

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051019\
 Data File : VF062436.D
 Acq On : 10 May 2019 23:30
 Operator : FY/SY
 Sample : VF0510SBSD02
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD02

Manual Integrations
 APPROVED

mohammad
 5/14/2019 8:35:50 AM

Quant Time: May 11 06:21:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 07 04:34:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	316105	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	424303	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	379054	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.61	152	235145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	164841	55.18	ug/l	0.02
Spiked Amount 50.000			Recovery	=	110.36%	
35) Dibromofluoromethane	4.31	113	196134	58.02	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.04%	
50) Toluene-d8	7.72	98	456622	55.80	ug/l	0.02
Spiked Amount 50.000			Recovery	=	111.60%	
62) 4-Bromofluorobenzene	11.50	95	196132	53.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	79761	21.802	ug/l	95
3) Chloromethane	1.16	50	48100	19.935	ug/l	99
4) Vinyl Chloride	1.20	62	48329	20.081	ug/l	98
5) Bromomethane	1.39	94	39131	20.044	ug/l	99
6) Chloroethane	1.44	64	25515	21.087	ug/l #	86
7) Trichlorofluoromethane	1.57	101	110570	22.143	ug/l	98
8) Diethyl Ether	1.72	74	16848	22.299	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	65109	22.839	ug/l	97
10) Methyl Iodide	1.98	142	108288	23.050	ug/l	99
11) Tert butyl alcohol	2.70	59	14684	86.972	ug/l #	74
12) 1,1-Dichloroethene	1.88	96	50303	20.756	ug/l	96
13) Acrolein	2.10	56	9844	79.967	ug/l #	67
14) Allyl chloride	2.20	41	62755m	29.313	ug/l	
15) Acrylonitrile	3.09	53	28649	89.579	ug/l	85
16) Acetone	2.35	43	55127	91.223	ug/l	93
17) Carbon Disulfide	1.92	76	108256m	20.486	ug/l	
18) Methyl Acetate	2.47	43	23767	19.666	ug/l	97
19) Methyl tert-butyl Ether	2.56	73	106883	21.365	ug/l	96
20) Methylene Chloride	2.34	84	52832m	24.164	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	47844	20.720	ug/l	96
22) Diisopropyl ether	2.94	45	140847	21.050	ug/l #	97
23) Vinyl Acetate	3.35	43	305211	102.346	ug/l	98
24) 1,1-Dichloroethane	3.02	63	92559	22.888	ug/l	99
25) 2-Butanone	4.53	43	73951	97.404	ug/l	99
26) 2,2-Dichloropropane	3.78	77	53476	23.680	ug/l	96
27) cis-1,2-Dichloroethene	3.65	96	62656	21.708	ug/l	95
28) Bromochloromethane	3.91	49	36743	20.034	ug/l	100
29) Tetrahydrofuran	4.27	42	34319	98.354	ug/l	95
30) Chloroform	4.05	83	128639	23.546	ug/l	98
31) Cyclohexane	3.88	56	70967	21.986	ug/l	98
32) 1,1,1-Trichloroethane	4.29	97	112746	24.079	ug/l	95
36) 1,1-Dichloropropene	4.48	75	83551	22.923	ug/l	98
37) Ethyl Acetate	4.31	43	31281	18.745	ug/l #	94
38) Carbon Tetrachloride	4.19	117	103526m	26.052	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	79526	21.755	ug/l	98
40) Benzene	4.83	78	184892	23.036	ug/l	99
41) Methacrylonitrile	4.94	41	16500	18.879	ug/l #	62
42) 1,2-Dichloroethane	5.13	62	69627	20.741	ug/l	97
43) Isopropyl Acetate	7.12	43	31519	19.012	ug/l #	99
44) Trichloroethene	5.69	130	66488	22.550	ug/l	99
45) 1,2-Dichloropropane	6.41	63	39756	21.868	ug/l	89
46) Dibromomethane	6.27	93	32759	21.733	ug/l	98
47) Bromodichloromethane	6.56	83	82540	21.902	ug/l	97
48) Methyl methacrylate	6.88	41	25042	21.374	ug/l	99
49) 1,4-Dioxane	6.88	88	4330	350.860	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	126180	100.441	ug/l	97
52) Toluene	7.78	92	102574	20.716	ug/l	96
53) t-1,3-Dichloropropene	8.43	75	57171	20.058	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	69692	21.009	ug/l	98
55) 1,1,2-Trichloroethane	8.64	97	33166	21.100	ug/l	87
56) Ethyl methacrylate	8.77	69	32259	19.442	ug/l	95
57) 1,3-Dichloropropane	9.00	76	51310	21.610	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	51715	103.669	ug/l	95
59) 2-Hexanone	9.62	43	88540	101.907	ug/l	96
60) Dibromochloromethane	8.87	129	53011	20.620	ug/l	99
61) 1,2-Dibromoethane	9.14	107	37899	20.514	ug/l	95
64) Tetrachloroethene	8.31	164	67906	22.067	ug/l	97
65) Chlorobenzene	9.94	112	133274	21.250	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	64667	20.439	ug/l	99
67) Ethyl Benzene	10.04	91	236880	21.569	ug/l	97
68) m/p-Xylenes	10.26	106	174242	43.001	ug/l	100
69) o-Xylene	10.83	106	90200	20.600	ug/l	97
70) Styrene	10.90	104	134952	20.565	ug/l	99
71) Bromoform	10.89	173	33161	19.131	ug/l #	91
73) Isopropylbenzene	11.22	105	285846	20.505	ug/l	98
74) N-amyl acetate	11.45	43	57702	19.280	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.77	83	43255	19.817	ug/l	97
76) 1,2,3-Trichloropropane	11.87	75	33079	19.864	ug/l #	100
77) Bromobenzene	11.59	156	76430	20.891	ug/l	98
78) n-propylbenzene	11.67	91	309156	20.830	ug/l	99
79) 2-Chlorotoluene	11.80	91	186692	20.229	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	259777	21.261	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.94	75	8683	13.872	ug/l #	74
82) 4-Chlorotoluene	11.98	91	193433	21.221	ug/l	100
83) tert-Butylbenzene	12.20	119	263404	20.513	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	245068	20.495	ug/l	99
85) sec-Butylbenzene	12.37	105	338531	21.659	ug/l	99
86) p-Isopropyltoluene	12.52	119	317981	21.897	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	148805	22.270	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	132489	20.544	ug/l	98
89) n-Butylbenzene	12.90	91	271890	21.045	ug/l	98
90) Hexachloroethane	12.98	117	72923	20.112	ug/l	98
91) 1,2-Dichlorobenzene	13.01	146	139908	21.633	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.70	75	9233	18.882	ug/l	91

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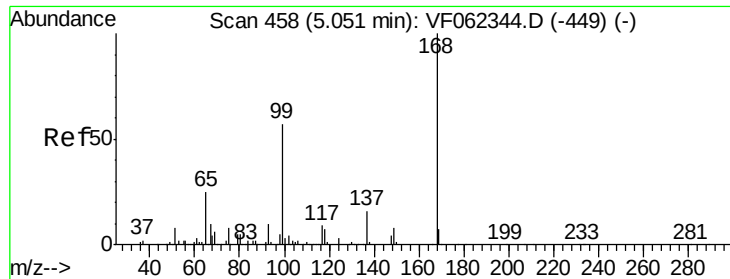
Manual Integrations
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QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	127538	21.985	ug/l	98
94) Hexachlorobutadiene	14.23	225	93283	21.575	ug/l	98
95) Naphthalene	14.49	128	176474	20.235	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	114953	20.454	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

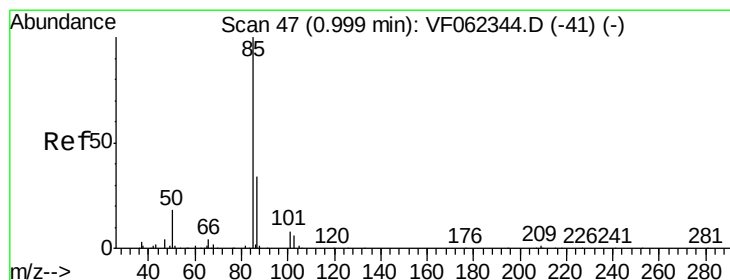
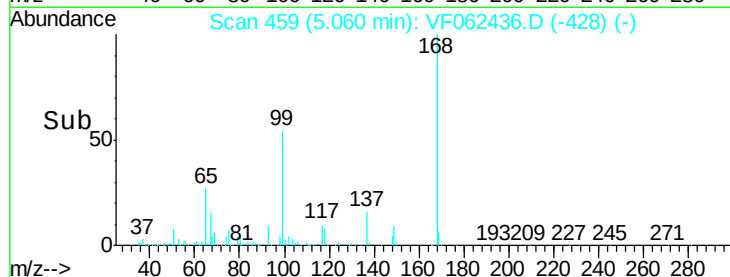
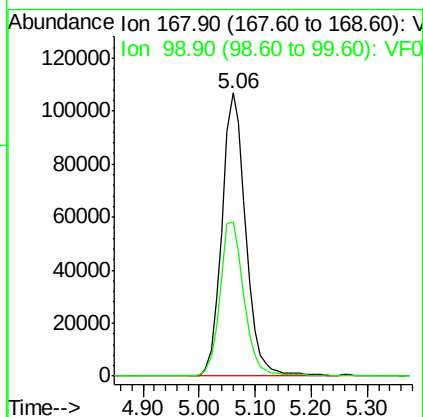
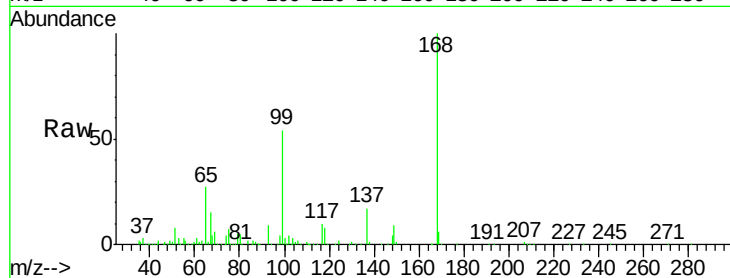
ClientSampleId :

VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	316105		
99	54.3	45.9	68.9	

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#2

Dichlorodifluoromethane

Concen: 21.802 ug/l

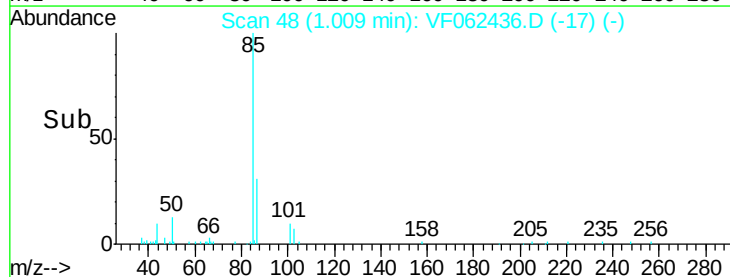
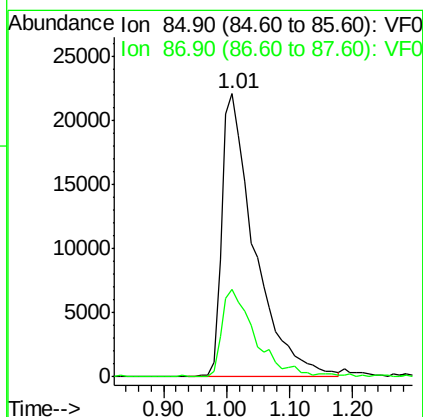
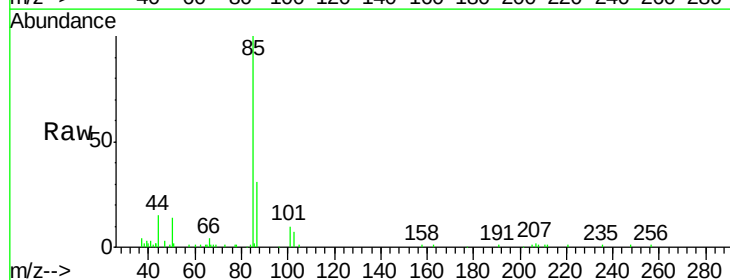
RT: 1.01 min Scan# 48

