

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW040419\
 Data File : VW009690.D
 Acq On : 04 Apr 2019 12:22
 Operator : SY/VA
 Sample : VW0404SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBS01

Manual Integrations
 APPROVED

mohammad
 4/5/2019 3:51:03 PM

Quant Time: Apr 05 08:12:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	324896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	513180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	464592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	245753	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	199461	53.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.38%	
35) Dibromofluoromethane	7.88	113	163556	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.32	98	613822	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
62) 4-Bromofluorobenzene	12.62	95	230771	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	50426	24.027	ug/l	99
3) Chloromethane	2.21	50	51038	18.648	ug/l	98
4) Vinyl Chloride	2.37	62	74973	20.510	ug/l	98
5) Bromomethane	2.78	94	55010	19.506	ug/l	87
6) Chloroethane	2.92	64	53602	19.801	ug/l	97
7) Trichlorofluoromethane	3.26	101	47413	18.984	ug/l	99
8) Diethyl Ether	3.67	74	38058	22.694	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.05	101	74978	22.375	ug/l	96
10) Methyl Iodide	4.26	142	99749	21.816	ug/l	94
11) Tert butyl alcohol	5.18	59	25221	117.081	ug/l	100
12) 1,1-Dichloroethene	4.03	96	67512	21.528	ug/l	97
13) Acrolein	3.88	56	15306	96.875	ug/l	92
14) Allyl chloride	4.66	41	115692	23.066	ug/l	97
15) Acrylonitrile	5.37	53	83891	109.438	ug/l	99
16) Acetone	4.12	43	101817	121.889	ug/l	89
17) Carbon Disulfide	4.37	76	193215	21.653	ug/l	98
18) Methyl Acetate	4.67	43	38954	19.292	ug/l	100
19) Methyl tert-butyl Ether	5.42	73	103523	23.736	ug/l	100
20) Methylene Chloride	4.91	84	81683	22.817	ug/l #	89
21) trans-1,2-Dichloroethene	5.41	96	73080	21.949	ug/l	87
22) Diisopropyl ether	6.31	45	245904	22.701	ug/l	99
23) Vinyl Acetate	6.25	43	771494	114.167	ug/l	100
24) 1,1-Dichloroethane	6.21	63	141658	21.727	ug/l	98
25) 2-Butanone	7.17	43	127401	110.368	ug/l	100
26) 2,2-Dichloropropane	7.16	77	85457	22.926	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	80951	22.263	ug/l	97
28) Bromochloromethane	7.50	49	58695	20.776	ug/l	92
29) Tetrahydrofuran	7.53	42	77414	108.005	ug/l	98
30) Chloroform	7.67	83	147060	21.778	ug/l	99
31) Cyclohexane	7.95	56	130797	21.399	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	120316	22.009	ug/l	96
36) 1,1-Dichloropropene	8.08	75	113161	21.319	ug/l	99
37) Ethyl Acetate	7.26	43	55925	22.177	ug/l	100
38) Carbon Tetrachloride	8.07	117	116705	21.457	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	126880	20.926	ug/l	93
40) Benzene	8.32	78	308034	21.425	ug/l	99
41) Methacrylonitrile	7.48	41	31815	21.775	ug/l	94
42) 1,2-Dichloroethane	8.40	62	106533	21.735	ug/l	98
43) Isopropyl Acetate	8.43	43	105228	21.292	ug/l	98
44) Trichloroethene	9.09	130	78695	21.142	ug/l	100
45) 1,2-Dichloropropane	9.37	63	78731	21.394	ug/l	99
46) Dibromomethane	9.46	93	41622	20.878	ug/l	97
47) Bromodichloromethane	9.64	83	107204	21.081	ug/l	96
48) Methyl methacrylate	9.43	41	49050	21.172	ug/l	96
49) 1,4-Dioxane	9.44	88	12359	416.293	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	278518	105.330	ug/l	99
52) Toluene	10.38	92	194897	21.646	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	105366	21.161	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	119075	21.568	ug/l	94
55) 1,1,2-Trichloroethane	10.79	97	57822	21.458	ug/l	96
56) Ethyl methacrylate	10.65	69	70897	21.351	ug/l	97
57) 1,3-Dichloropropane	10.93	76	103075	21.579	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.93	63	166466	103.284	ug/l	98
59) 2-Hexanone	10.97	43	196775	107.527	ug/l	100
60) Dibromochloromethane	11.13	129	67670	20.797	ug/l	99
61) 1,2-Dibromoethane	11.23	107	55541	21.494	ug/l	99
64) Tetrachloroethene	10.86	164	68029	21.566	ug/l	98
65) Chlorobenzene	11.66	112	213057	21.774	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	75347	21.134	ug/l	99
67) Ethyl Benzene	11.73	91	381144	22.109	ug/l	96
68) m/p-Xylenes	11.84	106	290673	44.406	ug/l	99
69) o-Xylene	12.16	106	133715	21.935	ug/l	98
70) Styrene	12.18	104	219168	21.525	ug/l	99
71) Bromoform	12.35	173	39670	20.676	ug/l #	100
73) Isopropylbenzene	12.46	105	383331	22.414	ug/l	100
74) N-amyl acetate	12.27	43	100208	22.226	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	68361	21.136	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	49031m	21.216	ug/l	
77) Bromobenzene	12.75	156	84986	21.578	ug/l	97
78) n-propylbenzene	12.80	91	475060	22.526	ug/l	100
79) 2-Chlorotoluene	12.90	91	266757	22.257	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	322938	22.422	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	21158	21.290	ug/l	96
82) 4-Chlorotoluene	12.99	91	284433	22.550	ug/l	98
83) tert-Butylbenzene	13.21	119	275300	22.454	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	336703	22.740	ug/l	99
85) sec-Butylbenzene	13.38	105	410345	22.184	ug/l	99
86) p-Isopropyltoluene	13.50	119	356634	22.167	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	178720	21.977	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	176395	21.717	ug/l	99
89) n-Butylbenzene	13.83	91	350537	22.073	ug/l	99
90) Hexachloroethane	14.10	117	64554	20.953	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	158388	21.781	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	12205	20.671	ug/l	97

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ClientSampleId :
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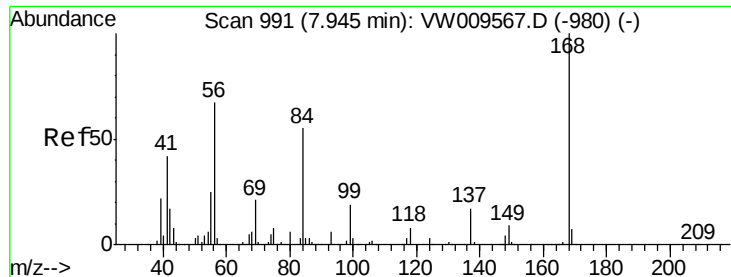
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	103203	22.038	ug/l	98
94) Hexachlorobutadiene	15.24	225	62980	20.941	ug/l	99
95) Naphthalene	15.37	128	184042	21.006	ug/l	100
96) 1,2,3-Trichlorobenzene	15.56	180	90226	21.565	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: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion:168 Resp: 324896

Ion Ratio Lower Upper

168 100

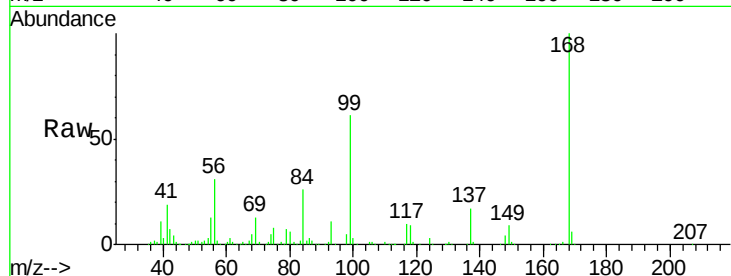
99 60.9 45.4 68.0

Manual Integrations

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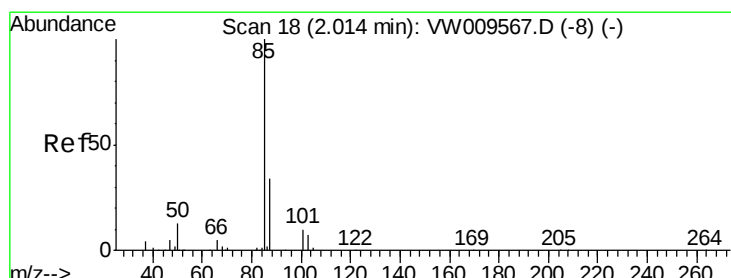
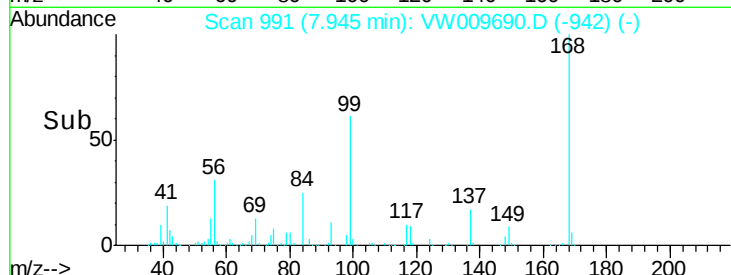
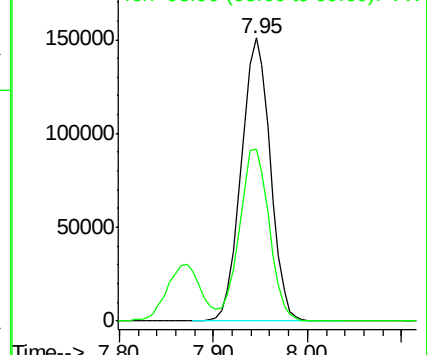
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 24.027 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009690.D

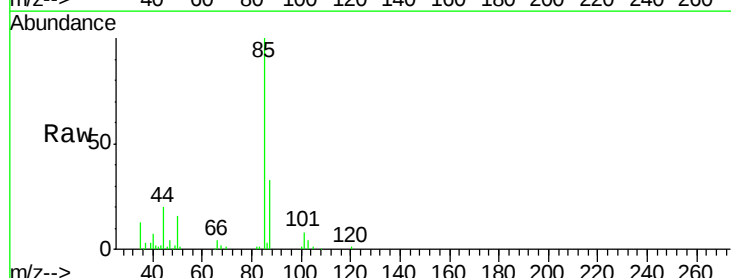
Acq: 04 Apr 2019 12:22

Tgt Ion: 85 Resp: 50426

Ion Ratio Lower Upper

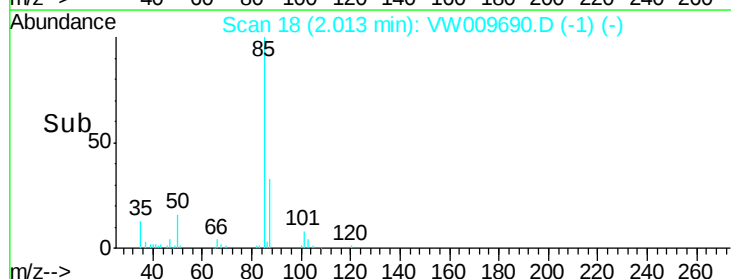
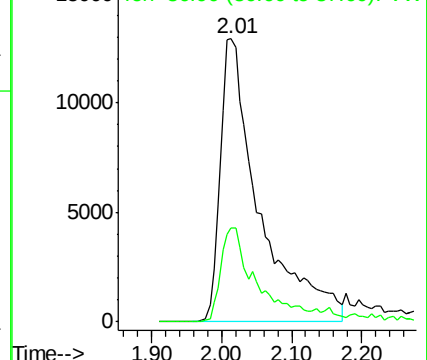
85 100

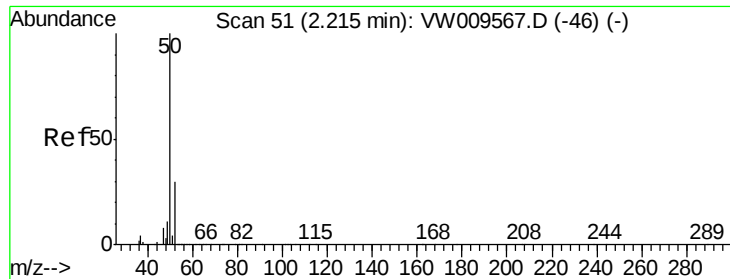
87 33.0 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 18.648 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion: 50 Resp: 51038

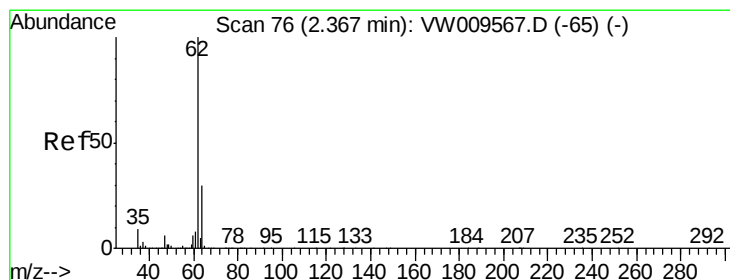
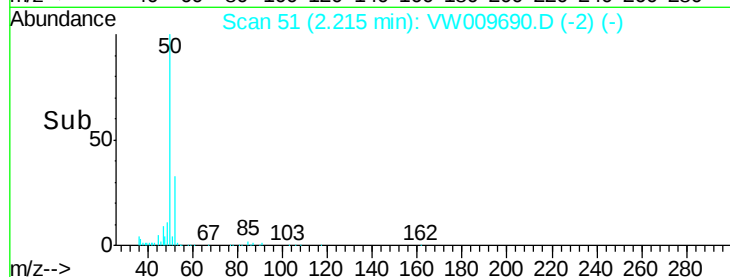
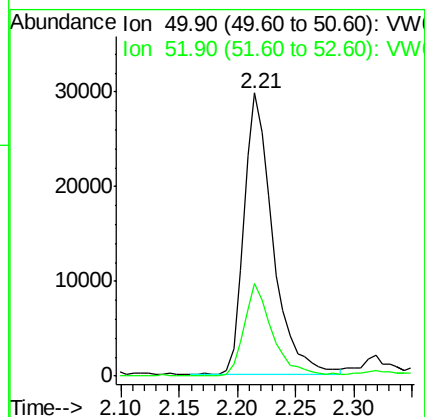
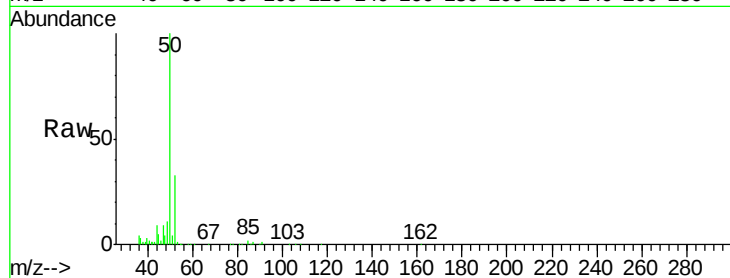
Ion Ratio Lower Upper

50 100

52 32.9 27.2 40.8

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#4

Vinyl Chloride

Concen: 20.510 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW009690.D

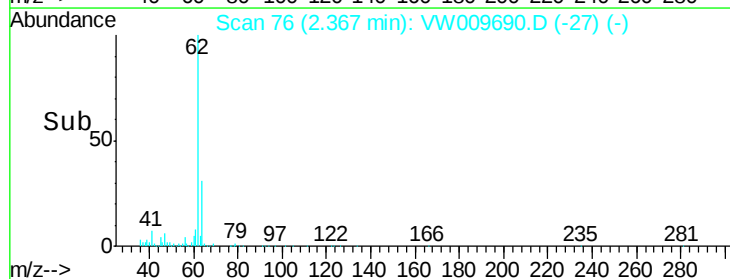
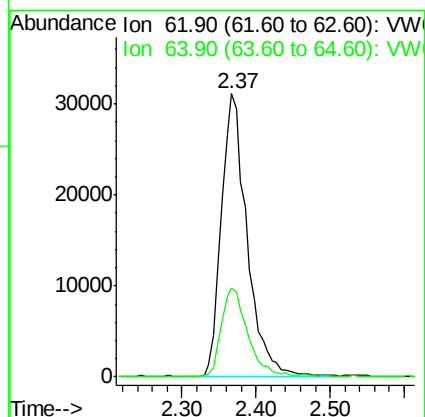
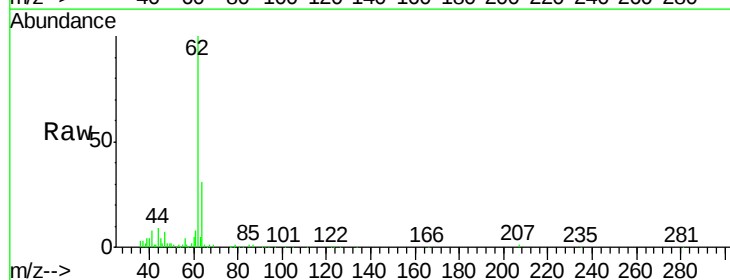
Acq: 04 Apr 2019 12:22

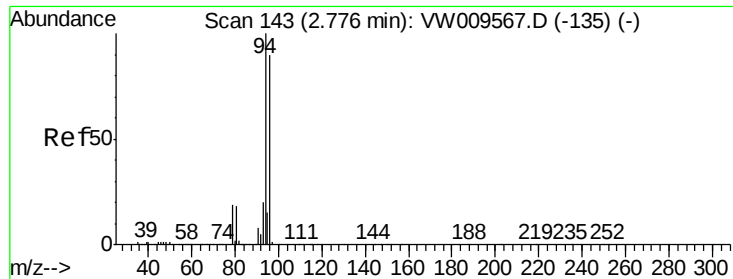
Tgt Ion: 62 Resp: 74973

Ion Ratio Lower Upper

62 100

64 31.4 26.2 39.2





#5

Bromomethane

Concen: 19.506 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion: 94 Resp: 55010

Ion Ratio Lower Upper

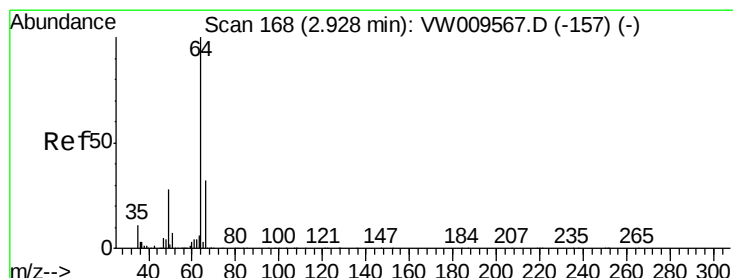
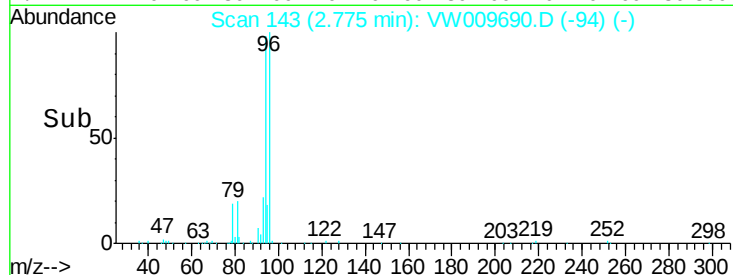
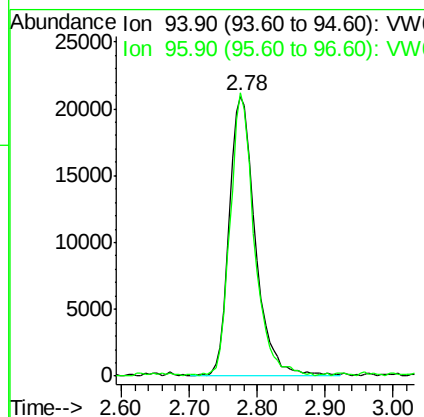
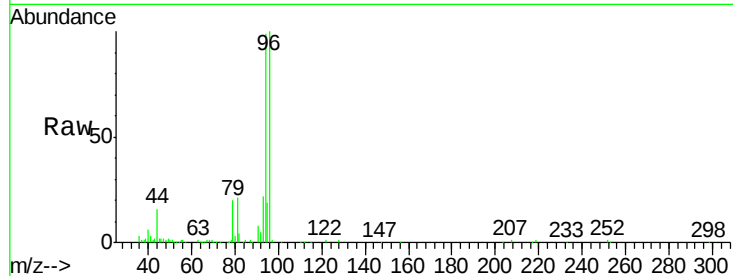
94 100

96 101.1 71.4 107.2

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#6

Chloroethane

Concen: 19.801 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW009690.D

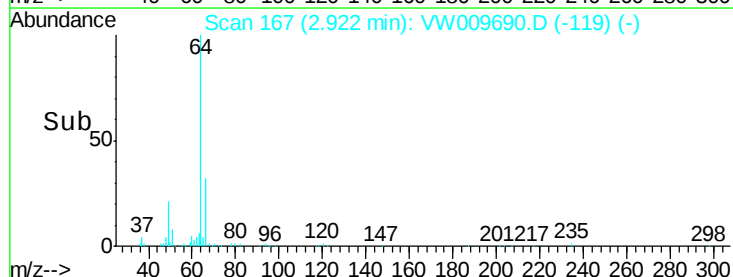
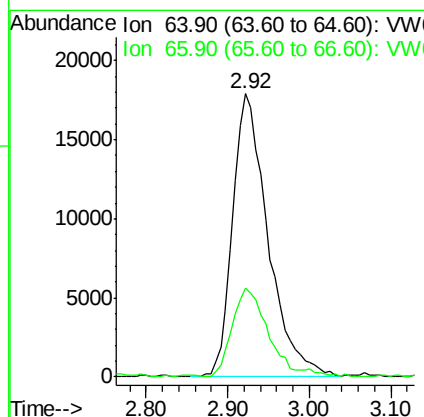
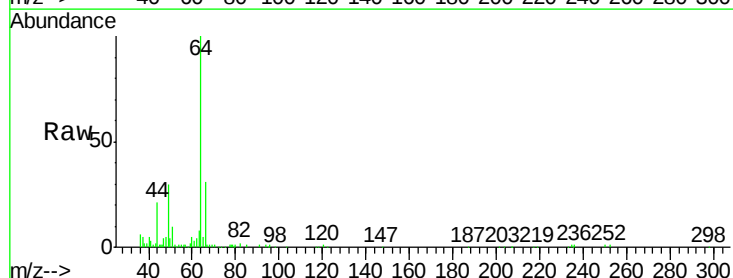
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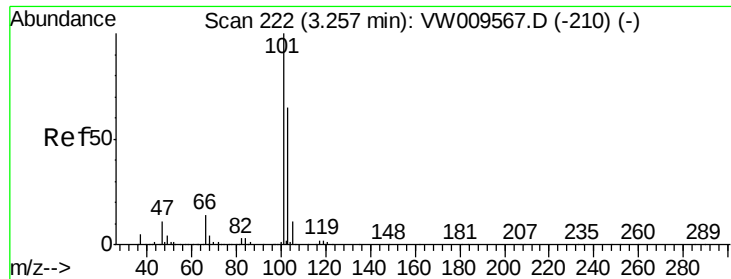
Tgt Ion: 64 Resp: 53602

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.2





#7

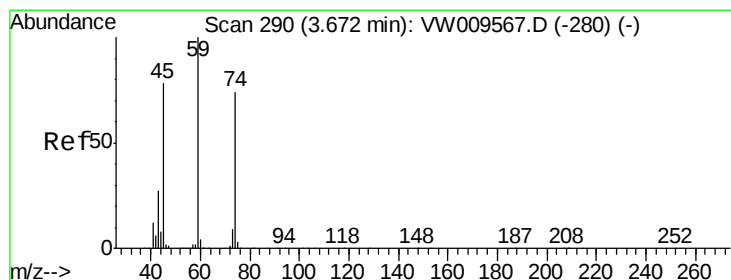
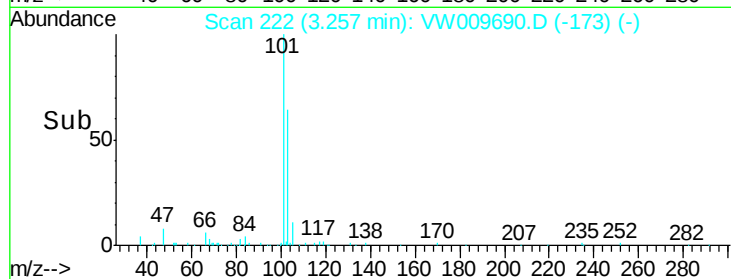
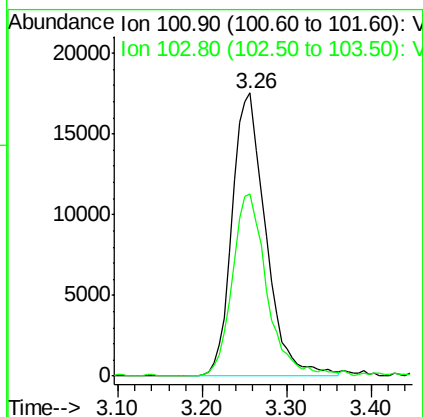
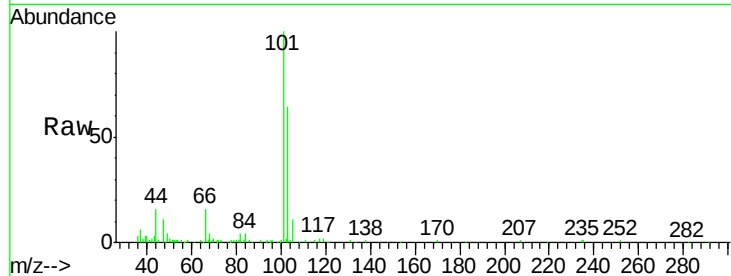
Trichlorofluoromethane
 Concen: 18.984 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

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 VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.5	75.7

Manual Integrations
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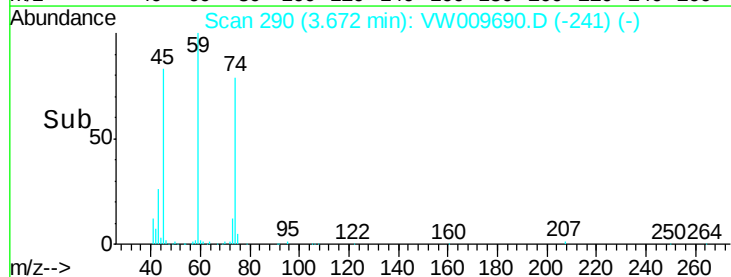
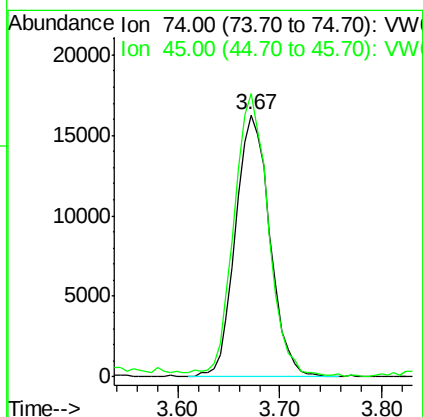
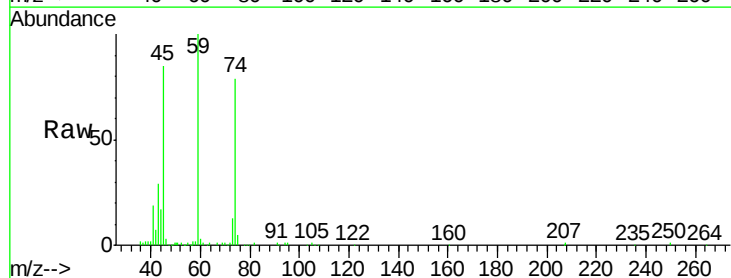
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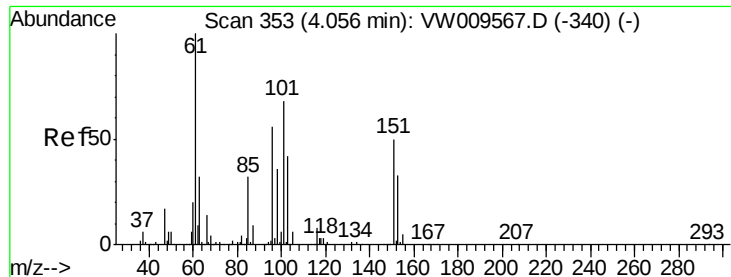


#8

Diethyl Ether
 Concen: 22.694 ug/l
 RT: 3.67 min Scan# 290
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.9	50.6	151.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.375 ug/l

RT: 4.05 min Scan# 352

Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

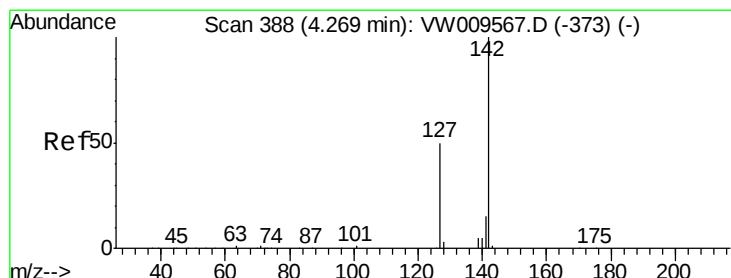
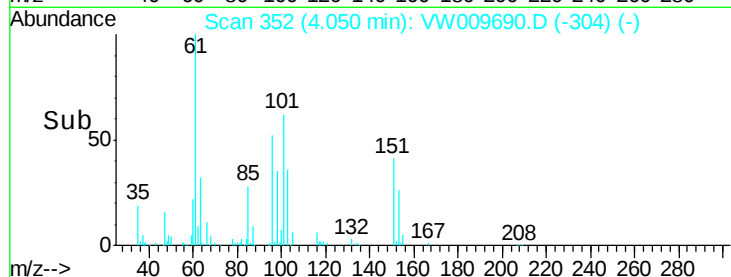
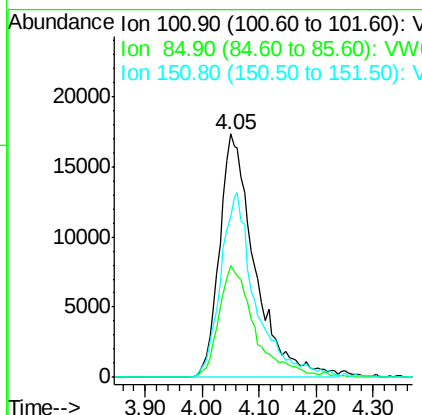
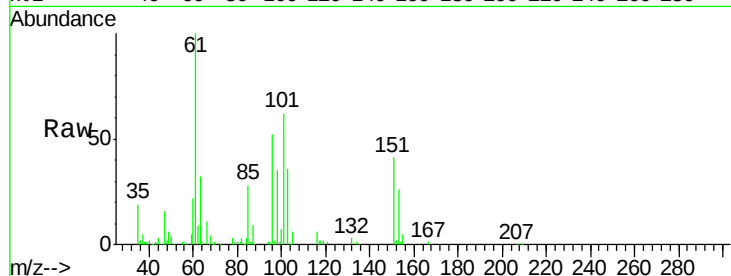
ClientSampleId :

VW0404SBSD01

Tot Ion:	101	Resp:	74978
Ion Ratio	Lower	Upper	
101	100		
85	45.8	35.1	52.7
151	74.7	62.9	94.3

Manual Integrations
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#10

Methyl Iodide

Concen: 21.816 ug/l

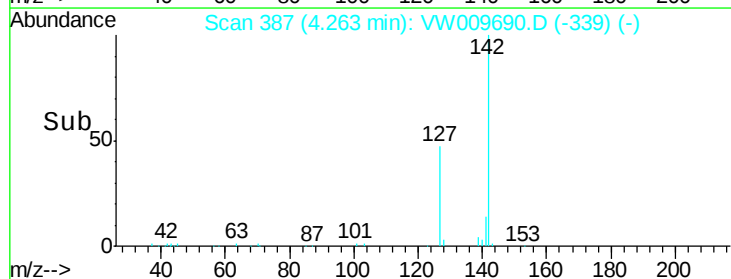
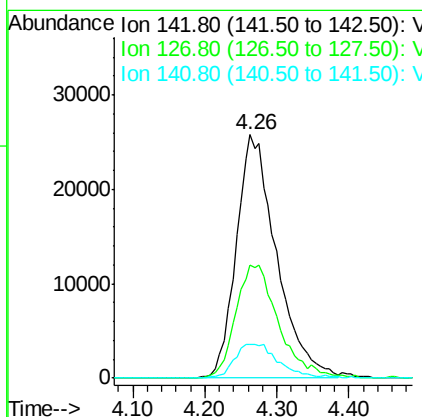
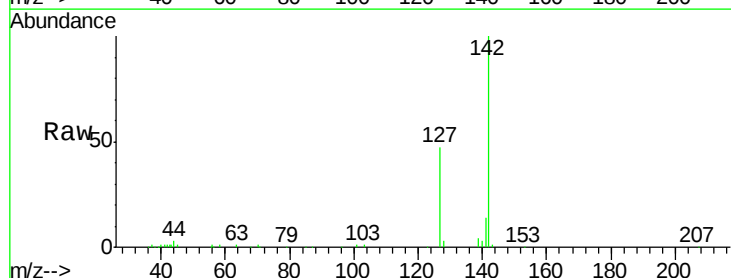
RT: 4.26 min Scan# 387

