49802
Ion Ratio	129	100	
Lower	127	77.6	38.8
Upper			116.4





#61

1,2-Dibromoethane

Concen: 23.712 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 107 Resp: 45450

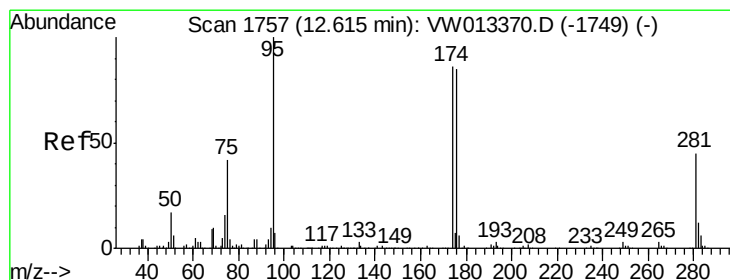
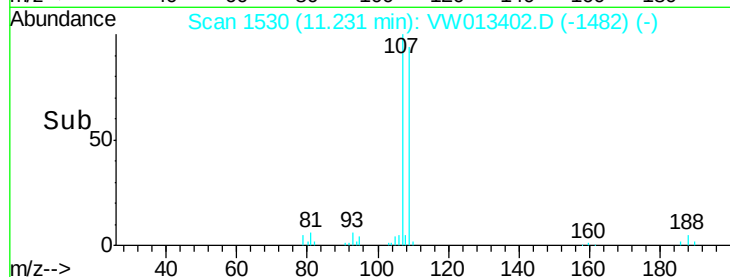
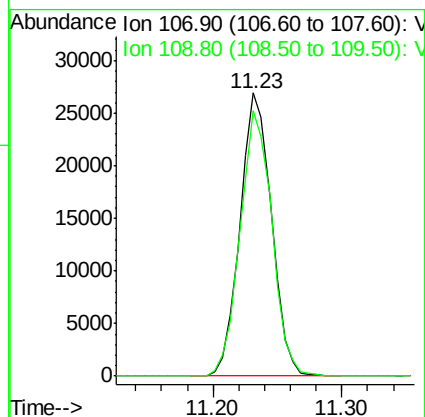
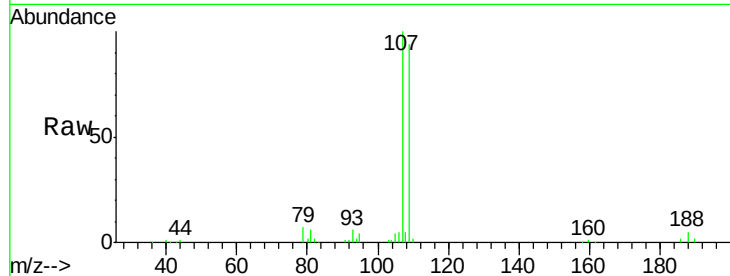
Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8

Manual Integrations
APPROVED

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#62

4-Bromofluorobenzene

Concen: 57.680 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

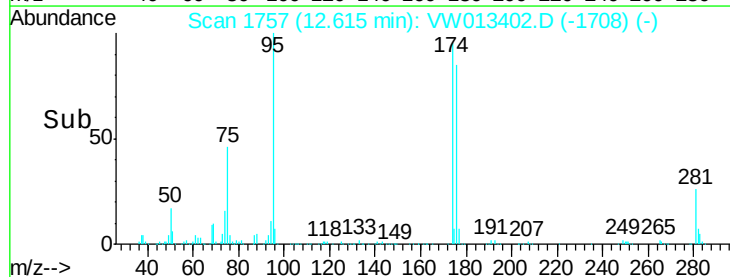
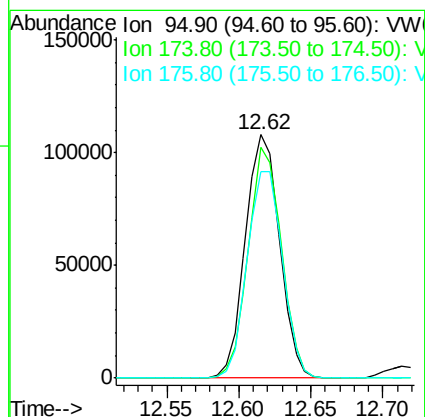
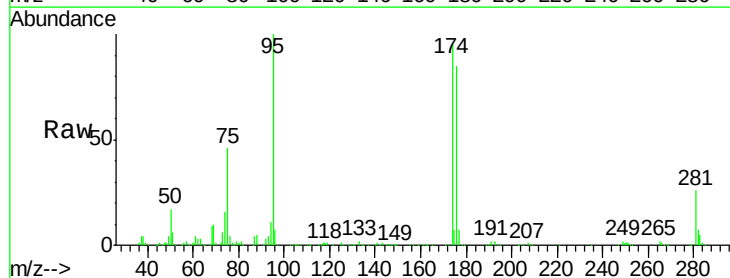
Tgt Ion: 95 Resp: 177367

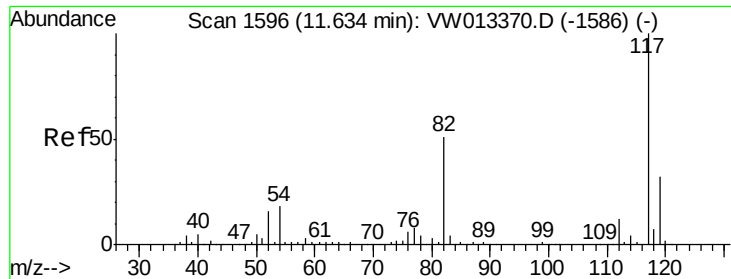
Ion Ratio Lower Upper

95 100

174 92.1 0.0 178.4

176 87.6 0.0 172.2





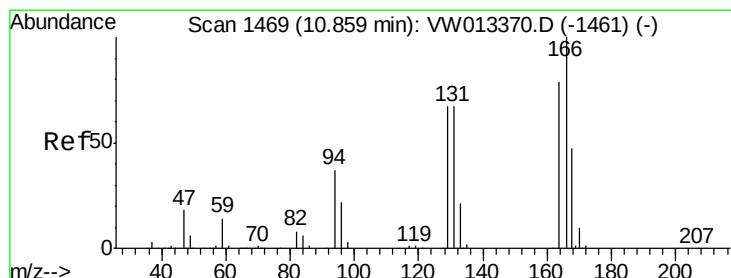
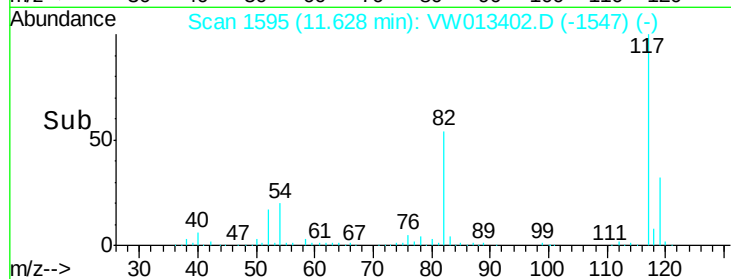
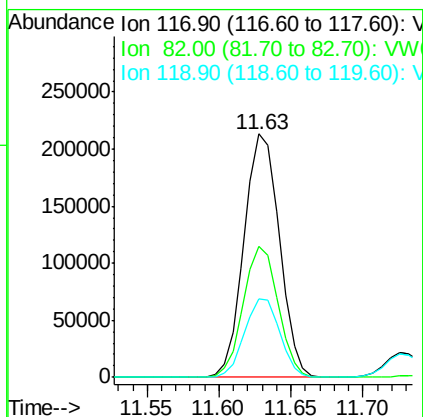
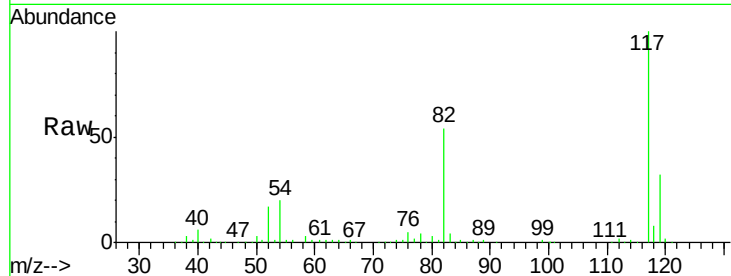
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	45.9	68.9
119	32.5	26.2	39.2

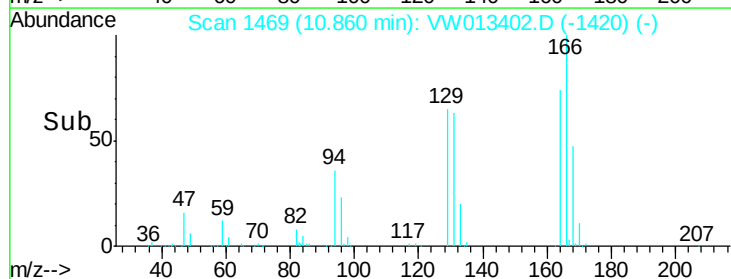
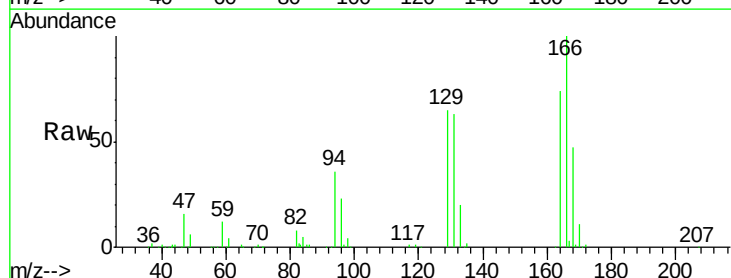
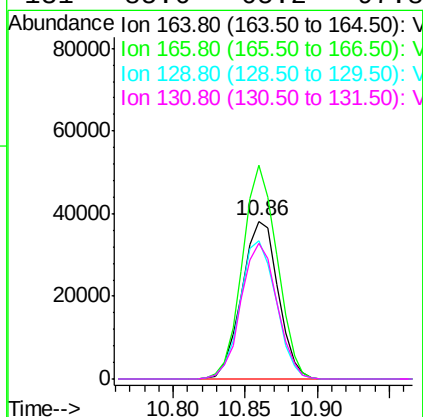
Manual Integrations
APPROVED

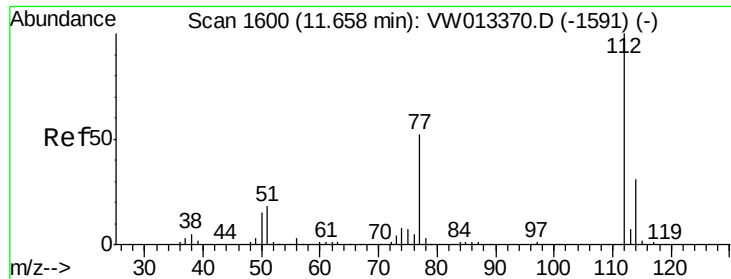
MMDadoda
10/4/2019 12:11:08 PM



#64
Tetrachloroethene
Concen: 24.091 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.3	101.2	151.8
129	87.9	68.8	103.2
131	85.6	65.2	97.8