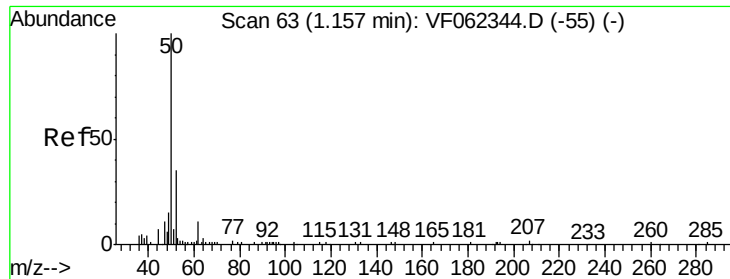
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
85	100	79761		
87	31.0	16.8	50.4	





#3

Chloromethane

Concen: 19.935 ug/l

RT: 1.16 min Scan# 63

Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 50 Resp: 48100

Ion Ratio Lower Upper

50 100

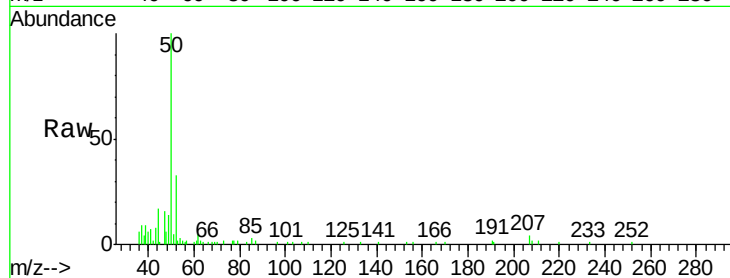
52 32.9 26.1 39.1

Manual Integrations

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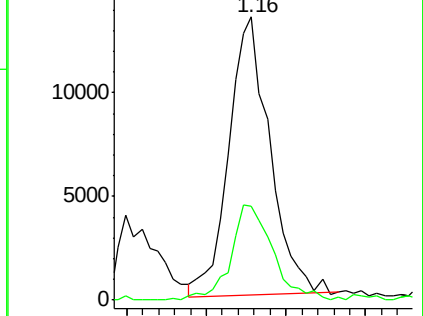
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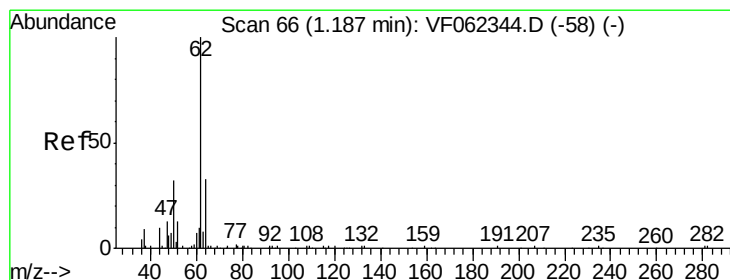
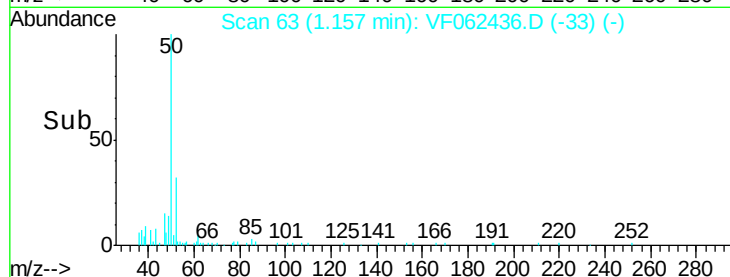


Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0



Time-->



#4

Vinyl Chloride

Concen: 20.081 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062436.D

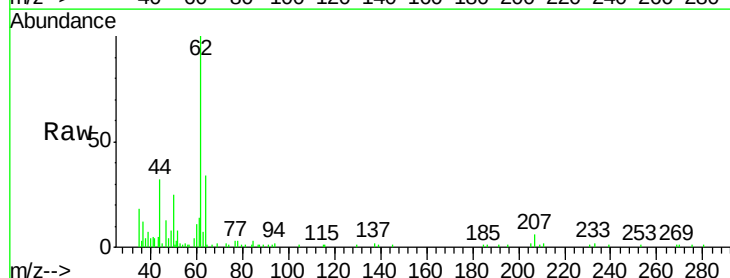
Acq: 10 May 2019 23:30

Tgt Ion: 62 Resp: 48329

Ion Ratio Lower Upper

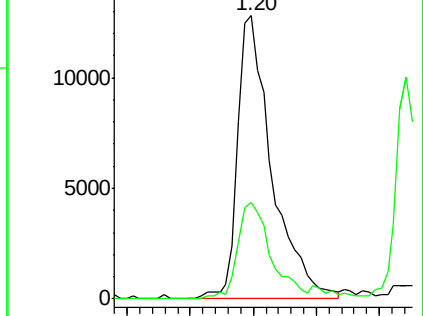
62 100

64 34.0 26.1 39.1

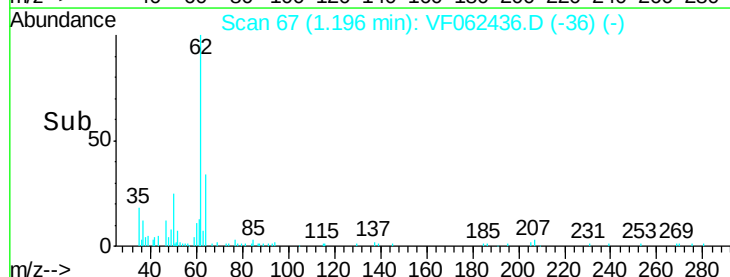


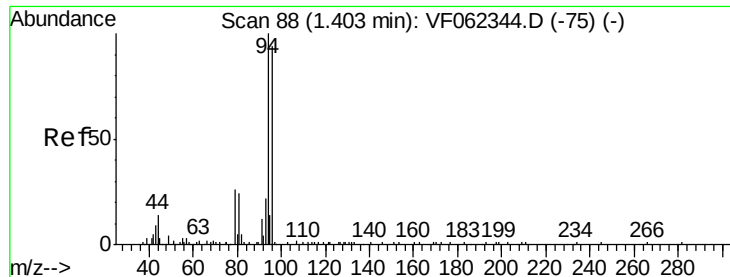
Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0



Time-->





#5

Bromomethane

Concen: 20.044 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD02

Tgt Ion: 94 Resp: 39131

Ion Ratio Lower Upper

94 100

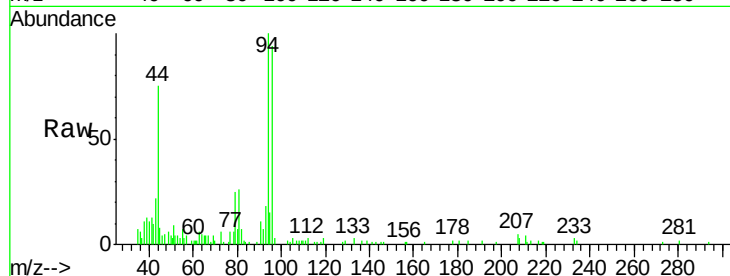
96 95.2 75.4 113.2

Manual Integrations

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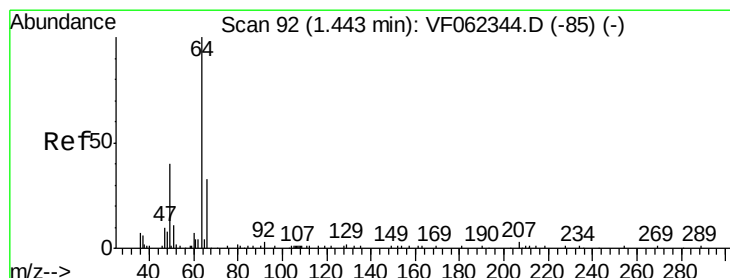
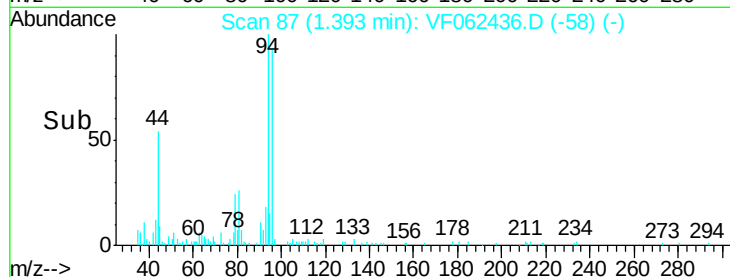
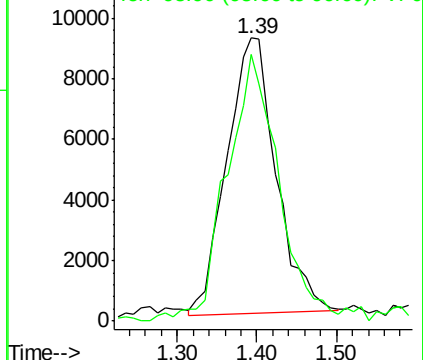
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Abundance Ion 93.90 (93.60 to 94.60): VF0

Ion 95.90 (95.60 to 96.60): VF0



#6

Chloroethane

Concen: 21.087 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062436.D

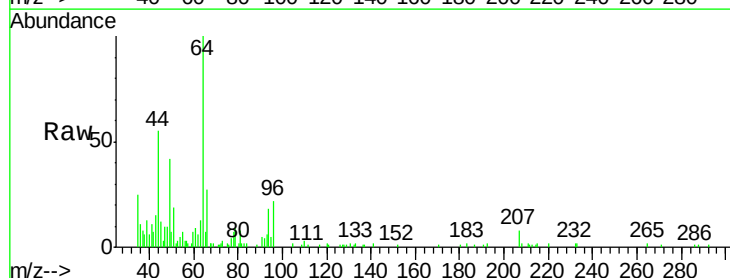
Acq: 10 May 2019 23:30

Tgt Ion: 64 Resp: 25515

Ion Ratio Lower Upper

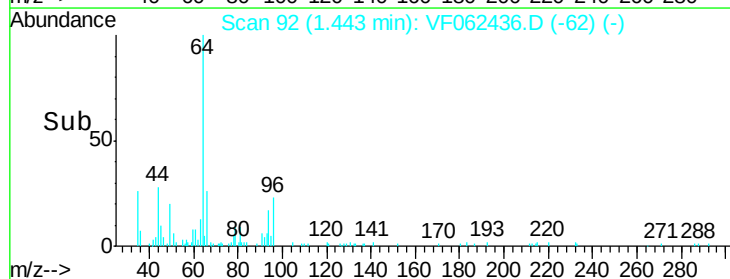
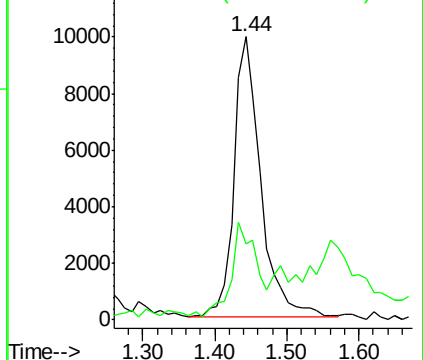
64 100