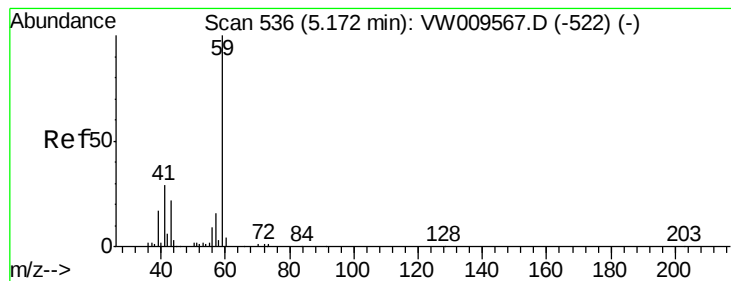
Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	142	Resp:	99749
Ion Ratio	Lower	Upper	
142	100		
127	49.7	35.9	53.9
141	15.4	11.4	17.2





#11

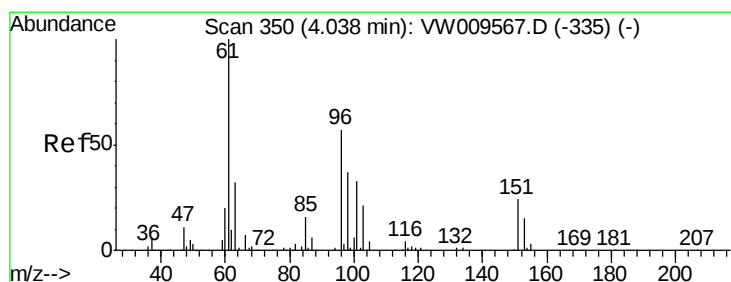
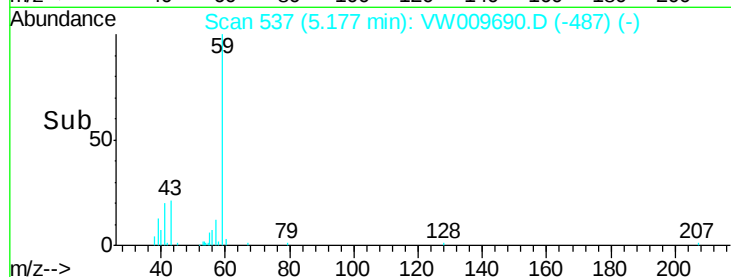
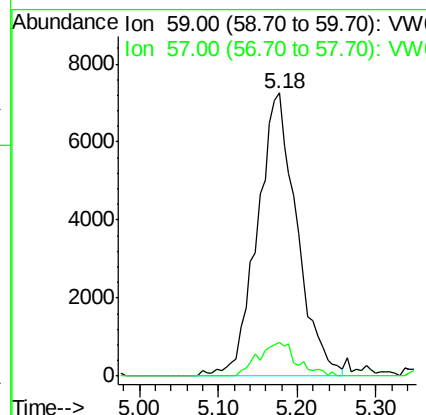
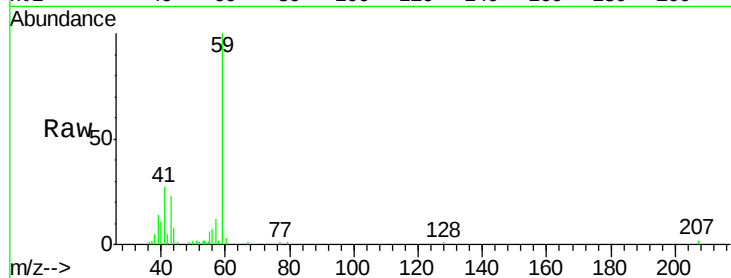
Tert butyl alcohol
Concen: 117.081 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	9.4	14.0

Manual Integrations
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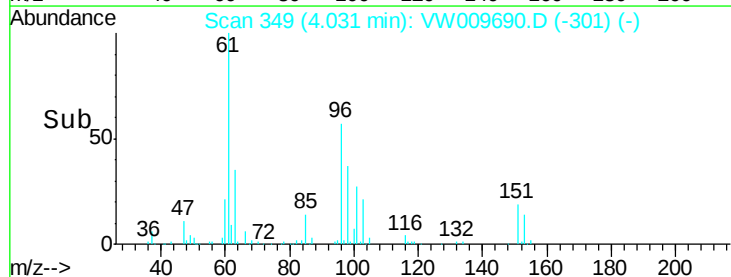
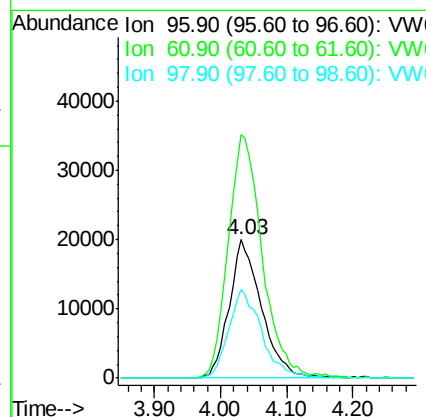
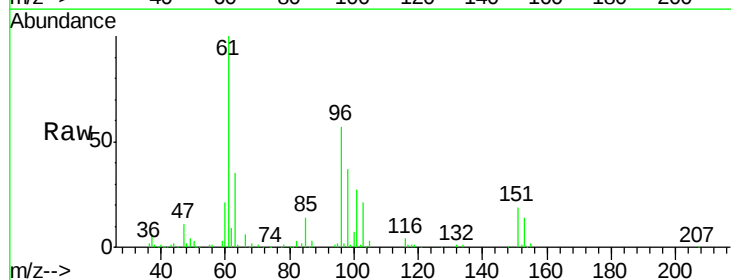
mohammad
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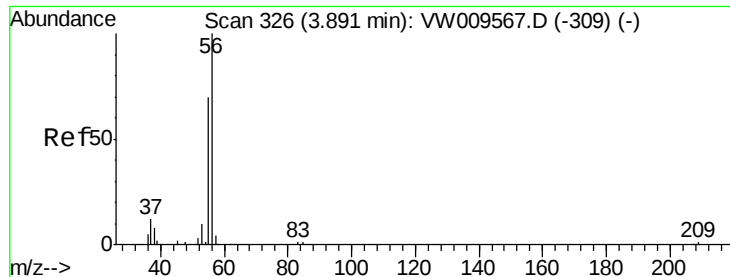


#12

1,1-Dichloroethene
Concen: 21.528 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.2	138.0	207.0
98	64.6	49.8	74.8





#13

Acrolein

Concen: 96.875 ug/l

RT: 3.88 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion: 56 Resp: 15306

Ion Ratio Lower Upper

56 100

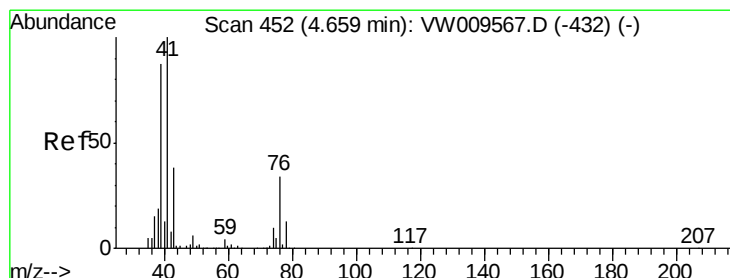
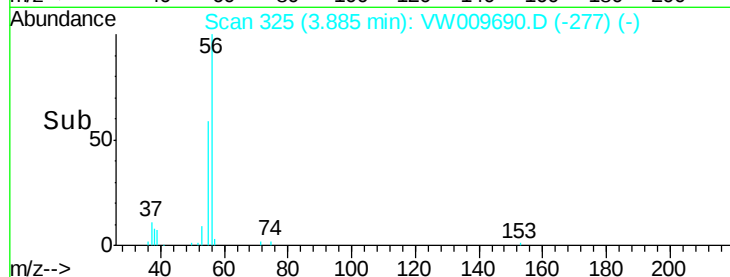
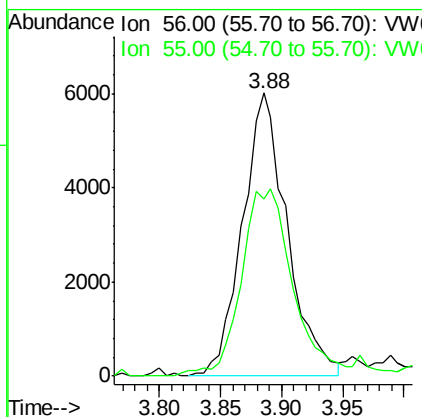
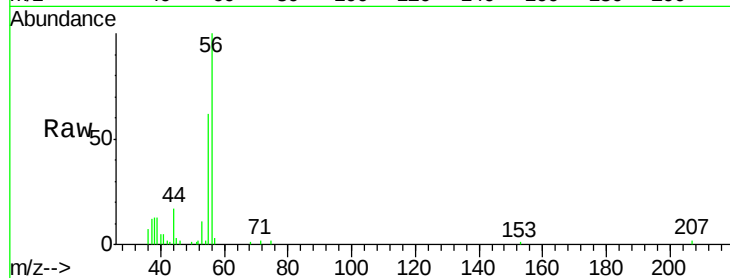
55 75.5 55.2 82.8

Manual Integrations

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mohammad

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#14

Allyl chloride

Concen: 23.066 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

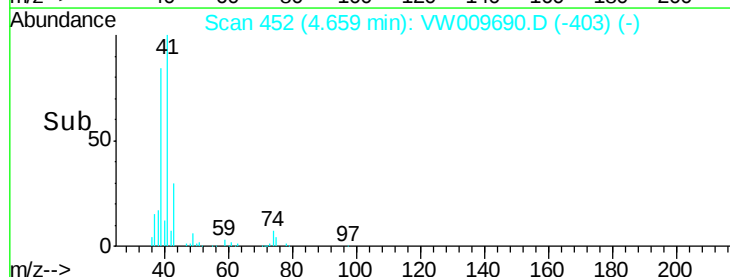
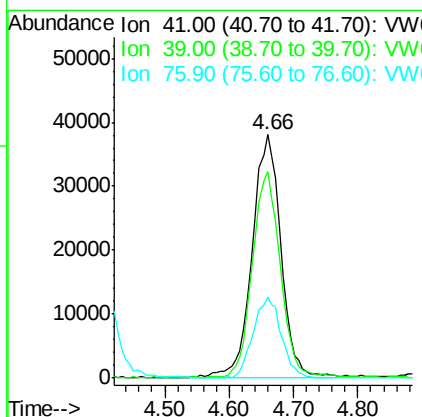
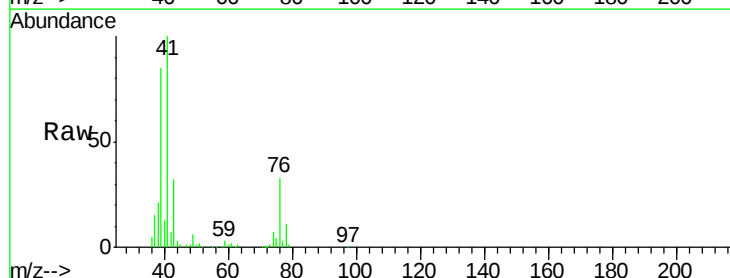
Tgt Ion: 41 Resp: 115692

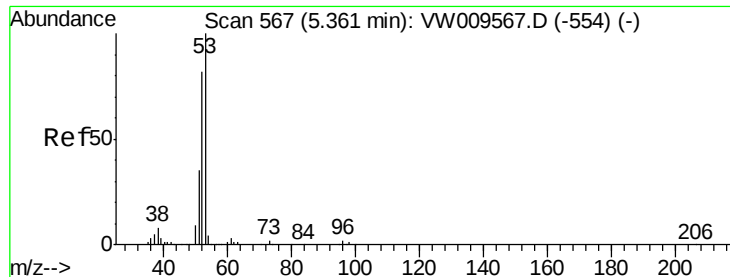
Ion Ratio Lower Upper

41 100

39 81.7 63.8 95.6

76 32.8 27.8 41.6





#15

Acrylonitrile

Concen: 109.438 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

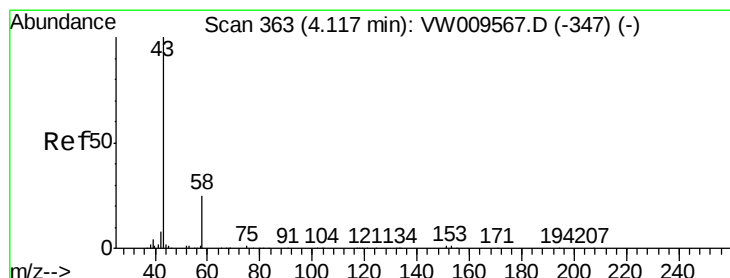
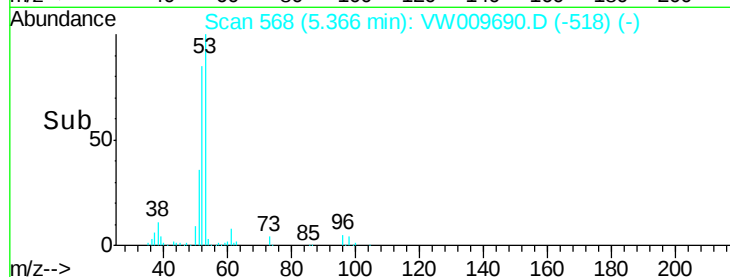
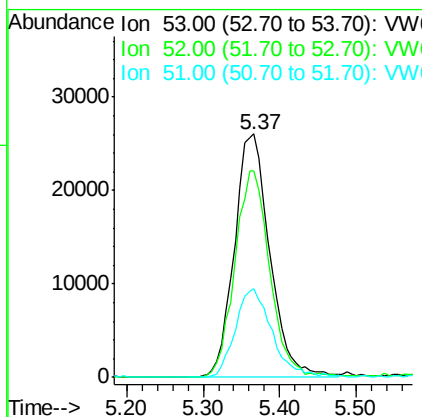
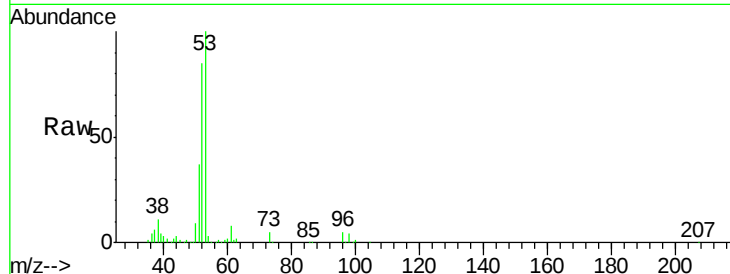
ClientSampleID :

VW0404SBSD01

Tot Ion:	53	Resp:	83891
Ion	Ratio	Lower	Upper
53	100		
52	83.9	67.6	101.4
51	37.5	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 121.889 ug/l

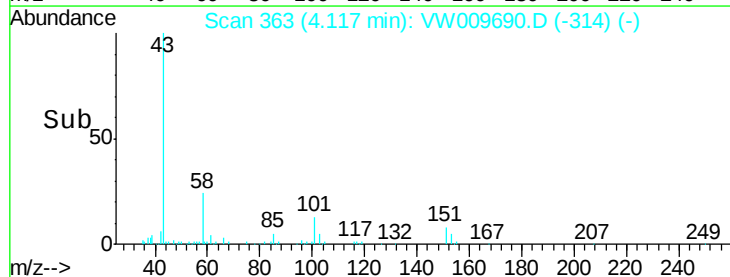
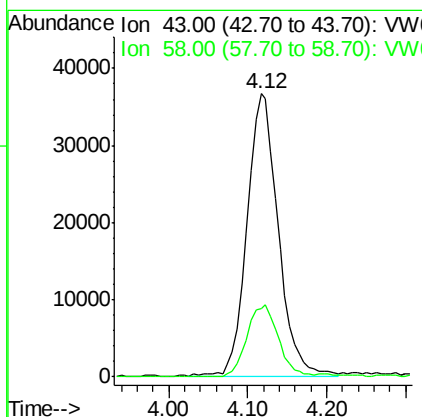
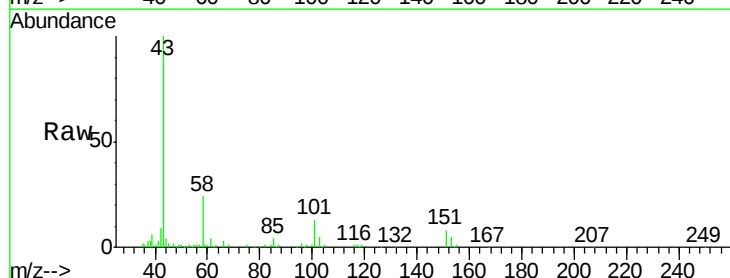
RT: 4.12 min Scan# 363

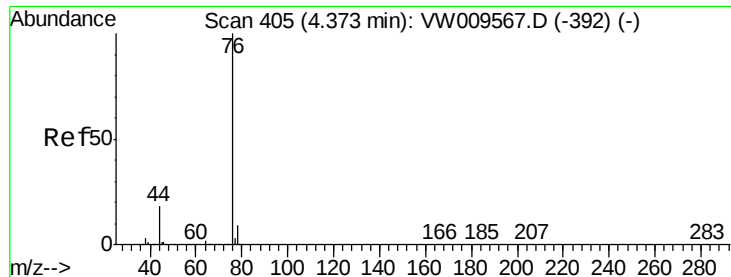
Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	43	Resp:	101817
Ion	Ratio	Lower	Upper
43	100		
58	23.8	23.6	35.4





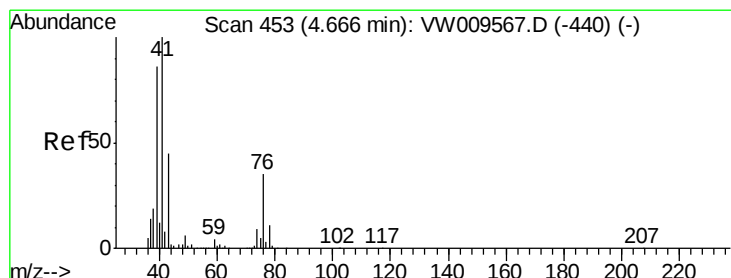
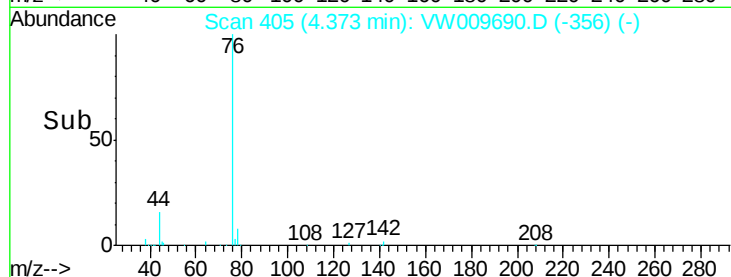
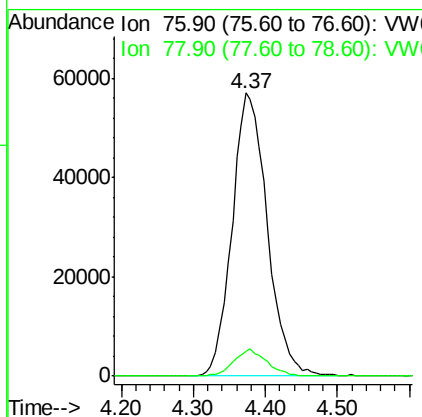
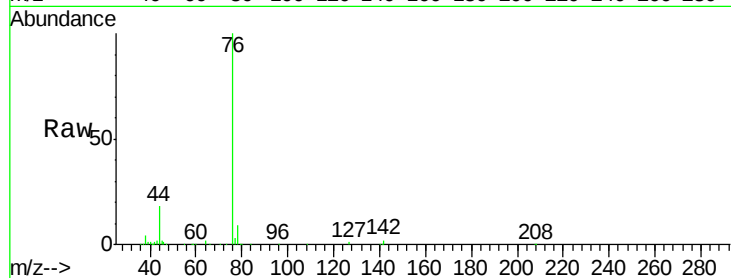
#17
Carbon Disulfide
Concen: 21.653 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	193215		
78	8.9	6.6	9.8	

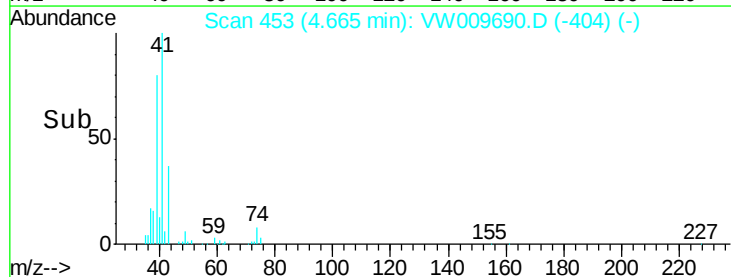
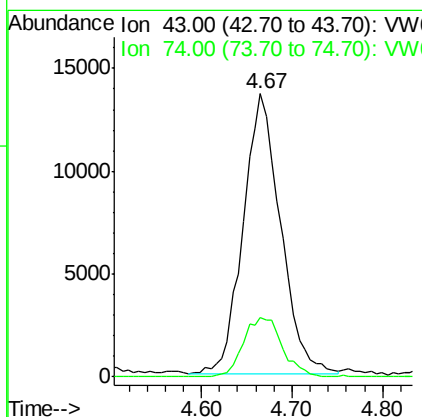
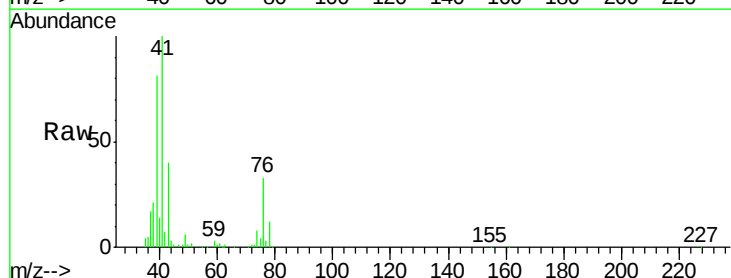
Manual Integrations
APPROVED

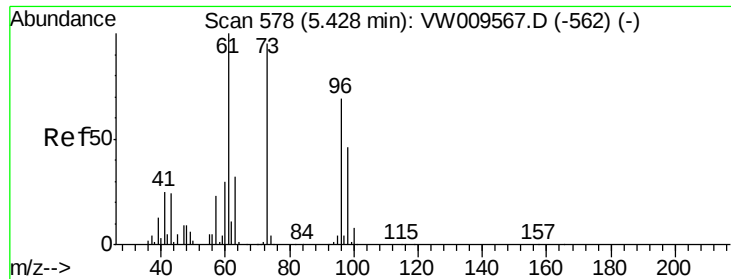
mohammad
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#18
Methyl Acetate
Concen: 19.292 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	38954		
74	22.0	17.7	26.5	





#19

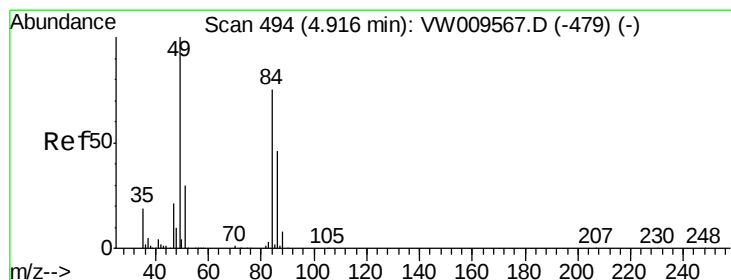
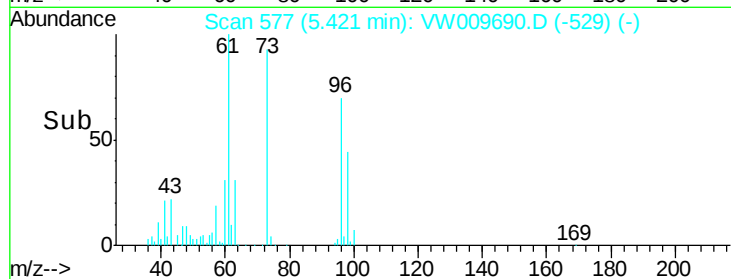
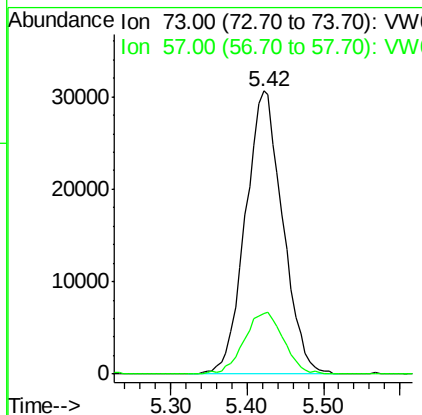
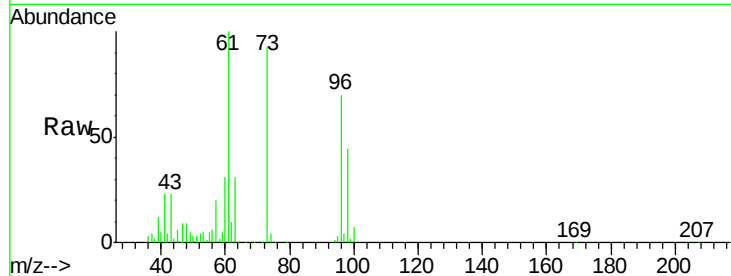
Methyl tert-butyl Ether
 Concen: 23.736 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.01 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Instrument :
 MSVOA_W
 ClientSampled :
 VW0404SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	17.0	25.6

Manual Integrations
 APPROVED

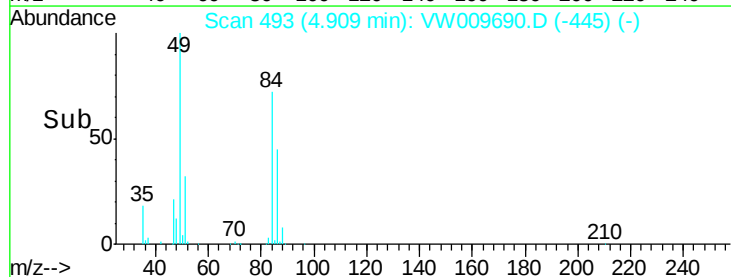
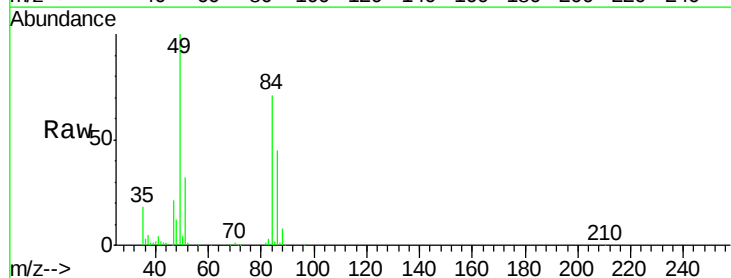
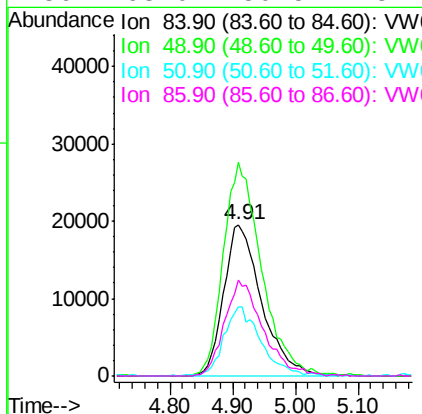
mohammad
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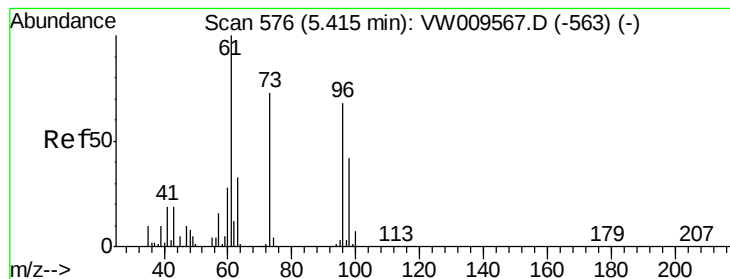


#20

Methylene Chloride
 Concen: 22.817 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	140.8	99.1	148.7
51	44.8	28.7	43.1#
86	63.0	50.5	75.7





#21

trans-1,2-Dichloroethene

Concen: 21.949 ug/l

RT: 5.41 min Scan# 575

Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

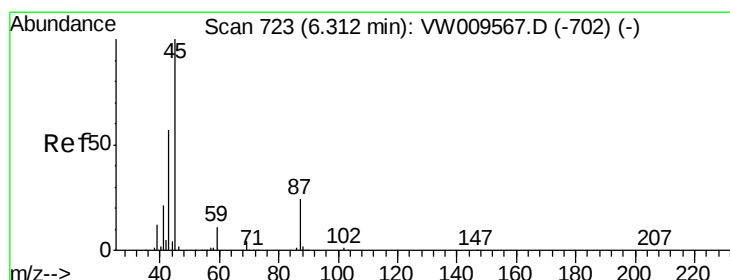
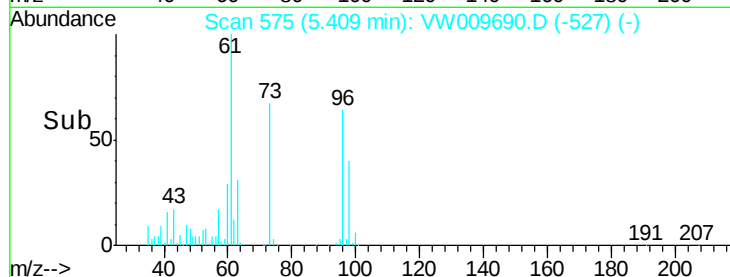
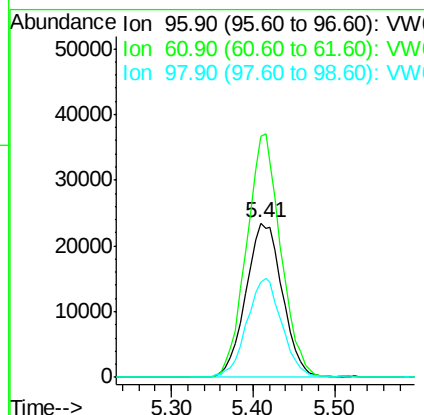
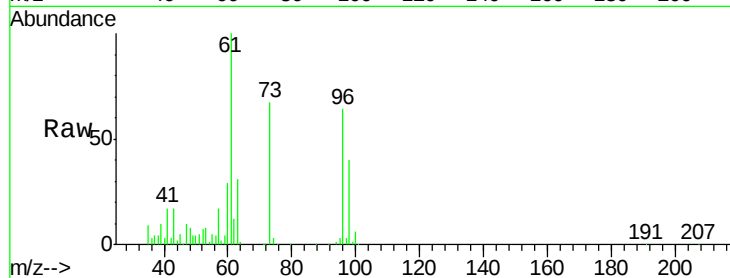
ClientSampleID :

VW0404SBSD01

Tot Ion:	96	Resp:	73080
Ion	Ratio	Lower	Upper
96	100		
61	156.3	108.2	162.4
98	61.9	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.701 ug/l

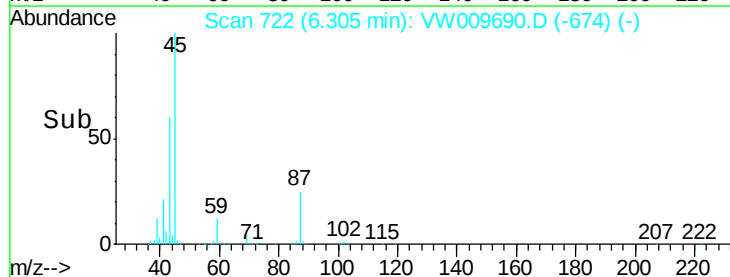
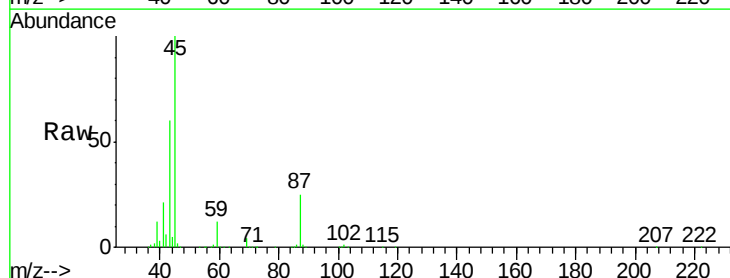
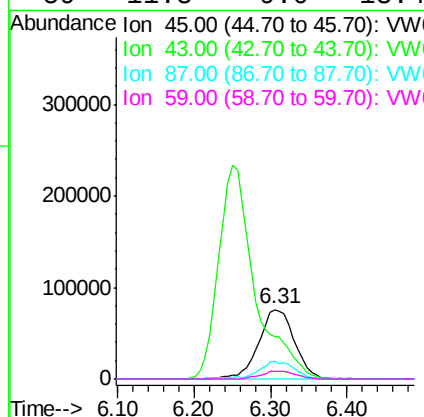
RT: 6.31 min Scan# 722