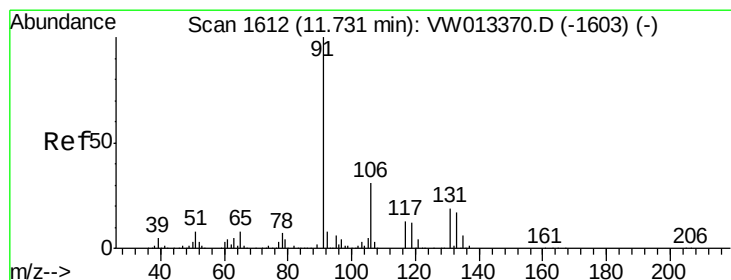
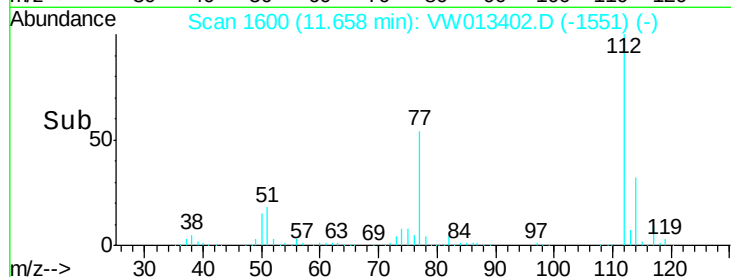
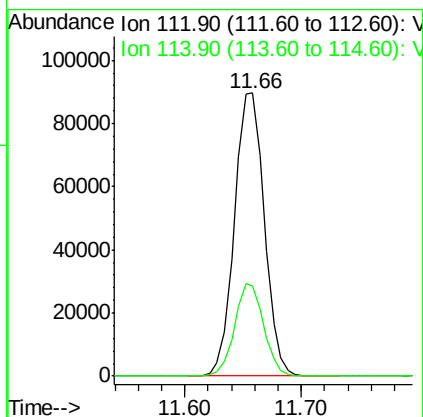
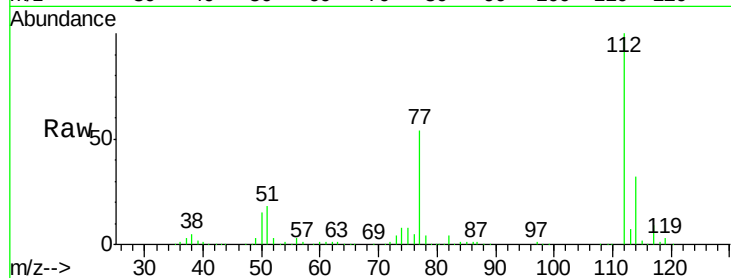
#65
Chlorobenzene
Concen: 21.532 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion:112 Resp: 160632
Ion Ratio Lower Upper
112 100
114 31.7 26.5 39.7

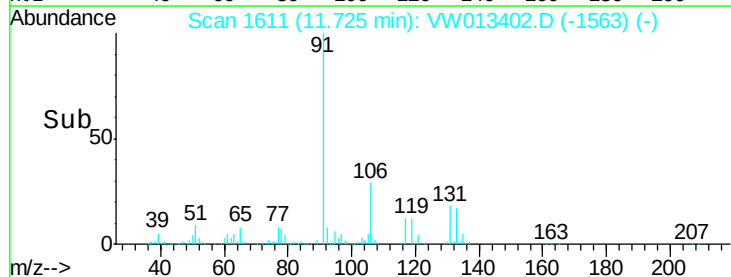
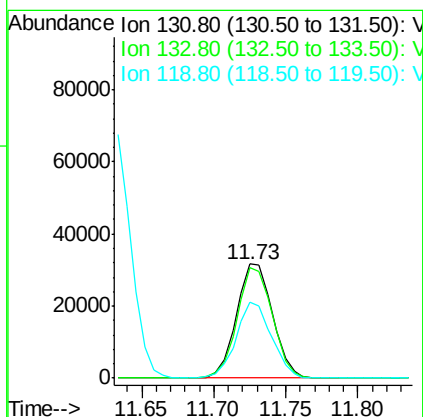
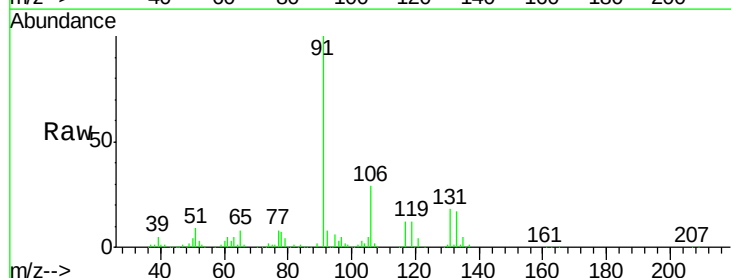
Manual Integrations
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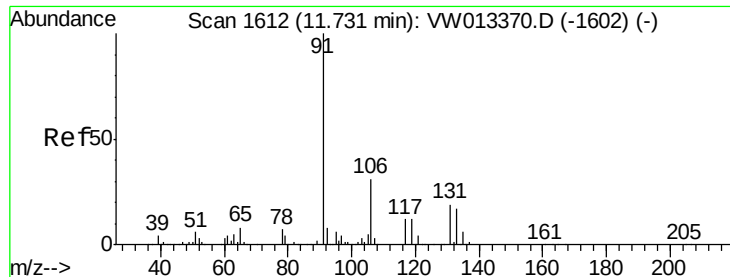
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.758 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion:131 Resp: 55285
Ion Ratio Lower Upper
131 100
133 94.0 47.5 142.6
119 64.7 32.5 97.5





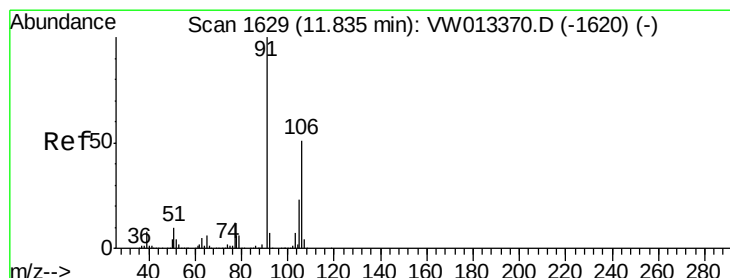
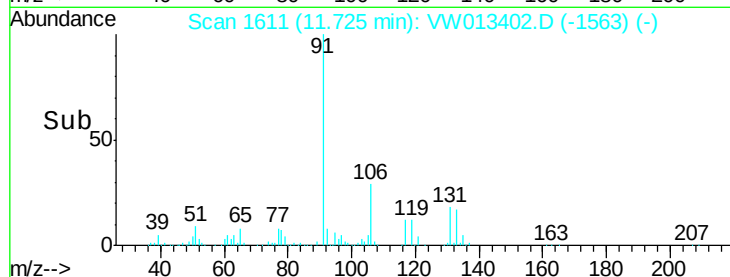
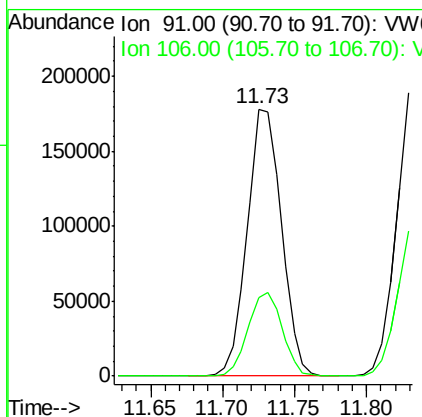
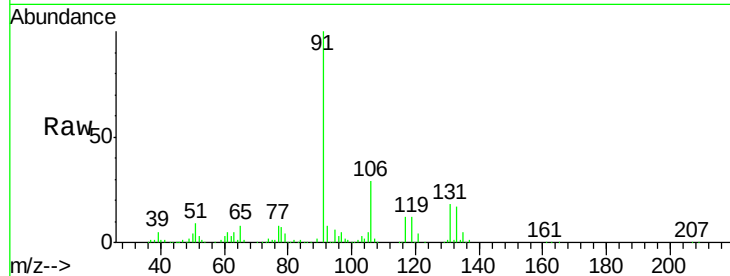
#67
Ethyl Benzene
Concen: 21.908 ug/l
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.9	37.3

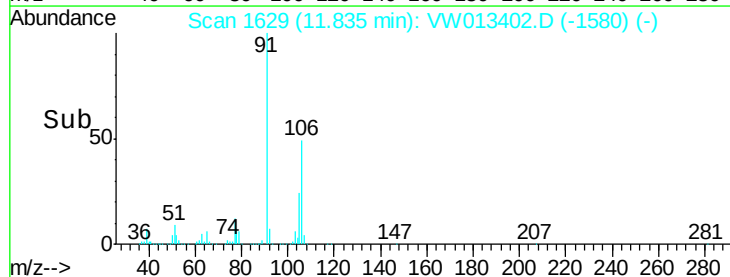
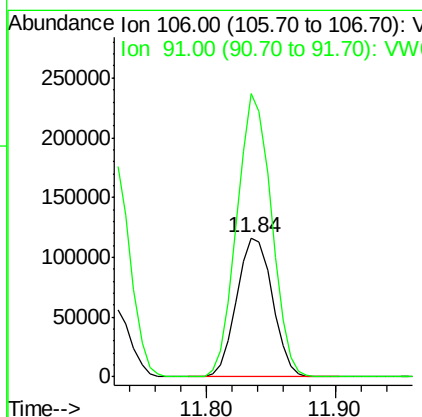
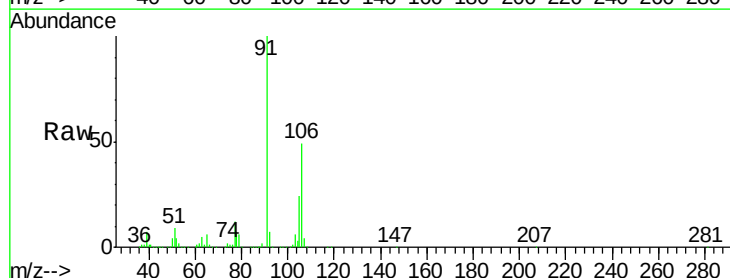
Manual Integrations
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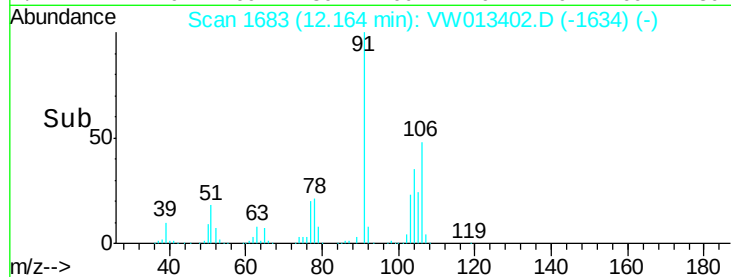
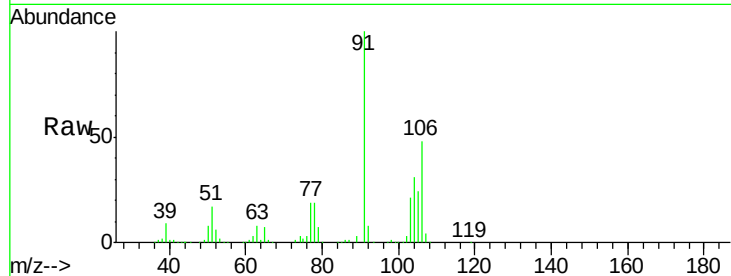
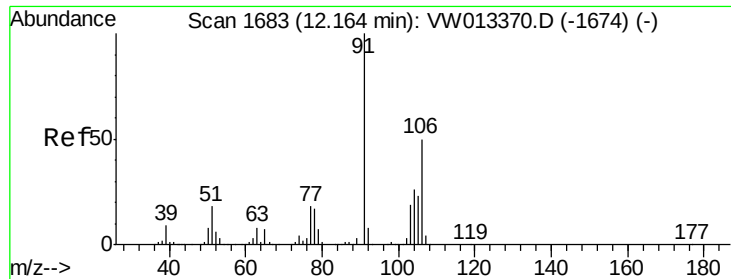
MMDadoda
10/4/2019 12:11:08 PM



#68
m/p-Xylenes
Concen: 43.233 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
106	100		
91	198.0	157.9	236.9