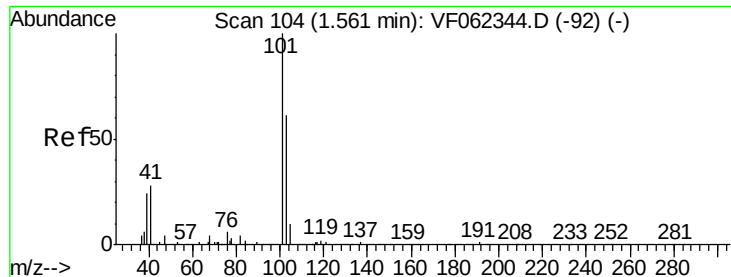
66 25.4 26.6 39.8#



Abundance Ion 63.90 (63.60 to 64.60): VF0

Ion 65.90 (65.60 to 66.60): VF0





#7

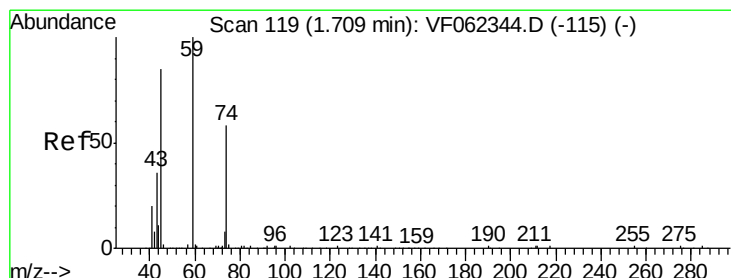
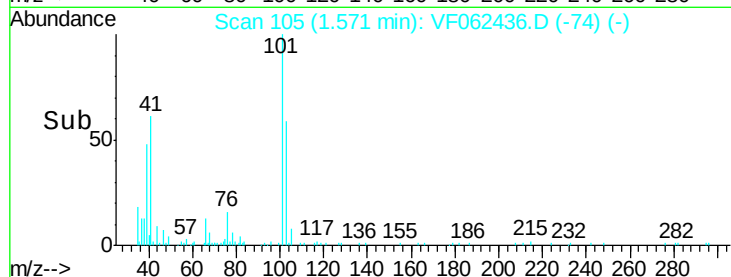
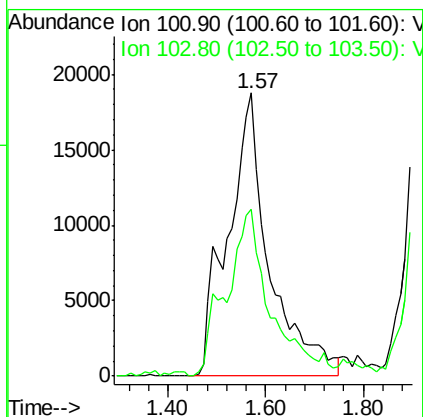
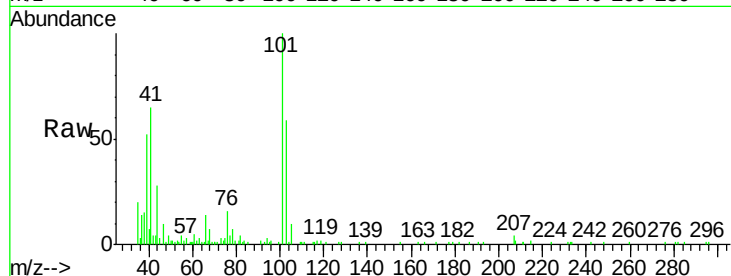
Trichlorofluoromethane
Concen: 22.143 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 101 Resp: 110570
Ion Ratio Lower Upper
101 100
103 58.8 48.5 72.7

Manual Integrations
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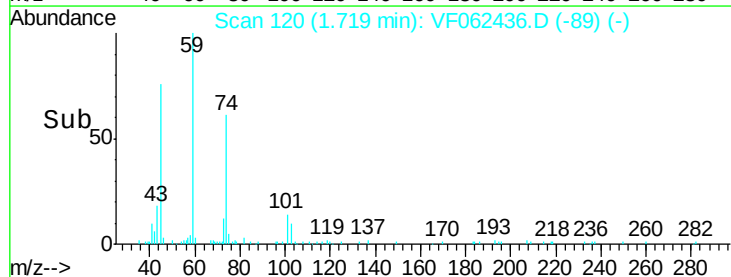
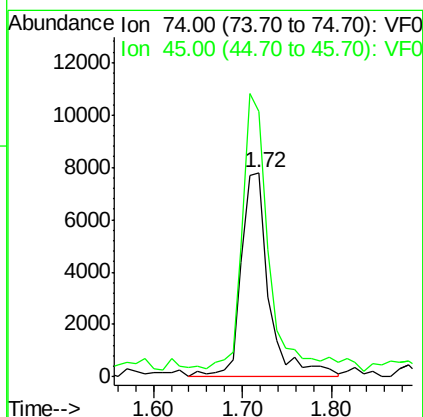
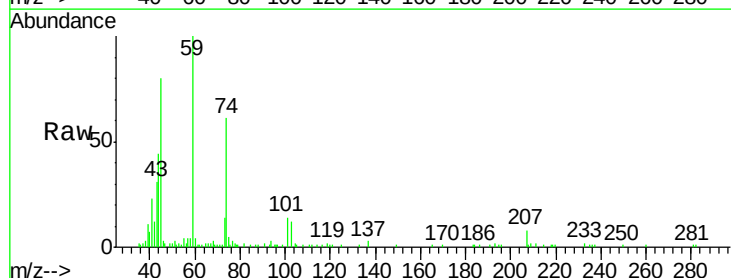
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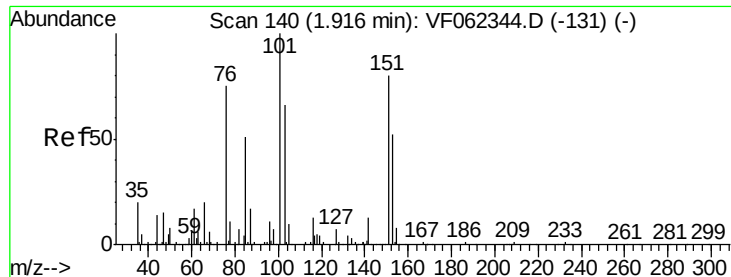


#8

Diethyl Ether
Concen: 22.299 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 74 Resp: 16848
Ion Ratio Lower Upper
74 100
45 123.1 73.9 221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.839 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

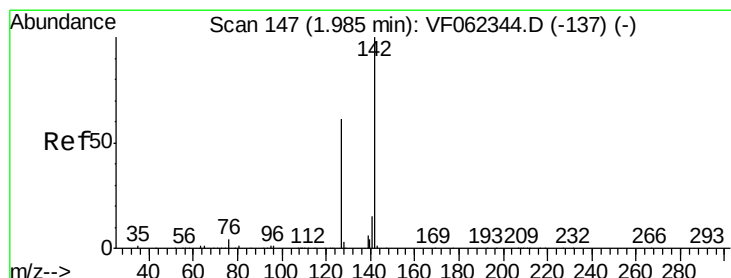
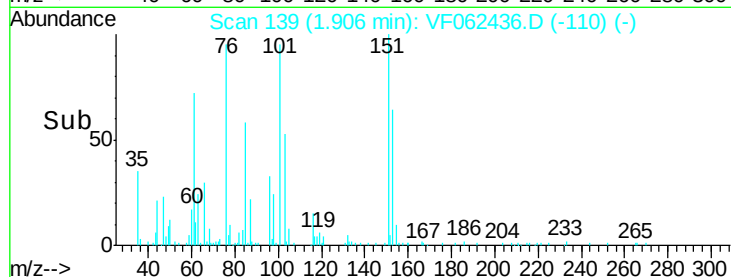
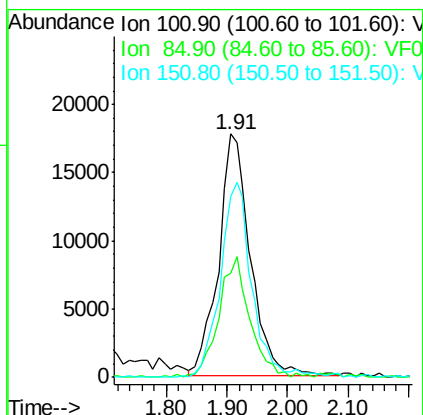
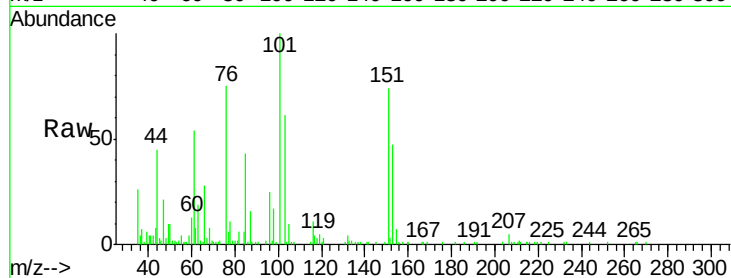
ClientSampleId :

VF0510SBSD02

Tgt Ion:	101	Resp:	65109
Ion Ratio	Lower	Upper	
101	100		
85	48.1	39.5	59.3
151	77.5	59.9	89.9

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#10

Methyl Iodide

Concen: 23.050 ug/l

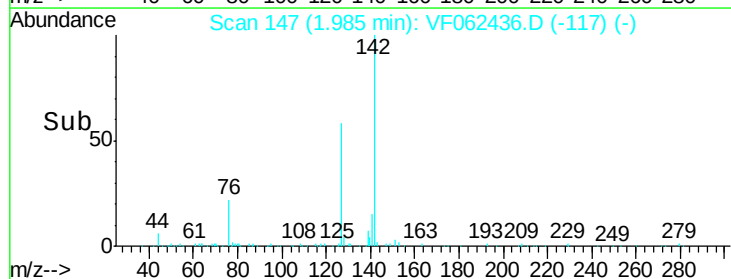
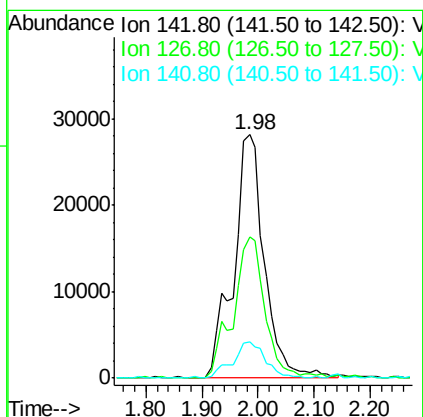
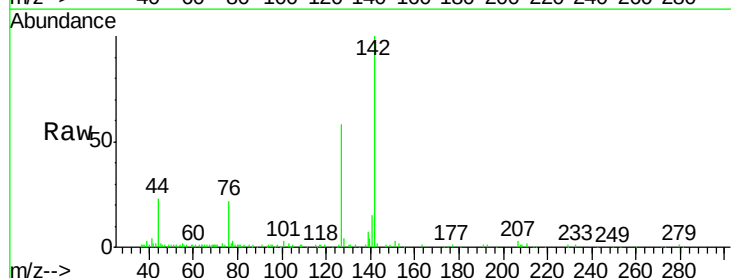
RT: 1.98 min Scan# 147

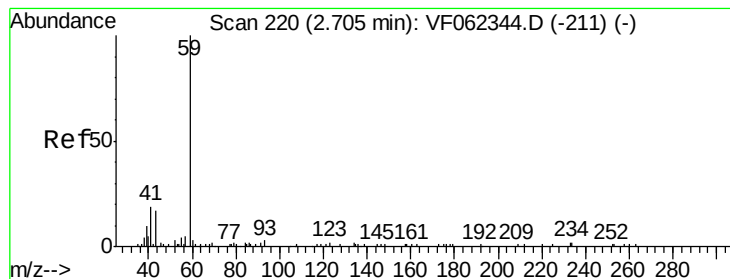
Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	142	Resp:	108288
Ion Ratio	Lower	Upper	
142	100		
127	60.0	48.4	72.6
141	15.9	12.2	18.4





#11

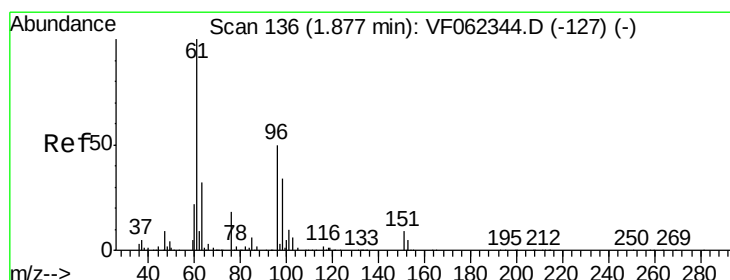
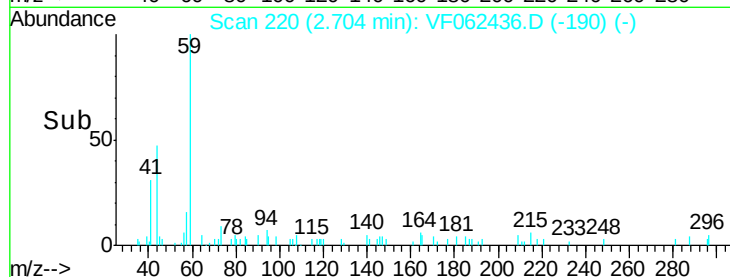
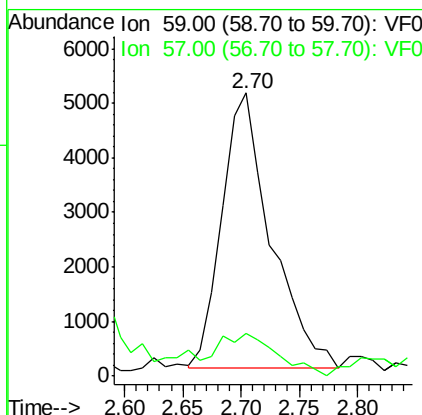
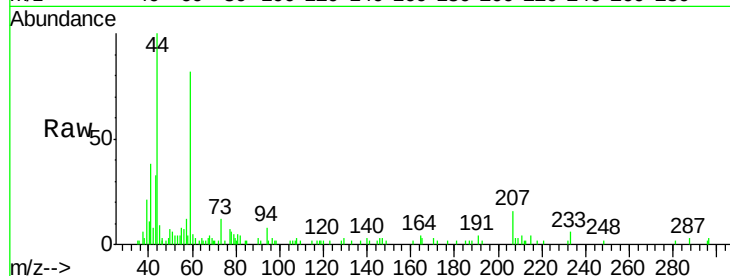
Tert butyl alcohol
Concen: 86.972 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	21.7	9.3	13.9#