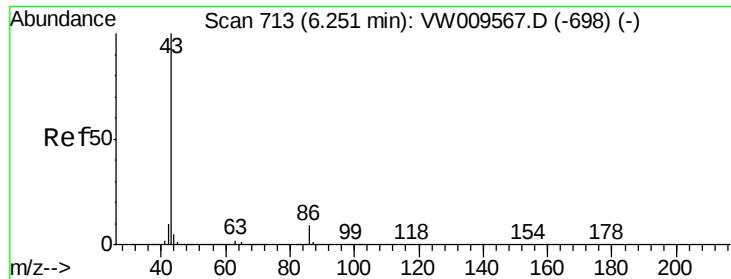
Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	45	Resp:	245904
Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.9	71.9
87	25.1	20.6	30.8
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 114.167 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleID :

VW0404SBS01

Tot Ion: 43 Resp: 771494

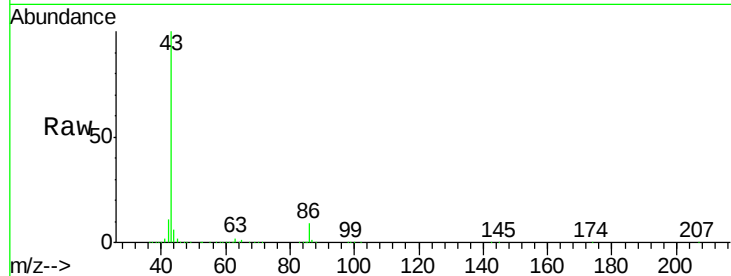
Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5

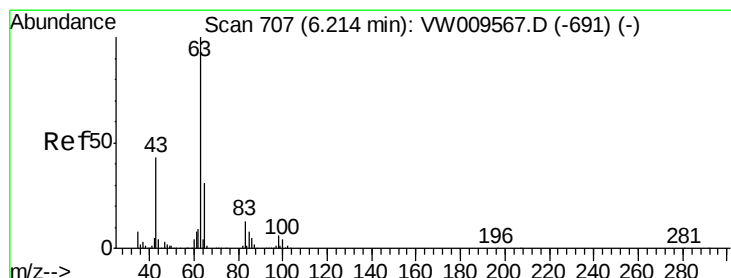
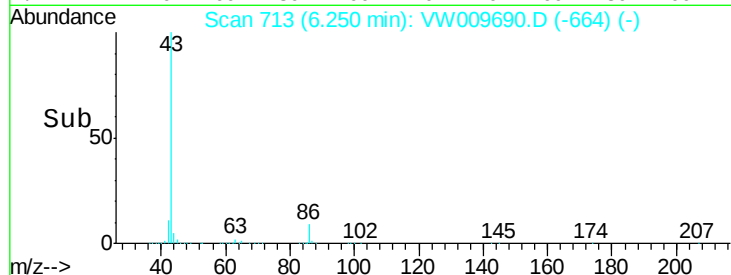
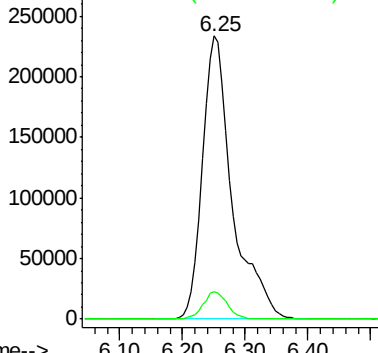
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 21.727 ug/l

RT: 6.21 min Scan# 706

Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

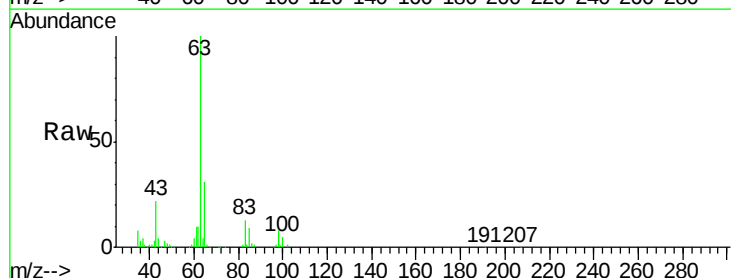
Tgt Ion: 63 Resp: 141658

Ion Ratio Lower Upper

63 100

98 8.3 3.7 11.1

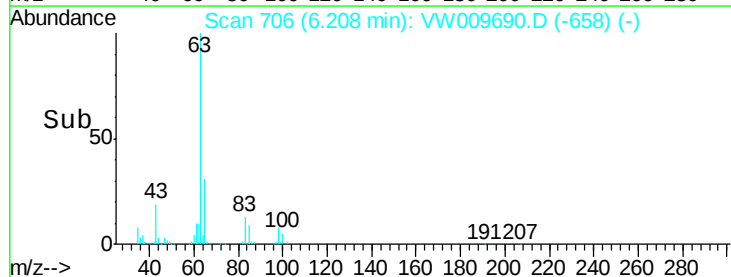
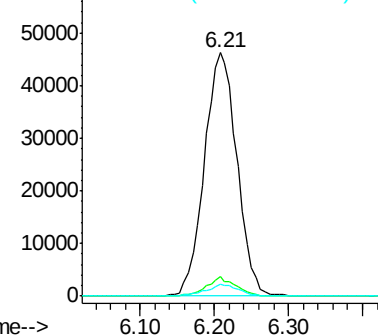
100 5.2 2.4 7.1

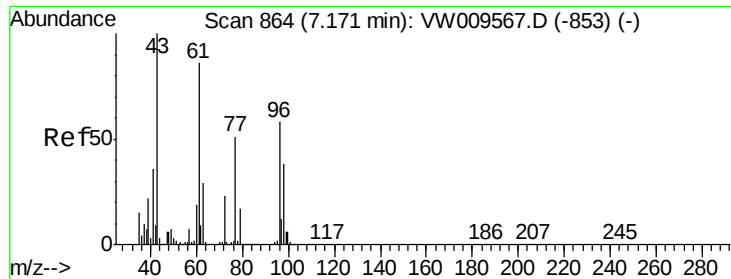


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 110.368 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion: 43 Resp: 127401

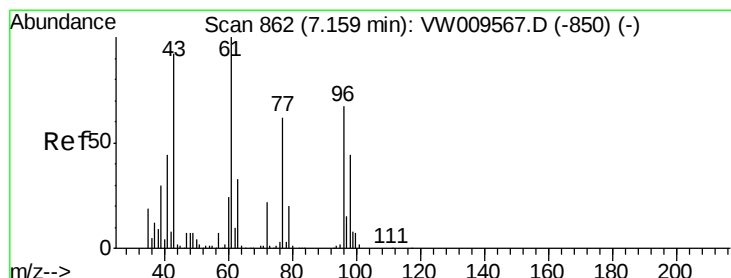
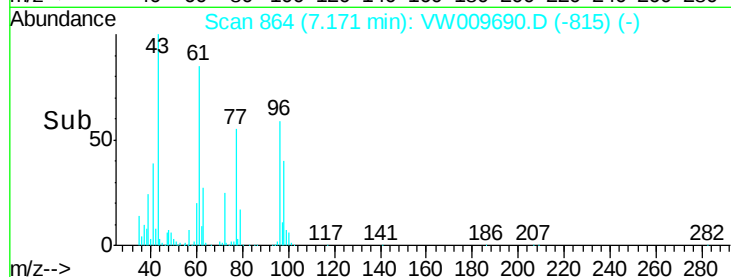
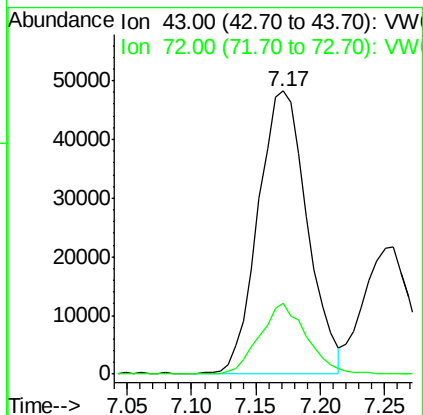
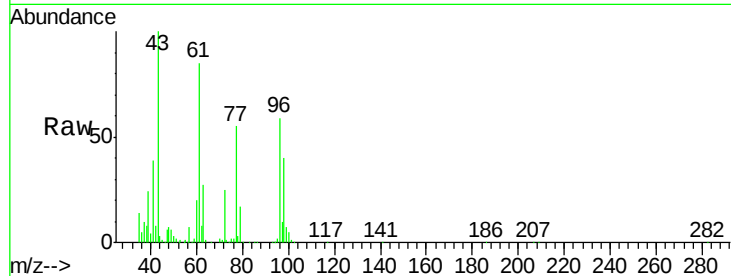
Ion Ratio Lower Upper

43 100

72 25.2 20.0 30.0

Manual Integrations
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mohammad
4/5/2019 3:51:03 PM



#26

2,2-Dichloropropane

Concen: 22.926 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.00 min

Lab File: VW009690.D

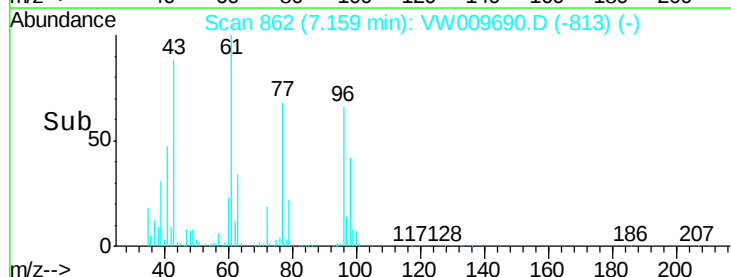
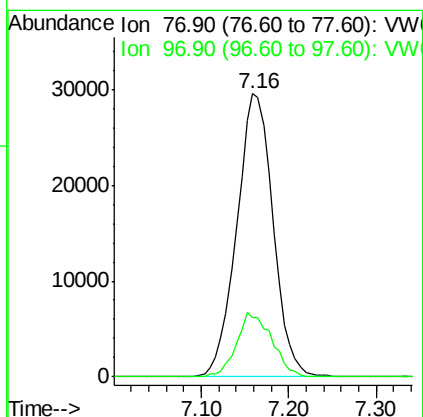
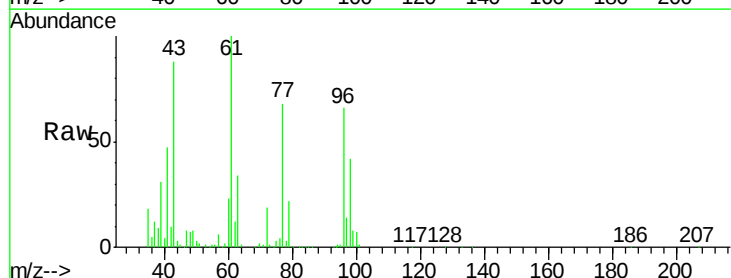
Acq: 04 Apr 2019 12:22

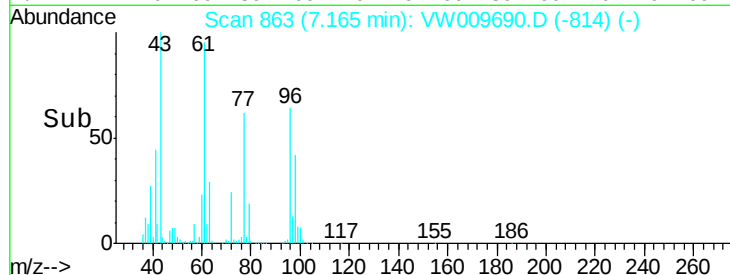
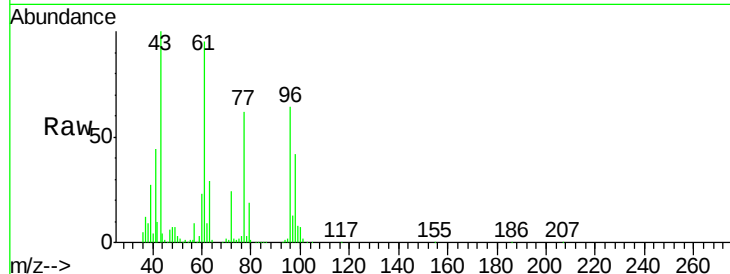
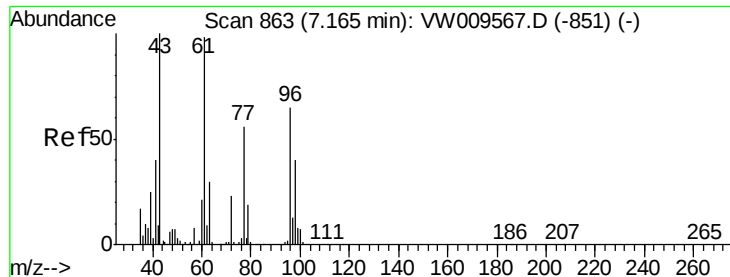
Tgt Ion: 77 Resp: 85457

Ion Ratio Lower Upper

77 100

97 22.0 11.6 34.7





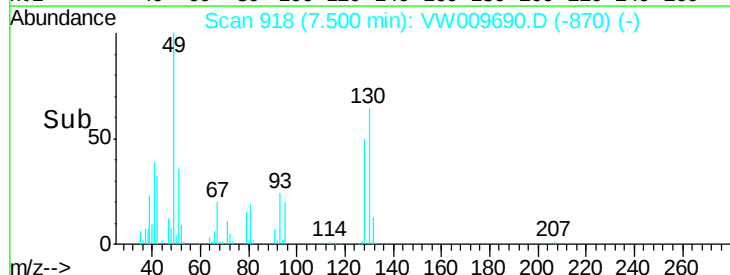
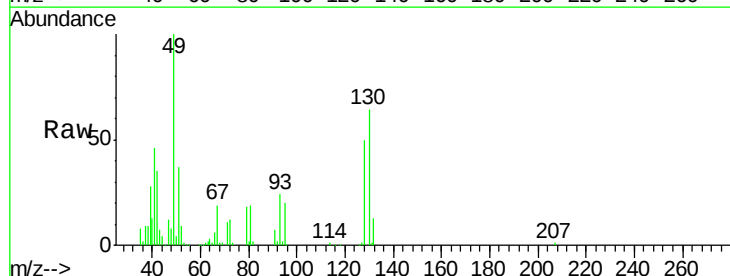
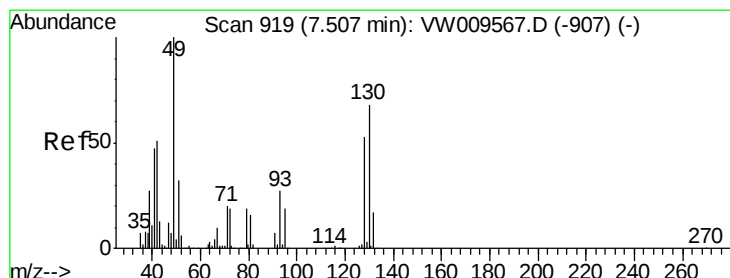
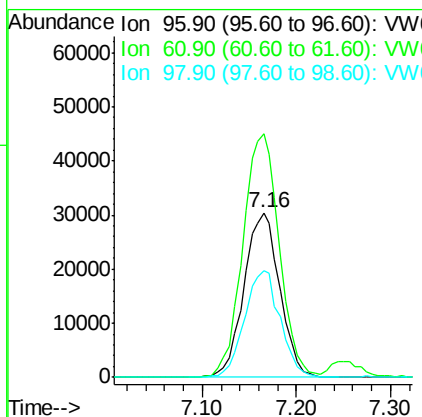
#27
 cis-1,2-Dichloroethene
 Concen: 22.263 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tot Ion	Ratio	Lower	Upper
96	100		
61	150.4	0.0	289.8
98	64.3	0.0	130.8

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBSD01

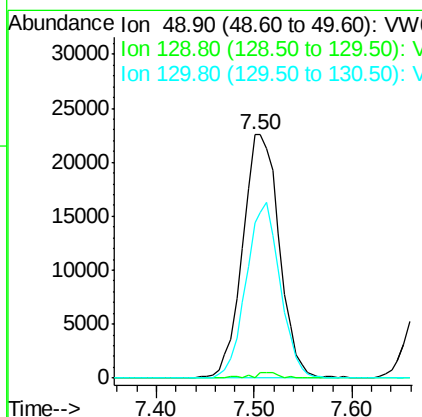
Manual Integrations
 APPROVED

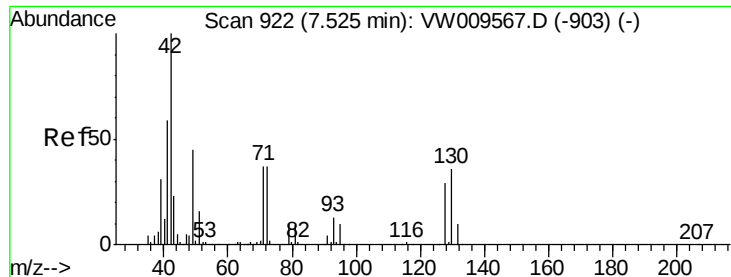
mohammad
 4/5/2019 3:51:03 PM



#28
 Bromochloromethane
 Concen: 20.776 ug/l
 RT: 7.50 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	1.4
130	66.9	58.6	88.0





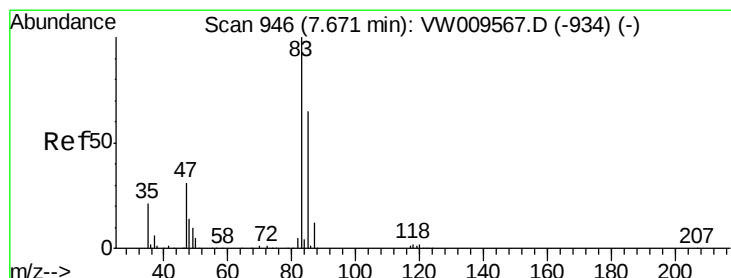
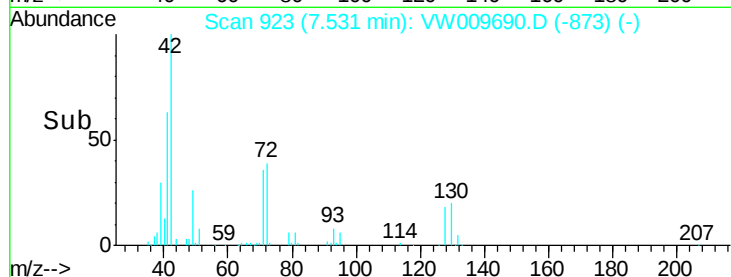
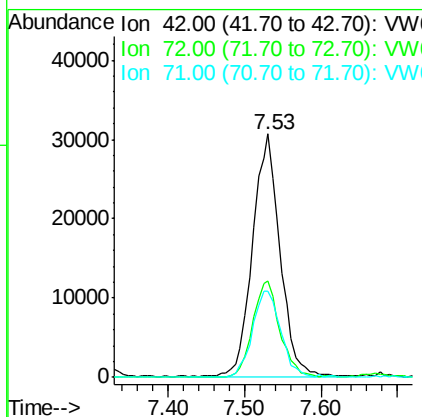
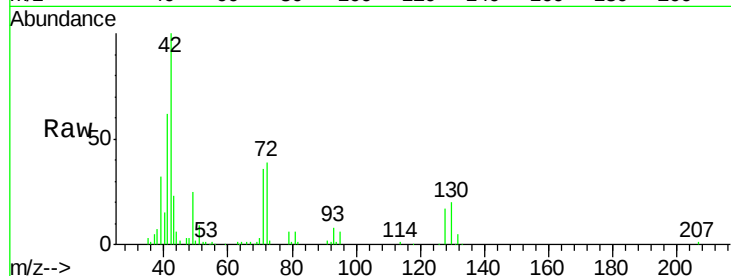
#29
Tetrahydrofuran
Concen: 108.005 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	32.4	48.6
71	36.4	30.1	45.1

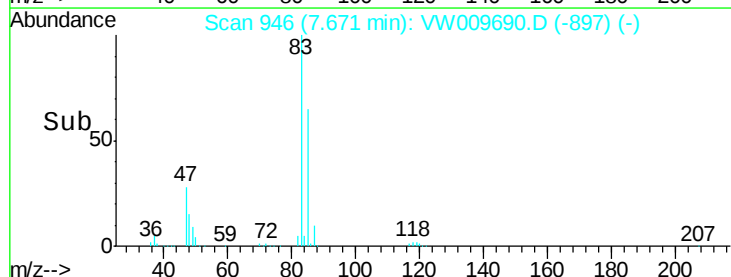
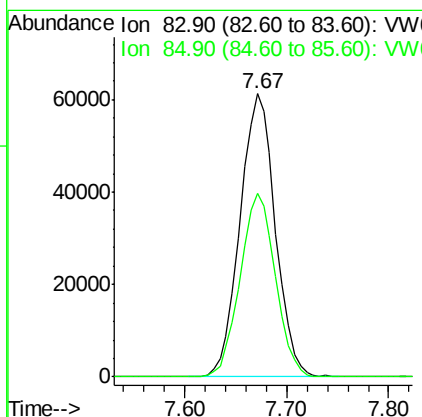
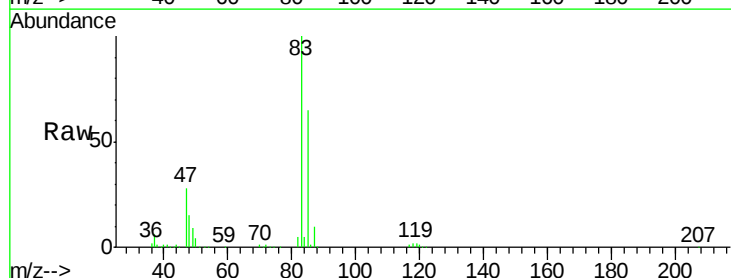
Manual Integrations
APPROVED

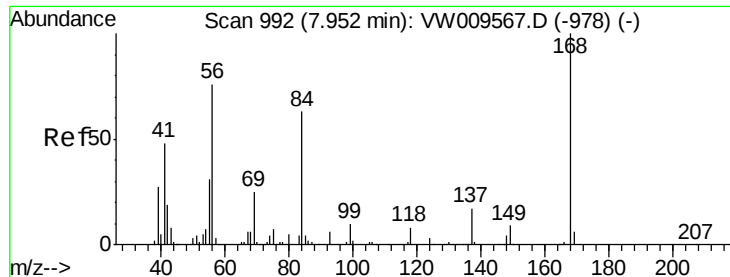
mohammad
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#30
Chloroform
Concen: 21.778 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.6





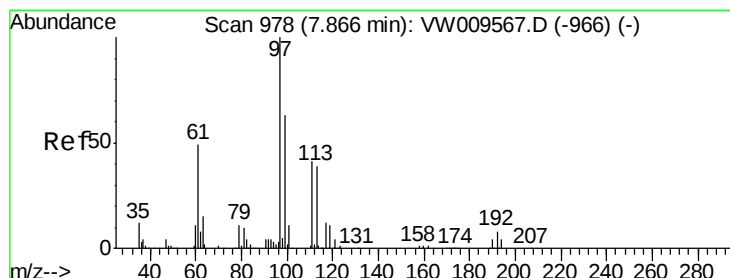
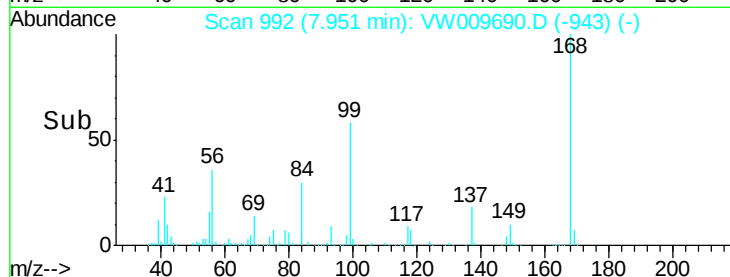
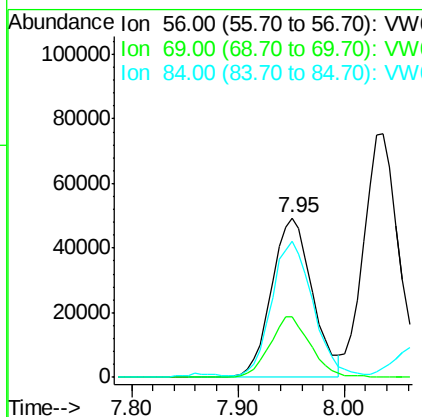
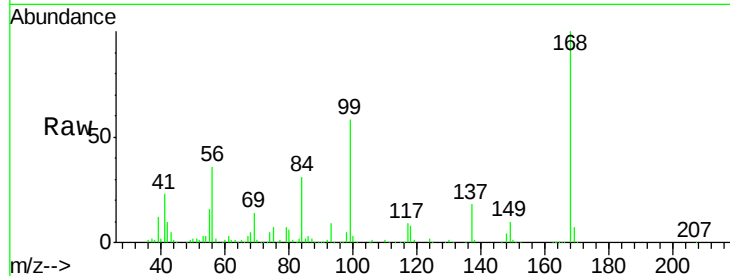
#31
Cyclohexane
Concen: 21.399 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	26.1	39.1
84	84.5	68.6	103.0

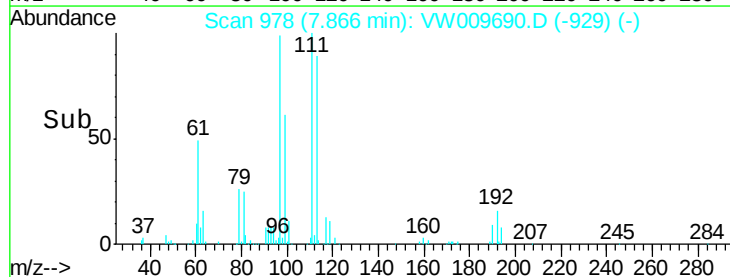
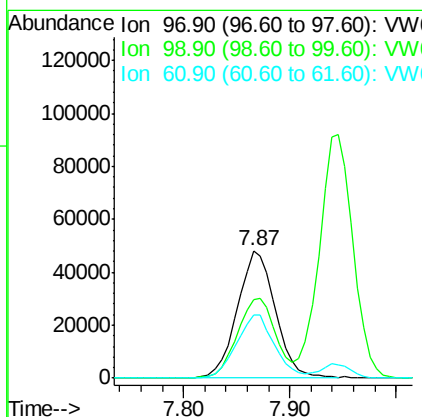
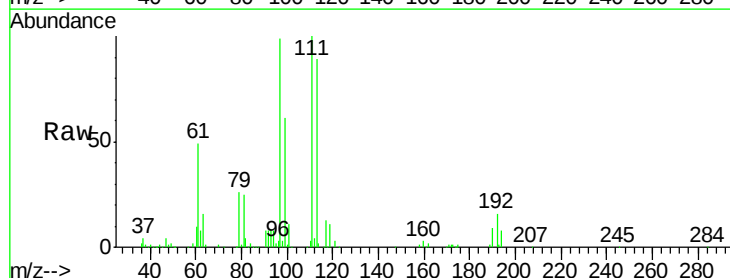
Manual Integrations
APPROVED

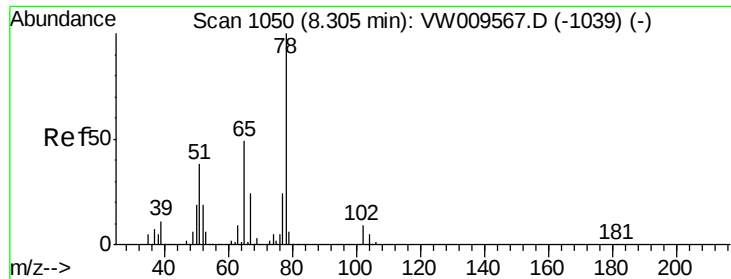
mohammad
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#32
1,1,1-Trichloroethane
Concen: 22.009 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.9	77.9
61	49.7	36.8	55.2





#33

1,2-Dichloroethane-d4

Concen: 53.686 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleID :

VW0404SBSD01

Tot Ion: 65 Resp: 199461

Ion Ratio Lower Upper

65 100

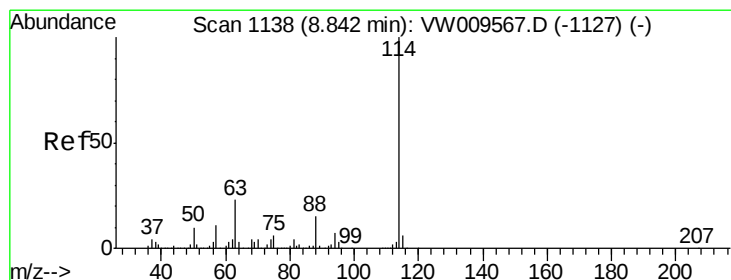
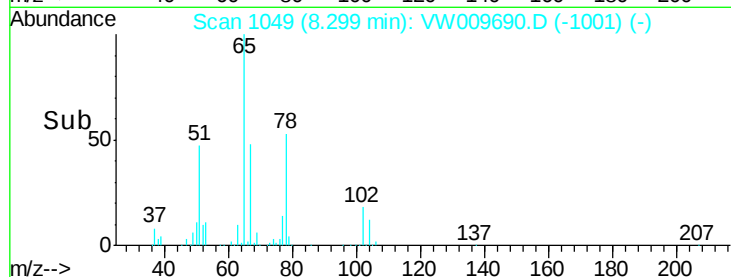
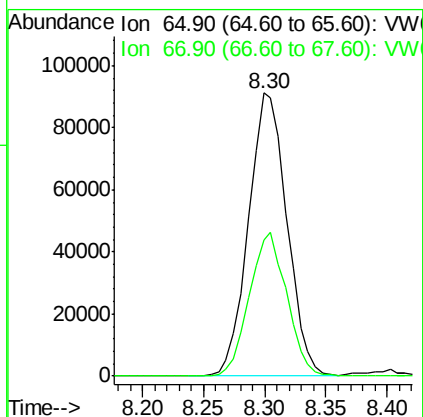
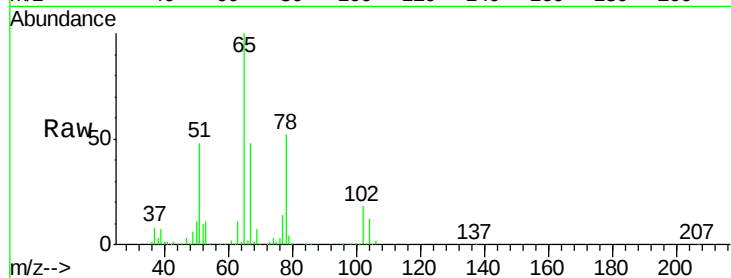
67 49.5 0.0 102.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

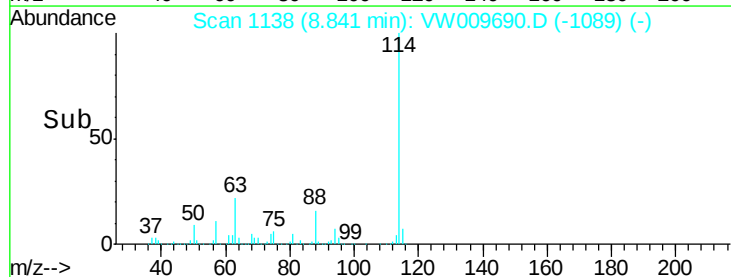
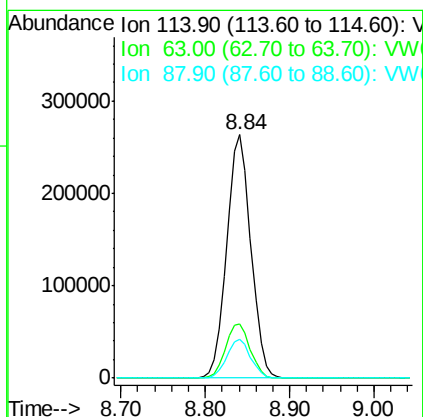
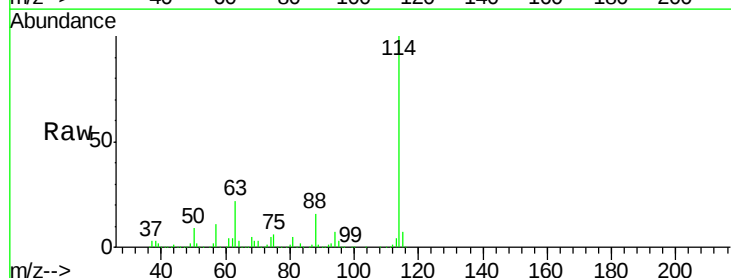
Tgt Ion: 114 Resp: 513180