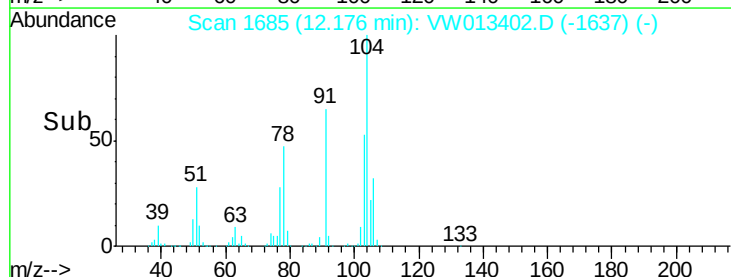
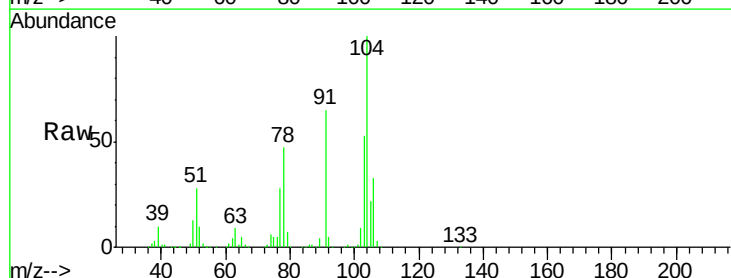
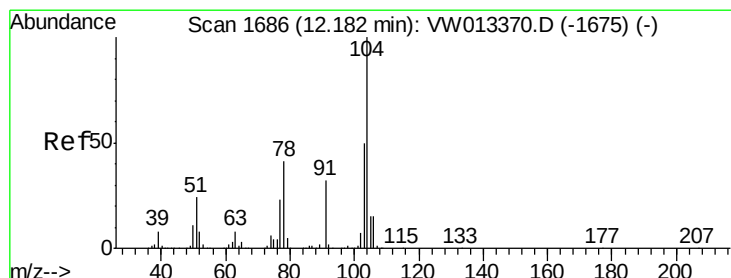
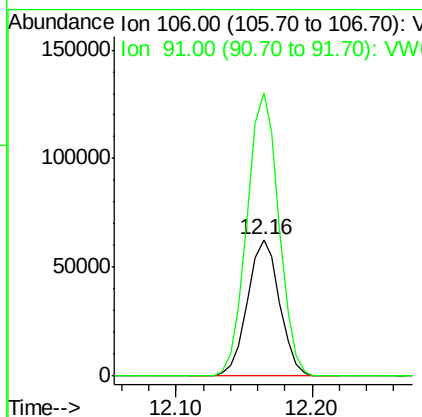
#69
o-Xylene
Concen: 21.751 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		103788		
91	206.7	106.5	319.5		

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBS02

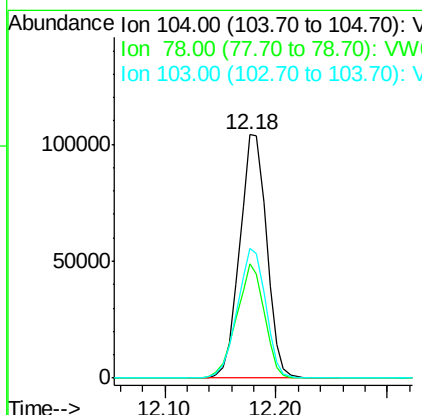
Manual Integrations
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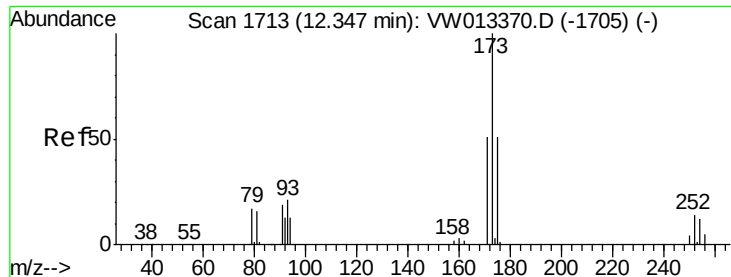
MMDadoda
10/4/2019 12:11:08 PM



#70
Styrene
Concen: 21.456 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		175013		
78	48.2	38.4	57.6		
103	55.8	43.3	64.9		





#71

Bromoform

Concen: 24.197 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

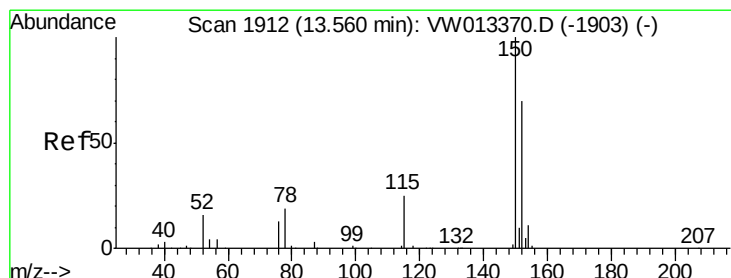
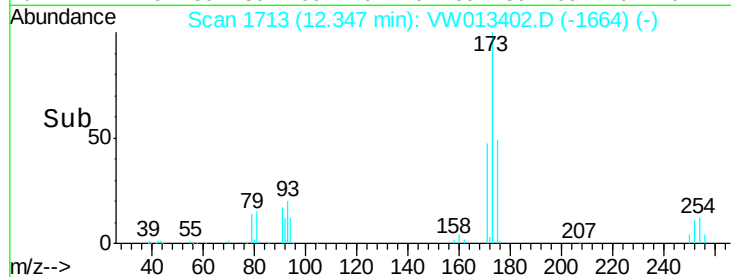
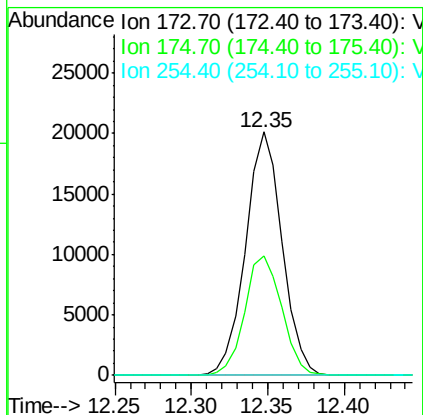
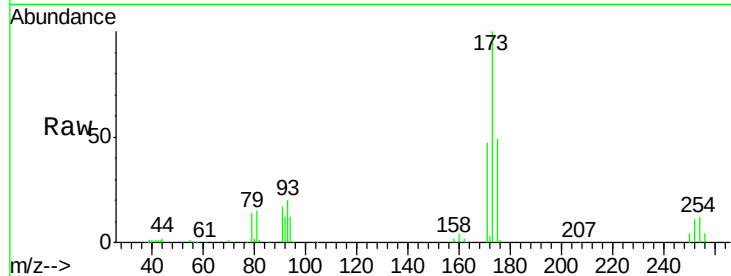
ClientSampleId :

VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	73.0
254	0.0	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

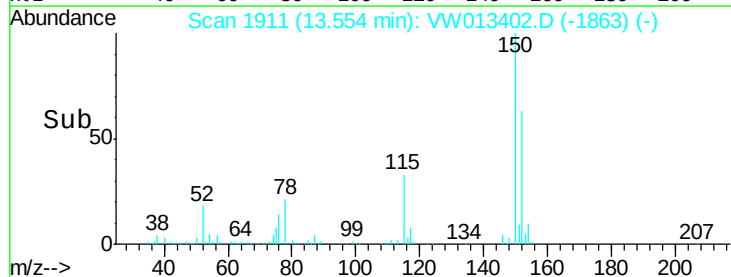
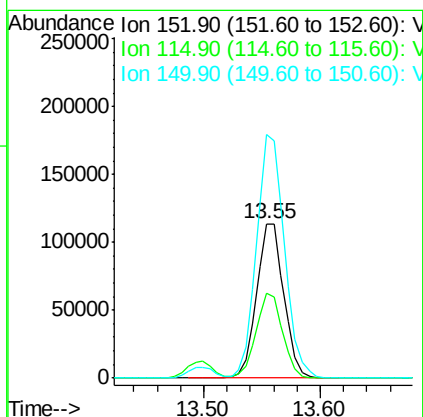
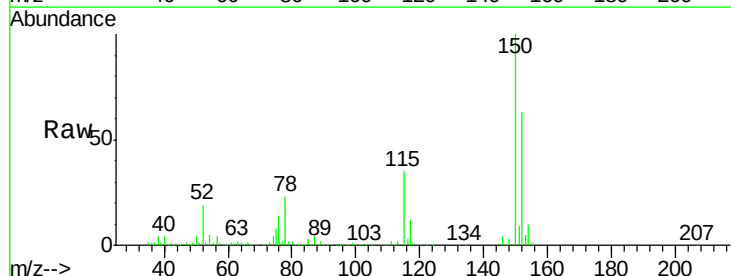
RT: 13.55 min Scan# 1911

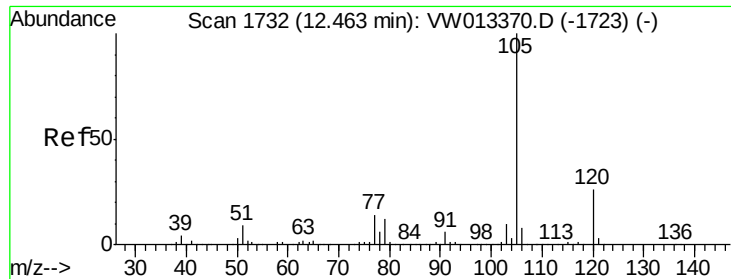
Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	27.3	81.9
150	162.3	0.0	349.0





#73

Isopropylbenzene

Concen: 21.536 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion:105 Resp: 291624

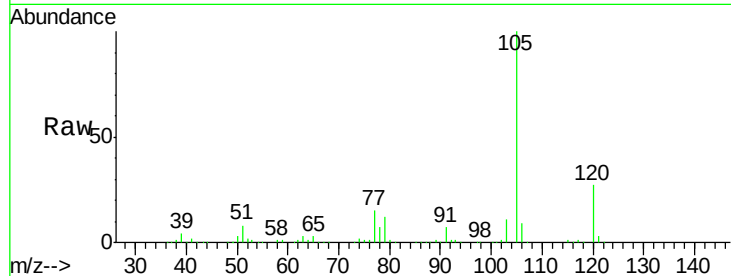
Ion Ratio Lower Upper

105 100

120 26.5 13.4 40.1

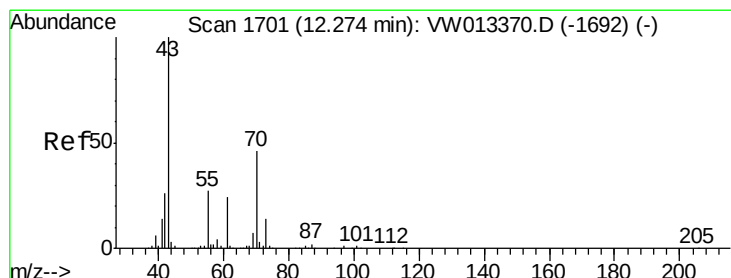
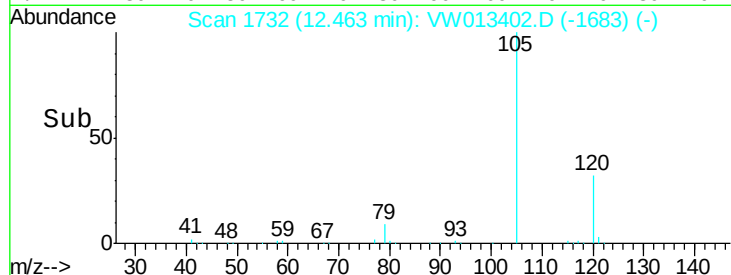
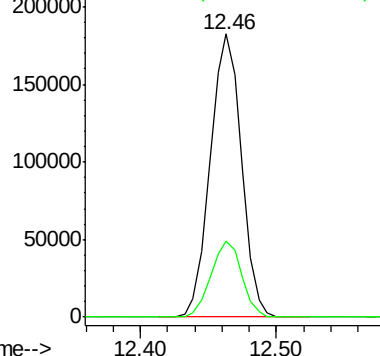
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 24.155 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion: 43 Resp: 69611