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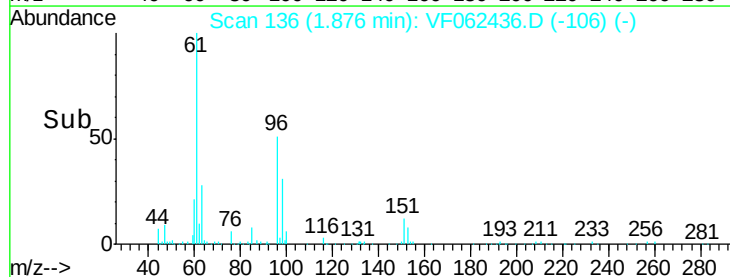
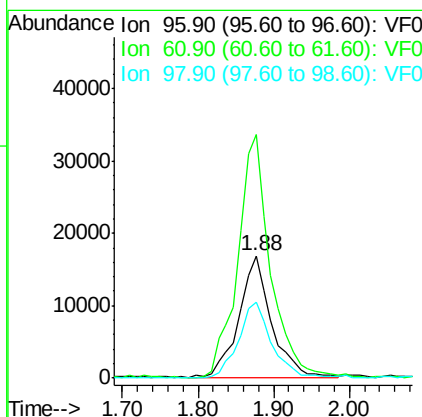
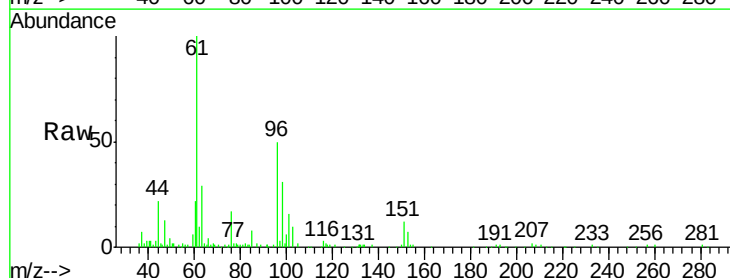
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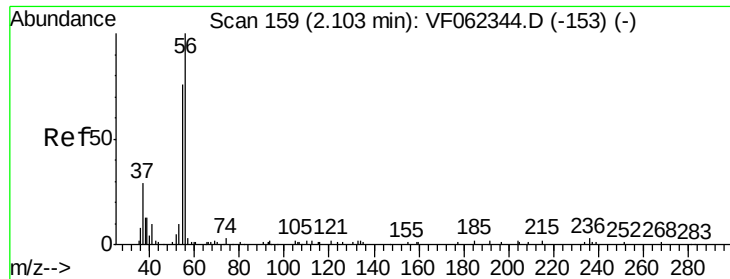


#12

1,1-Dichloroethene
Concen: 20.756 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.5	163.2	244.8
98	62.3	55.2	82.8





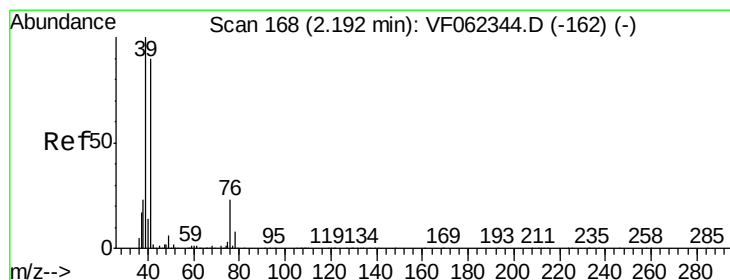
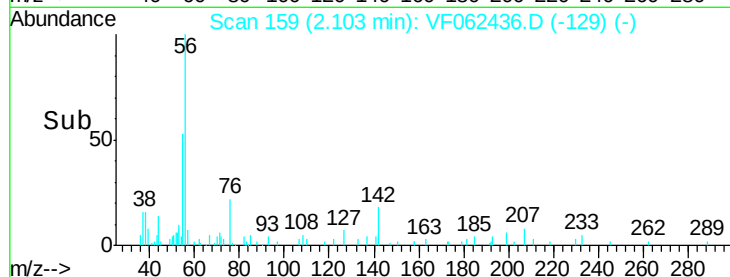
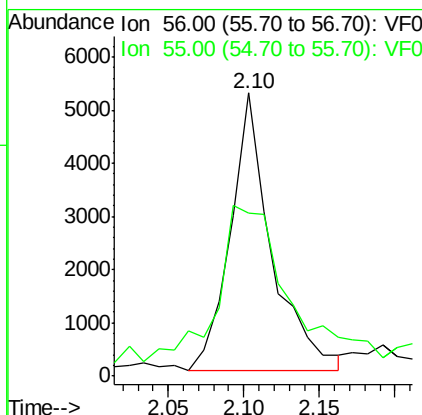
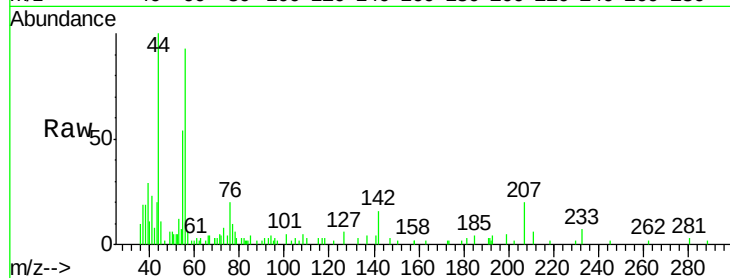
#13
Acrolein
Concen: 79.967 ug/l
RT: 2.10 min Scan# 159
Delta R.T. 0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 56 Resp: 9844
Ion Ratio Lower Upper
56 100
55 100.5 58.4 87.6#

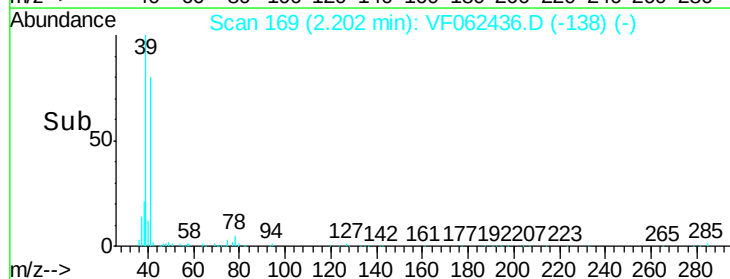
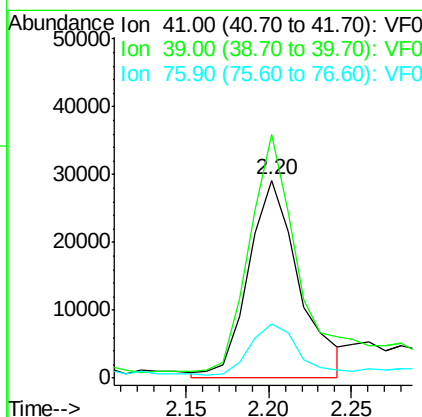
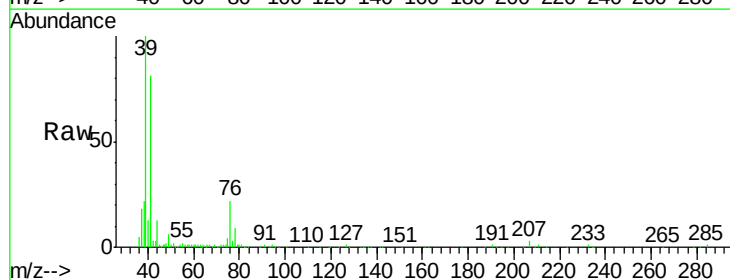
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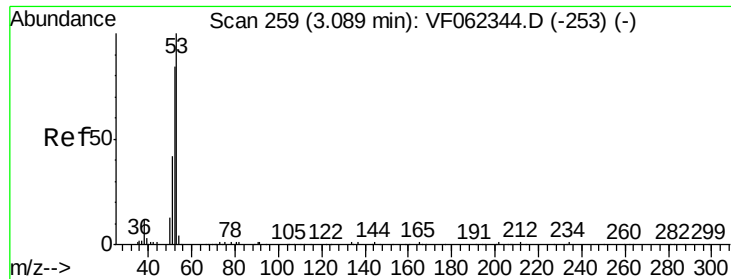
mohammad
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#14
Allyl chloride
Concen: 29.313 ug/l m
RT: 2.20 min Scan# 169
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 41 Resp: 62755
Ion Ratio Lower Upper
41 100
39 135.2 90.8 136.2
76 24.2 22.2 33.4





#15

Acrylonitrile

Concen: 89.579 ug/l

RT: 3.09 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

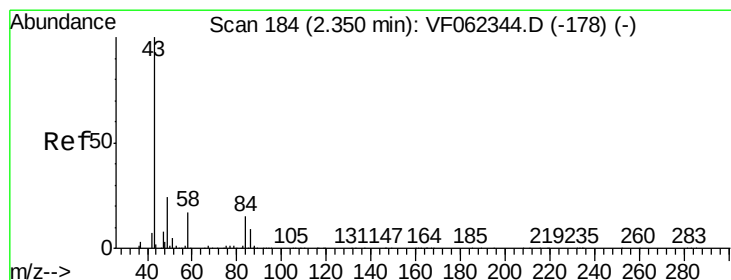
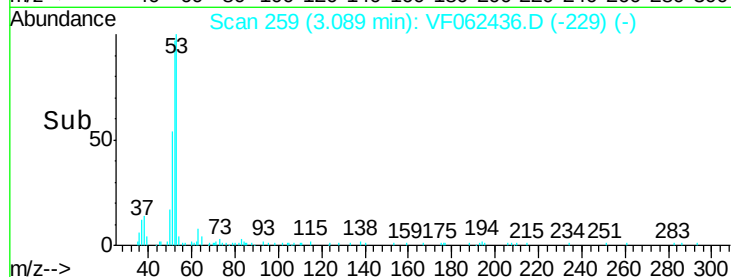
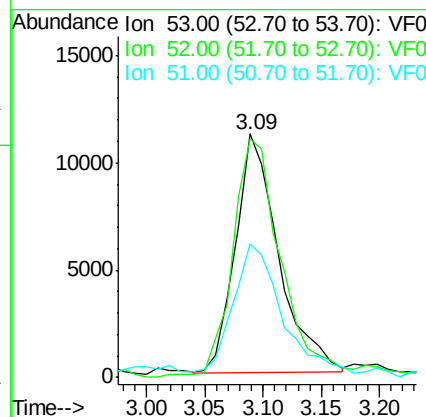
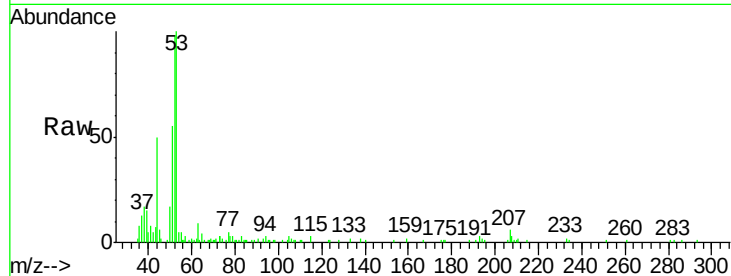
ClientSampleId :

VF0510SBS02

Tgt Ion:	53	Resp:	28649
Ion Ratio	Lower	Upper	
53	100		
52	111.7	77.2	115.8
51	60.0	40.6	61.0