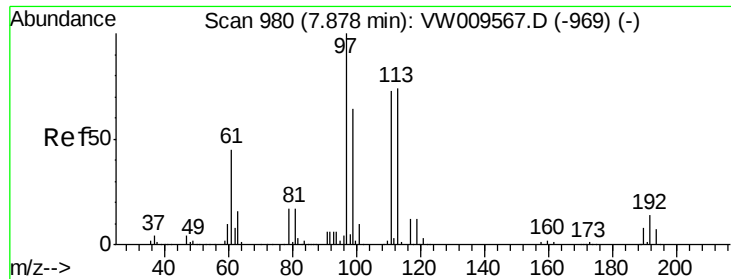
Ion Ratio Lower Upper

114 100

63 22.2 0.0 42.2

88 15.8 0.0 30.8





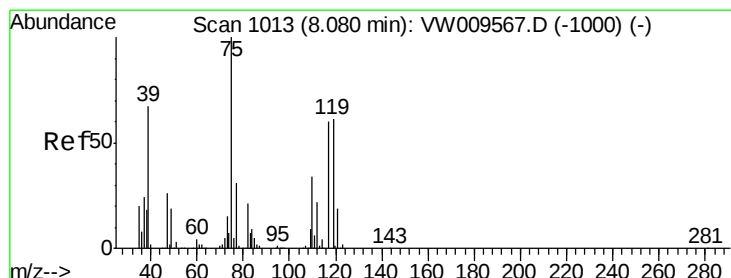
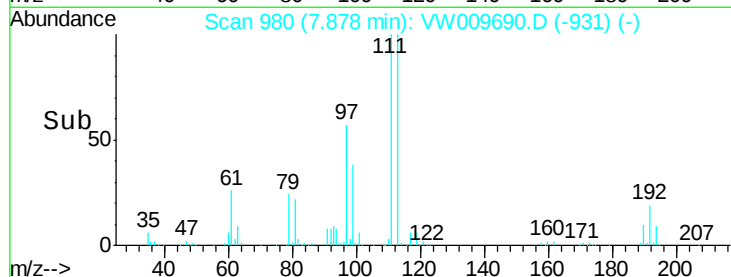
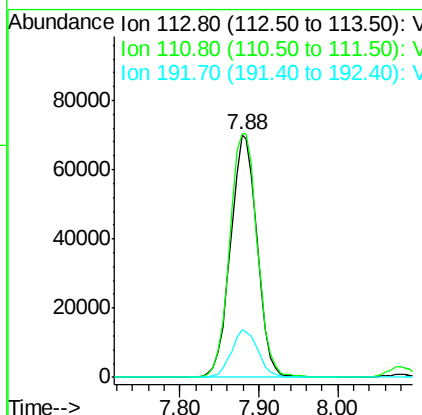
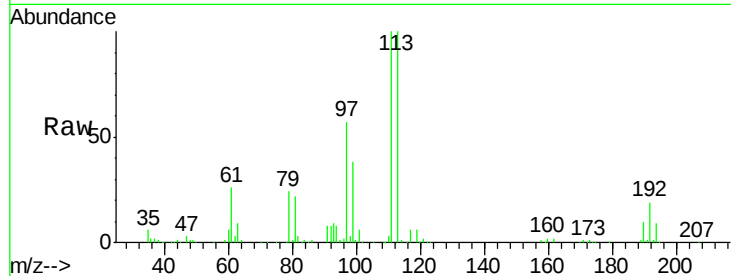
#35
 Dibromofluoromethane
 Concen: 50.744 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163556		
111	104.8	82.6	124.0	
192	19.6	16.4	24.6	

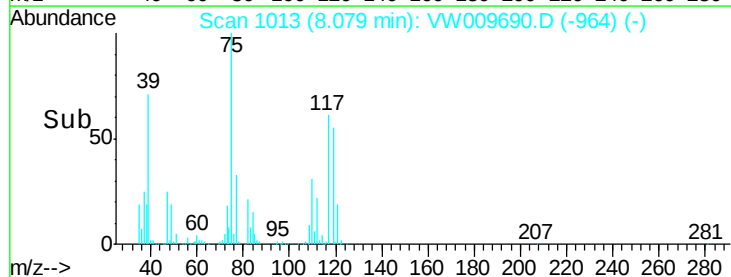
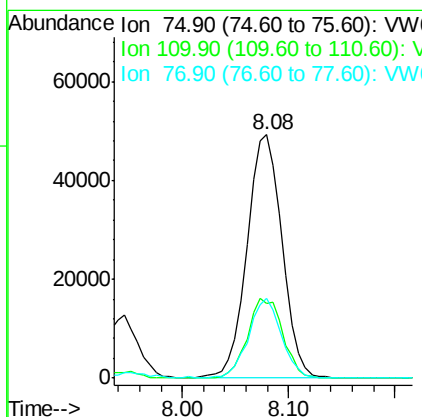
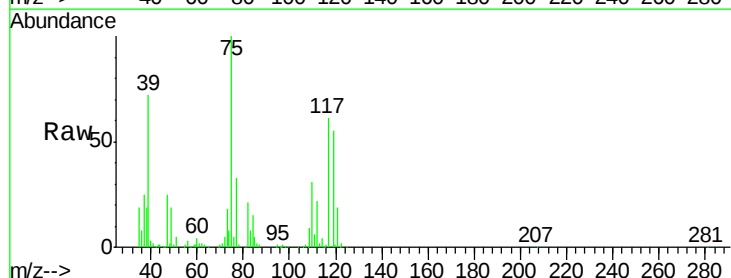
Manual Integrations
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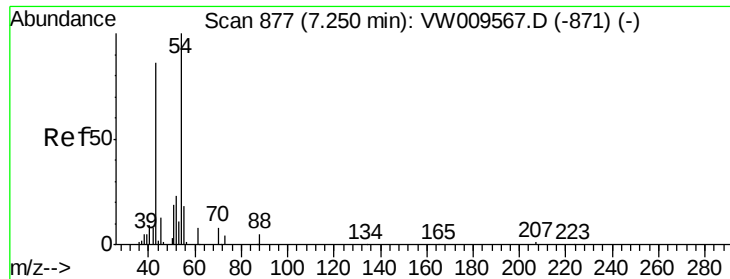
mohammad
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#36
 1,1-Dichloropropene
 Concen: 21.319 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	113161		
110	33.2	16.8	50.4	
77	31.2	24.6	36.8	





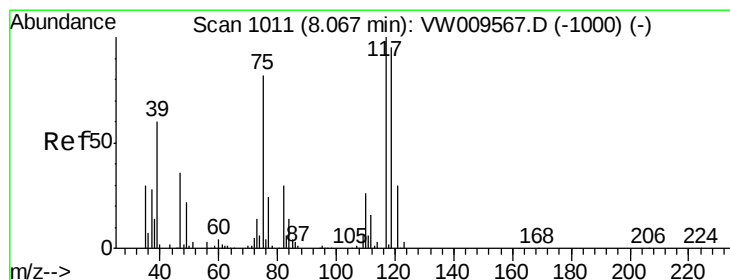
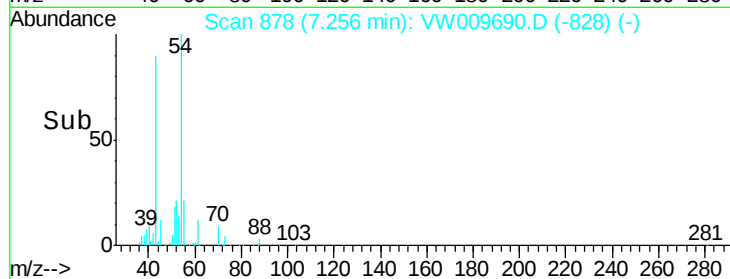
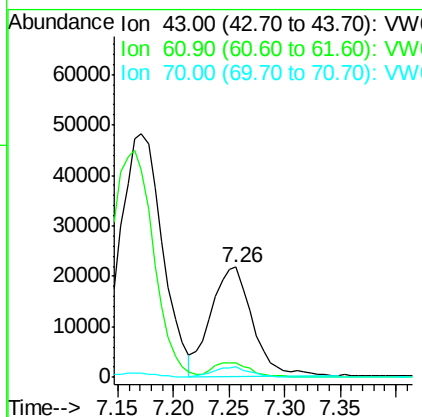
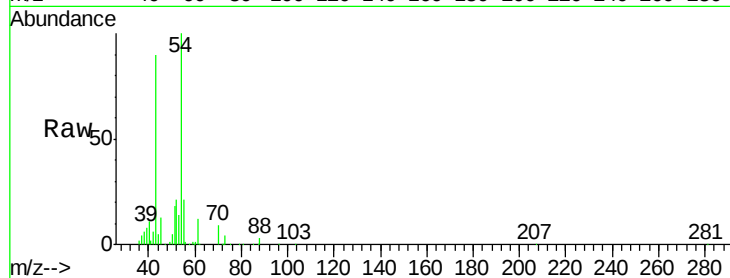
#37
Ethyl Acetate
Concen: 22.177 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.5	10.0	15.0
70	8.9	7.3	10.9

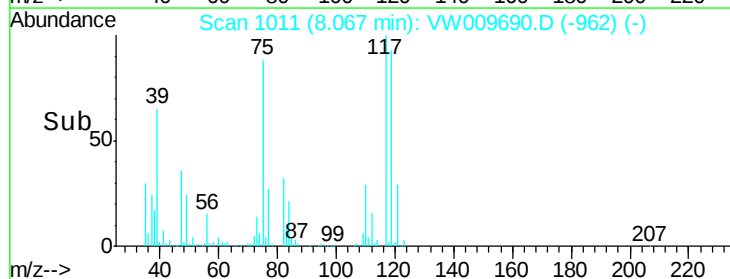
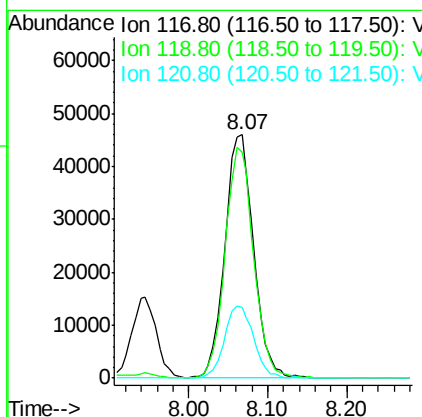
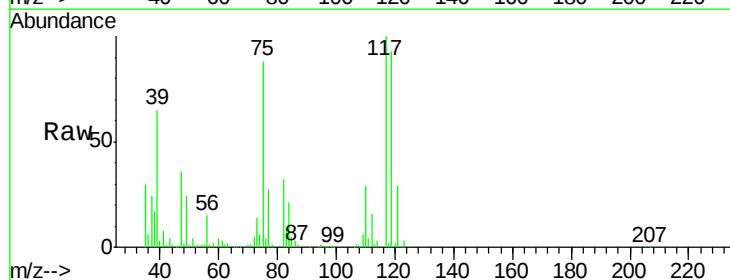
Manual Integrations
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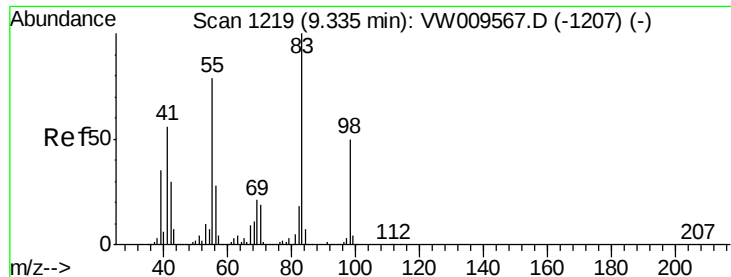
mohammad
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#38
Carbon Tetrachloride
Concen: 21.457 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.4	113.0
121	29.2	24.9	37.3





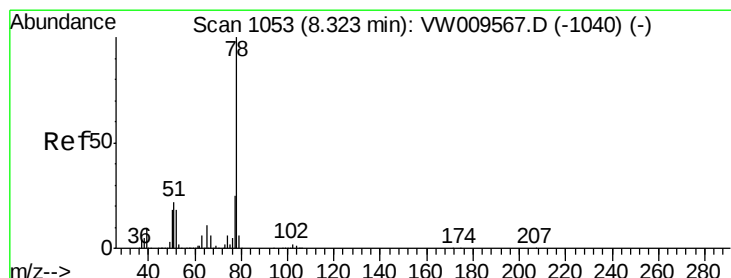
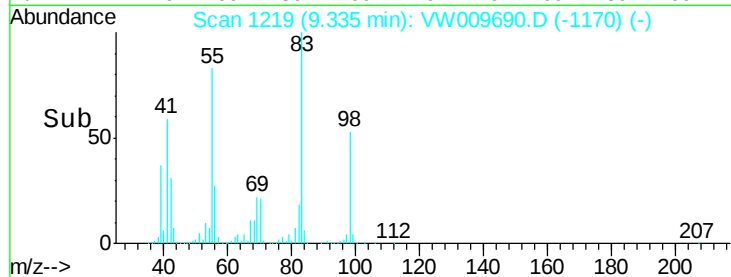
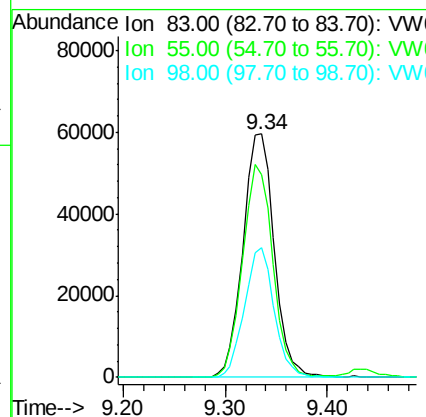
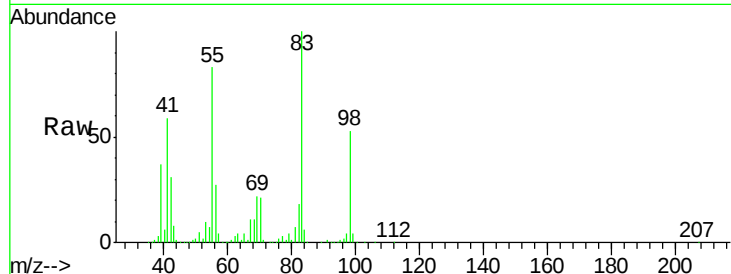
#39
Methvlcvclohexane
Concen: 20.926 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	83.0	61.1	91.7	
98	53.0	39.0	58.4	

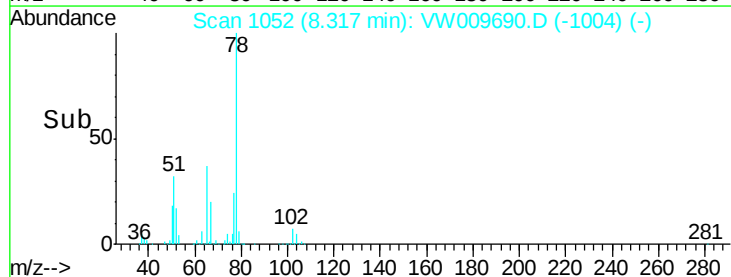
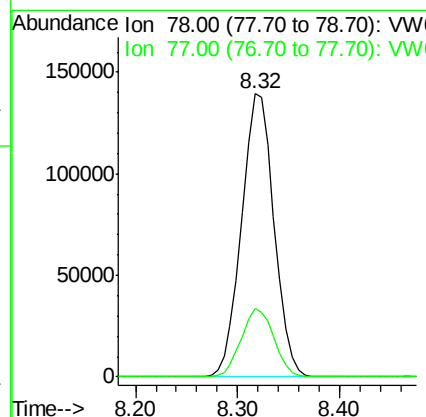
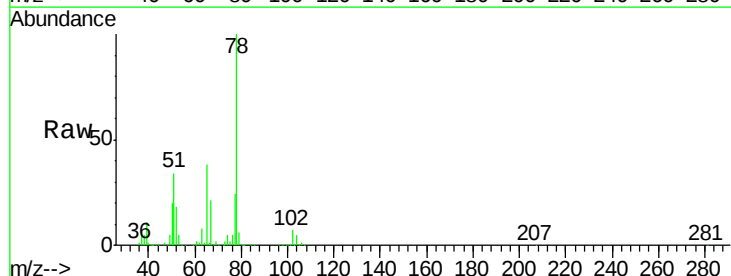
Manual Integrations
APPROVED

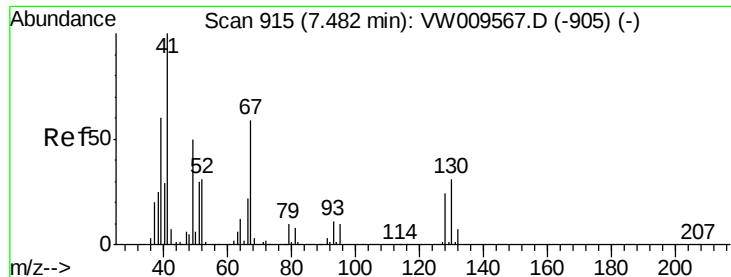
mohammad
4/5/2019 3:51:03 PM



#40
Benzene
Concen: 21.425 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.8	29.6	





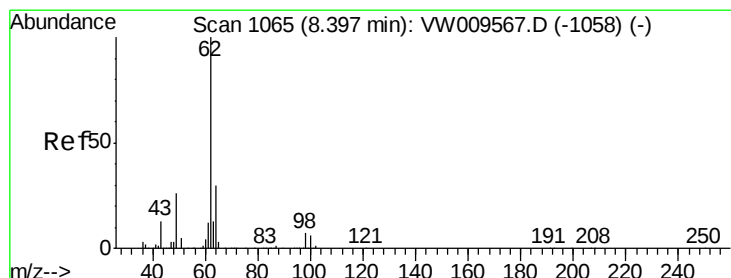
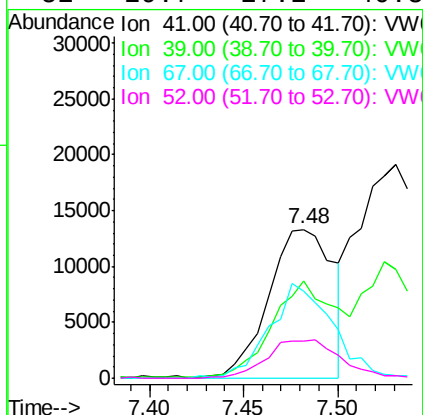
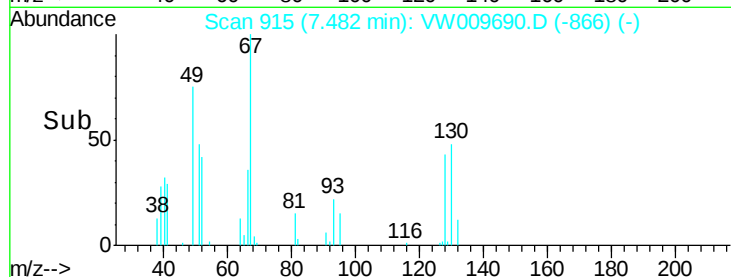
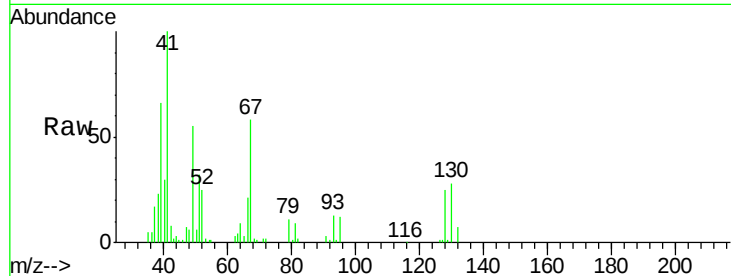
#41
Methacrylonitrile
Concen: 21.775 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBS01

Tot Ion	Ion	Ratio	Lower	Upper
31815	41	100		
	39	65.2	52.5	78.7
	67	62.5	56.6	84.8
	52	29.7	27.2	40.8

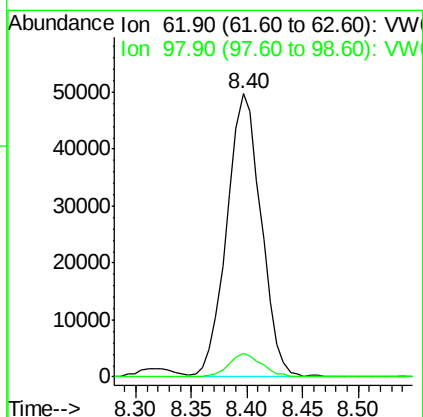
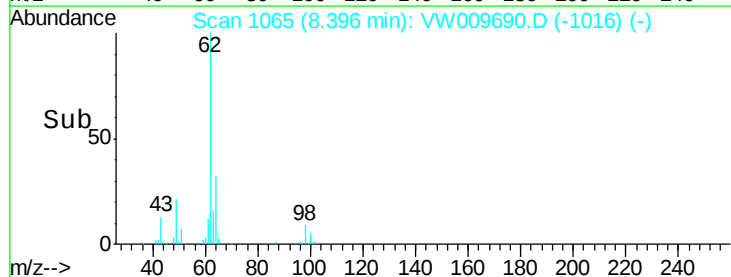
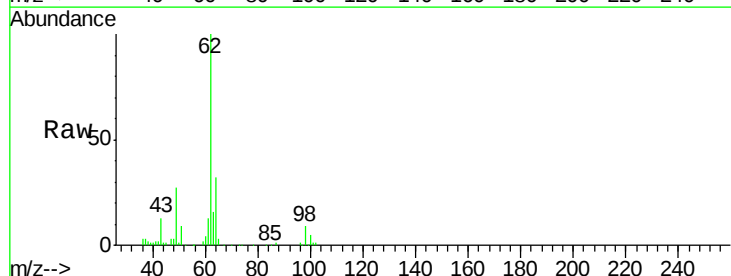
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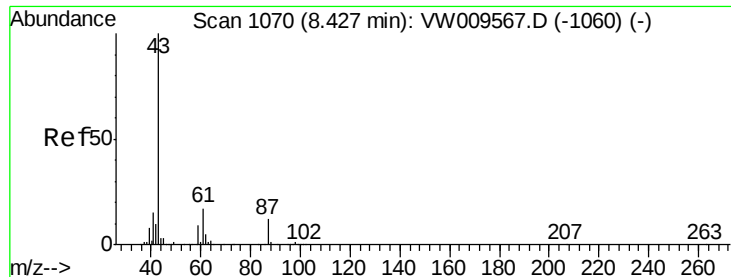
mohammad
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#42
1,2-Dichloroethane
Concen: 21.735 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ion	Ratio	Lower	Upper
106533	62	100		
	98	8.1	0.0	17.4





#43

Isopropyl Acetate

Concen: 21.292 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

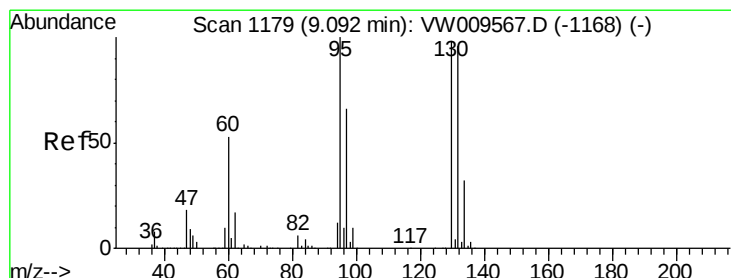
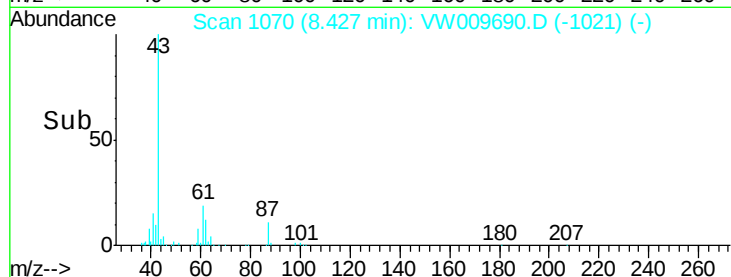
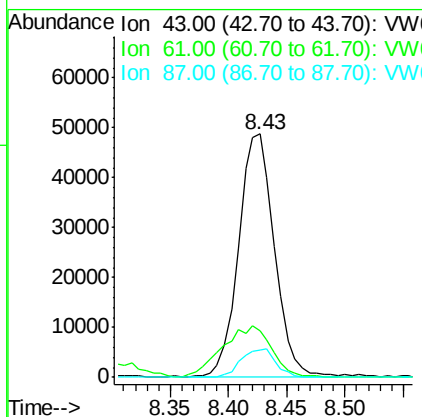
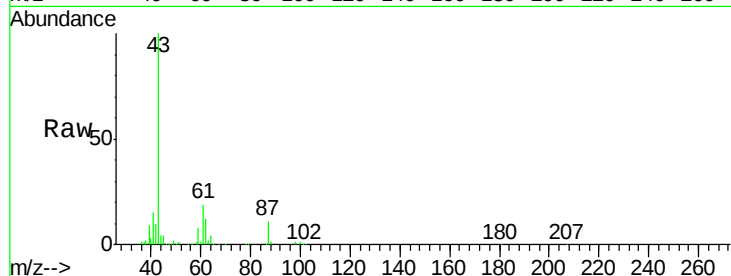
ClientSampleId :

VW0404SBSD01

Tot Ion:	43	Resp:	105228
Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.2	33.2
87	11.5	9.6	14.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.142 ug/l

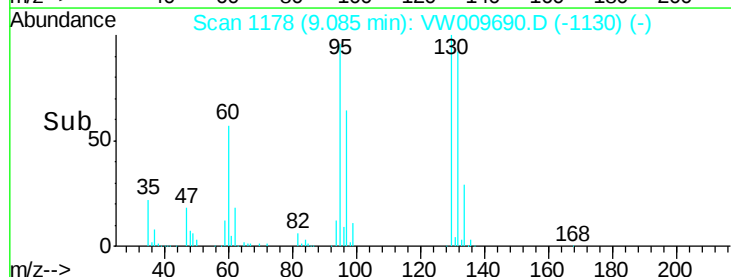
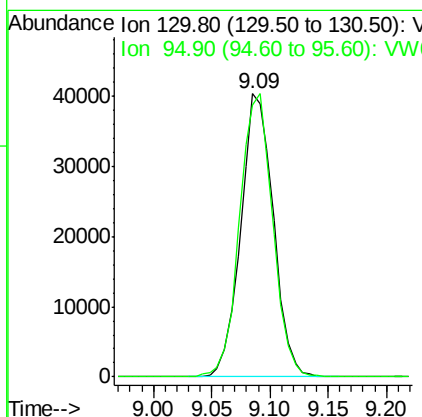
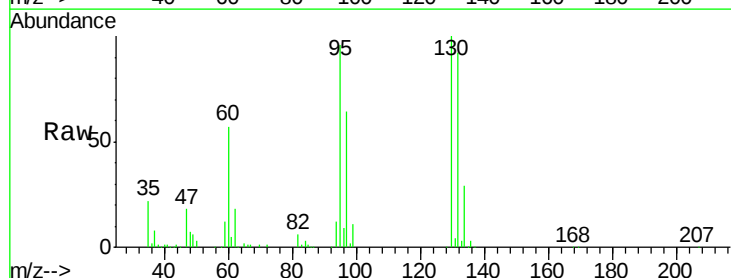
RT: 9.09 min Scan# 1178

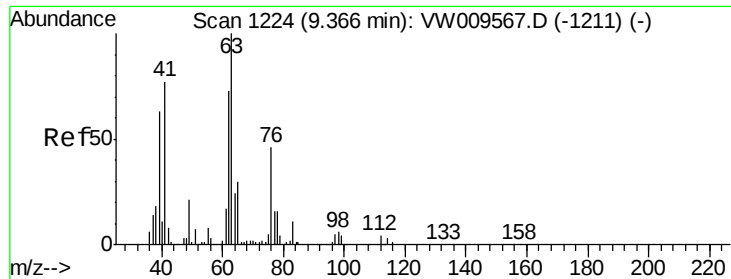
Delta R.T. -0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	130	Resp:	78695
Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	192.6





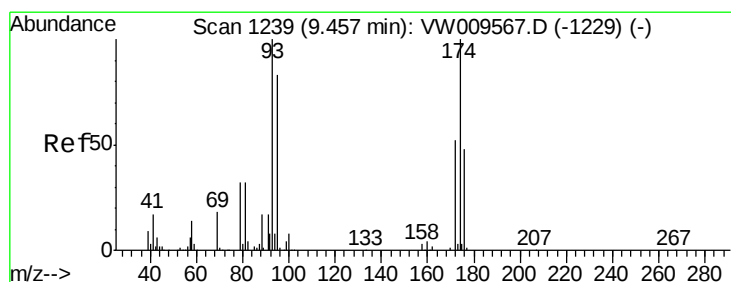
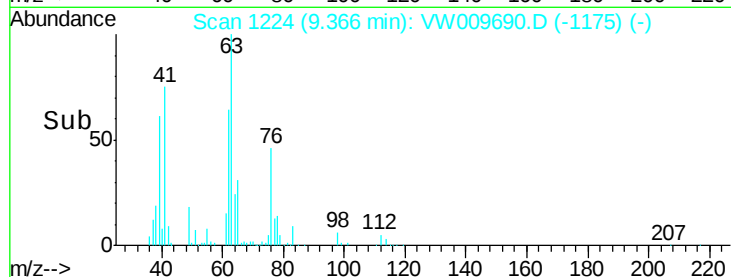
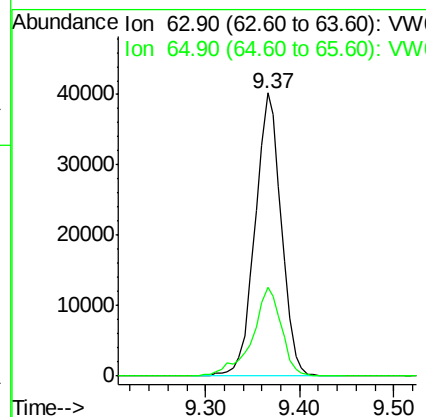
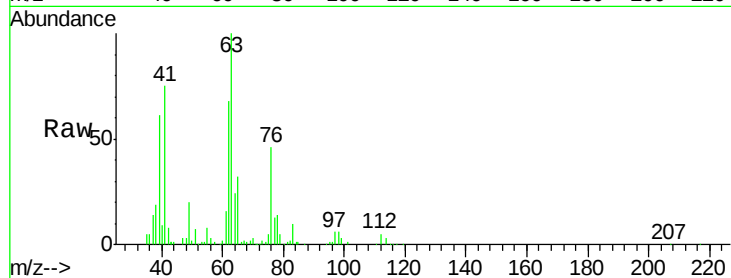
#45
 1,2-Dichloropropane
 Concen: 21.394 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBSD01

Tot Ion: 63 Resp: 78731
 Ion Ratio Lower Upper
 63 100
 65 31.6 25.8 38.8

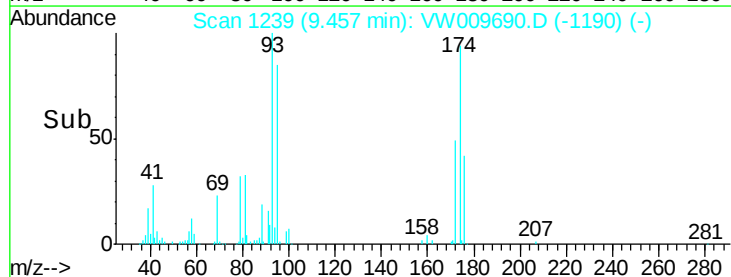
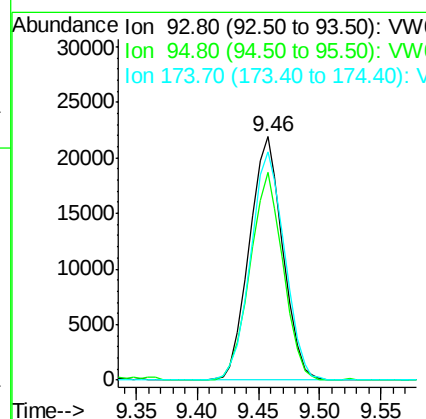
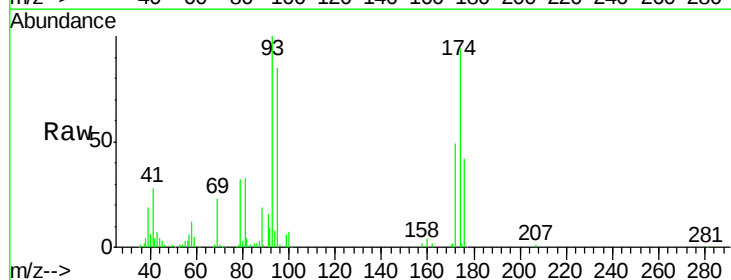
Manual Integrations
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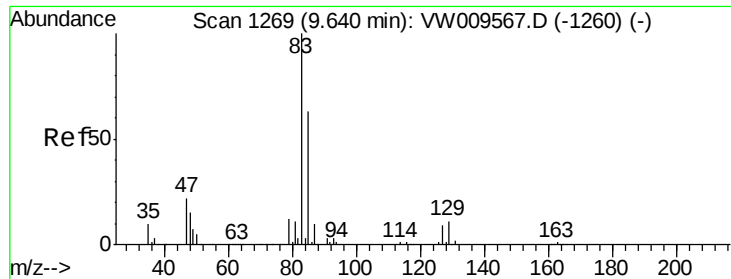
mohammad
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#46
 Dibromomethane
 Concen: 20.878 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion: 93 Resp: 41622
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.9 100.3
 174 96.1 80.8 121.2