Ion Ratio Lower Upper

43 100

70 44.4 35.1 52.7

55 24.5 19.9 29.9

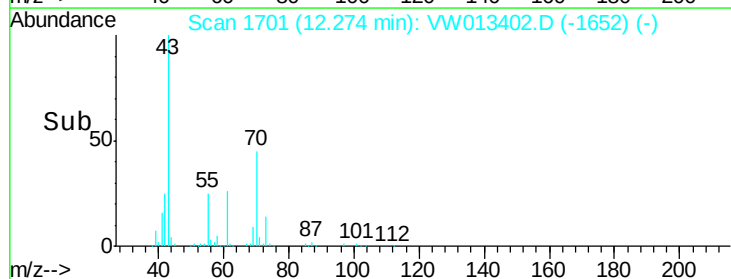
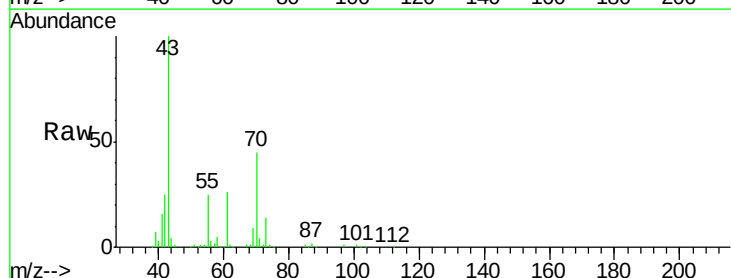
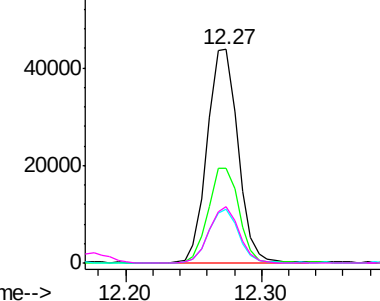
61 25.5 19.5 29.3

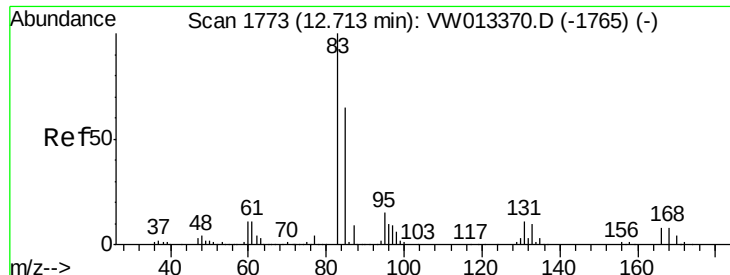
Abundance Ion 43.00 (42.70 to 43.70): VW

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





#75

1,1,2,2-Tetrachloroethane

Concen: 24.942 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

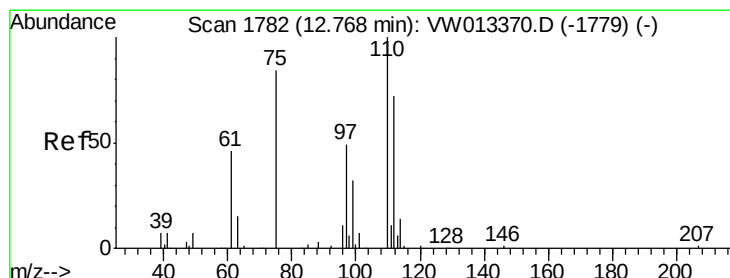
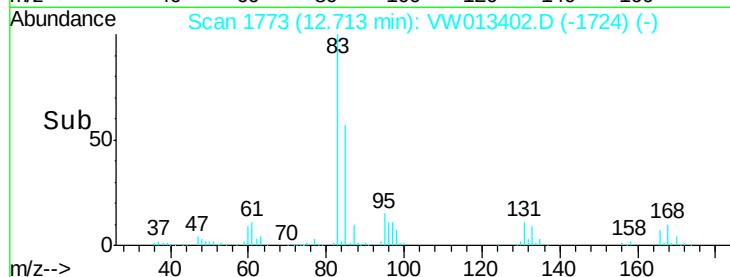
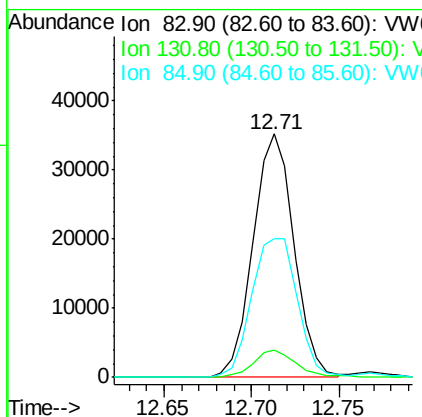
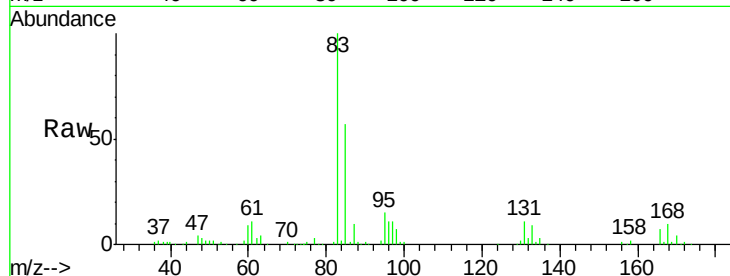
ClientSampleId :

VW1002SBSD02

Tot Ion:	83	Resp:	57165
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.4	16.2
85	64.1	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.452 ug/l m

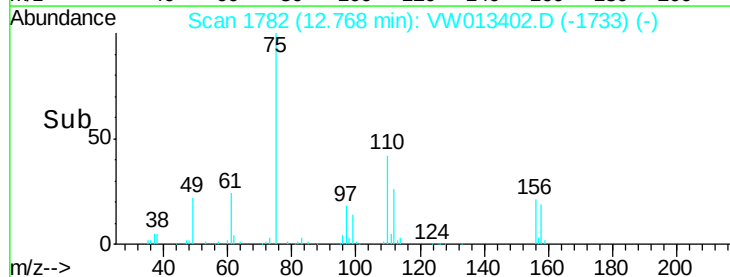
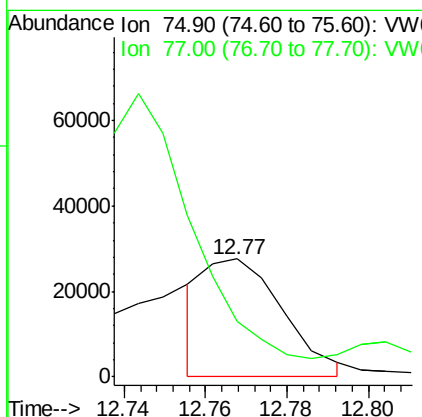
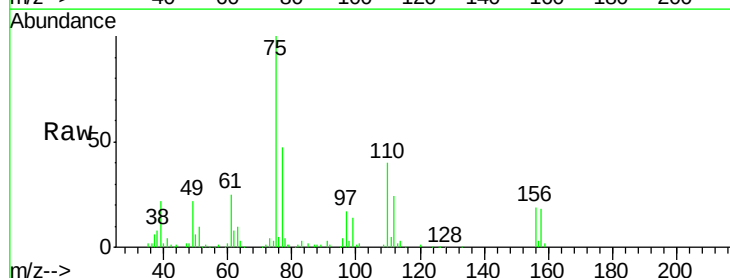
RT: 12.77 min Scan# 1782

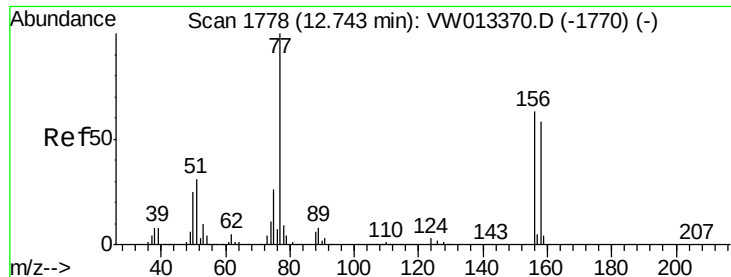
Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	75	Resp:	36941
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





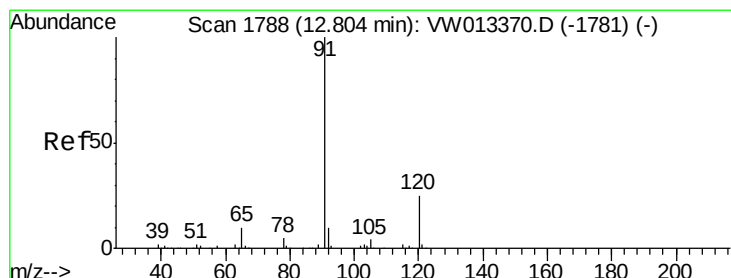
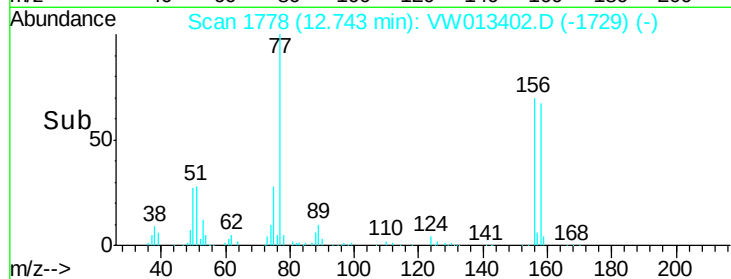
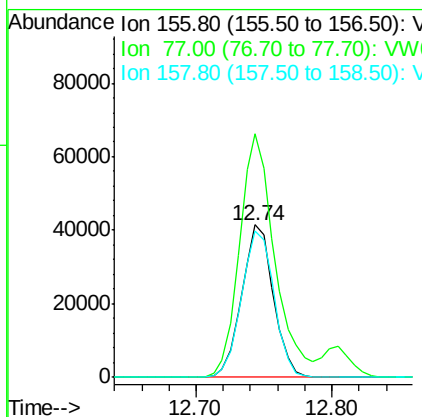
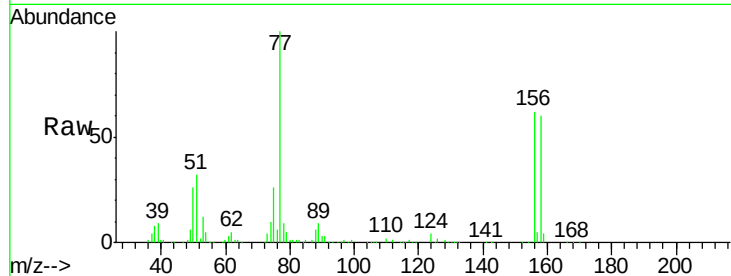
#77
Bromobenzene
Concen: 20.649 ug/l
RT: 12.74 min Scan# 1778
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
156	100		
77	177.7	85.7	257.1
158	99.1	48.1	144.4

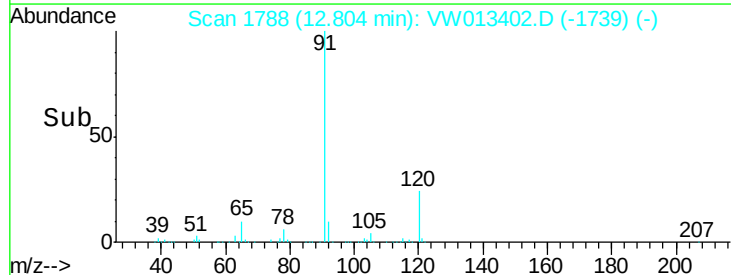
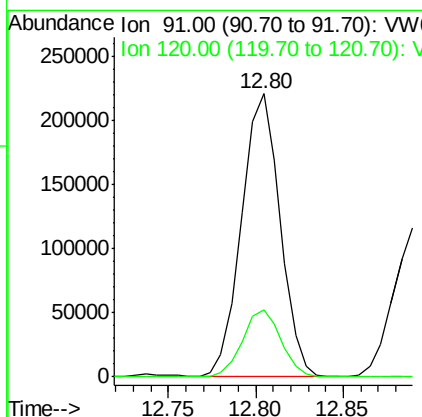
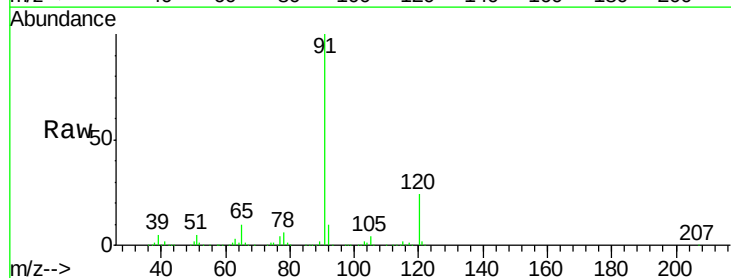
Manual Integrations
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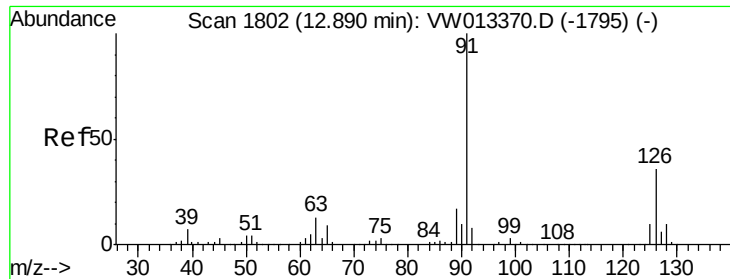
MMDadoda
10/4/2019 12:11:08 PM