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#16

Acetone

Concen: 91.223 ug/l

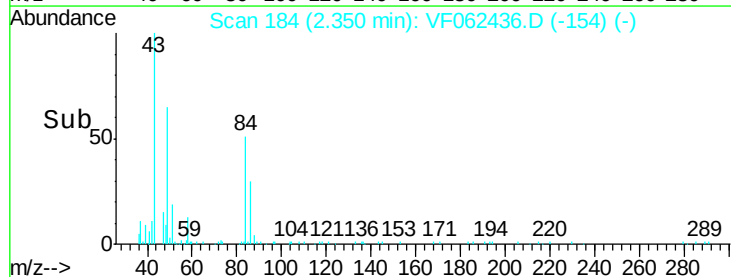
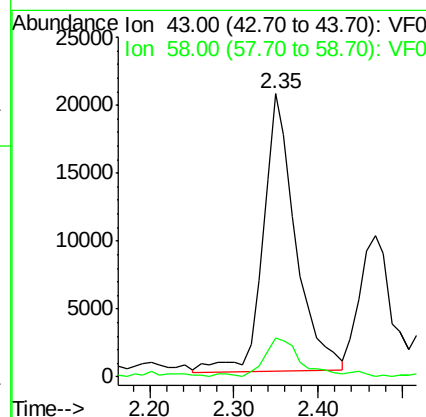
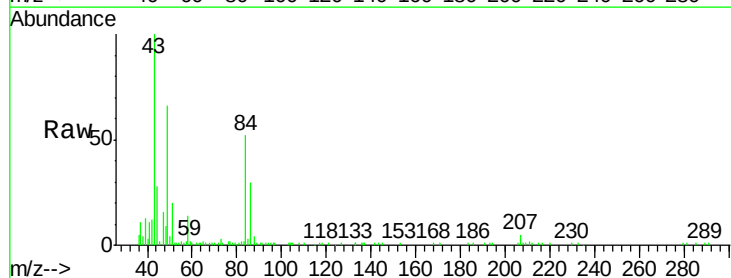
RT: 2.35 min Scan# 184

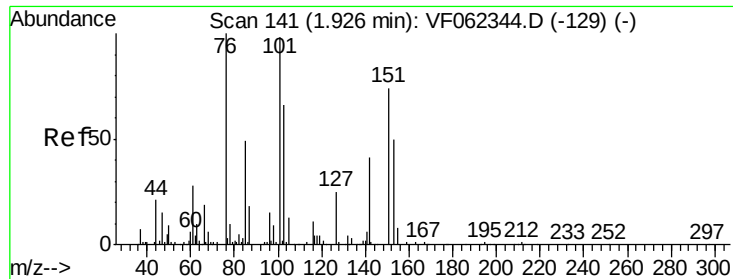
Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	43	Resp:	55127
Ion Ratio	Lower	Upper	
43	100		
58	13.3	13.1	19.7





#17

Carbon Disulfide

Concen: 20.486 ug/l m

RT: 1.92 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 76 Resp: 108256

Ion Ratio Lower Upper

76 100

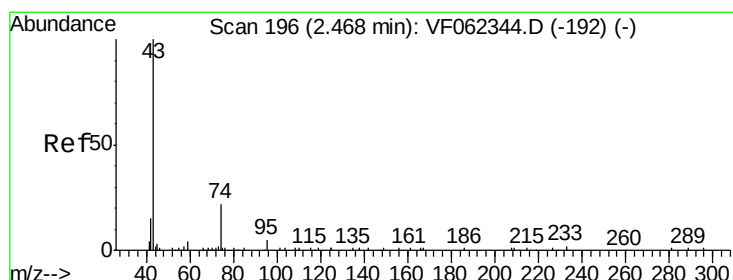
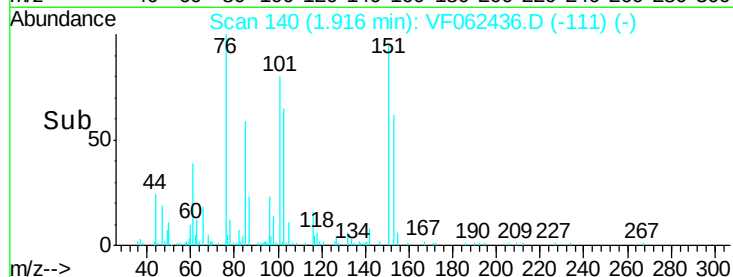
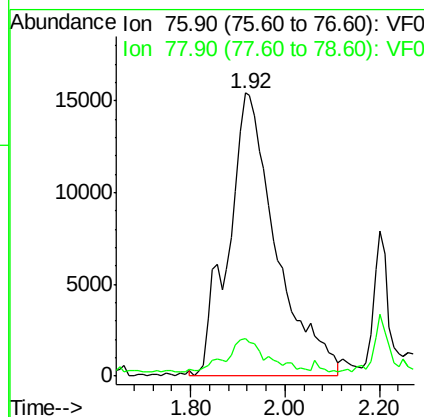
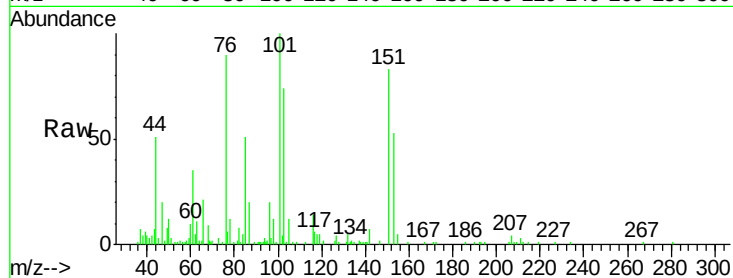
78 13.5 9.0 13.4#

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#18

Methyl Acetate

Concen: 19.666 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062436.D

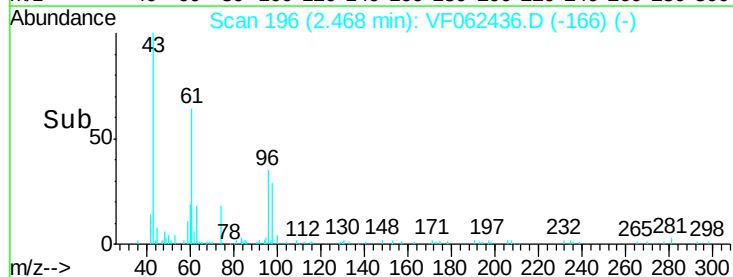
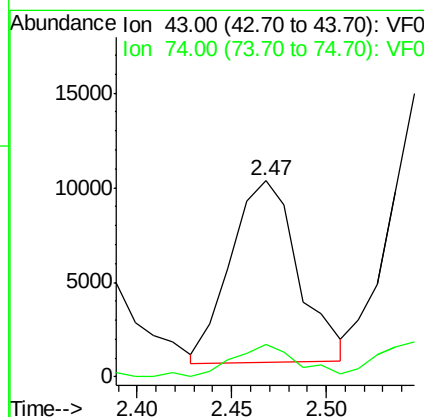
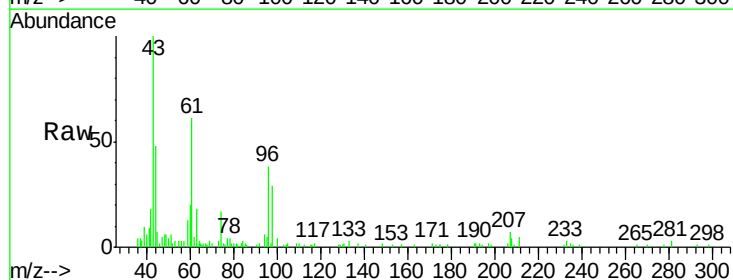
Acq: 10 May 2019 23:30

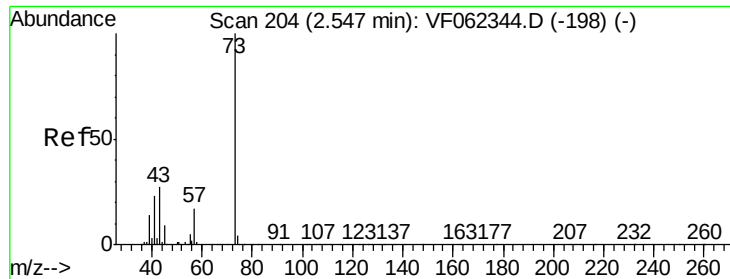
Tgt Ion: 43 Resp: 23767

Ion Ratio Lower Upper

43 100

74 17.3 15.0 22.4





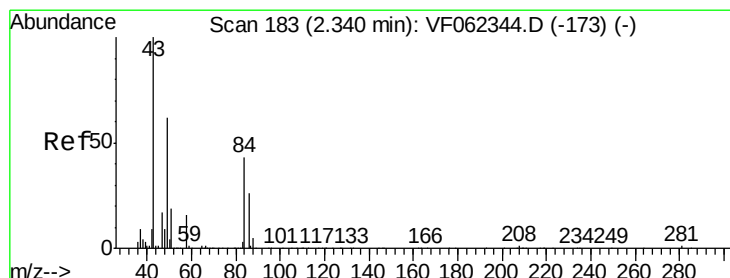
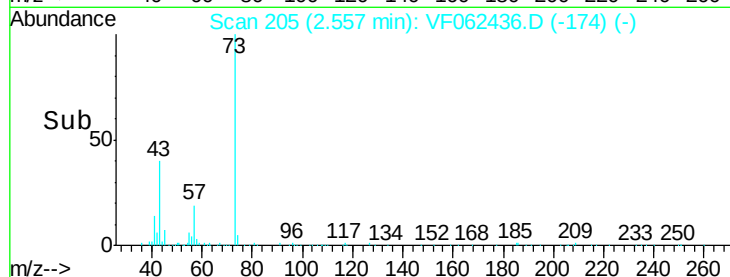
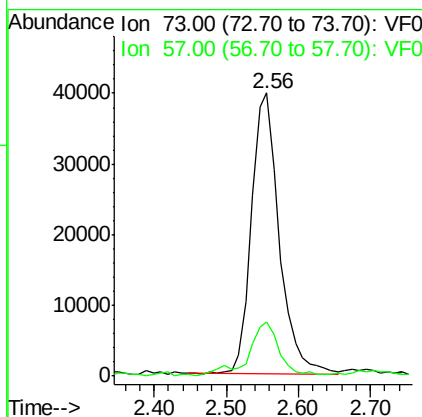
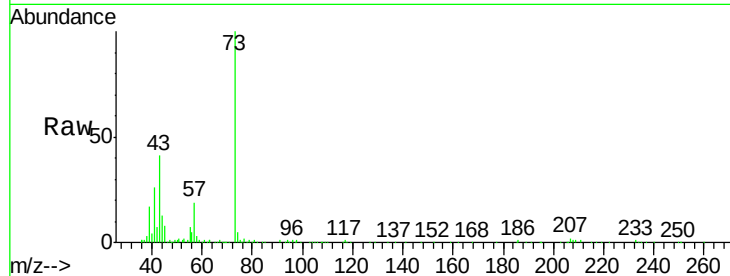
#19
Methyl tert-butyl Ether
Concen: 21.365 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 73 Resp: 106883
Ion Ratio Lower Upper
73 100
57 18.6 13.7 20.5

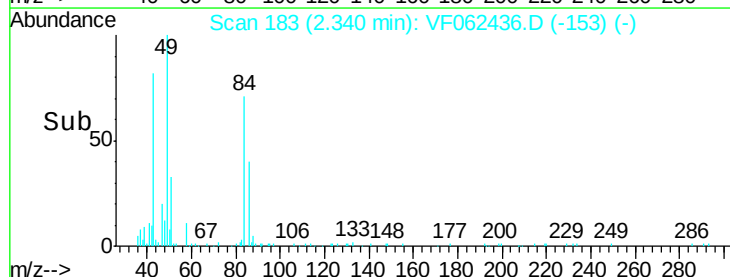
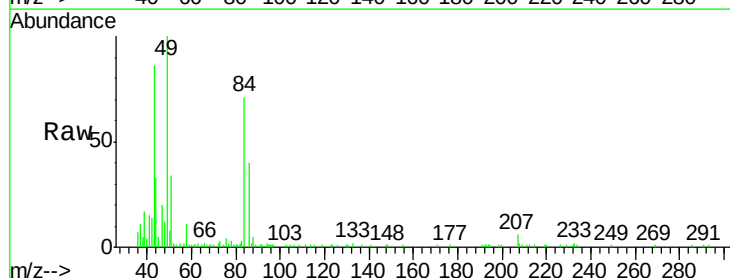
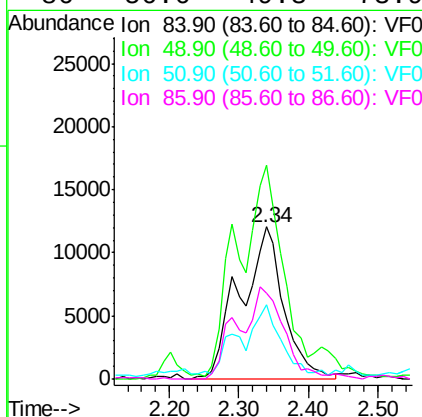
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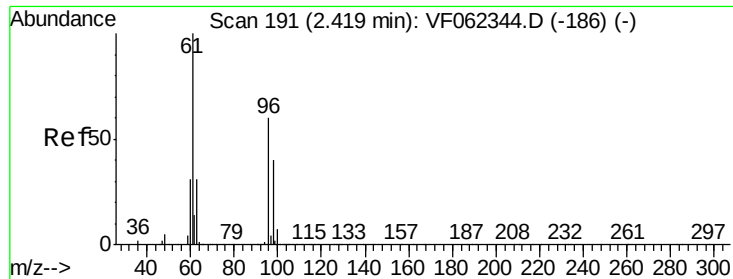
mohammad
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#20
Methylene Chloride
Concen: 24.164 ug/l m
RT: 2.34 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 84 Resp: 52832
Ion Ratio Lower Upper
84 100
49 140.7 117.5 176.3
51 48.5 37.0 55.4
86 56.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 20.720 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