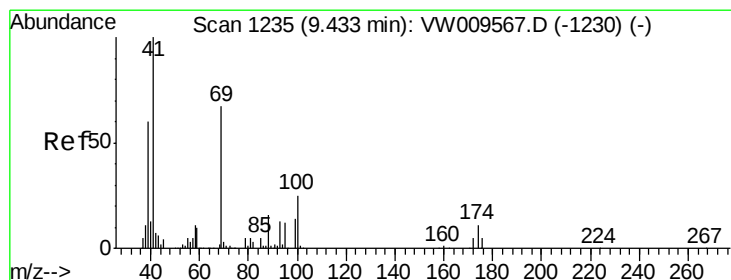
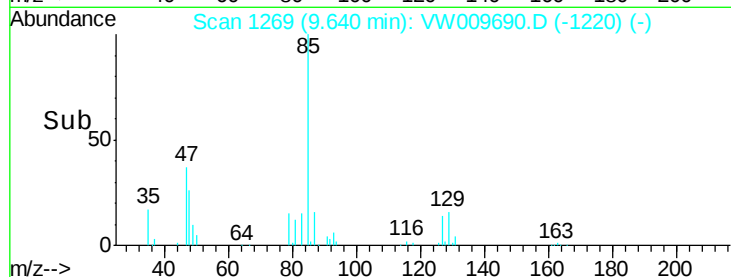
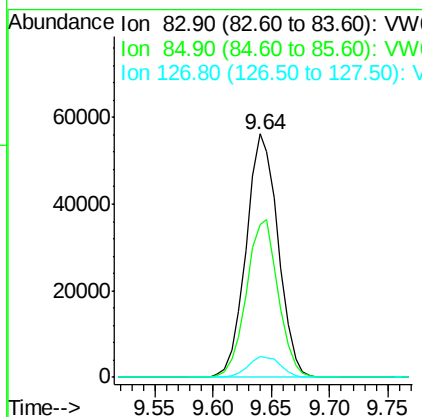
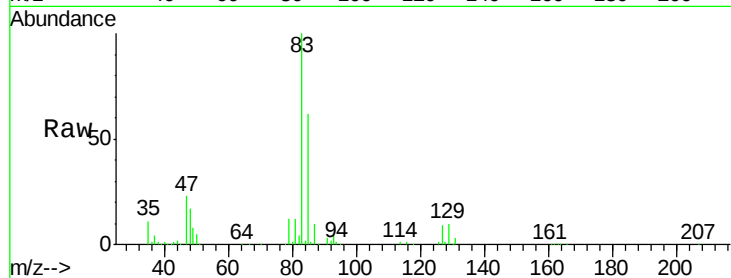
#47
Bromodichloromethane
Concen: 21.081 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	107204		
85	62.5	52.6	79.0	
127	8.6	6.5	9.7	

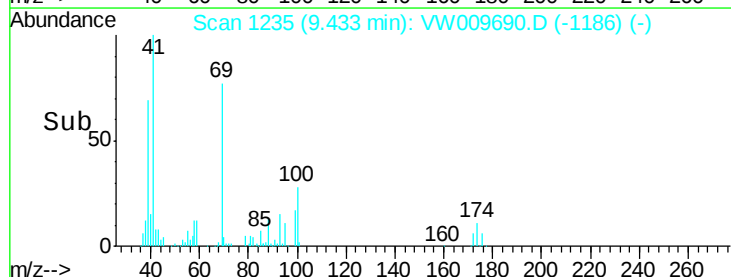
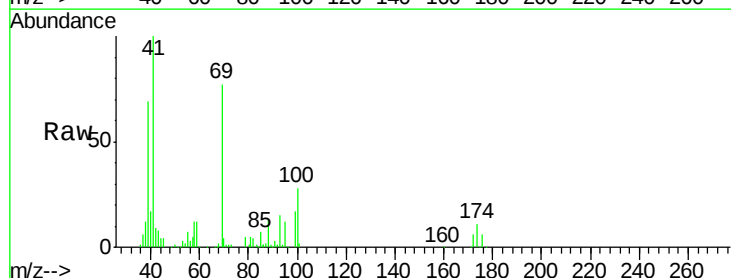
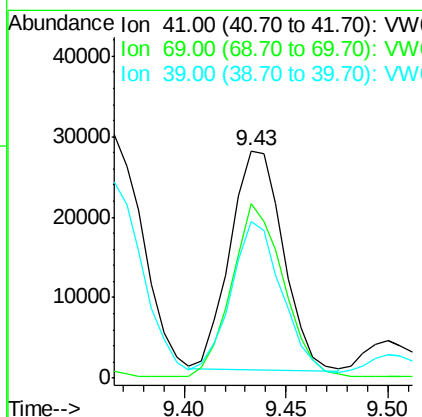
Manual Integrations
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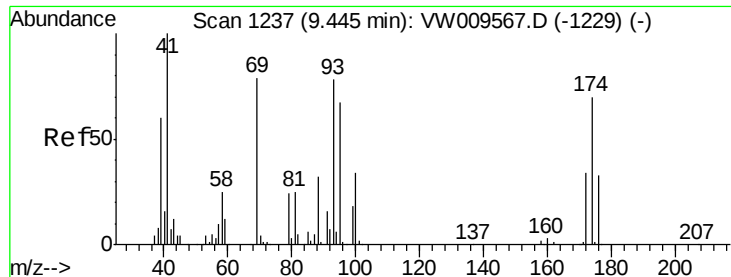
mohammad
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#48
Methyl methacrylate
Concen: 21.172 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49050		
69	80.1	63.0	94.6	
39	65.7	57.2	85.8	





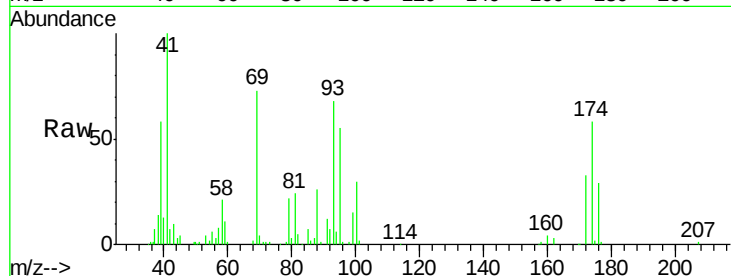
#49
1,4-Dioxane
Concen: 416.293 ug/l
RT: 9.44 min Scan# 1237
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
88	100			
43	42.5	29.7	44.5	
58	75.9	58.1	87.1	

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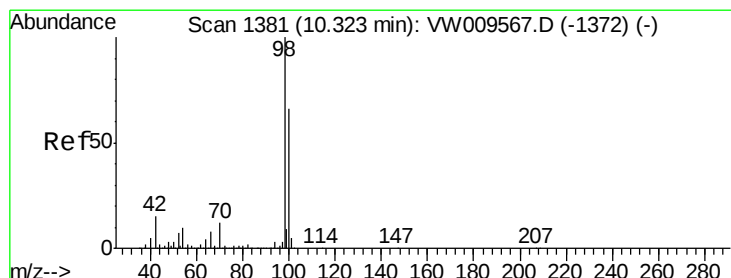
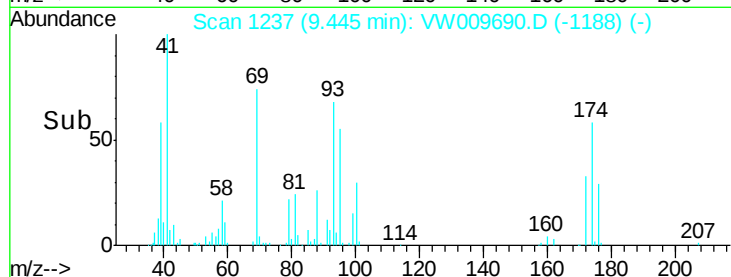
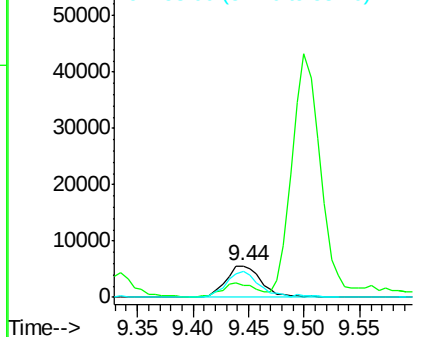


Abundance

Ion 88.00 (87.70 to 88.70): VW

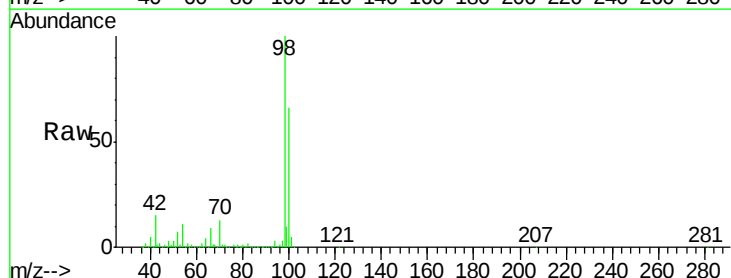
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 51.524 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

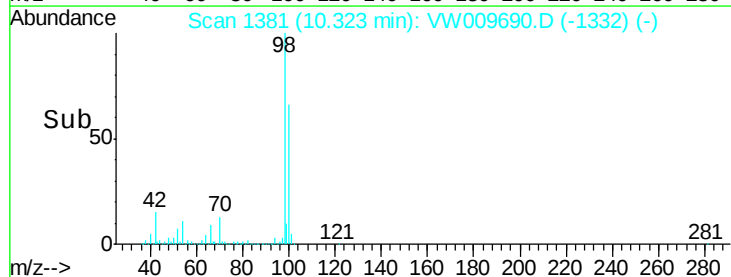
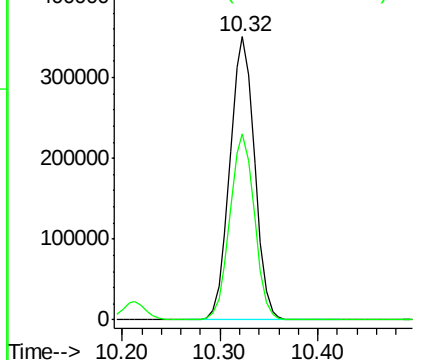
Tgt Ion	Ratio	Resp	Lower	Upper
98	100			
100	65.2	52.6	79.0	

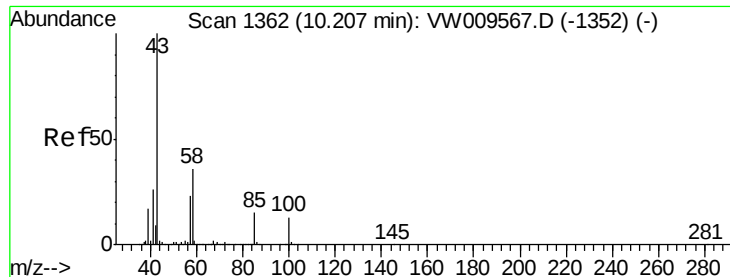


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 105.330 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleID :

VW0404SBSD01

Tot Ion: 43 Resp: 278518

Ion Ratio Lower Upper

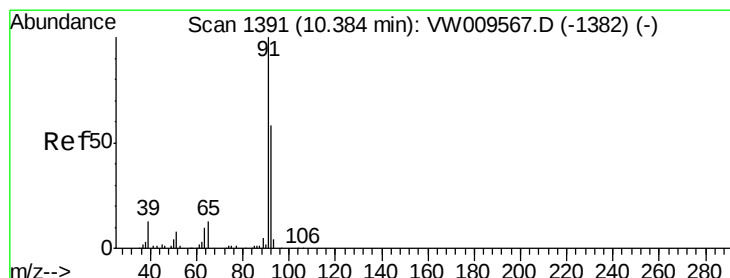
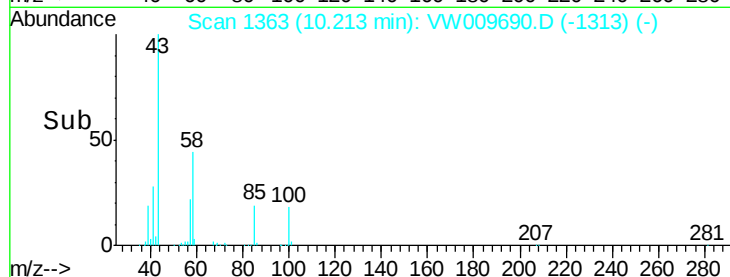
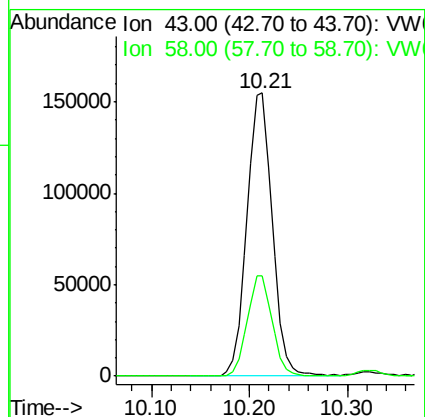
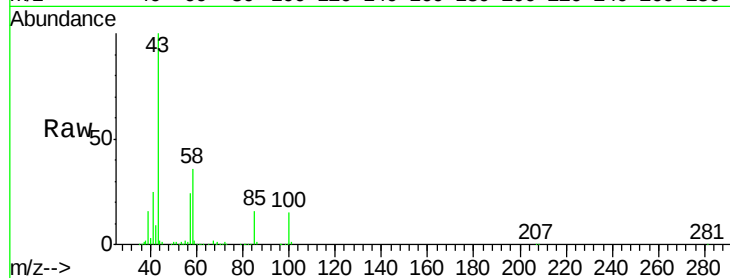
43 100

58 34.8 28.6 42.8

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#52

Toluene

Concen: 21.646 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009690.D

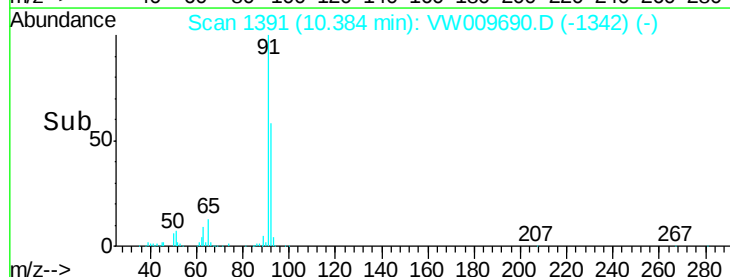
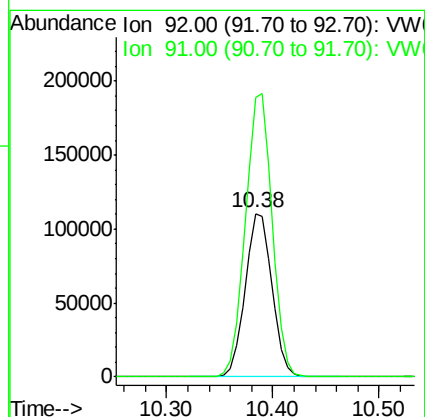
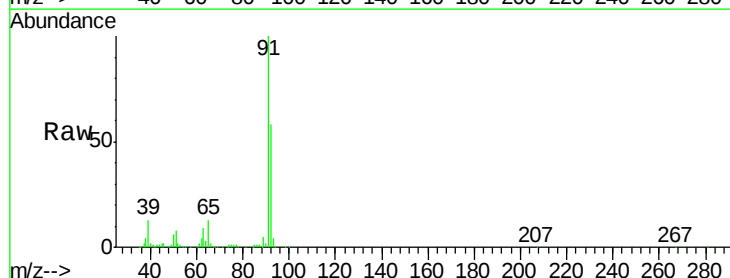
Acq: 04 Apr 2019 12:22

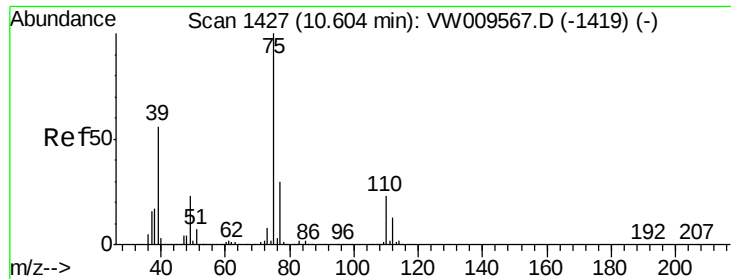
Tgt Ion: 92 Resp: 194897

Ion Ratio Lower Upper

92 100

91 173.7 140.1 210.1





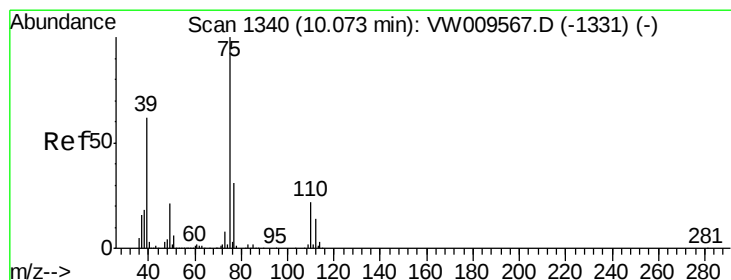
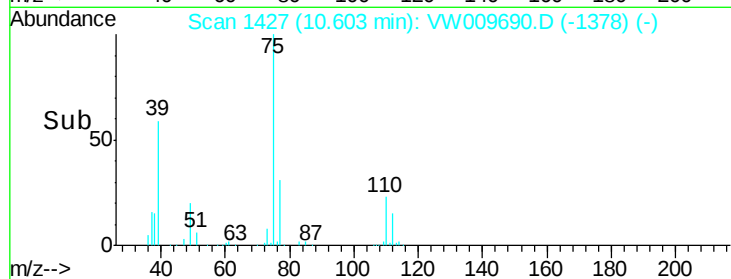
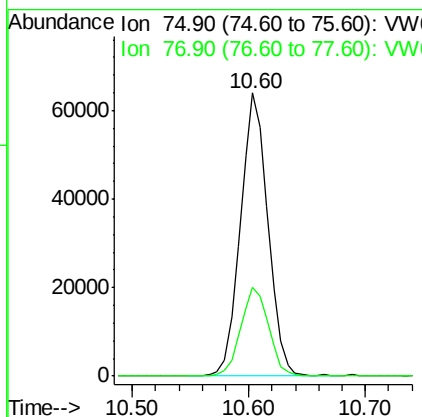
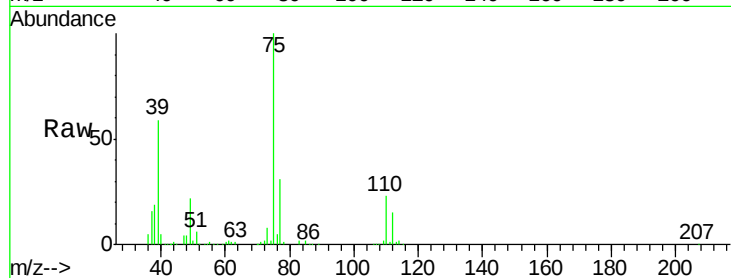
#53
t-1,3-Dichloropropene
Concen: 21.161 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampled :
VW0404SBS01

Tot Ion	75	Resp	105366
Ion Ratio	Lower	Upper	
75	100		
77	31.2	24.8	37.2

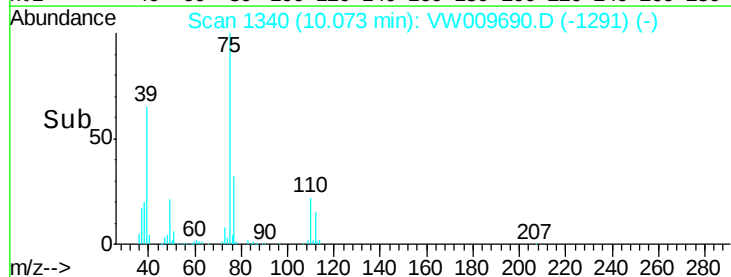
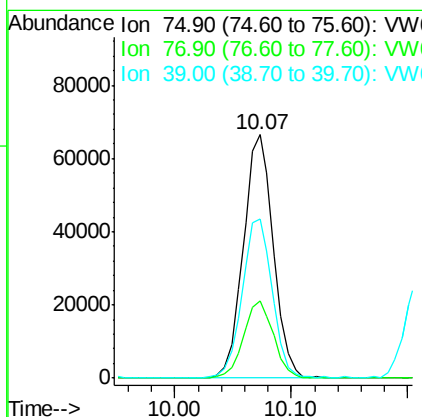
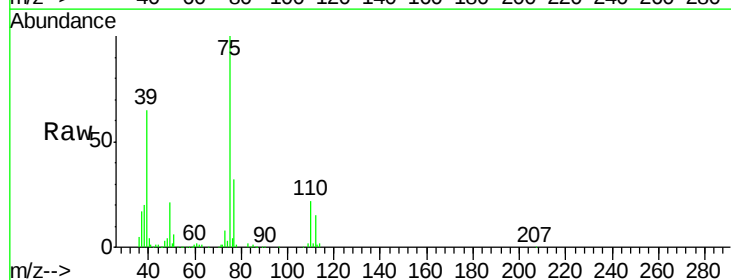
Manual Integrations
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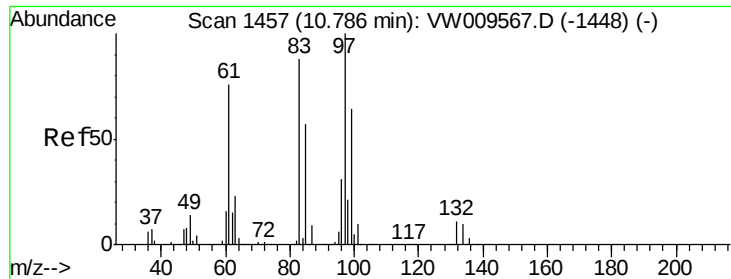
mohammad
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#54
cis-1,3-Dichloropropene
Concen: 21.568 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	75	Resp	119075
Ion Ratio	Lower	Upper	
75	100		
77	31.6	25.9	38.9
39	65.3	46.8	70.2





#55

1,1,2-Trichloroethane

Concen: 21.458 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

Tot Ion: 97 Resp: 57822

Ion Ratio Lower Upper

97 100

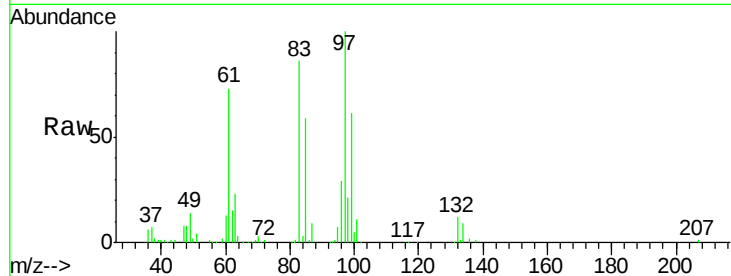
83 85.7 66.3 99.5

85 58.8 41.4 62.2

99 61.1 48.7 73.1

Manual Integrations
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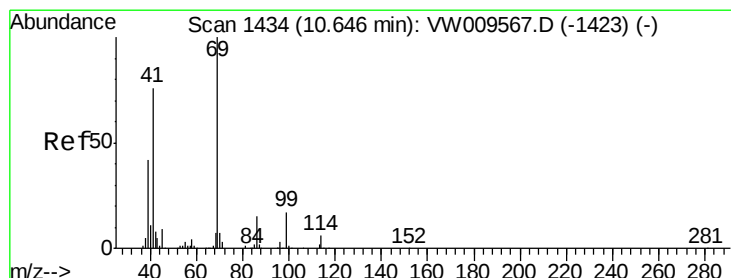
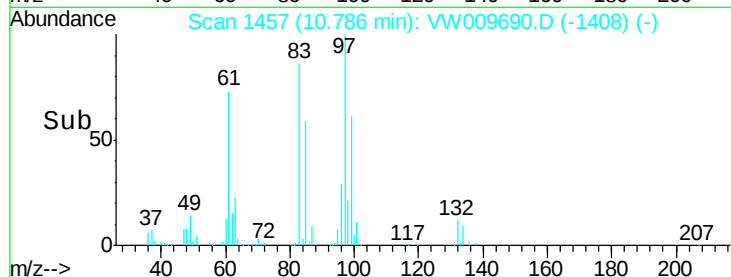
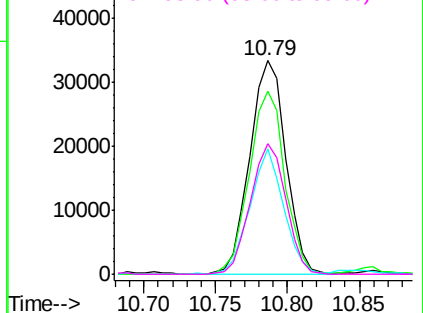
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.351 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

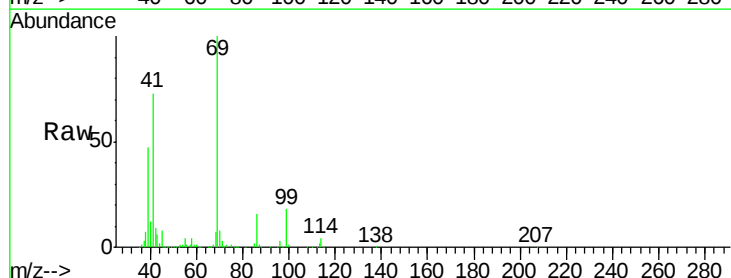
Tgt Ion: 69 Resp: 70897

Ion Ratio Lower Upper

69 100

41 76.2 59.3 88.9

39 48.0 36.2 54.2

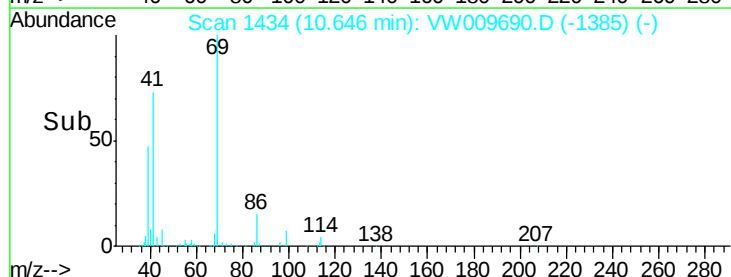
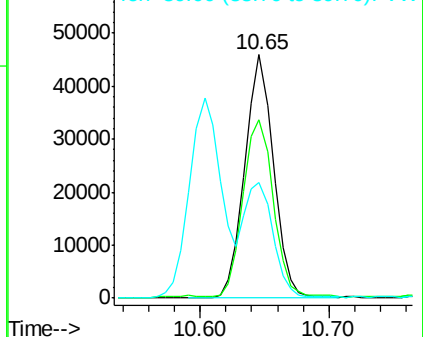


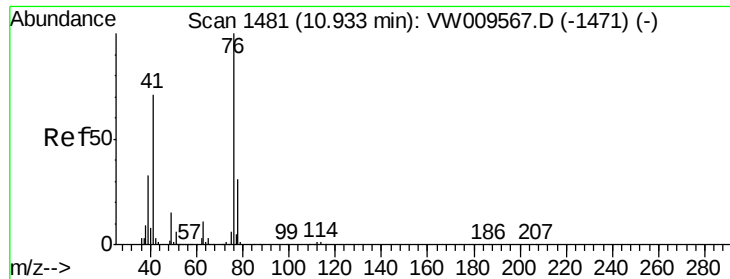
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





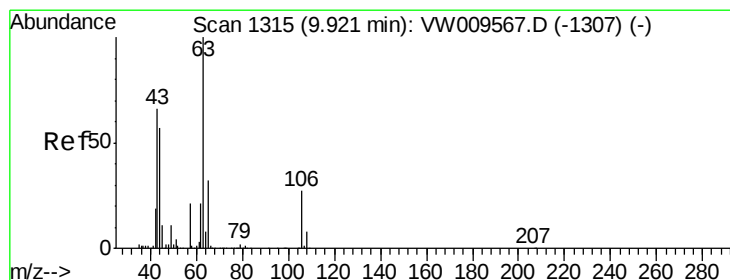
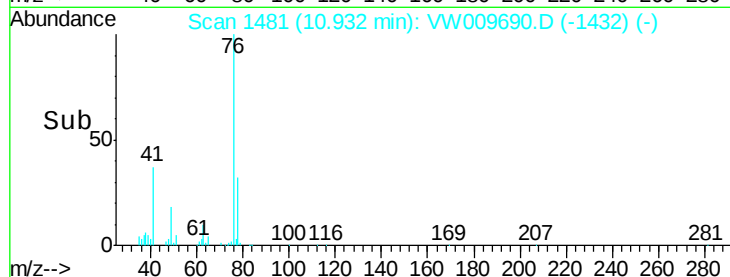
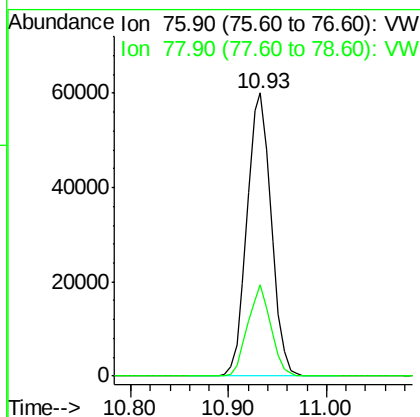
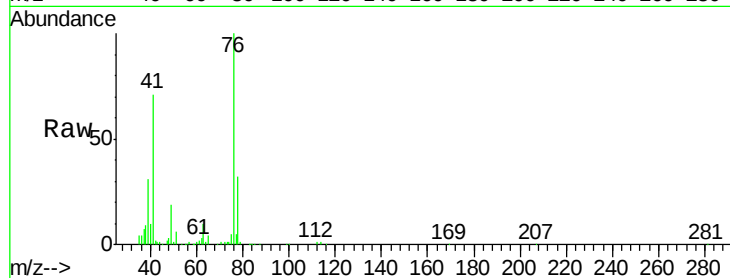
#57
 1,3-Dichloropropane
 Concen: 21.579 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0404SBSD01

Tot Ion: 76 Resp: 103075
 Ion Ratio Lower Upper
 76 100
 78 31.0 25.8 38.6

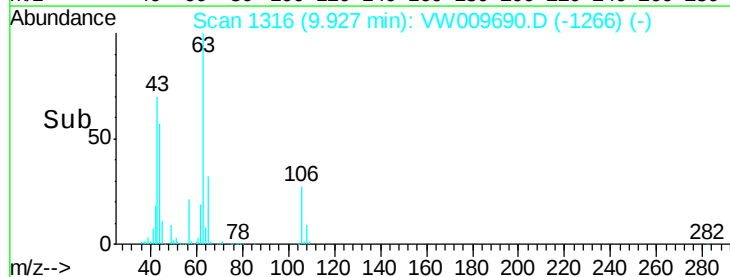
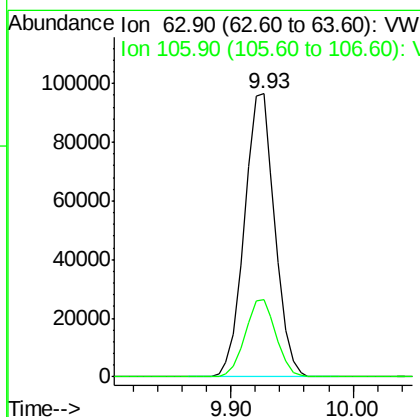
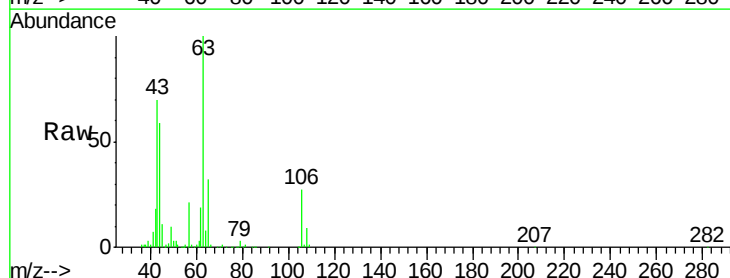
Manual Integrations
 APPROVED

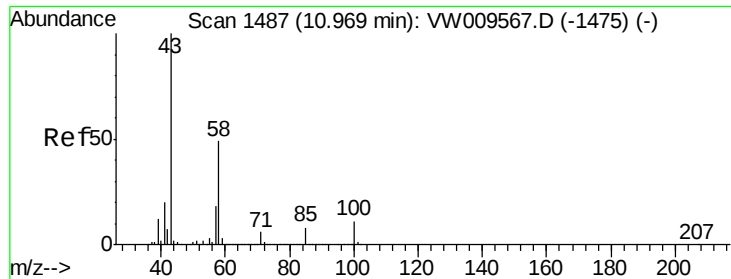
mohammad
 4/5/2019 3:51:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.284 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW009690.D
 Acq: 04 Apr 2019 12:22