#78
n-propylbenzene
Concen: 21.761 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.206 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBS02

Tot Ion: 91 Resp: 183460

Ion Ratio Lower Upper

91 100

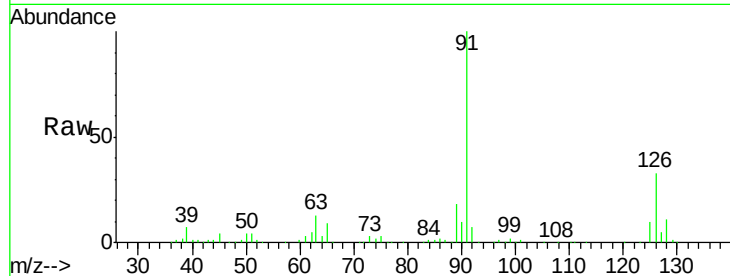
126 35.1 17.2 51.5

Manual Integrations

APPROVED

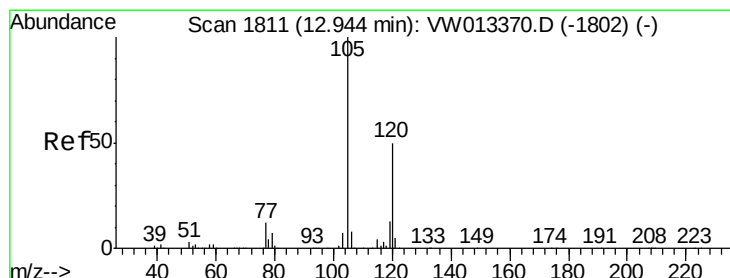
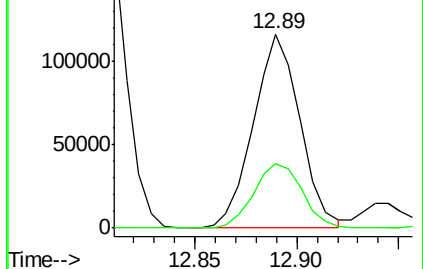
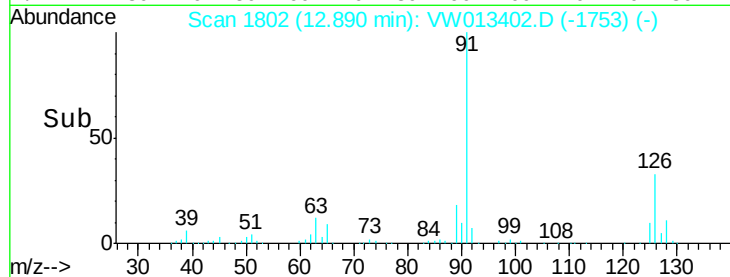
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.209 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW013402.D

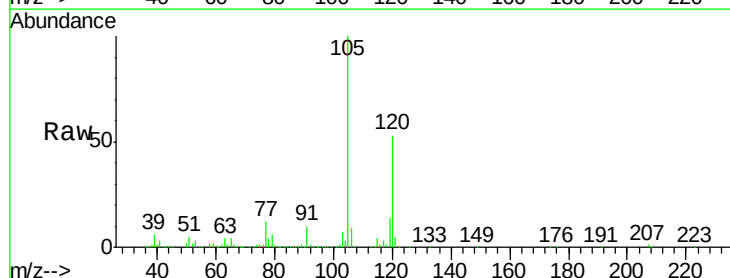
Acq: 03 Oct 2019 03:44

Tgt Ion:105 Resp: 238574

Ion Ratio Lower Upper

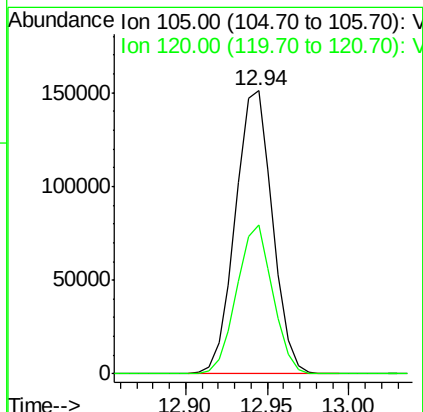
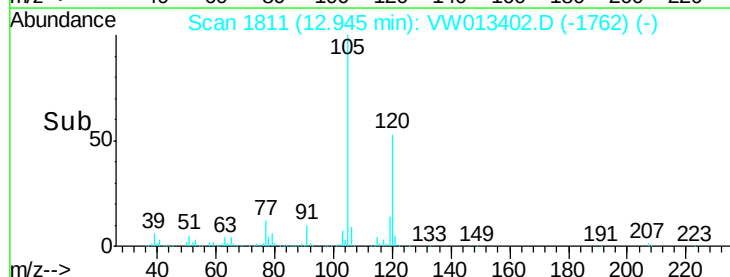
105 100

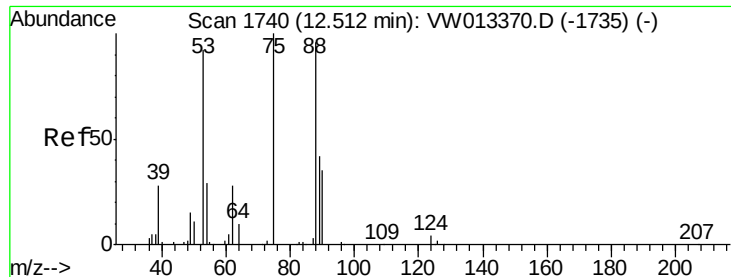
120 51.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





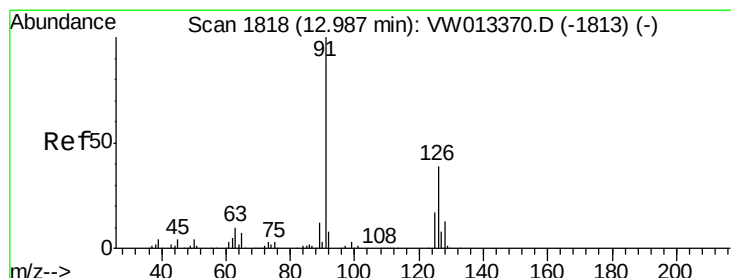
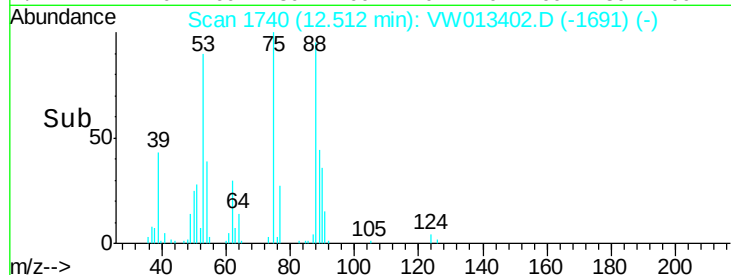
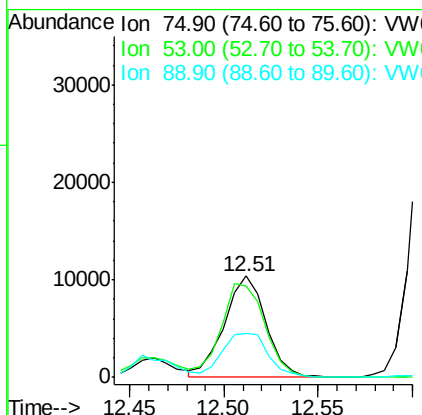
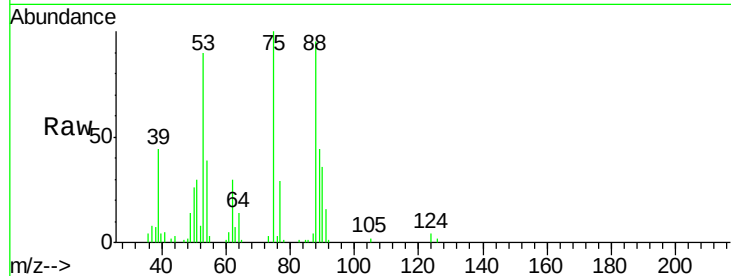
#81
trans-1,4-Dichloro-2-butene
Concen: 23.042 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	76.6	114.8
89	47.6	33.5	50.3

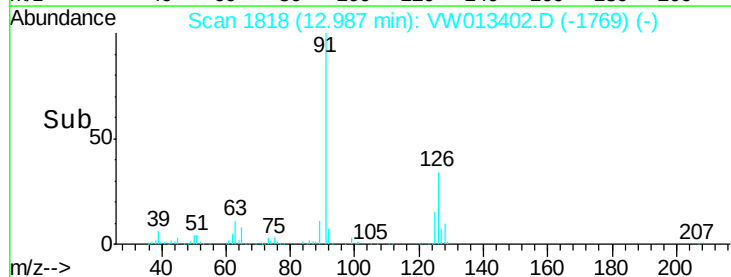
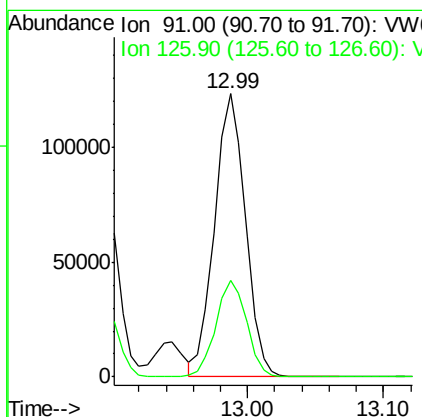
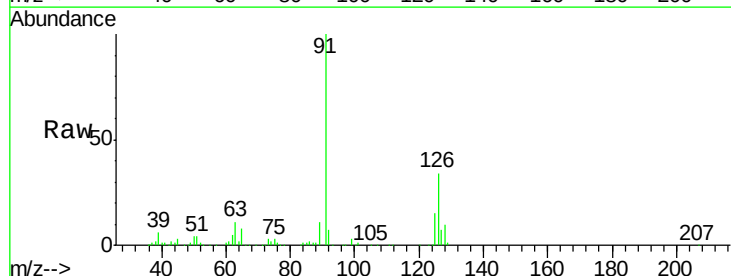
Manual Integrations
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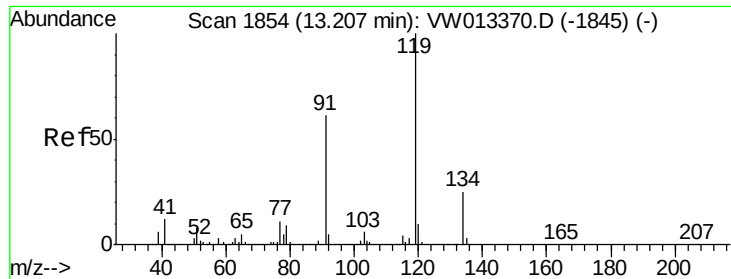
MMDadoda
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#82
4-Chlorotoluene
Concen: 21.344 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	17.3	51.7