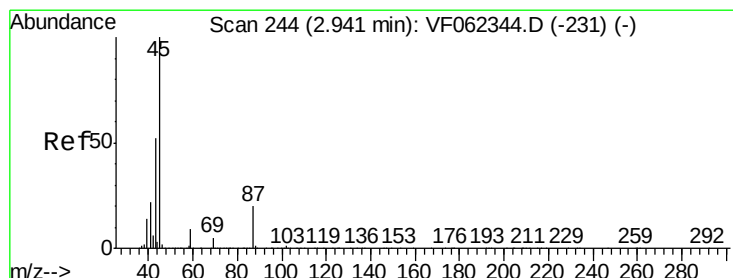
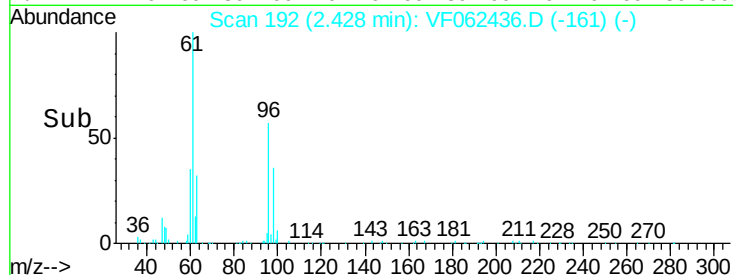
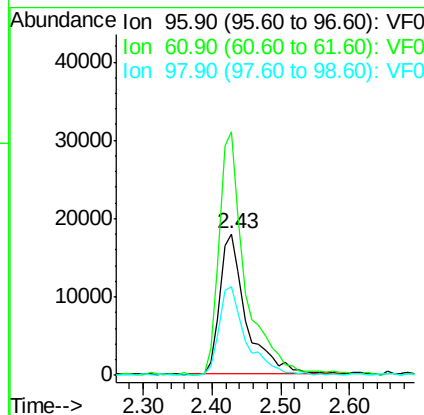
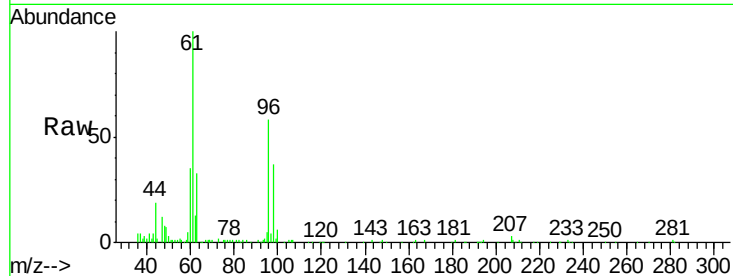
ClientSampleId :

VF0510SBS02

Tgt Ion:	96	Resp:	47844
Ion Ratio	Lower	Upper	
96	100		
61	172.8	133.2	199.8
98	63.6	53.1	79.7

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#22

Diisopropyl ether

Concen: 21.050 ug/l

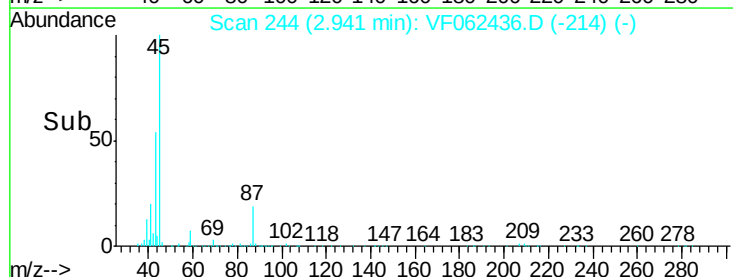
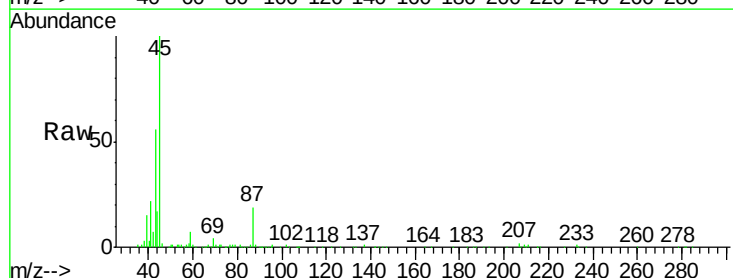
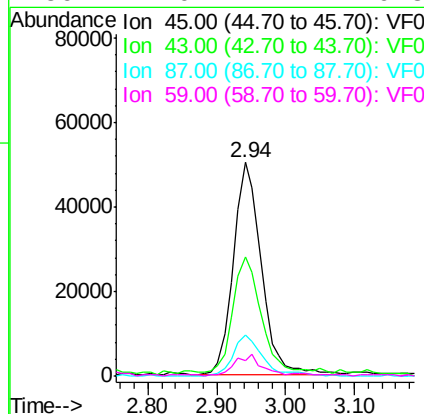
RT: 2.94 min Scan# 244

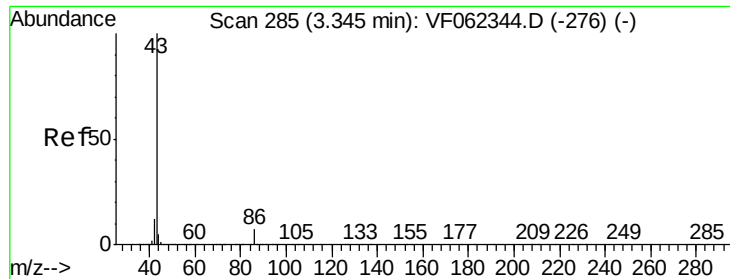
Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	45	Resp:	140847
Ion Ratio	Lower	Upper	
45	100		
43	53.7	41.4	62.0
87	19.1	15.8	23.6
59	7.0	7.2	10.8#





#23

Vinyl Acetate

Concen: 102.346 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD02

Tgt Ion: 43 Resp: 305211

Ion Ratio Lower Upper

43 100

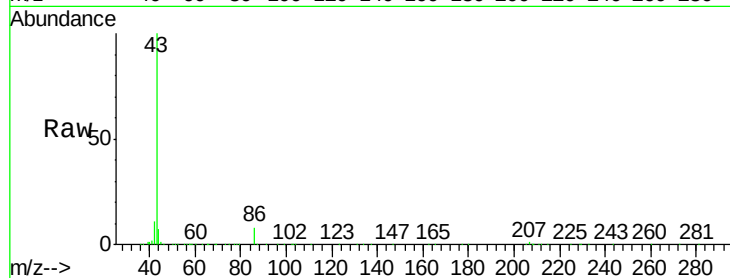
86 7.7 5.7 8.5

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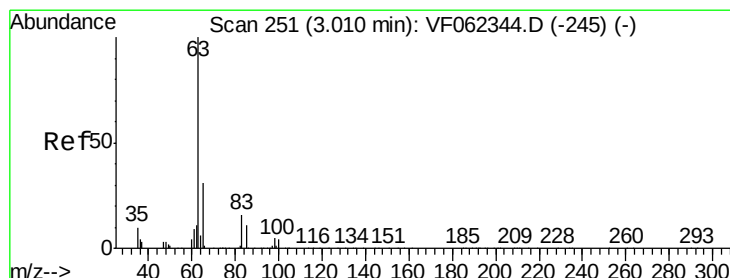
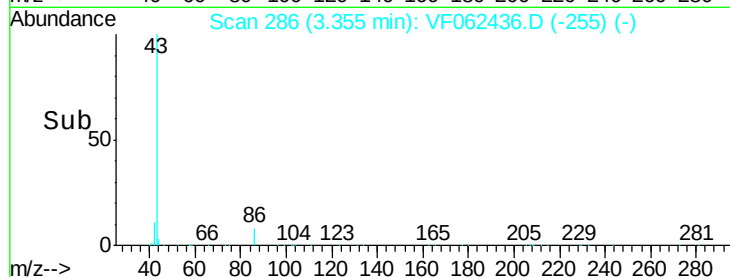
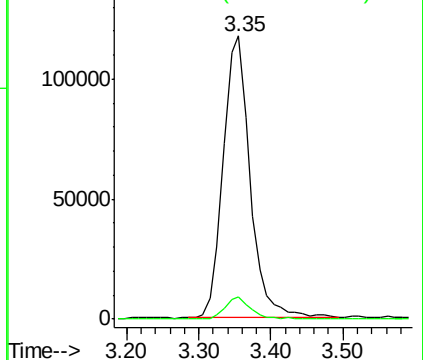
mohammad

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 22.888 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

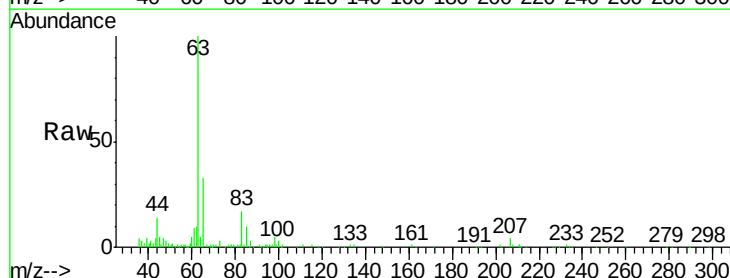
Tgt Ion: 63 Resp: 92559

Ion Ratio Lower Upper

63 100

98 5.2 2.6 8.0

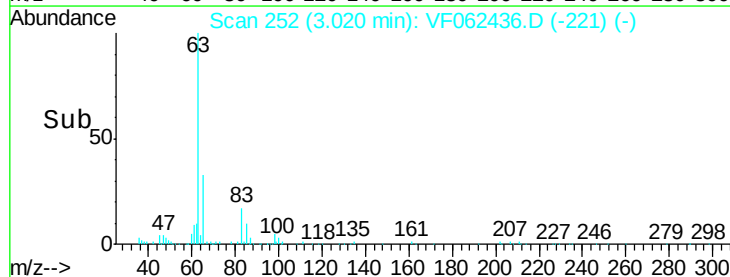
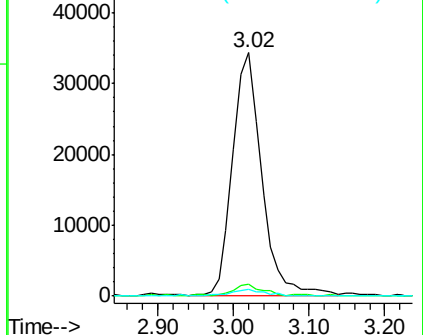
100 3.0 1.8 5.4