Tgt Ion: 63 Resp: 166466
 Ion Ratio Lower Upper
 63 100
 106 27.8 22.9 34.3





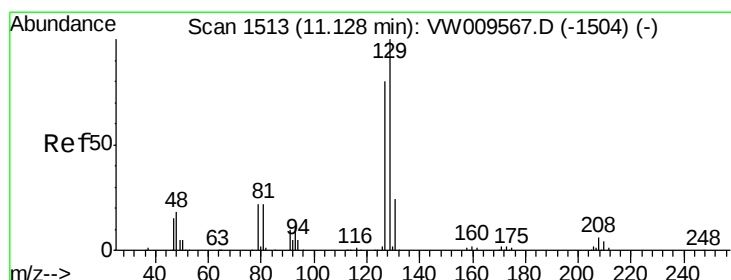
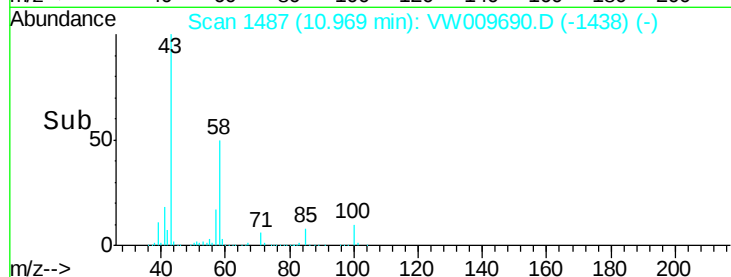
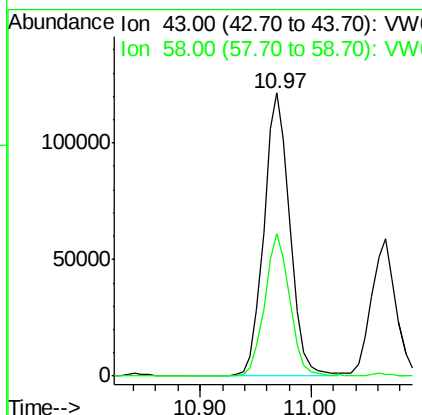
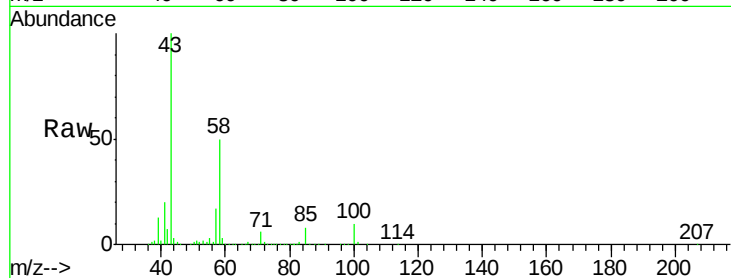
#59
2-Hexanone
Concen: 107.527 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	43	Resp	196775
Ion Ratio	43	100	
Lower	58	48.6	24.2
Upper			72.6

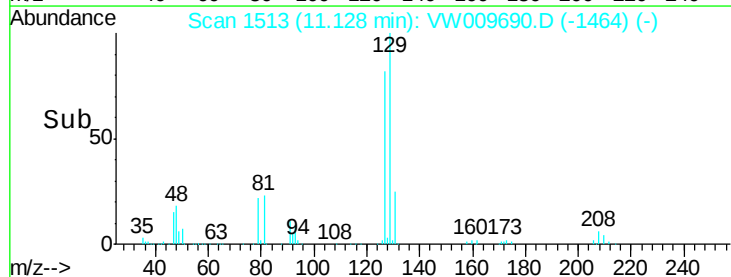
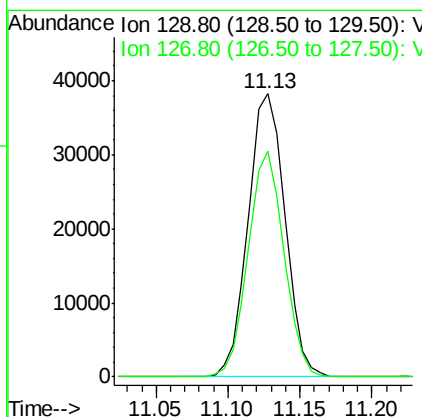
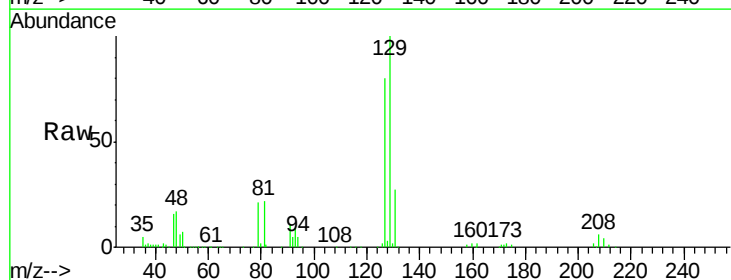
Manual Integrations
APPROVED

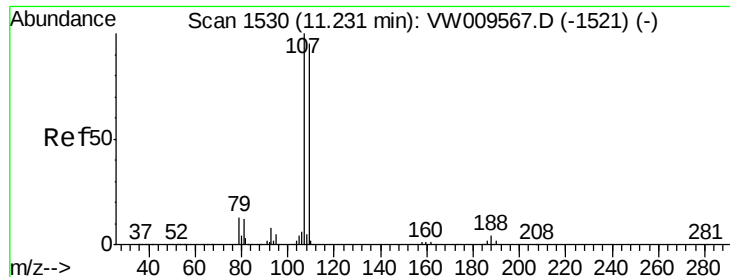
mohammad
4/5/2019 3:51:03 PM



#60
Dibromochloromethane
Concen: 20.797 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	129	Resp	67670
Ion Ratio	129	100	
Lower	127	77.3	38.1
Upper			114.5





#61

1,2-Dibromoethane

Concen: 21.494 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampled :

VW0404SBSD01

Tot Ion: 107 Resp: 55541

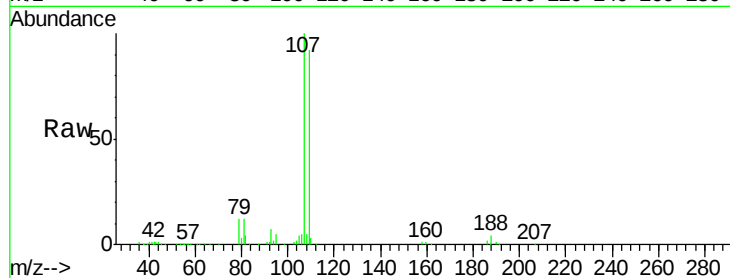
Ion Ratio Lower Upper

107 100

109 94.4 75.1 112.7

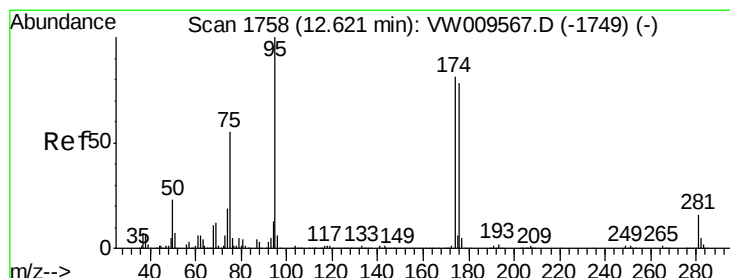
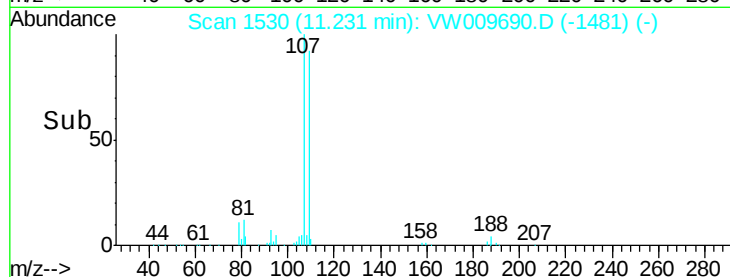
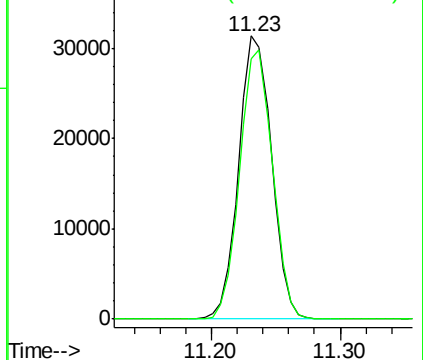
Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.925 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

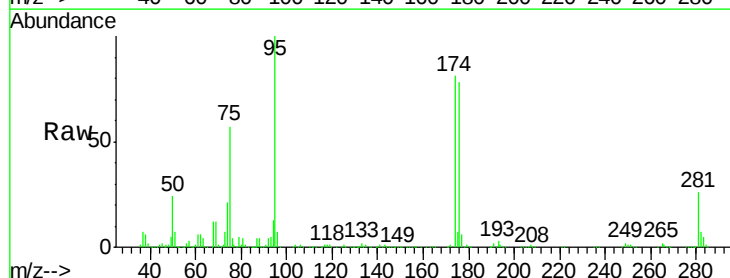
Tgt Ion: 95 Resp: 230771

Ion Ratio Lower Upper

95 100

174 79.3 0.0 168.4

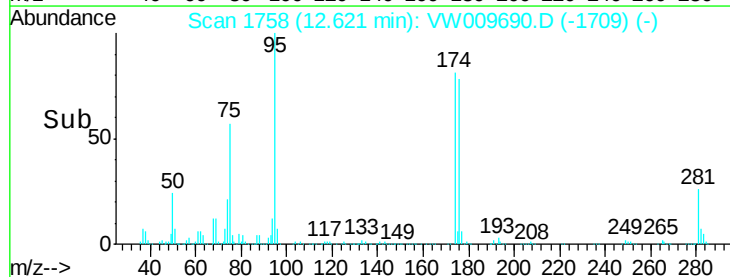
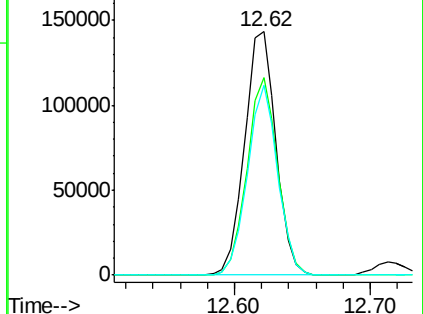
176 75.3 0.0 161.6

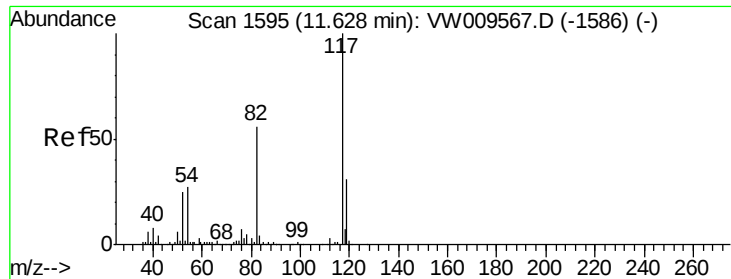


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





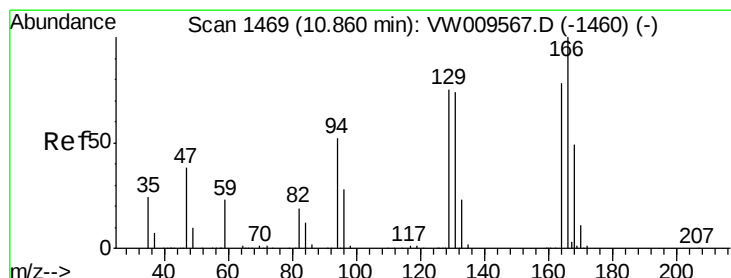
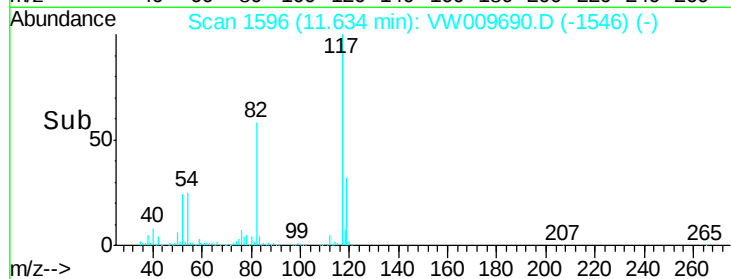
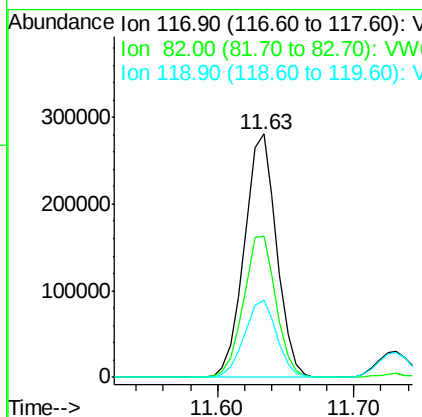
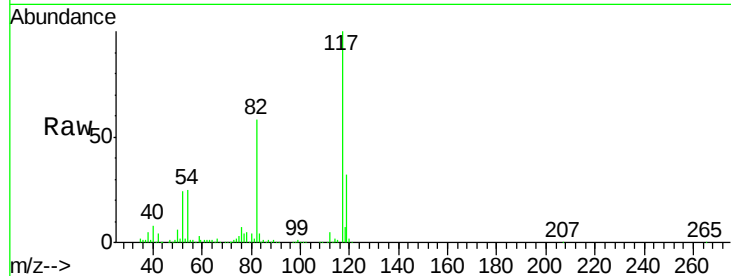
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	464592		
82	58.0	43.6	65.4	
119	31.6	26.0	39.0	

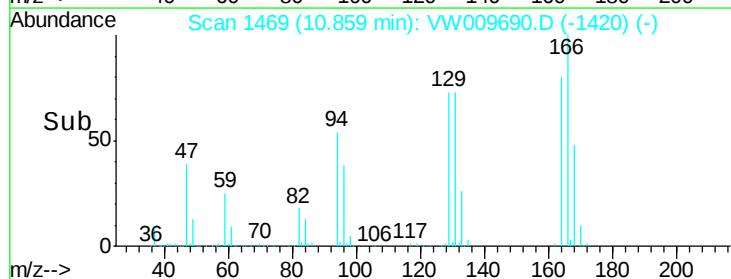
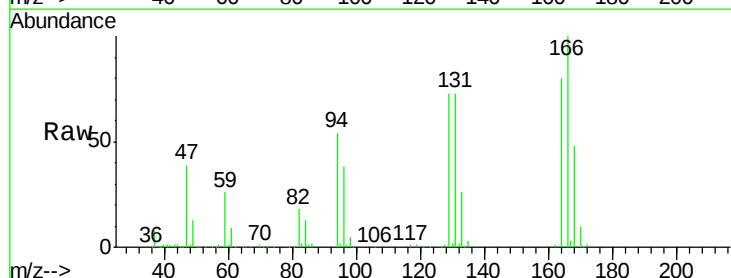
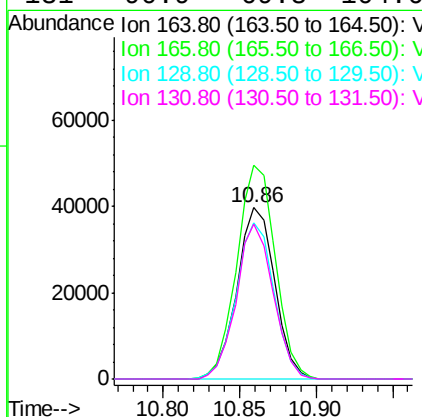
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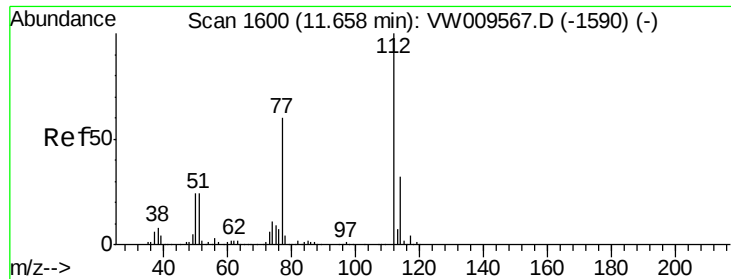
mohammad
4/5/2019 3:51:03 PM



#64
Tetrachloroethene
Concen: 21.566 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	68029		
166	124.9	100.9	151.3	
129	91.6	72.0	108.0	
131	90.9	69.8	104.6	





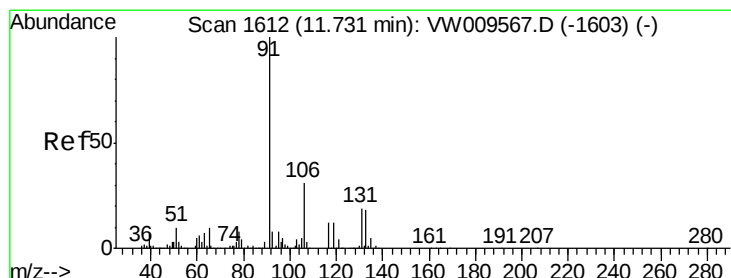
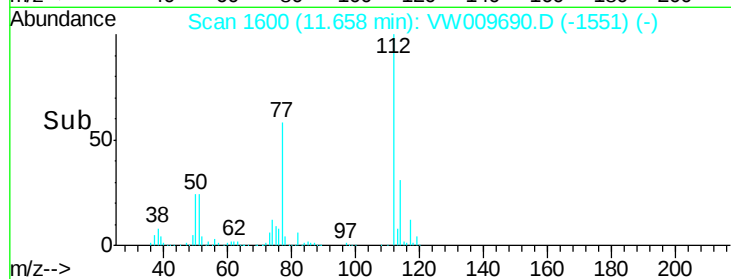
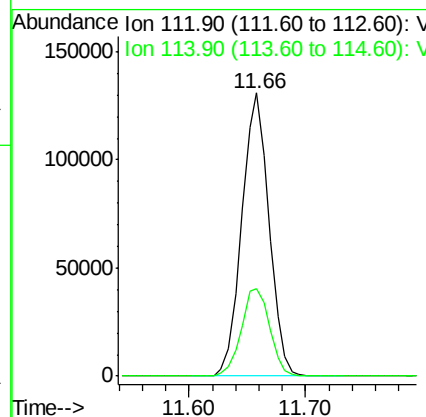
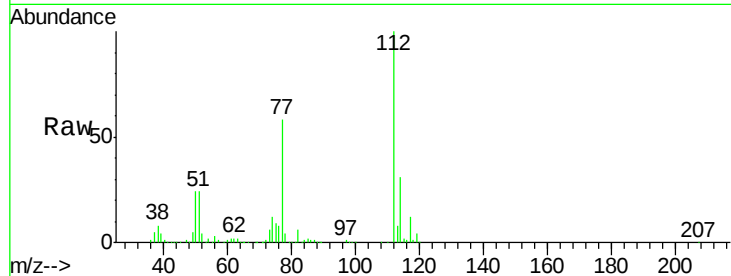
#65
Chlorobenzene
Concen: 21.774 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.6	38.4

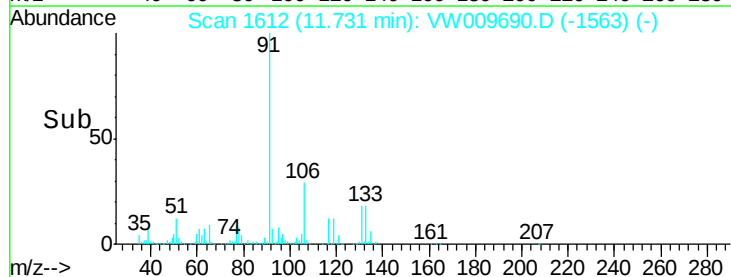
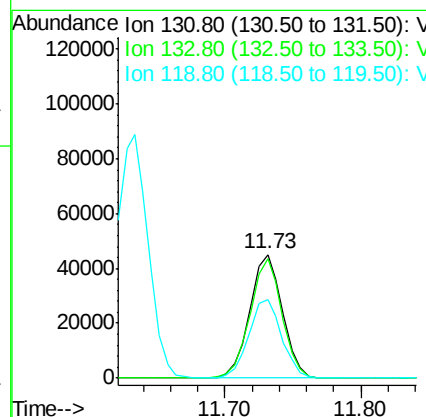
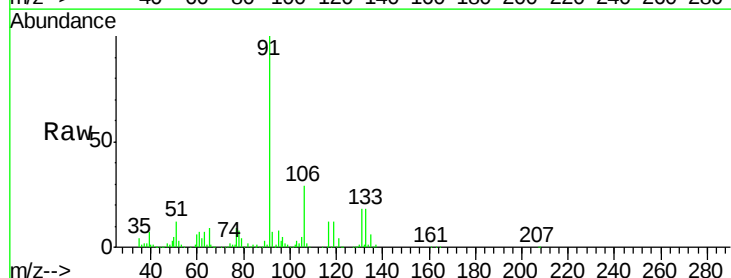
Manual Integrations
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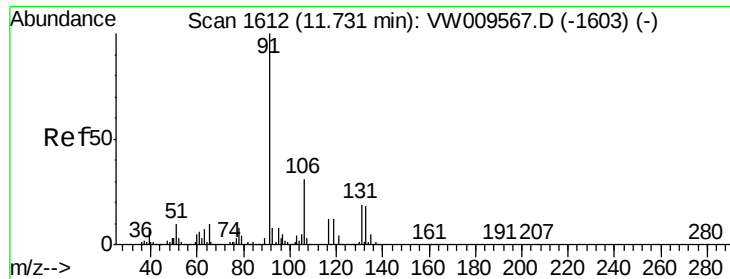
mohammad
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.134 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.8
119	64.3	31.6	95.0





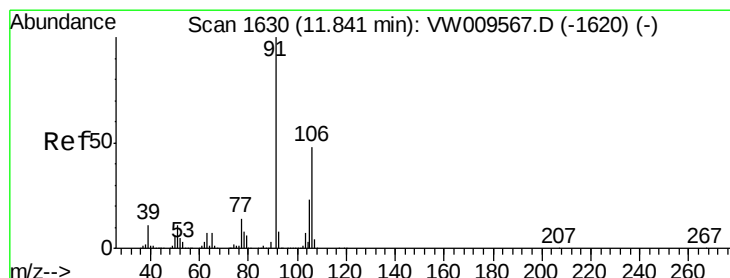
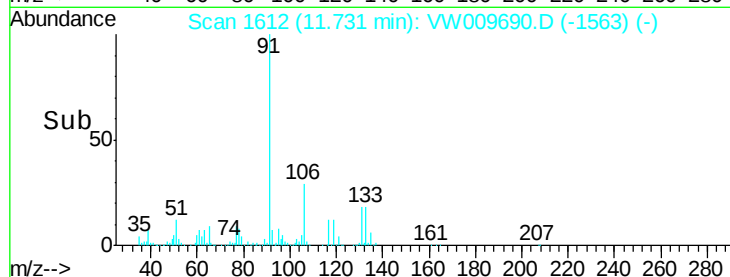
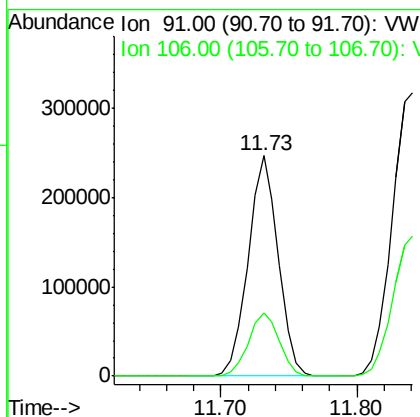
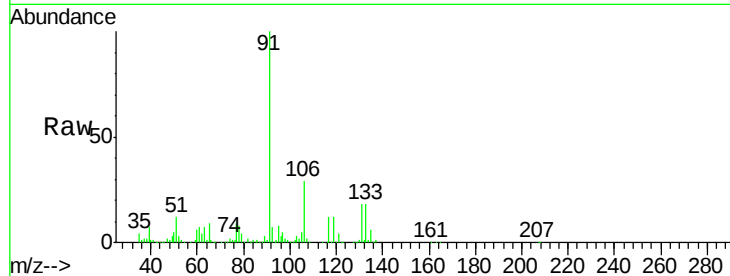
#67
Ethyl Benzene
Concen: 22.109 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	28.6	24.6	36.8	

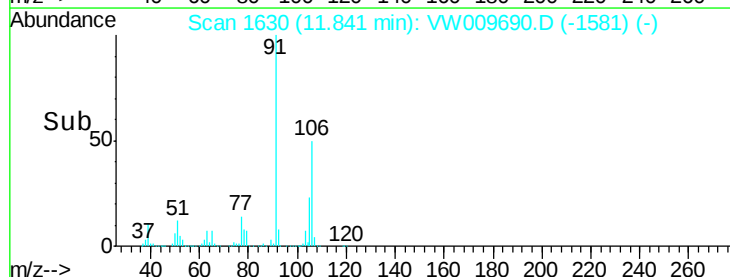
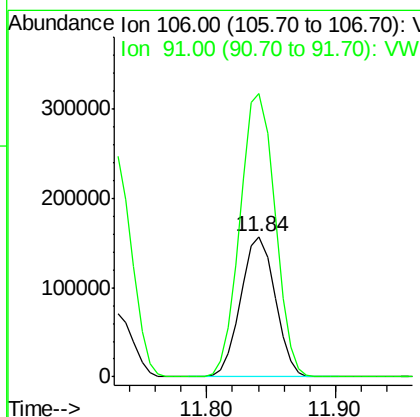
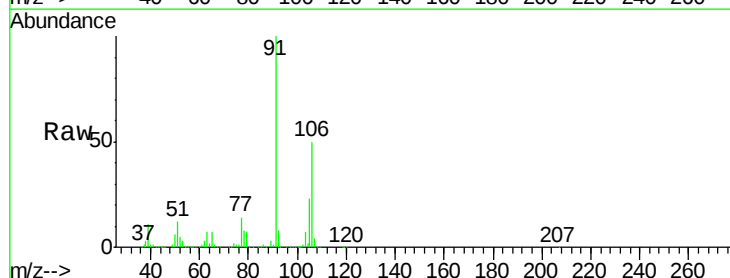
Manual Integrations
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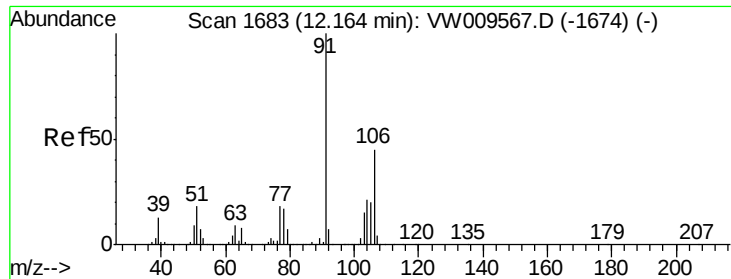
mohammad
4/5/2019 3:51:03 PM



#68
m/p-Xylenes
Concen: 44.406 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.1	163.1	244.7	





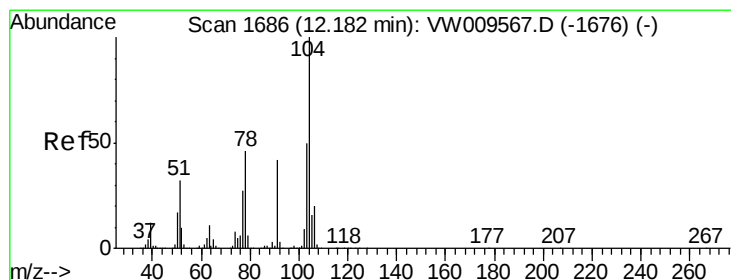
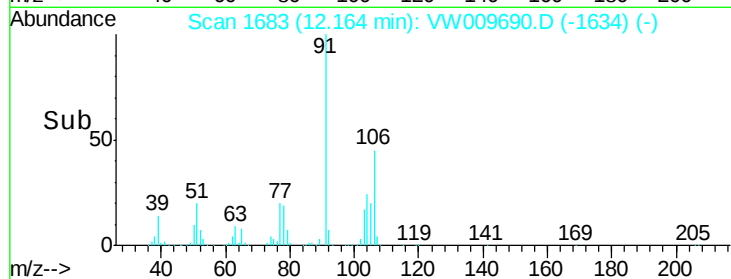
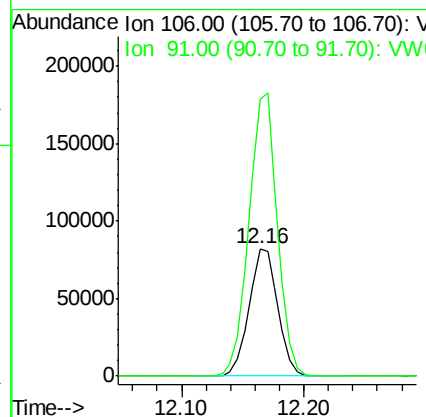
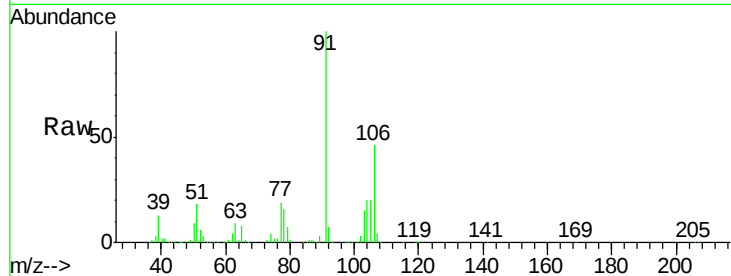
#69
o-Xylene
Concen: 21.935 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	133715		
91	91	220.8	108.6	325.8	

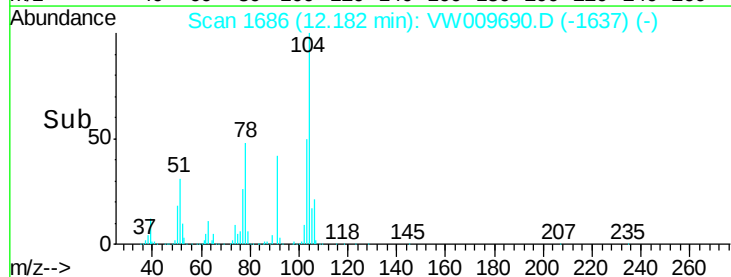
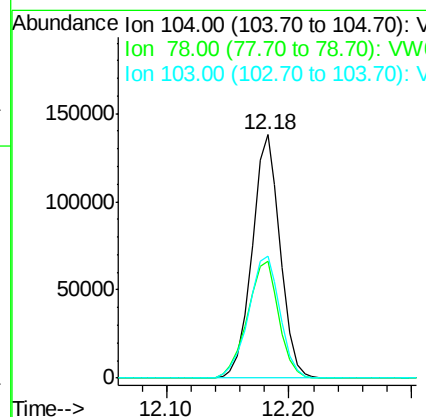
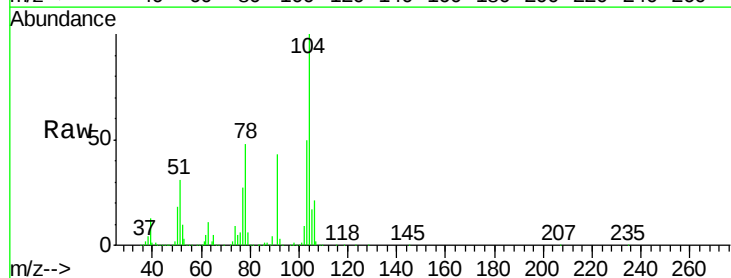
Manual Integrations
APPROVED

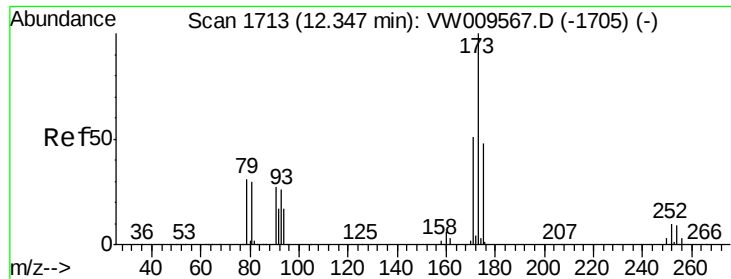
mohammad
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#70
Styrene
Concen: 21.525 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	219168		
78	78	53.8	42.2	63.4	
103	103	56.6	44.6	66.8	





#71

Bromoform

Concen: 20.676 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

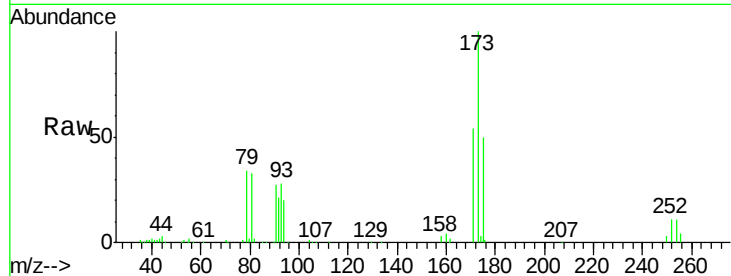
ClientSampleId :