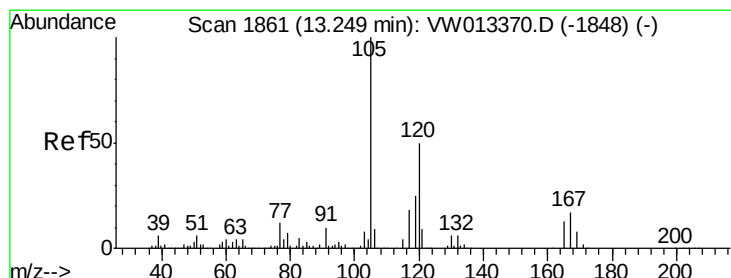
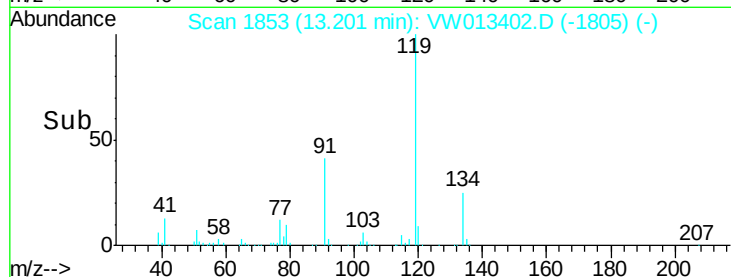
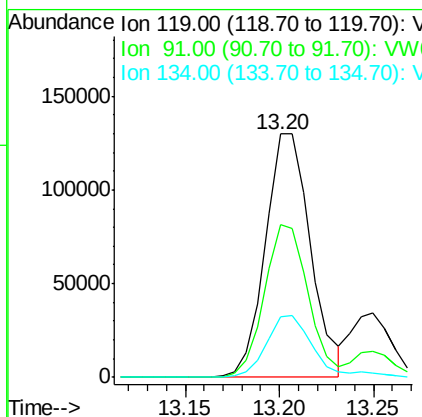
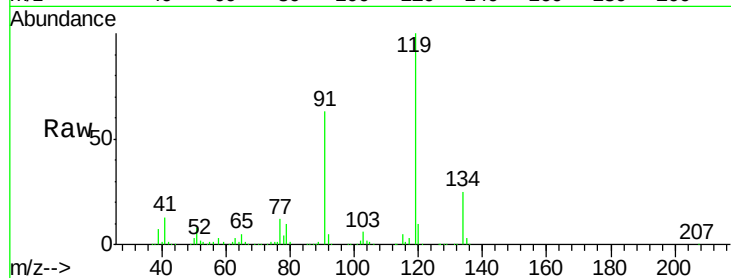
#83
tert-Butylbenzene
Concen: 22.067 ug/l
RT: 13.20 min Scan# 1853
Delta R.T. -0.01 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.5	30.7	92.1
134	26.6	12.6	37.6

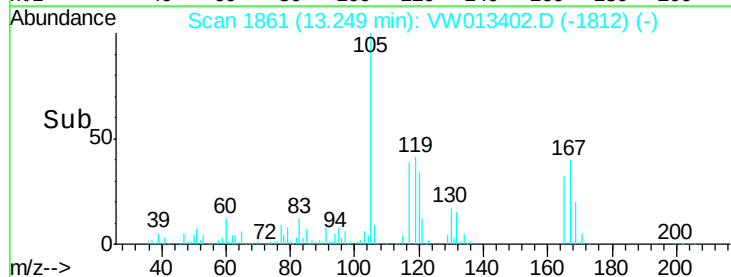
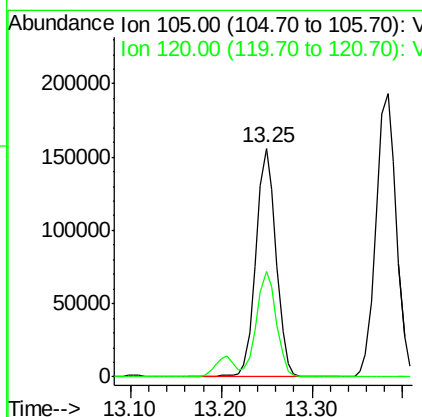
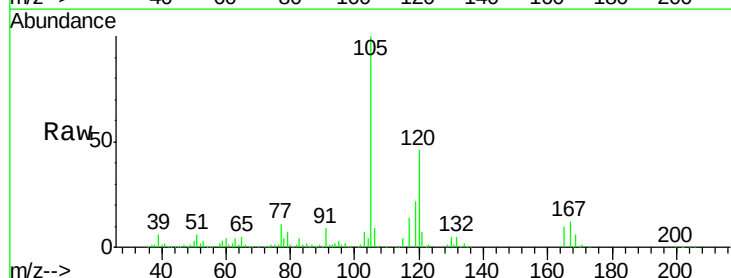
Manual Integrations
APPROVED

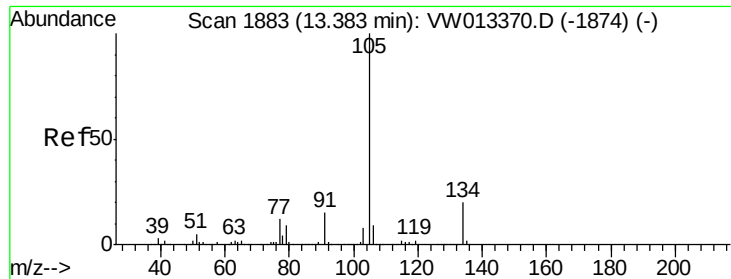
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#84
1,2,4-Trimethylbenzene
Concen: 21.428 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.4	70.3





#85

sec-Butylbenzene

Concen: 22.115 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

ClientSampleId :

VW1002SBSD02

Tot Ion:105 Resp: 299582

Ion Ratio Lower Upper

105 100

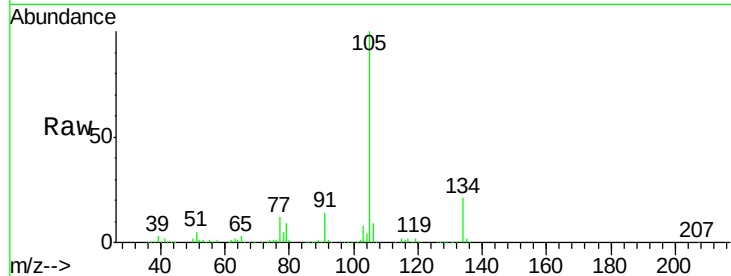
134 20.4 10.3 30.8

Manual Integrations

APPROVED

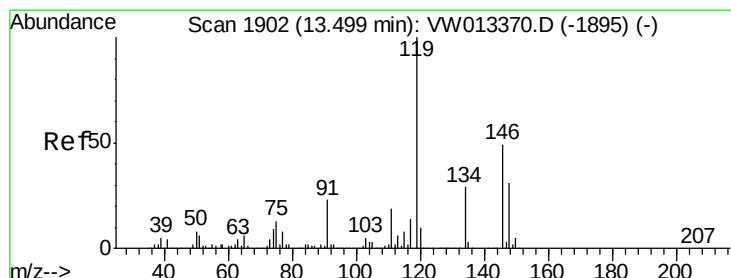
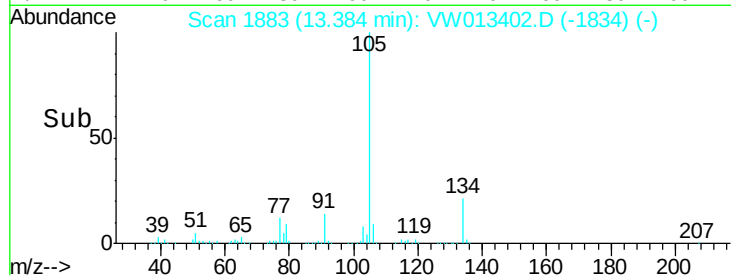
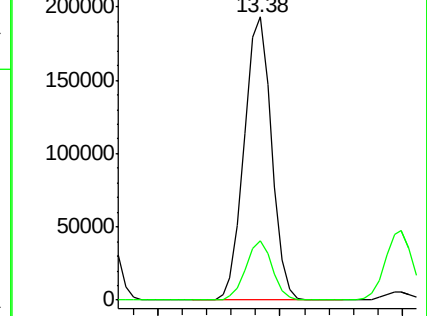
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.711 ug/l

RT: 13.49 min Scan# 1901

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

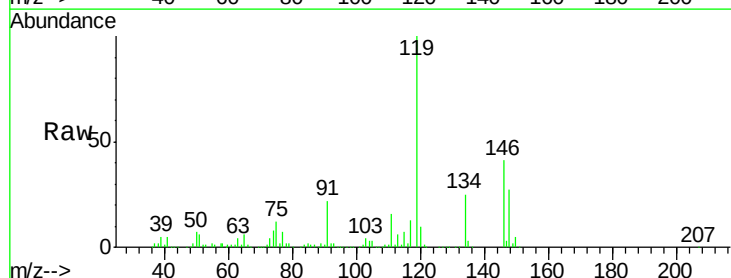
Tgt Ion:119 Resp: 272560

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

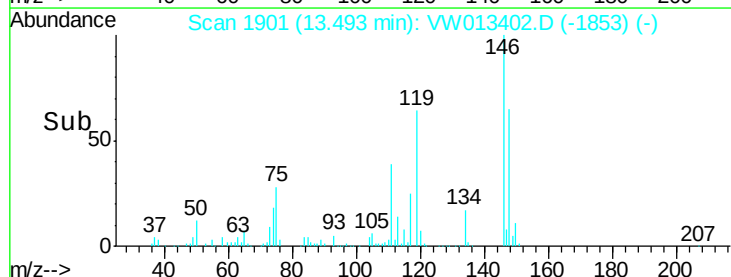
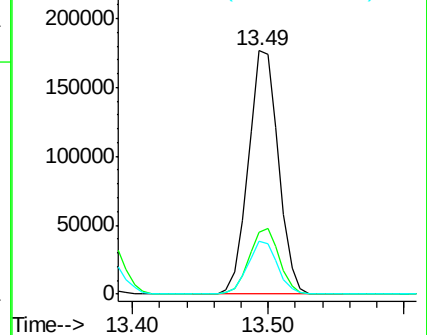
91 21.6 10.8 32.4

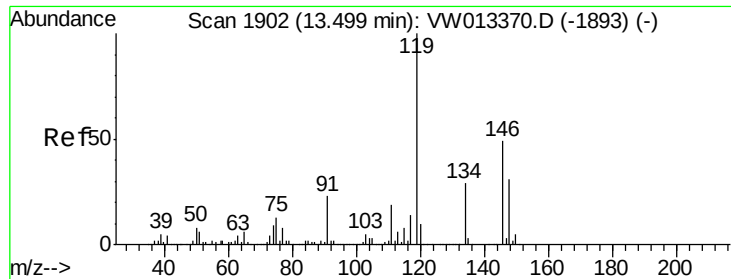


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW





#87

1,3-Dichlorobenzene

Concen: 20.828 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

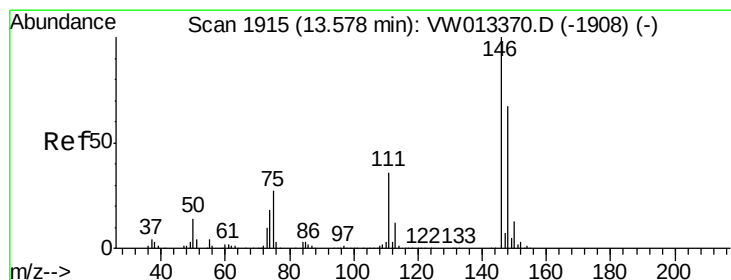
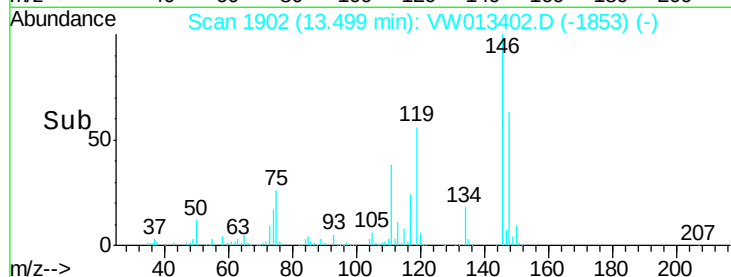
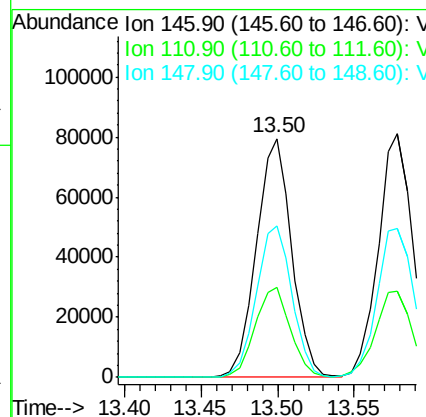
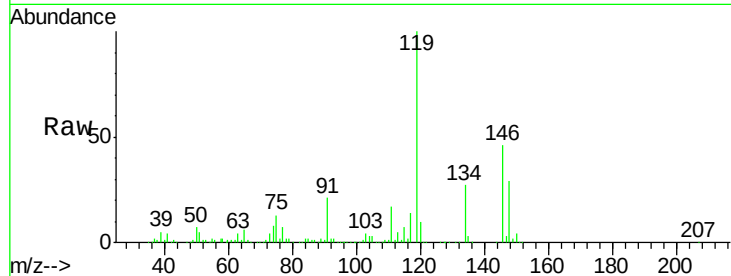
Instrument :
MSVOA_W

ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.9	56.9
148	64.1	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 20.634 ug/l

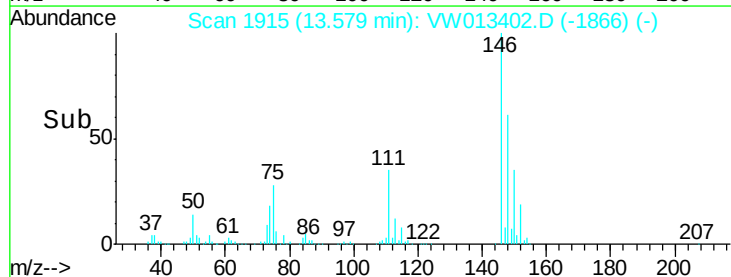
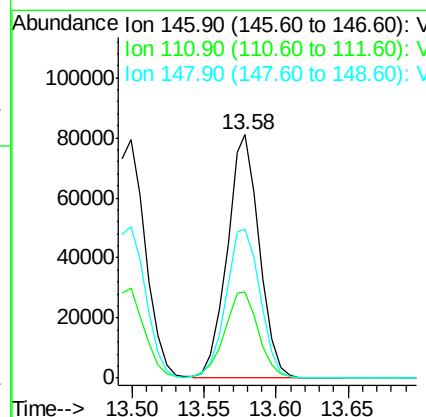
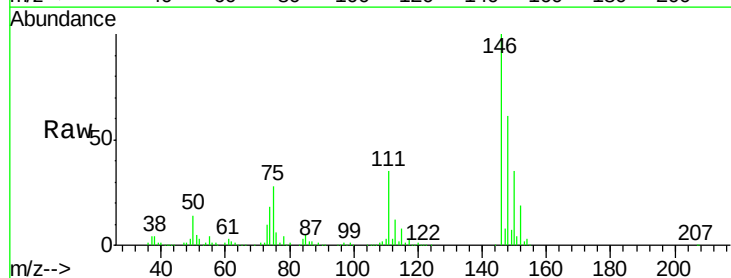
RT: 13.58 min Scan# 1915

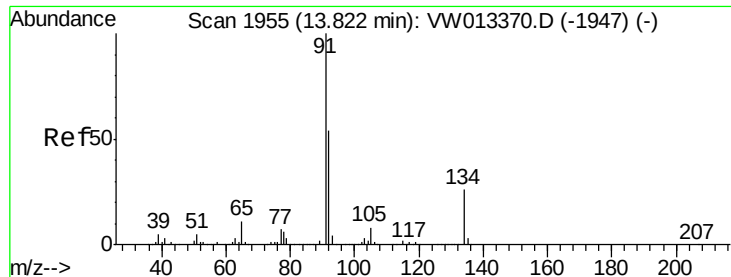
Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.4	55.0
148	65.2	32.1	96.3





#89

n-Butylbenzene

Concen: 21.035 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

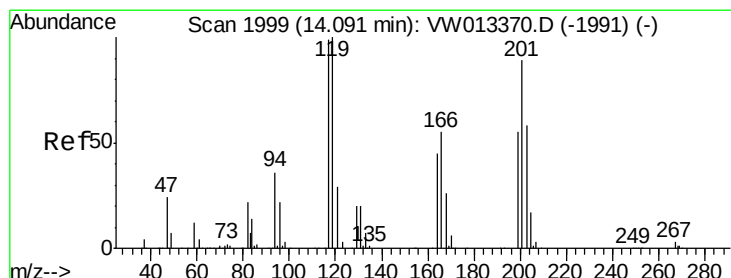
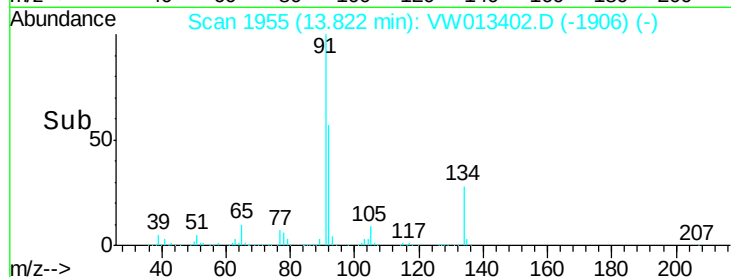
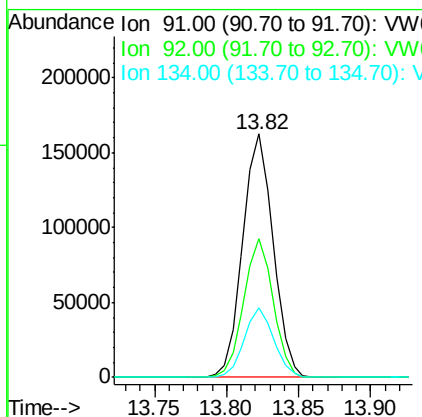
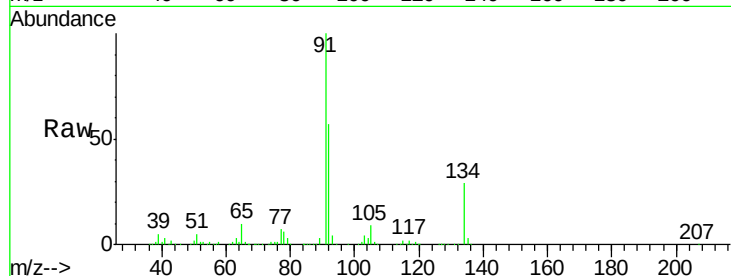
ClientSampleId :

VW1002SBSD02

Tot Ion:	91	Resp:	238075
Ion Ratio	Lower	Upper	
91	100		
92	55.1	27.6	82.8
134	27.7	13.7	41.1

Manual Integrations
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#90

Hexachloroethane

Concen: 21.293 ug/l

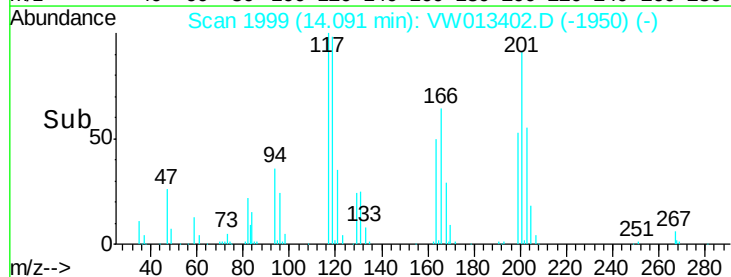
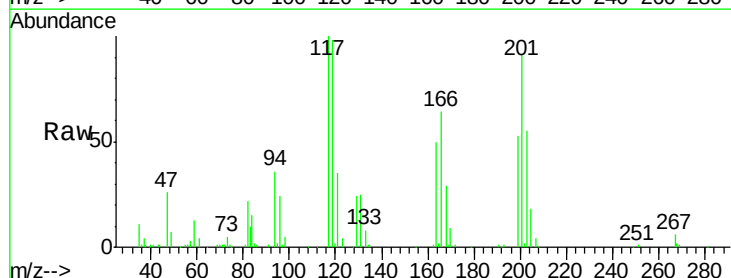
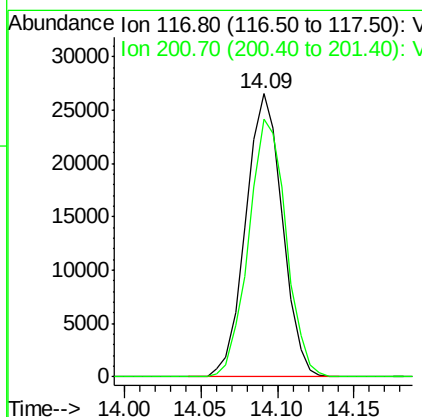
RT: 14.09 min Scan# 1999

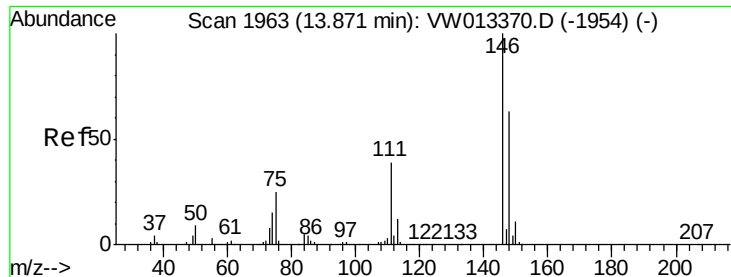
Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	117	Resp:	44164
Ion Ratio	Lower	Upper	
117	100		
201	93.1	44.5	133.5





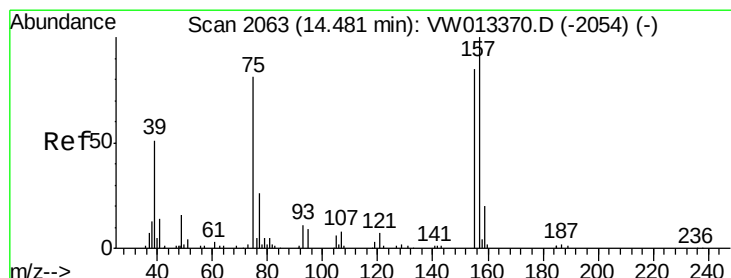
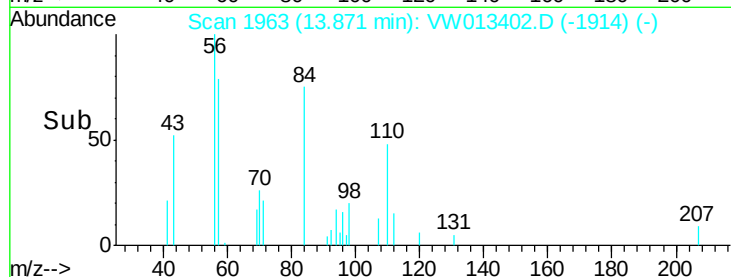
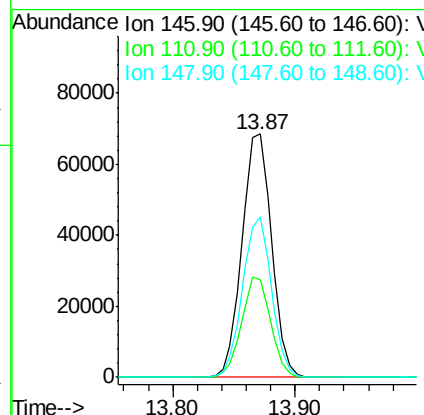
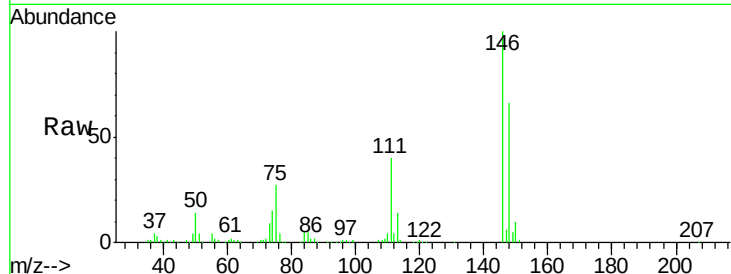
#91
 1,2-Dichlorobenzene
 Concen: 21.278 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1002SBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.1	60.3
148	64.6	32.0	96.0