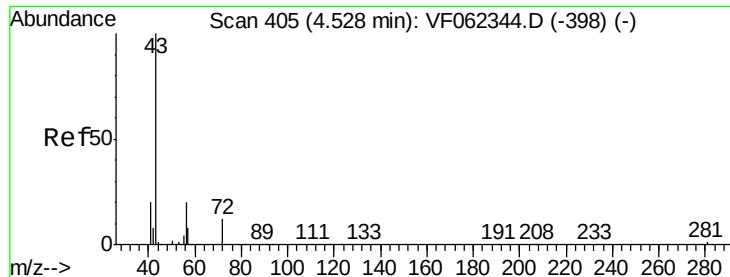


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 97.404 ug/l

RT: 4.53 min Scan# 405

Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 43 Resp: 73951

Ion Ratio Lower Upper

43 100

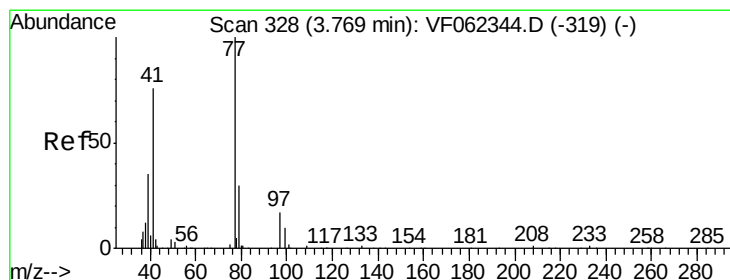
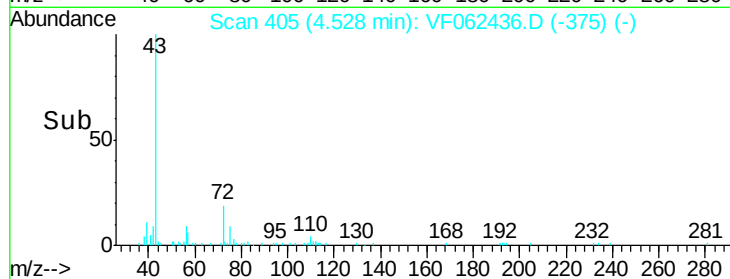
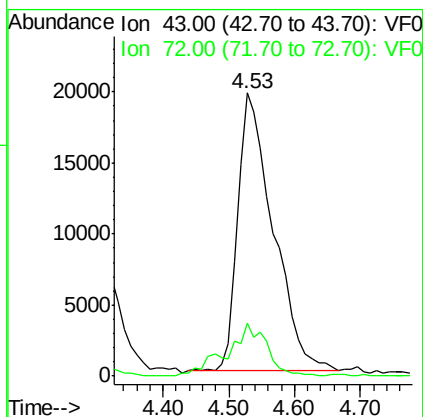
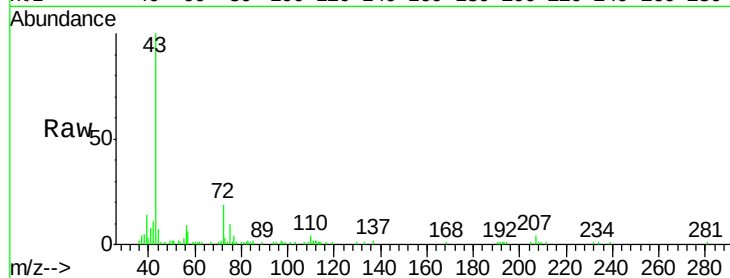
72 18.4 14.2 21.4

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#26

2,2-Dichloropropane

Concen: 23.680 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.01 min

Lab File: VF062436.D

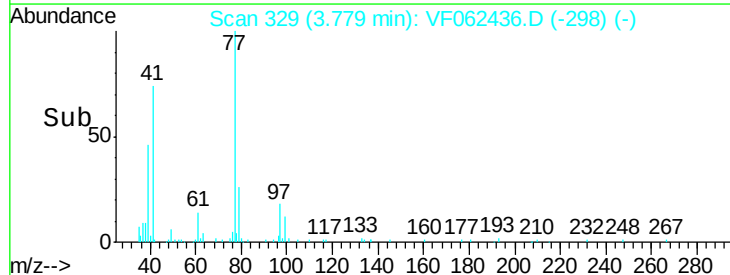
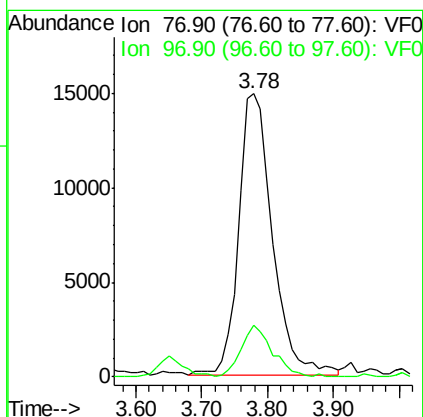
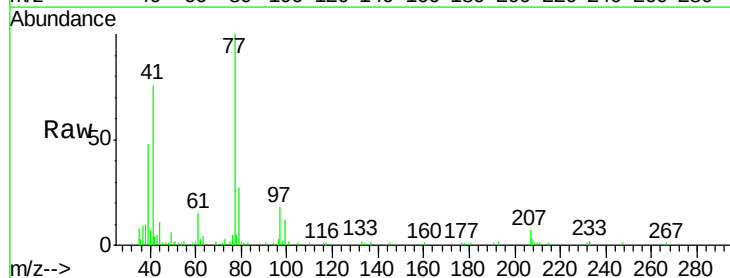
Acq: 10 May 2019 23:30

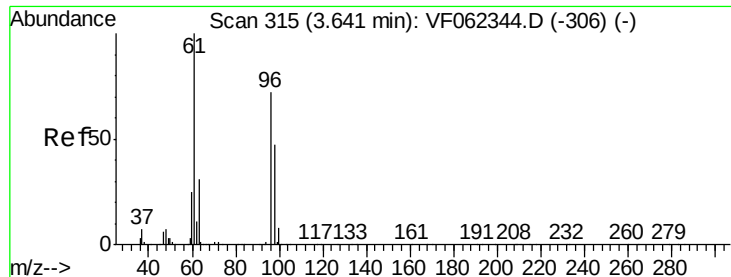
Tgt Ion: 77 Resp: 53476

Ion Ratio Lower Upper

77 100

97 17.1 9.5 28.5





#27

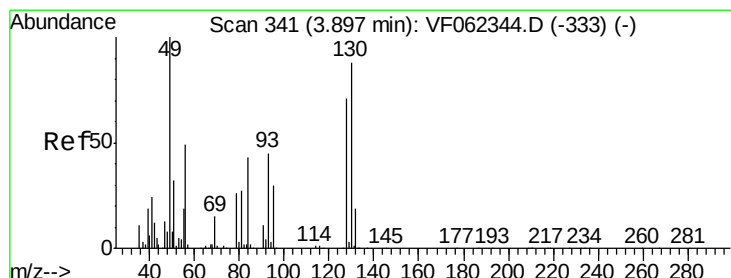
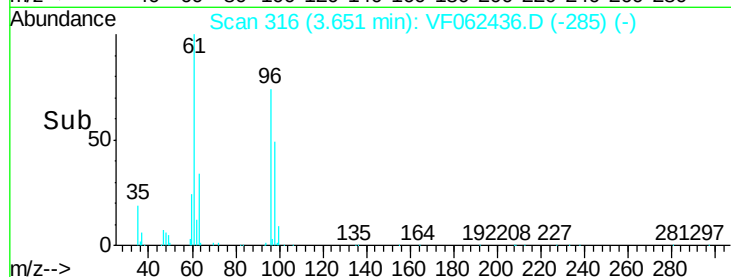
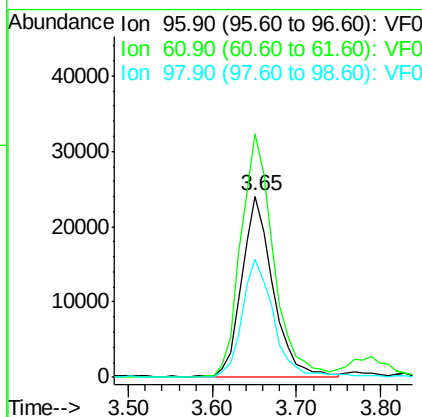
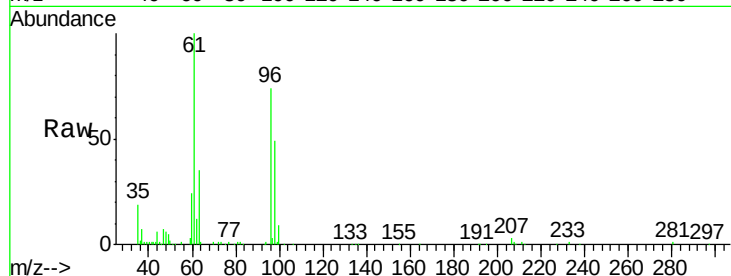
cis-1,2-Dichloroethene
Concen: 21.708 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	62656		
61	139.8	0.0	263.0	
98	64.8	0.0	130.8	

Manual Integrations
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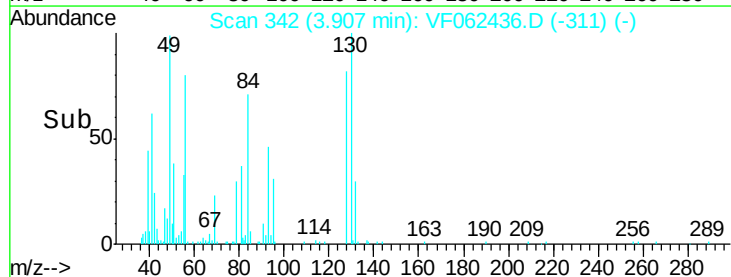
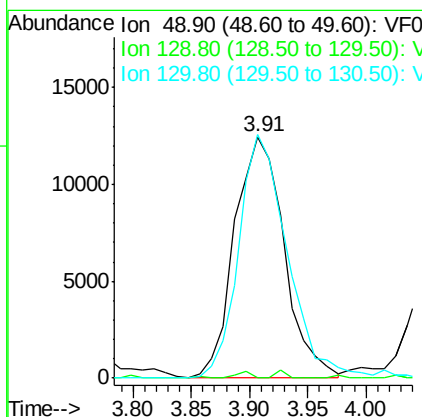
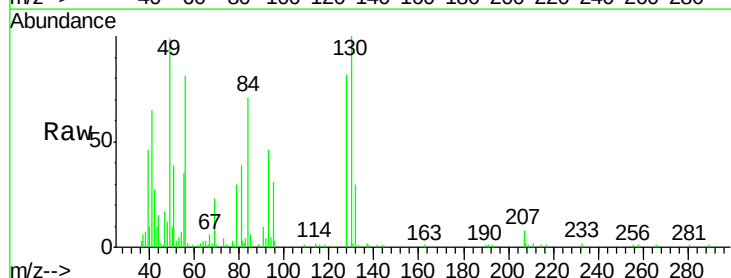
mohammad
5/14/2019 8:35:50 AM

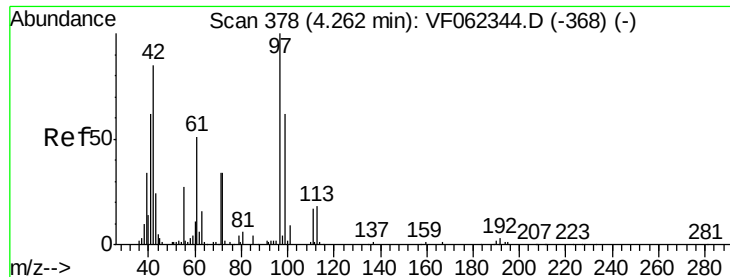


#28

Bromochloromethane
Concen: 20.034 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	36743		
129	0.8	0.0	2.2	
130	98.8	79.4	119.0	