VW0404SBSD01

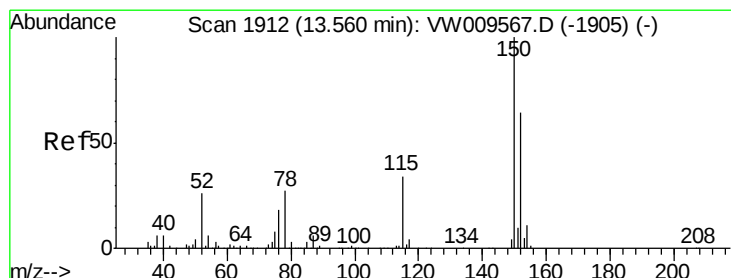
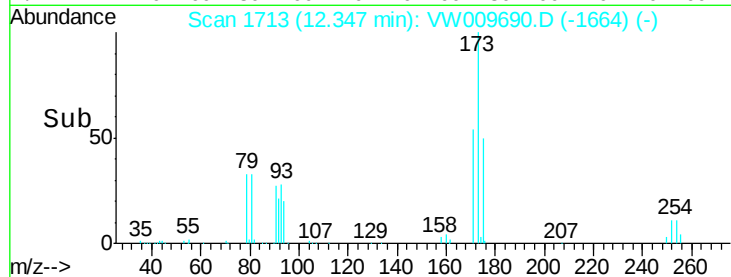
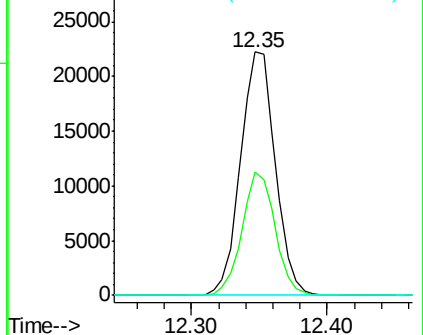
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.4
254	0.0	0.2	0.4

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

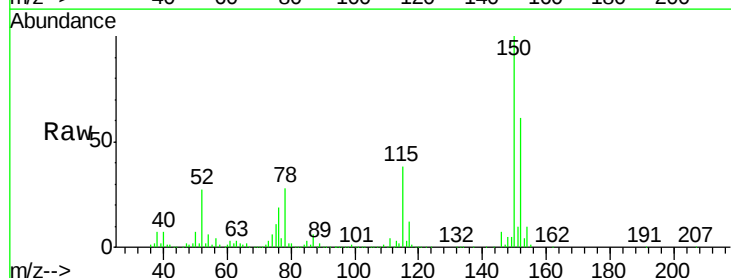
RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

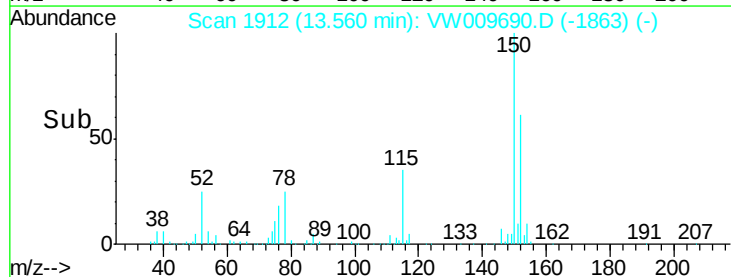
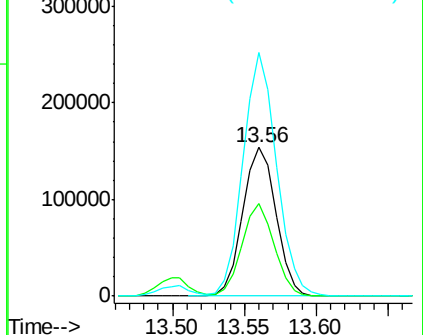
Lab File: VW009690.D

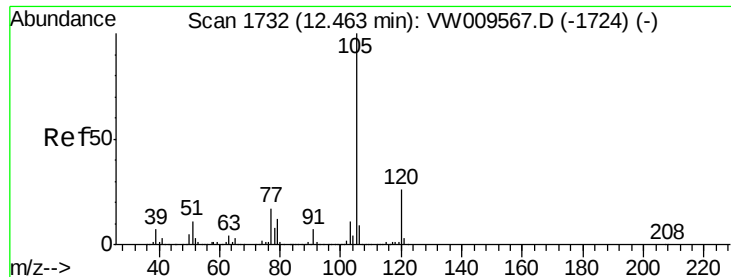
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.3	29.6	88.8
150	164.8	0.0	349.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.414 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

Tot Ion:105 Resp: 383331

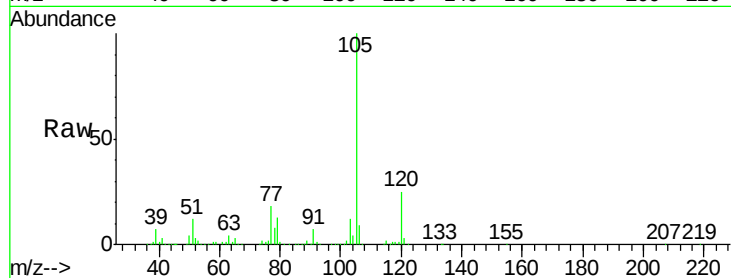
Ion Ratio Lower Upper

105 100

120 26.2 13.0 39.0

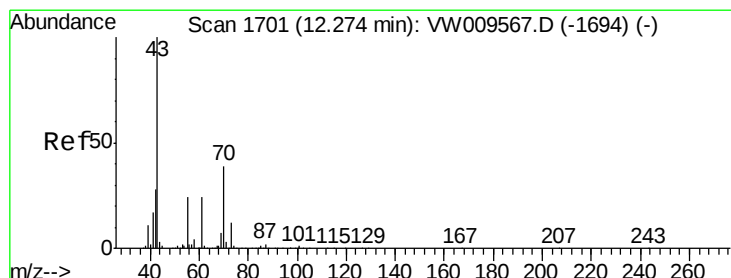
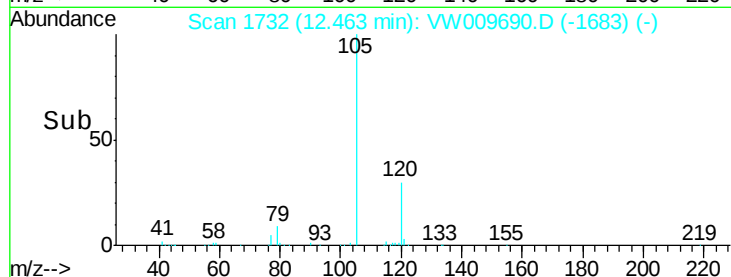
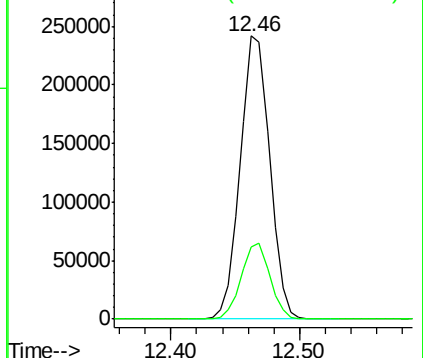
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.226 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion: 43 Resp: 100208

Ion Ratio Lower Upper

43 100

70 38.5 30.6 46.0

55 24.6 19.3 28.9

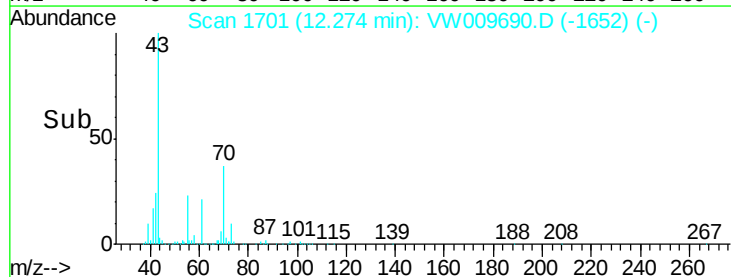
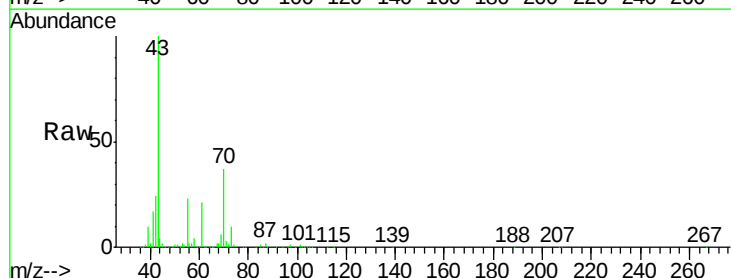
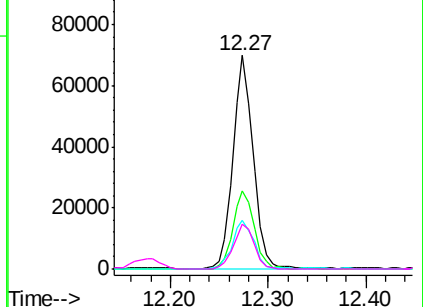
61 21.5 17.0 25.4

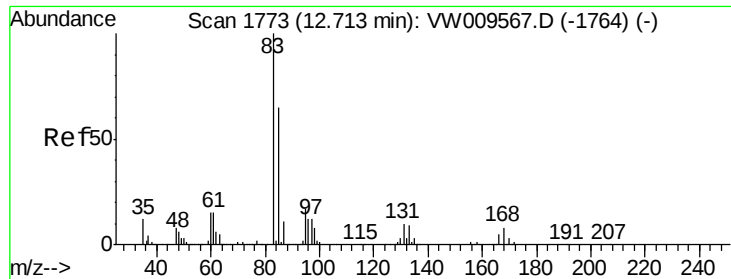
Abundance Ion 43.00 (42.70 to 43.70): VW

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: 21.136 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

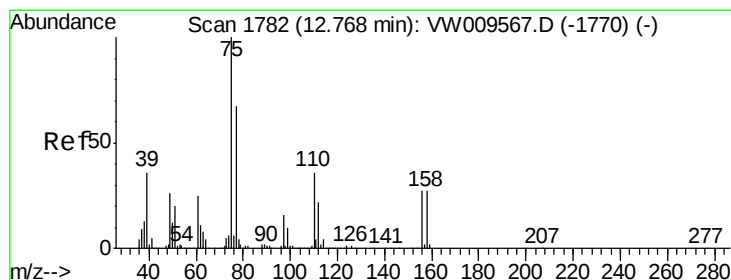
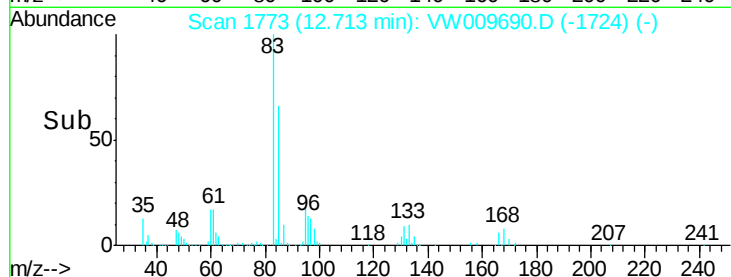
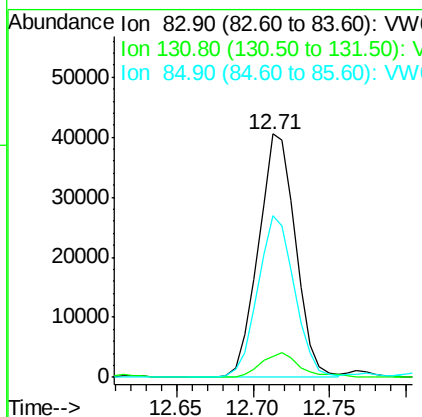
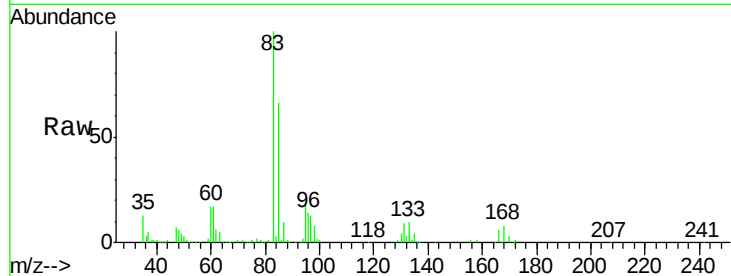
ClientSampleId :

VW0404SBSD01

Tot Ion:	83	Resp:	68361
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	16.1
85	65.8	32.6	97.8

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#76

1,2,3-Trichloropropane

Concen: 21.216 ug/l m

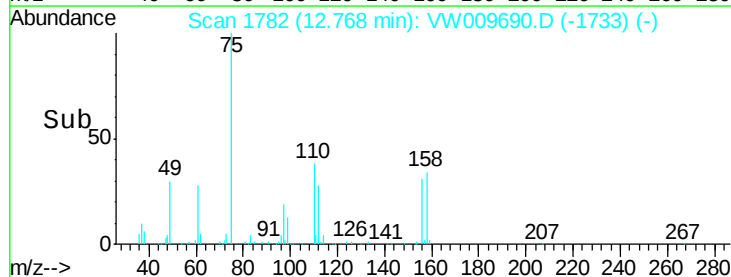
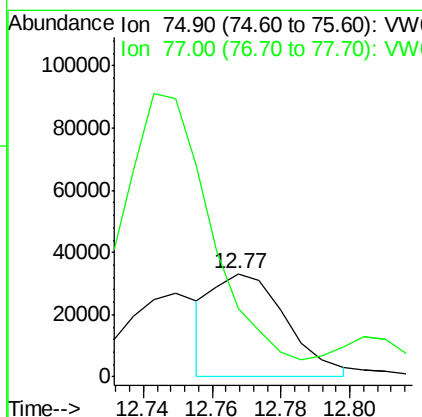
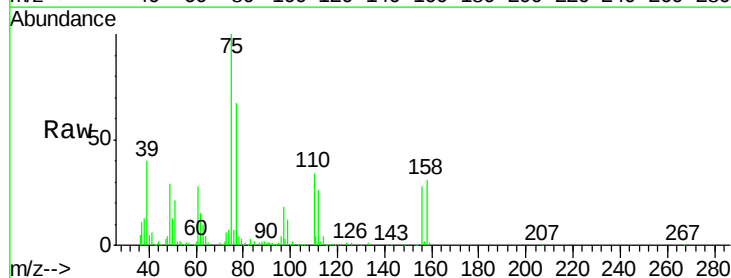
RT: 12.77 min Scan# 1782

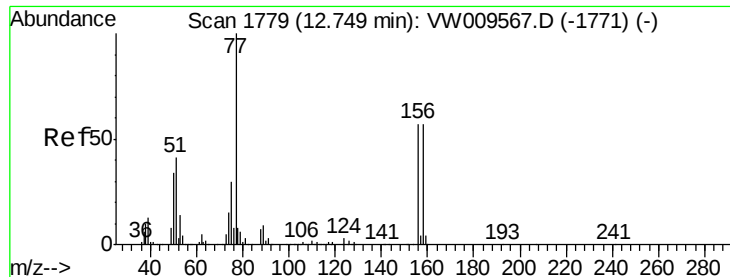
Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	75	Resp:	49031
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





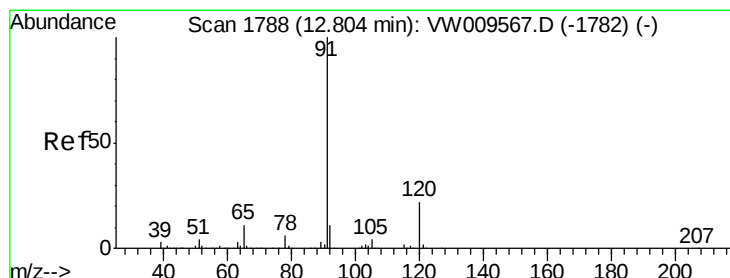
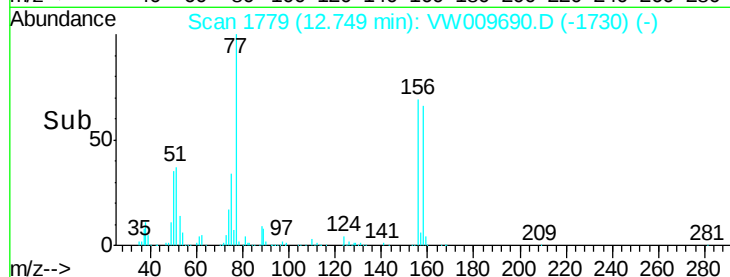
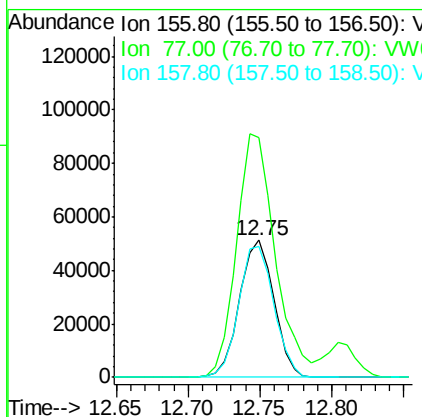
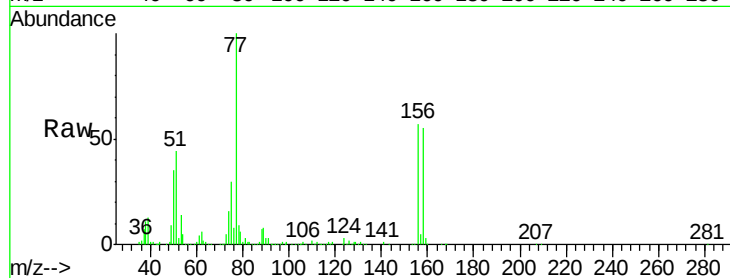
#77
Bromobenzene
Concen: 21.578 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	199.5	96.0	288.0
158	98.4	49.1	147.3

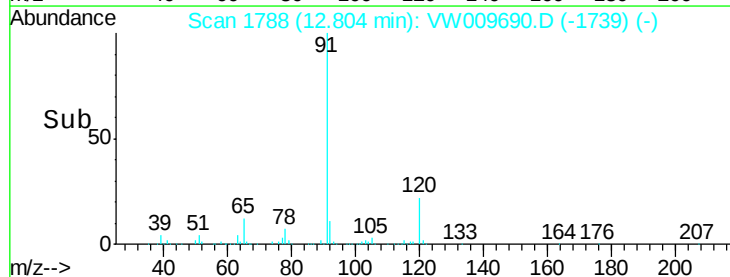
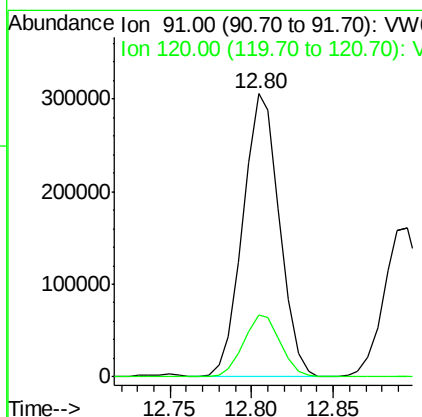
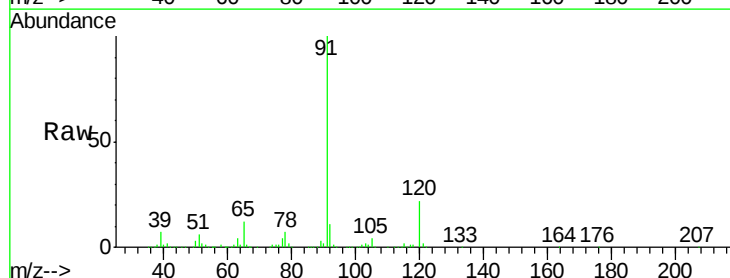
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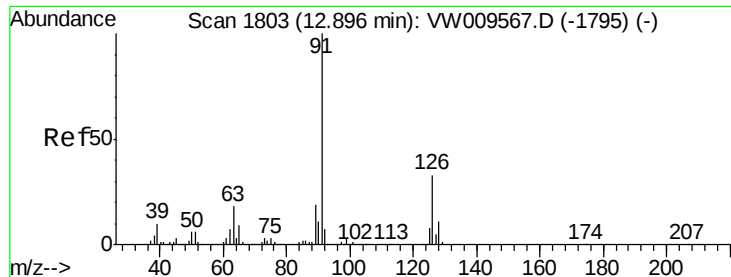
mohammad
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#78
n-propylbenzene
Concen: 22.526 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.1	33.3





#79

2-Chlorotoluene

Concen: 22.257 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBSD01

Tot Ion: 91 Resp: 266757

Ion Ratio Lower Upper

91 100

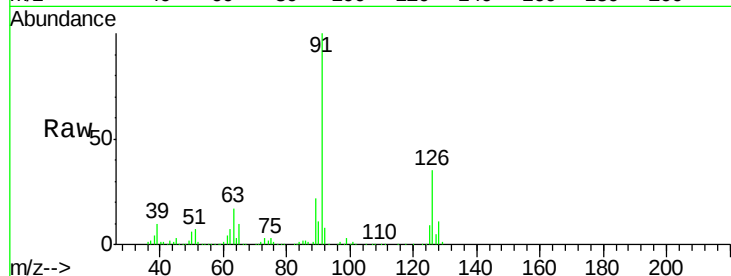
126 32.9 17.0 51.0

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

200000

150000

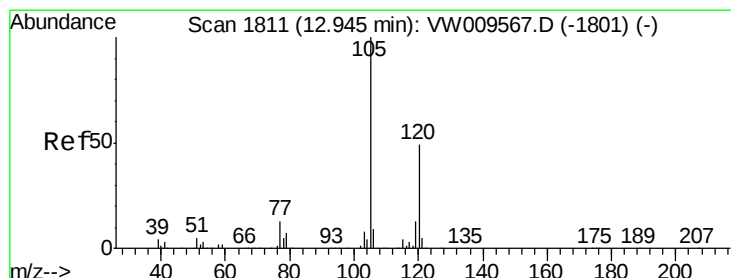
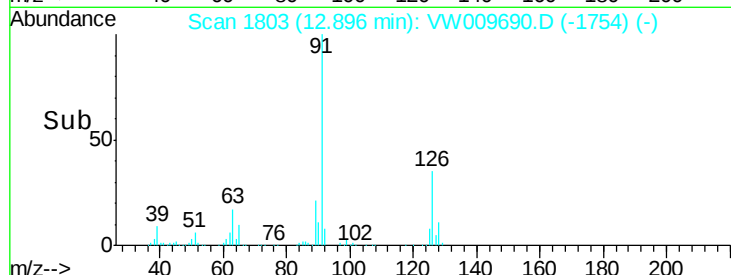
100000

50000

0

Time-->

12.85 12.90 12.95



#80

1,3,5-Trimethylbenzene

Concen: 22.422 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW009690.D

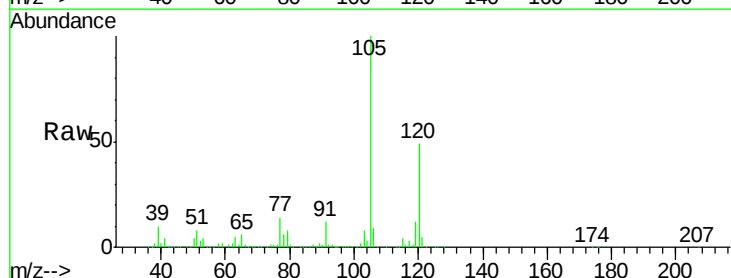
Acq: 04 Apr 2019 12:22

Tgt Ion:105 Resp: 322938

Ion Ratio Lower Upper

105 100

120 48.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

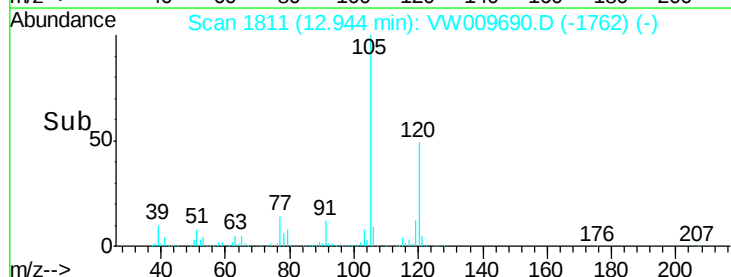
100000

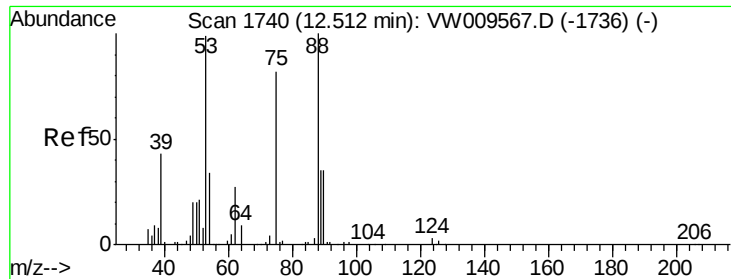
50000

0

Time-->

12.90 13.00





#81

trans-1,4-Dichloro-2-butene

Concen: 21.290 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

Tot Ion: 75 Resp: 21158

Ion Ratio Lower Upper

75 100

53 113.1 86.7 130.1

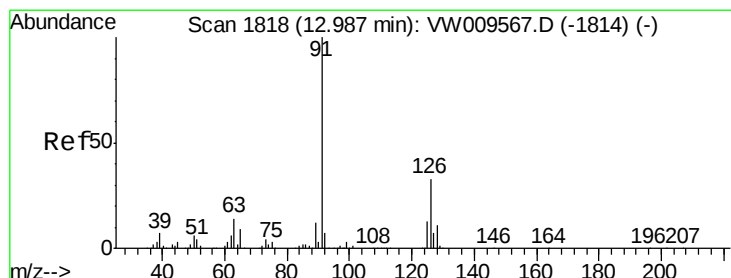
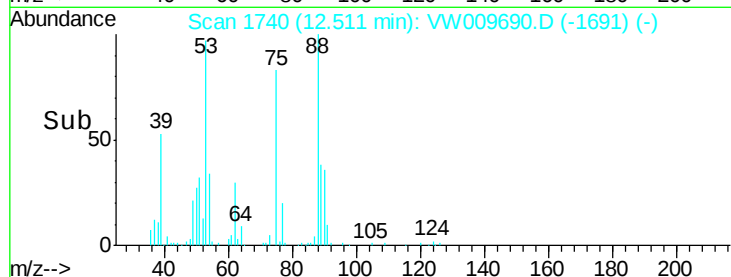
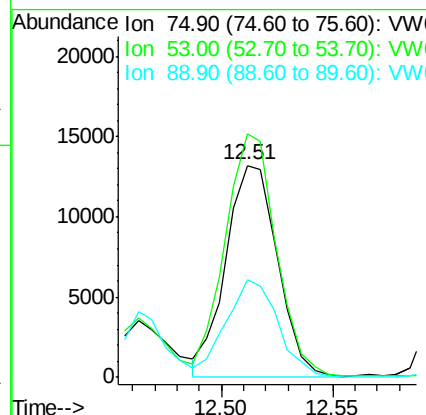
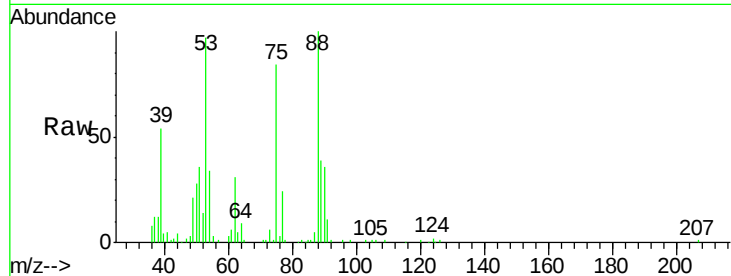
89 46.9 36.4 54.6

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#82

4-Chlorotoluene

Concen: 22.550 ug/l

RT: 12.99 min Scan# 1818

Delta R.T. -0.00 min

Lab File: VW009690.D

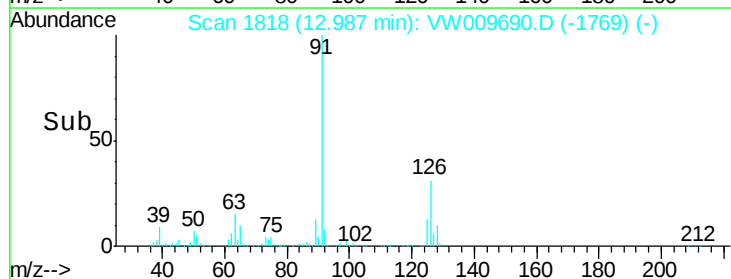
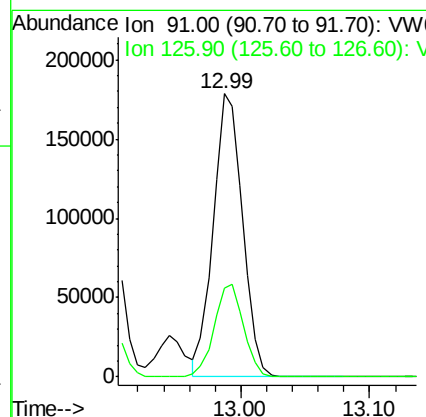
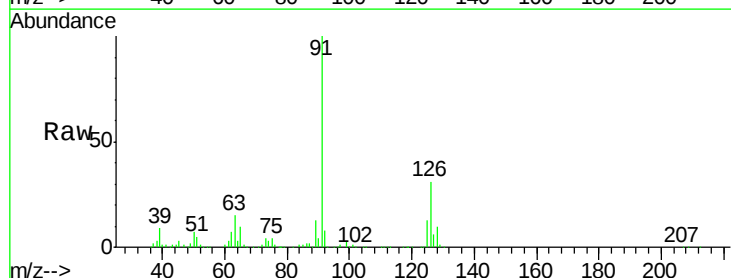
Acq: 04 Apr 2019 12:22

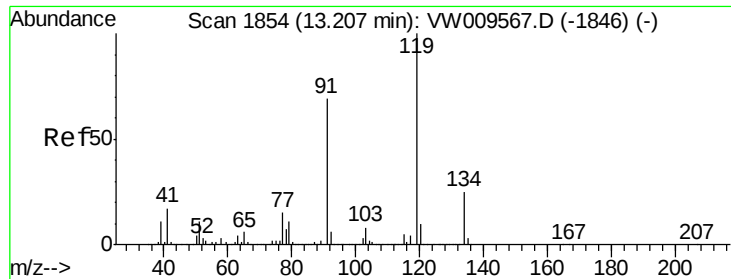
Tgt Ion: 91 Resp: 284433

Ion Ratio Lower Upper

91 100

126 32.8 16.9 50.6





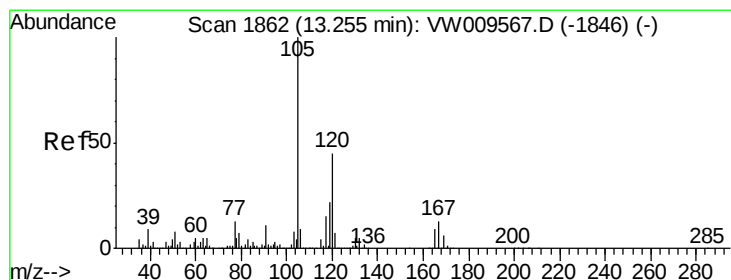
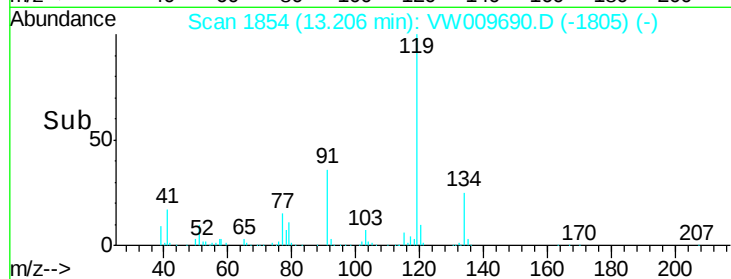
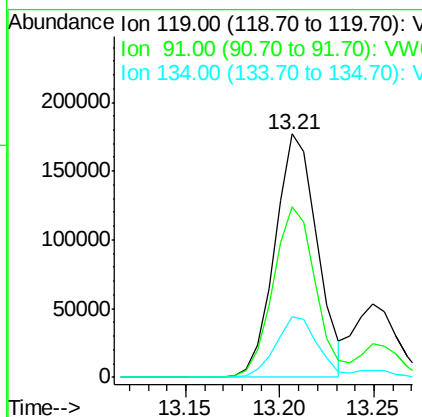
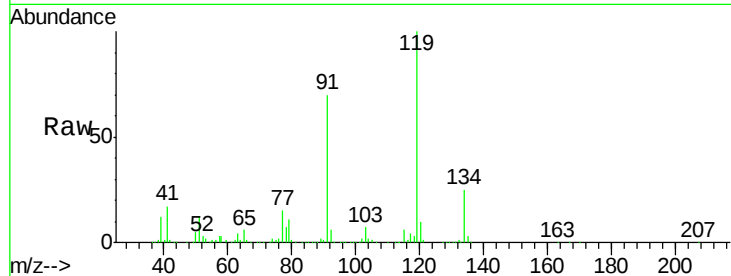
#83
tert-Butylbenzene
Concen: 22.454 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	34.4	103.2
134	25.0	12.7	38.1