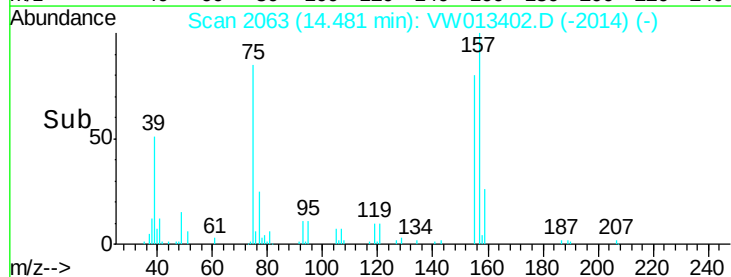
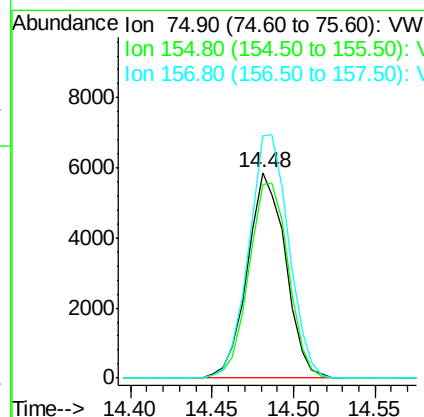
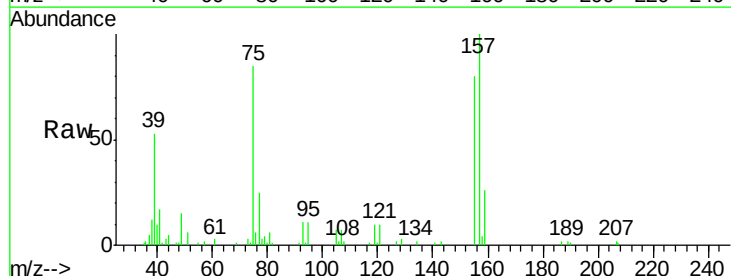
Manual Integrations
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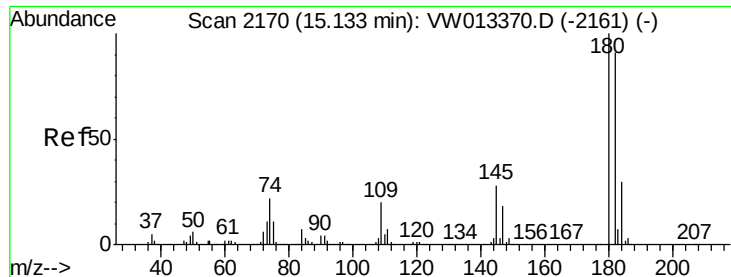
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 27.884 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW013402.D
 Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	46.1	138.3
157	124.1	60.4	181.2





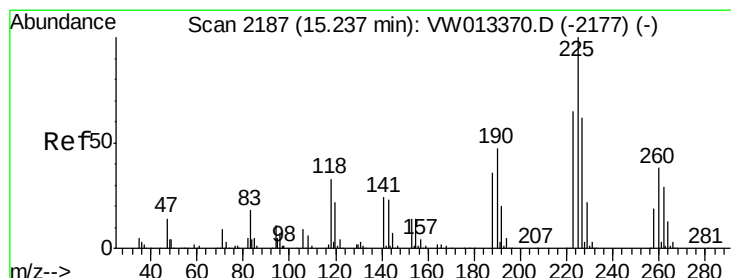
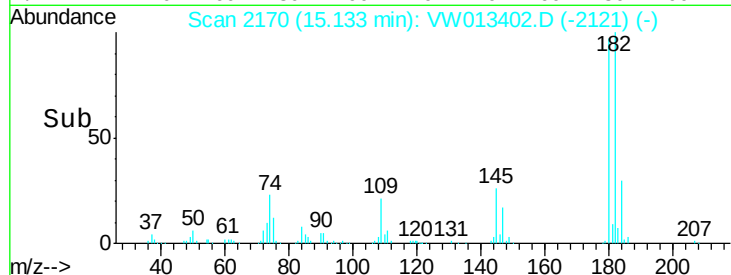
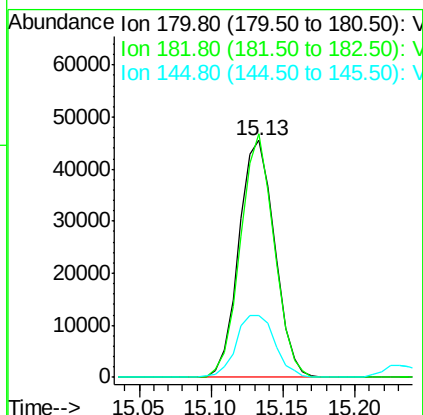
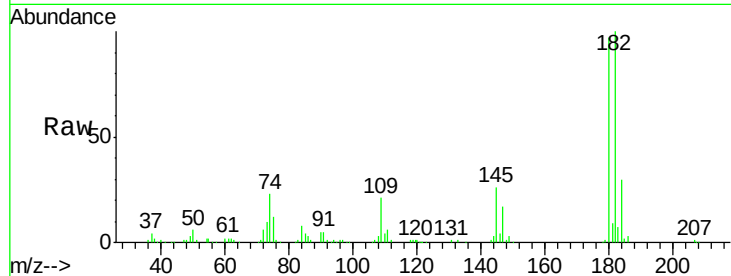
#93
1,2,4-Trichlorobenzene
Concen: 20.147 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Instrument :
MSVOA_W
ClientSampleId :
VW1002SBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.3	142.0
145	28.5	14.2	42.8

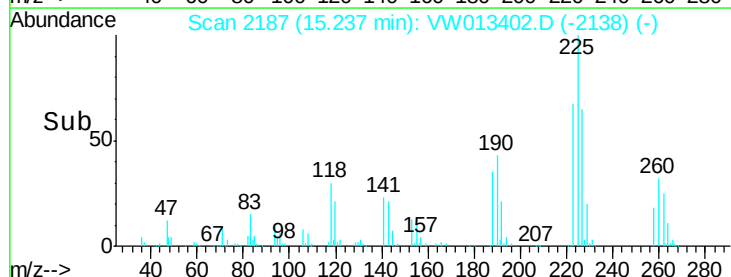
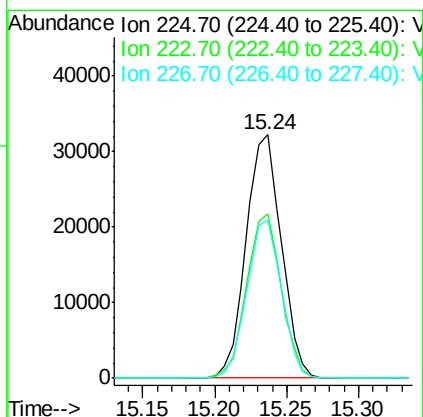
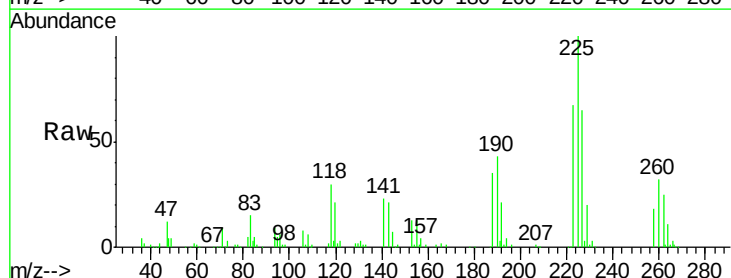
Manual Integrations
APPROVED

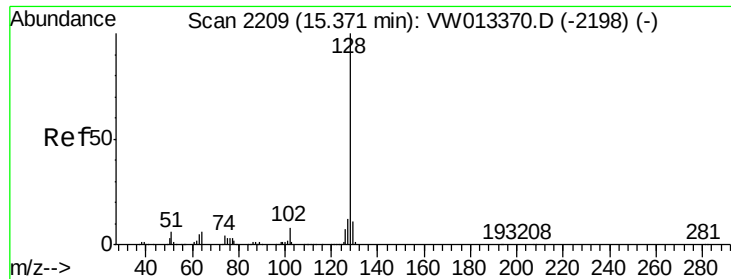
MMDadoda
10/4/2019 12:11:08 PM



#94
Hexachlorobutadiene
Concen: 21.599 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.00 min
Lab File: VW013402.D
Acq: 03 Oct 2019 03:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.1	30.6	91.8
227	63.9	31.9	95.9





#95

Naphthalene

Concen: 24.076 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Instrument :

MSVOA_W

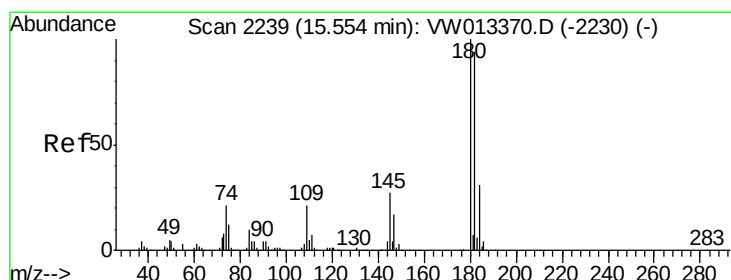
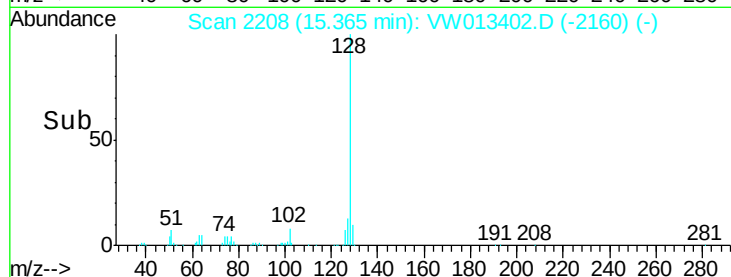
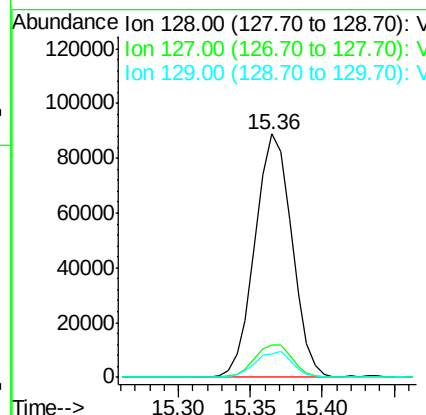
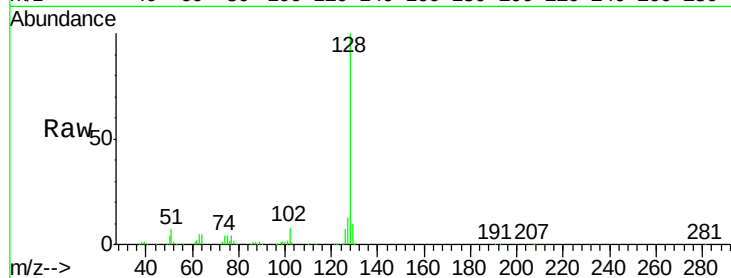
ClientSampleId :

VW1002SBSD02

Tot Ion:	128	Resp:	157613
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/4/2019 12:11:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.006 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW013402.D

Acq: 03 Oct 2019 03:44

Tgt Ion:	180	Resp:	71176
Ion Ratio	Lower	Upper	
180	100		
182	95.7	47.9	143.7
145	29.7	15.0	45.0