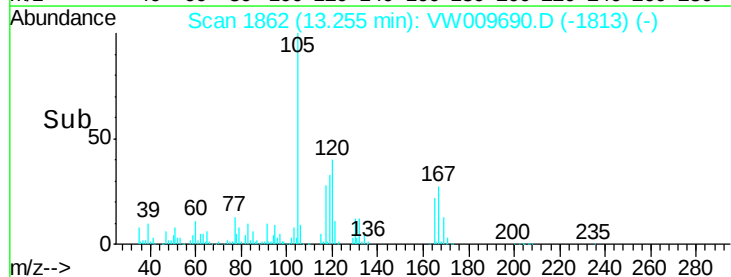
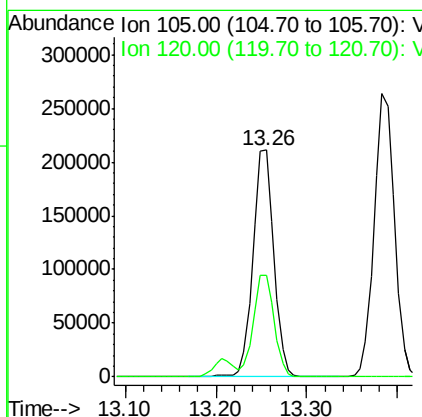
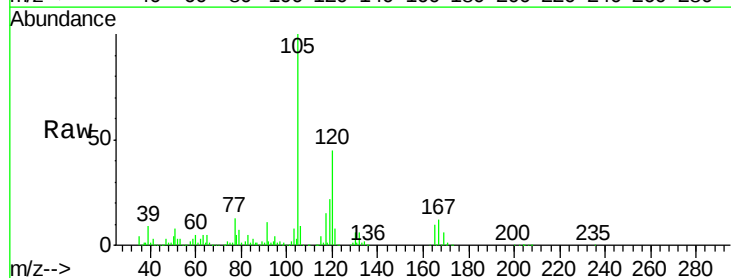
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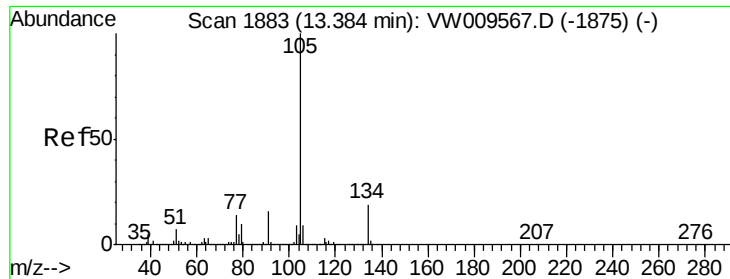
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#84
1,2,4-Trimethylbenzene
Concen: 22.740 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.8	68.3





#85

sec-Butylbenzene

Concen: 22.184 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

ClientSampleId :

VW0404SBS01

Tot Ion:105 Resp: 410345

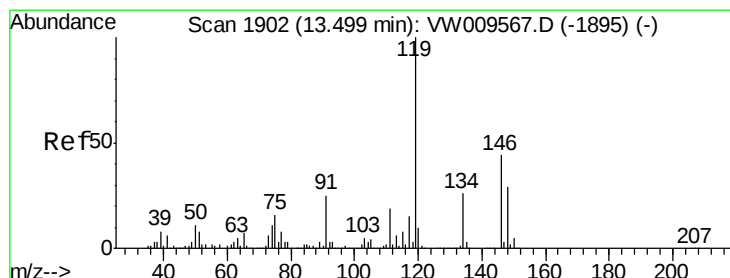
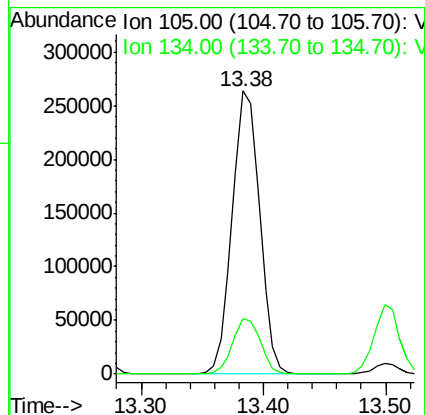
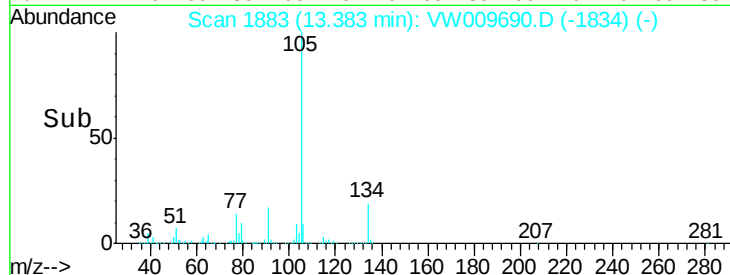
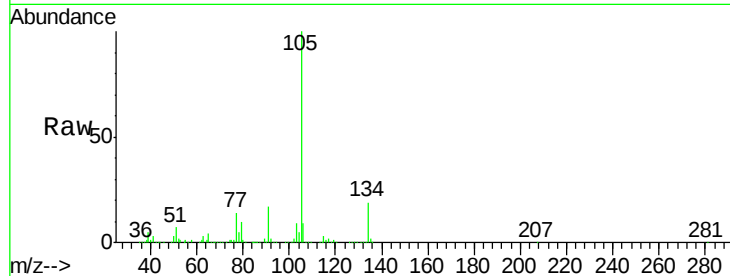
Ion Ratio Lower Upper

105 100

134 19.8 10.2 30.6

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#86

p-Isopropyltoluene

Concen: 22.167 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

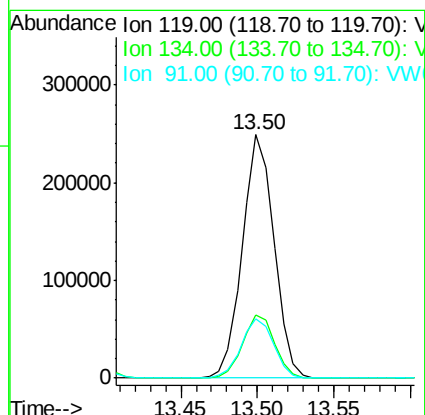
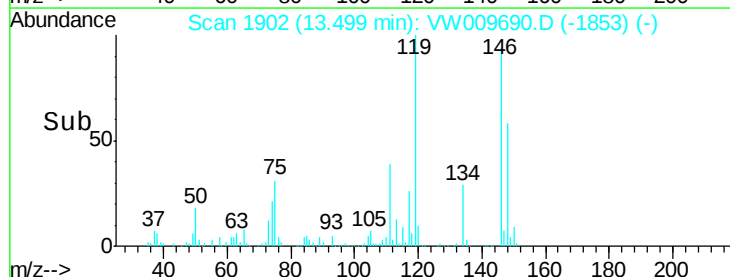
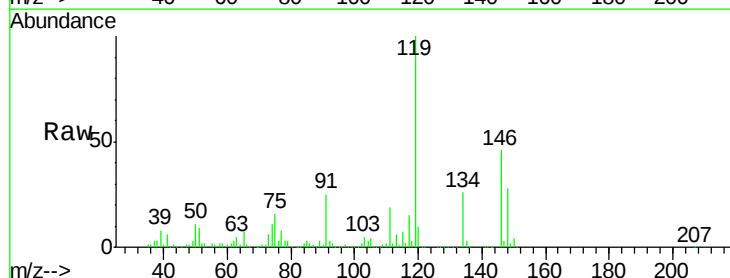
Tgt Ion:119 Resp: 356634

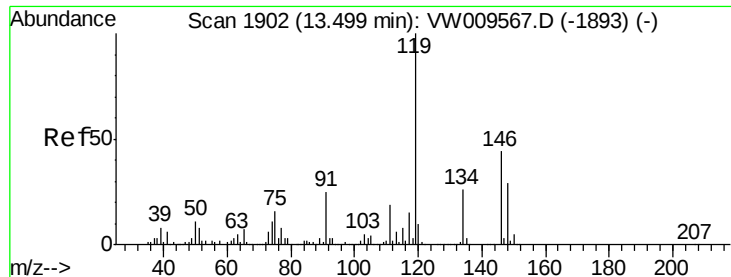
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 25.3 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 21.977 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

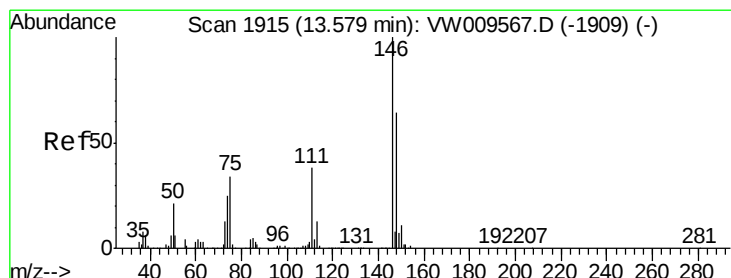
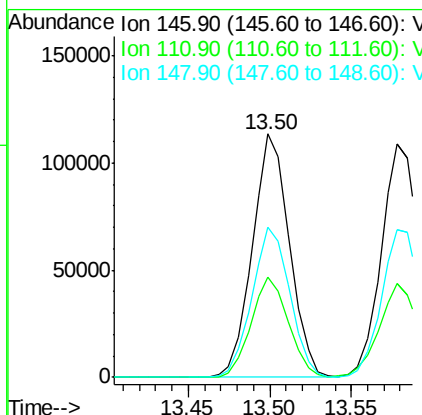
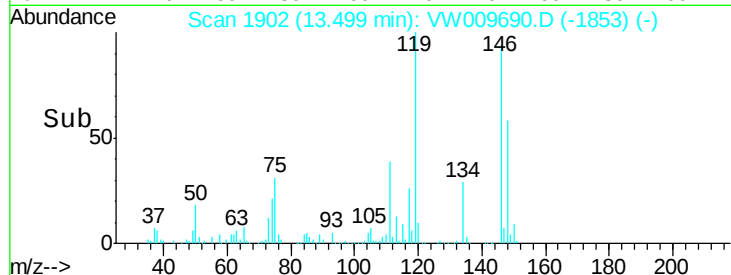
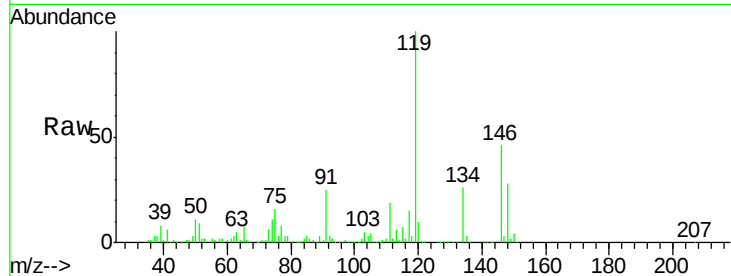
ClientSampleId :

VW0404SBS01

Tot Ion:	146	Resp:	178720
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.1	60.2
148	62.9	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 21.717 ug/l

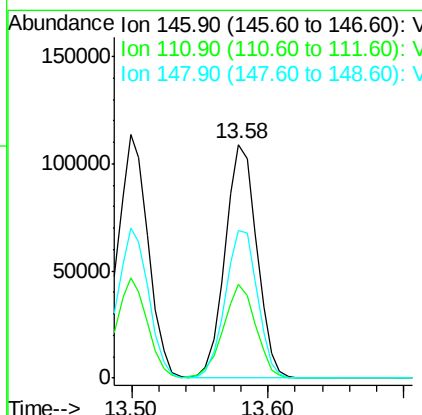
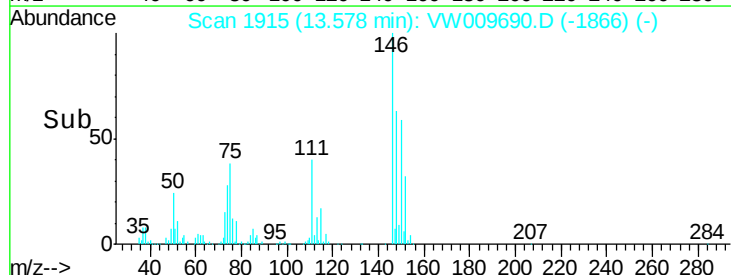
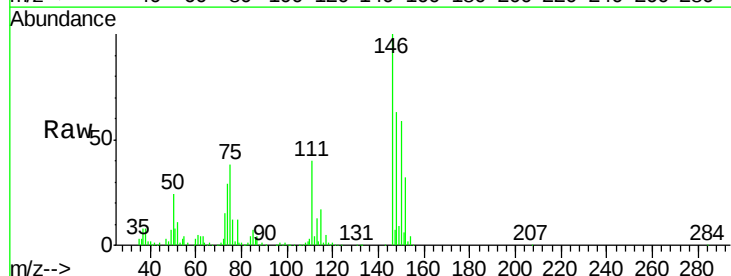
RT: 13.58 min Scan# 1915

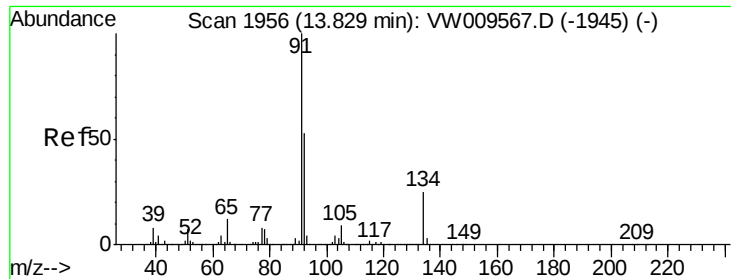
Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	146	Resp:	176395
Ion Ratio	Lower	Upper	
146	100		
111	41.1	19.9	59.6
148	64.3	32.2	96.6





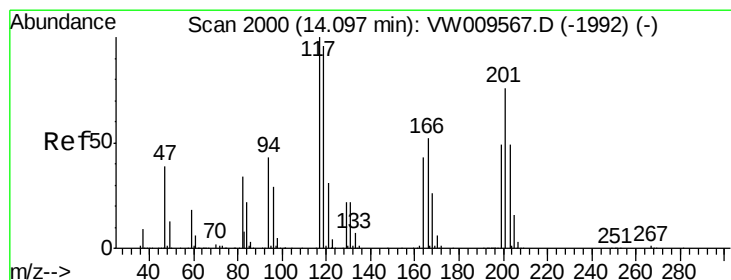
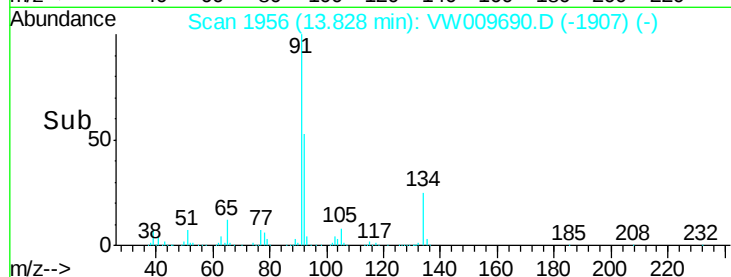
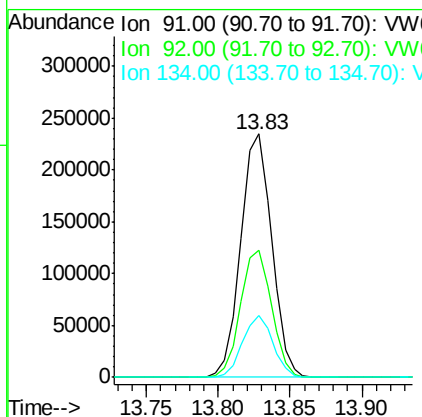
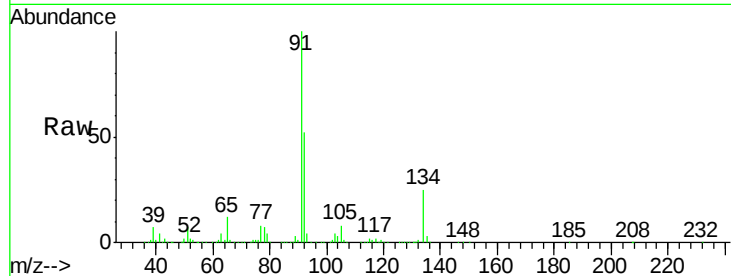
#89
n-Butylbenzene
Concen: 22.073 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	24.8	12.9	38.6

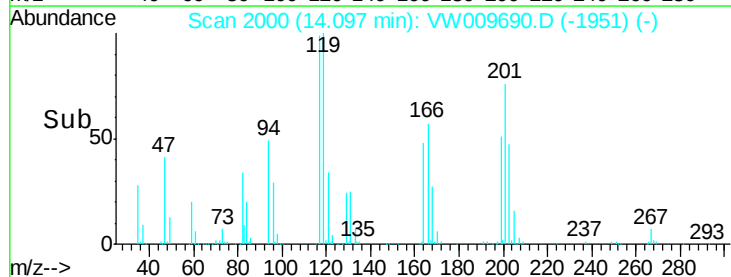
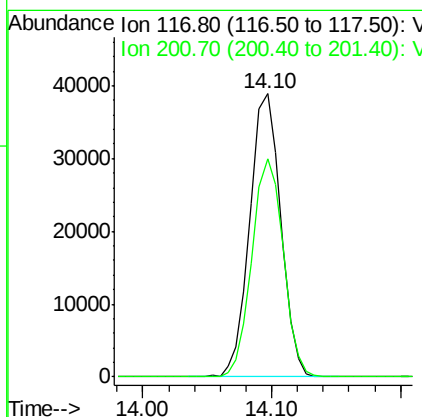
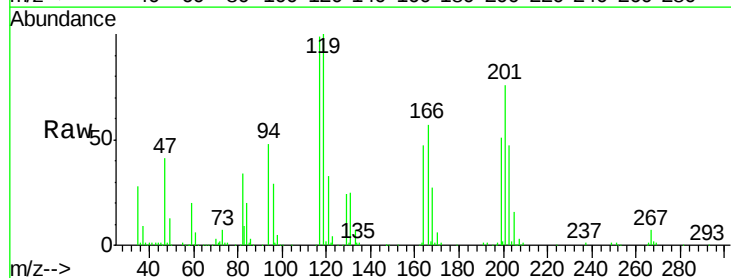
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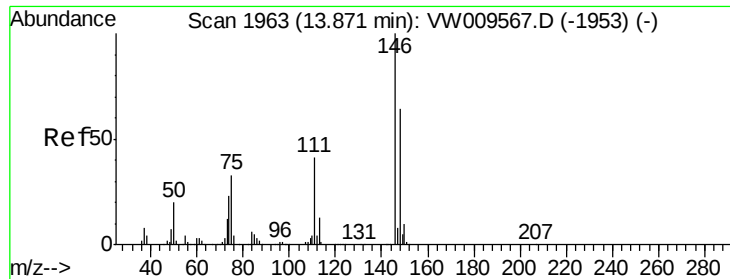
mohammad
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#90
Hexachloroethane
Concen: 20.953 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	38.2	114.6





#91

1,2-Dichlorobenzene

Concen: 21.781 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

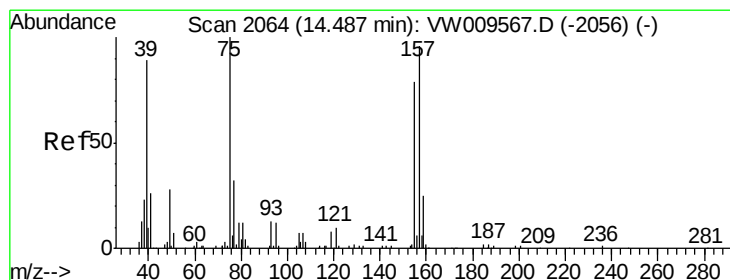
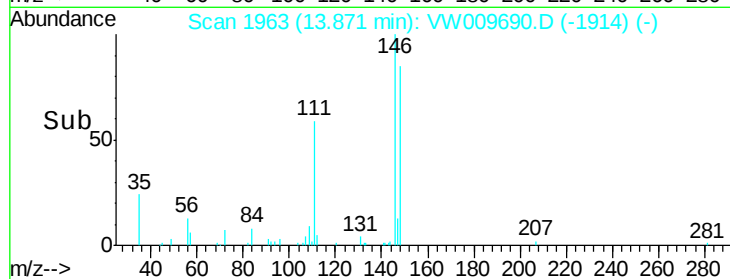
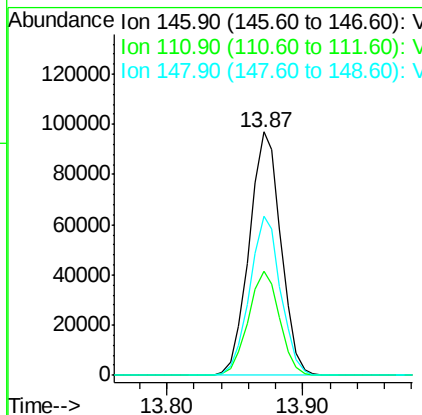
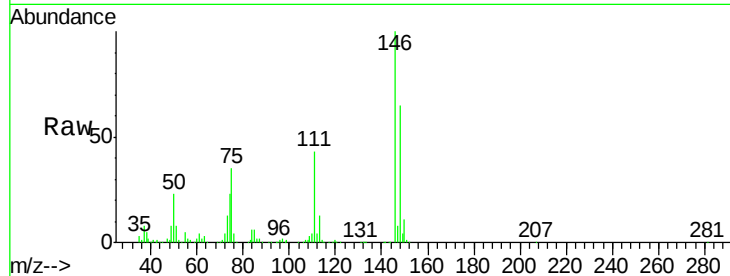
ClientSampleId :

VW0404SBSD01

Tot Ion:	146	Resp:	158388
Ion Ratio	Lower	Upper	
146	100		
111	42.3	20.4	61.2
148	64.2	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.671 ug/l

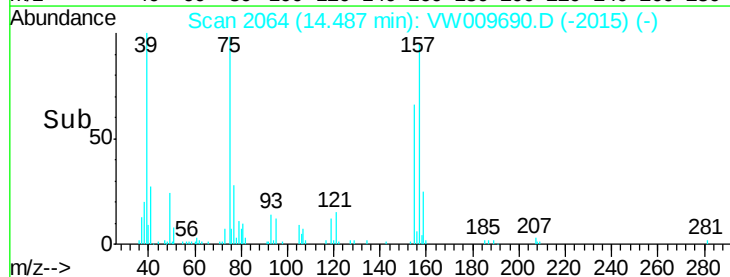
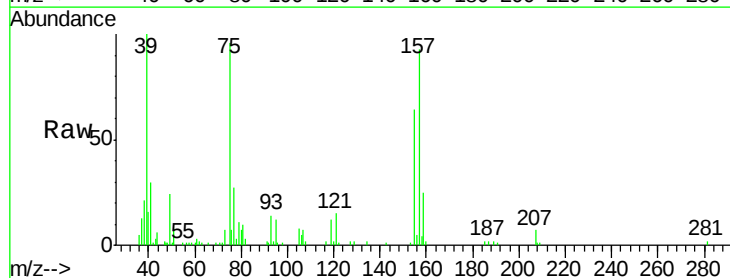
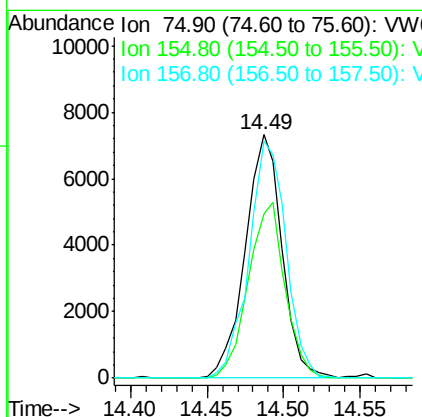
RT: 14.49 min Scan# 2064

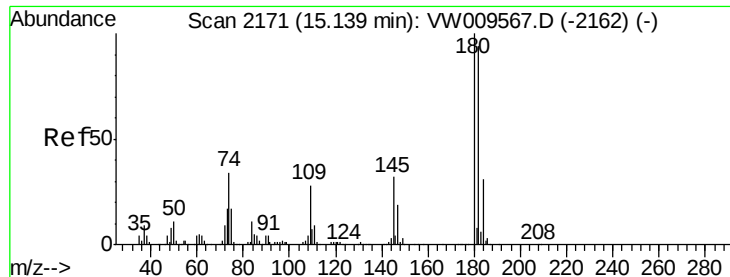
Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	75	Resp:	12205
Ion Ratio	Lower	Upper	
75	100		
155	72.1	39.3	117.8
157	98.7	49.5	148.5





#93

1,2,4-Trichlorobenzene

Concen: 22.038 ug/l

RT: 15.14 min Scan# 2171

Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Instrument :

MSVOA_W

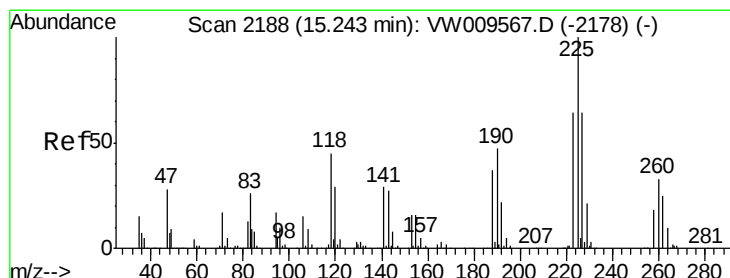
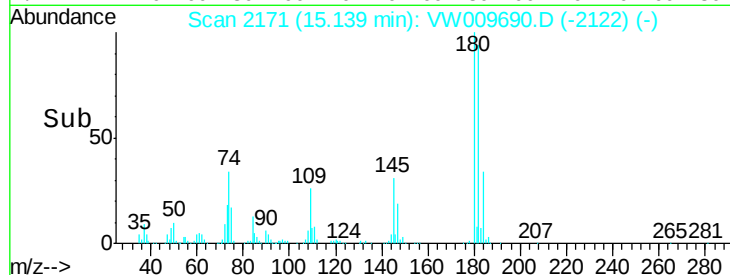
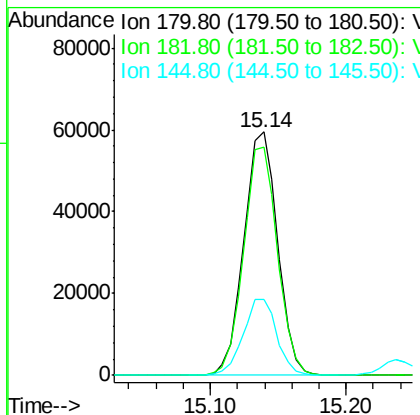
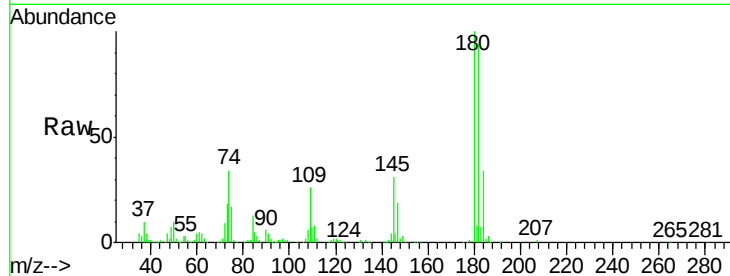
ClientSampleId :

VW0404SBSD01

Tot Ion:	180	Resp:	103203
Ion Ratio	Lower	Upper	
180	100		
182	94.3	47.9	143.7
145	31.4	15.0	45.0

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#94

Hexachlorobutadiene

Concen: 20.941 ug/l

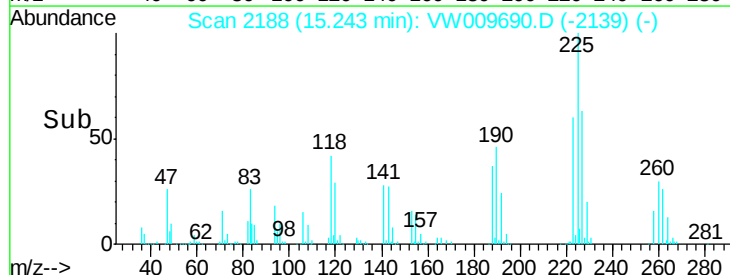
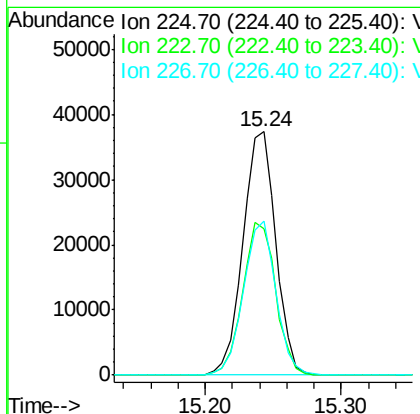
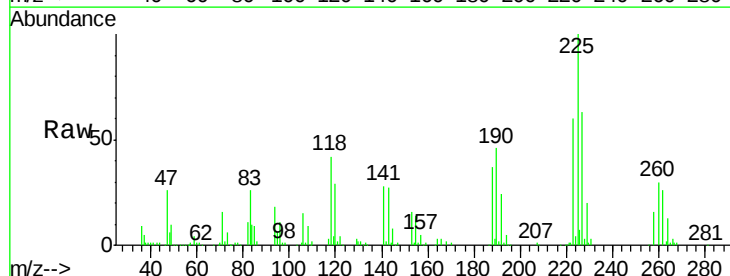
RT: 15.24 min Scan# 2188

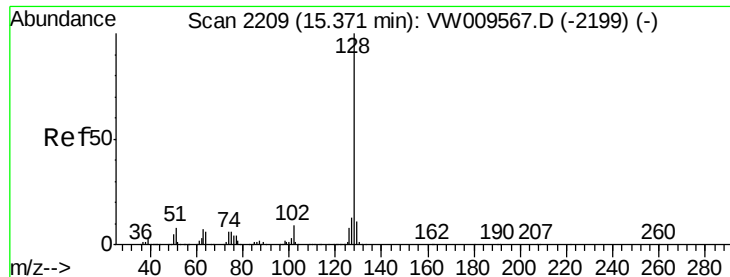
Delta R.T. -0.00 min

Lab File: VW009690.D

Acq: 04 Apr 2019 12:22

Tgt Ion:	225	Resp:	62980
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.4	94.3
227	62.6	32.1	96.5





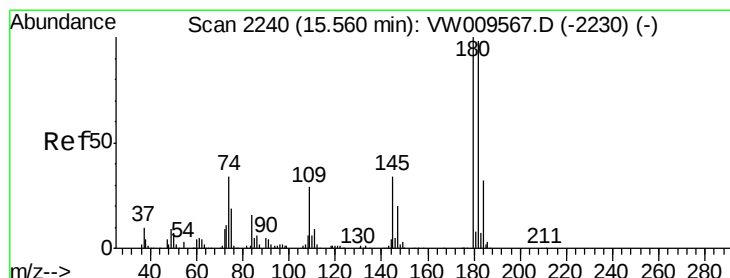
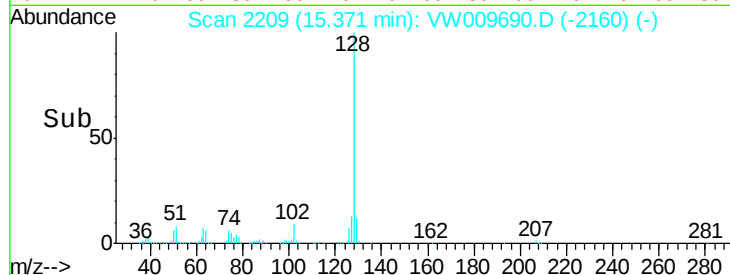
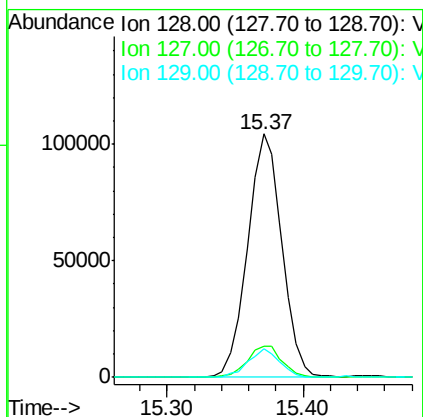
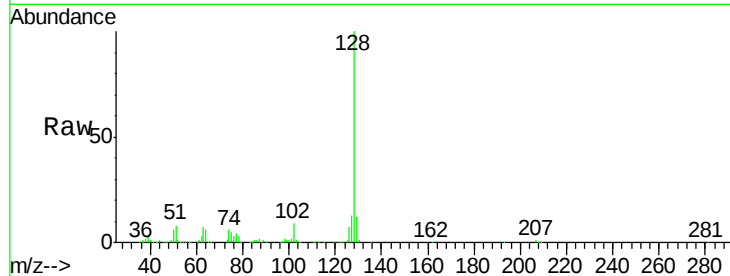
#95
Naphthalene
Concen: 21.006 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Instrument :
MSVOA_W
ClientSampleId :
VW0404SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	184042		
127	13.6		10.8	16.2
129	10.8		8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.565 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VW009690.D
Acq: 04 Apr 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	90226		
182	94.9		47.3	141.9
145	32.0		16.0	48.0