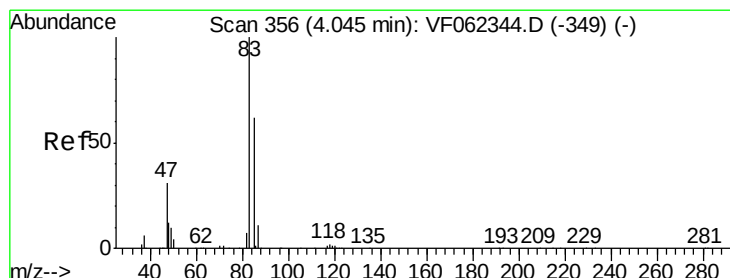
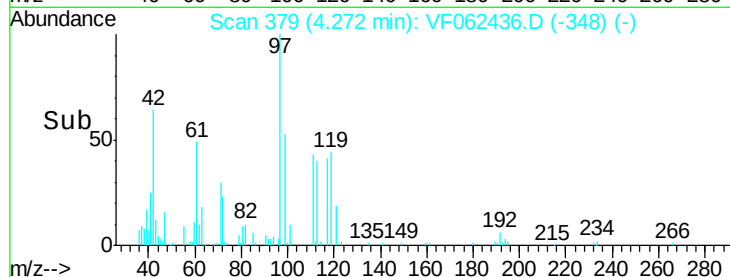
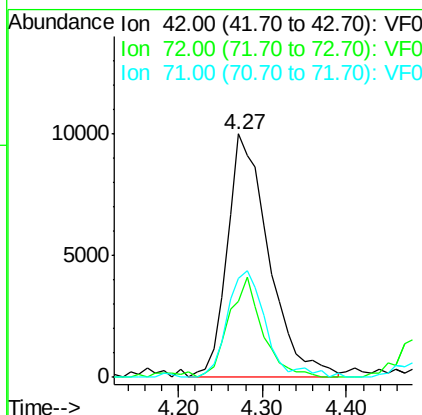
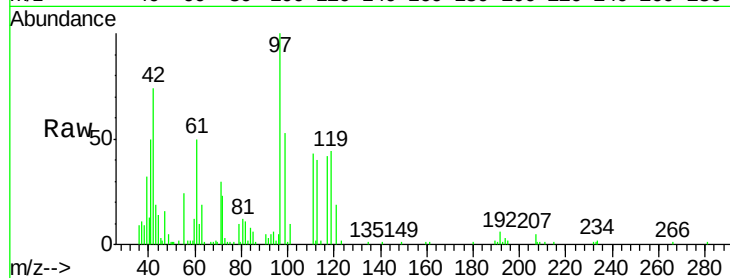
#29
Tetrahydrofuran
Concen: 98.354 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
42	100	34319		
72	33.4		31.4	47.0
71	40.4		31.7	47.5

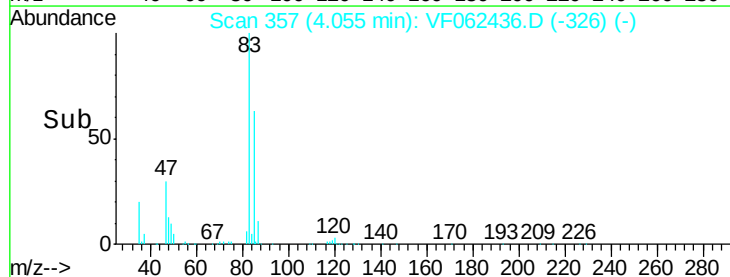
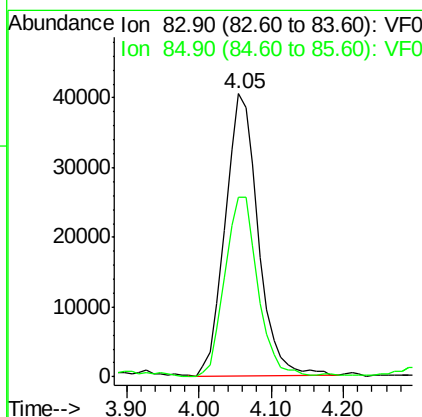
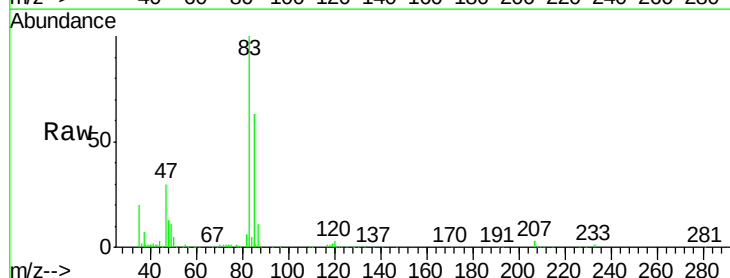
Manual Integrations
APPROVED

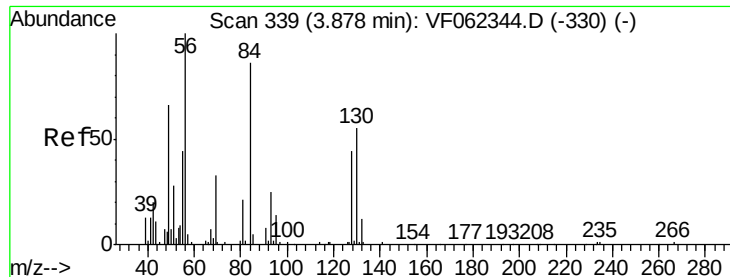
mohammad
5/14/2019 8:35:50 AM



#30
Chloroform
Concen: 23.546 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	128639		
85	63.3		49.6	74.4





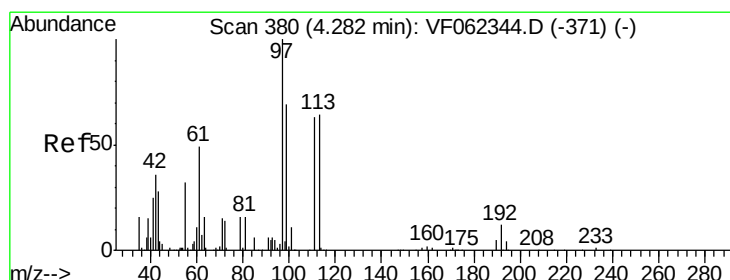
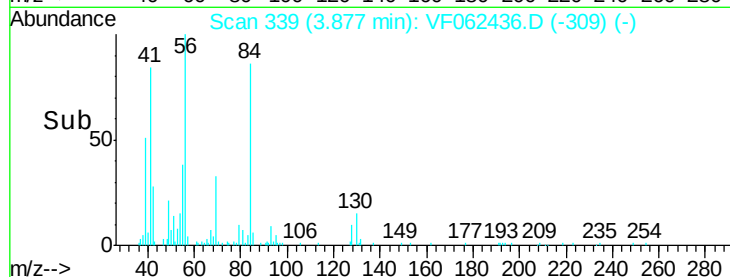
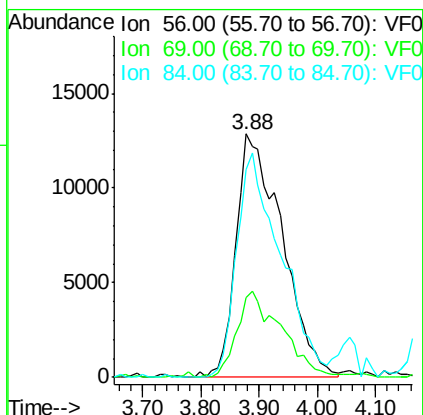
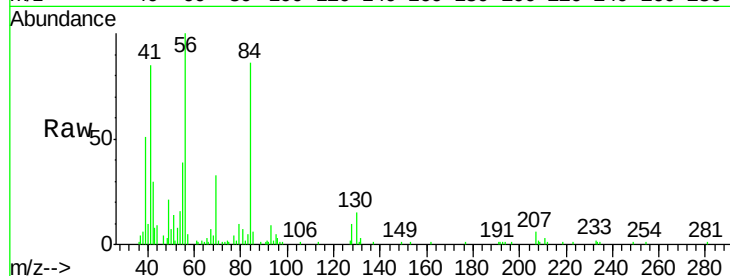
#31
Cyclohexane
Concen: 21.986 ug/l
RT: 3.88 min Scan# 339
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	30.7	26.4	39.6
84	85.6	69.0	103.6

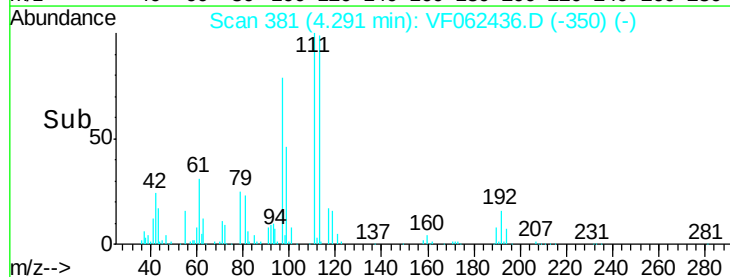
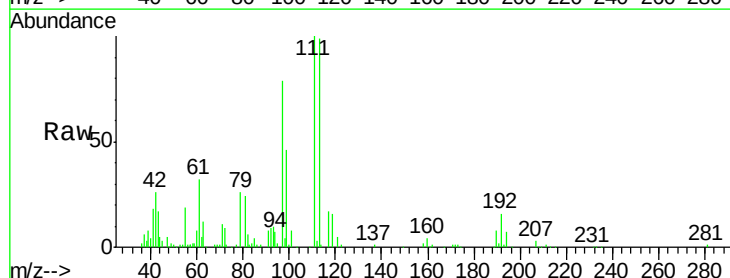
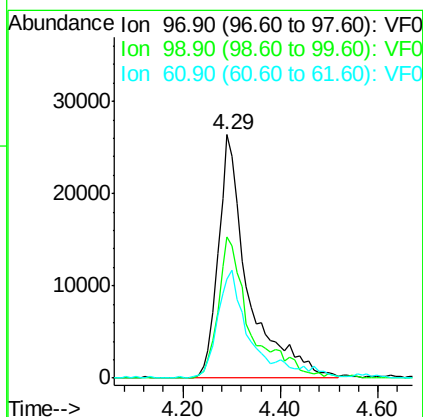
Manual Integrations
APPROVED

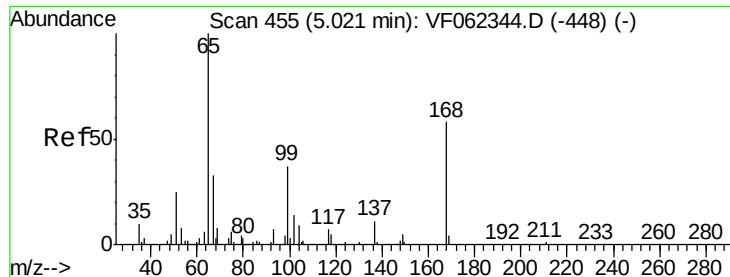
mohammad
5/14/2019 8:35:50 AM



#32
1,1,1-Trichloroethane
Concen: 24.079 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.7	52.6	78.8
61	45.9	39.4	59.0





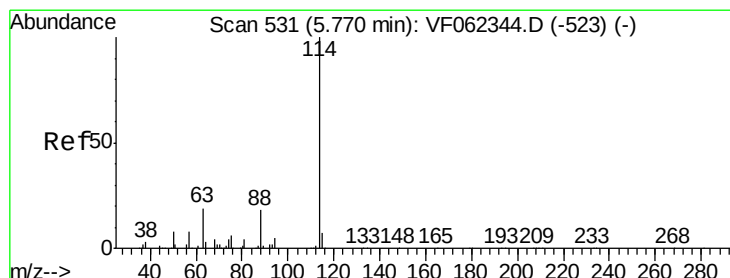
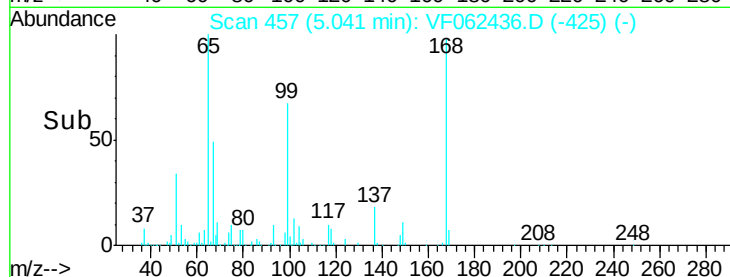
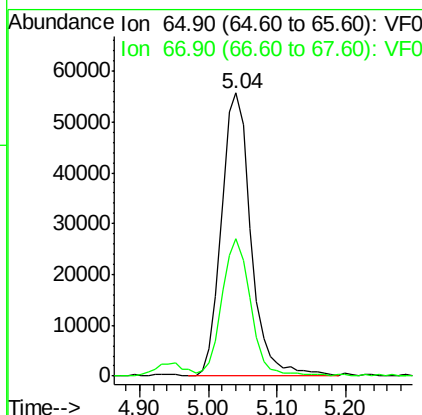
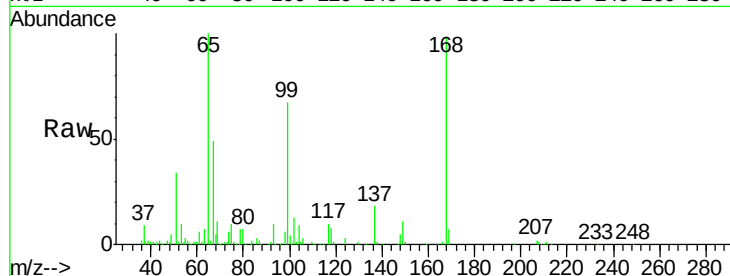
#33
 1,2-Dichloroethane-d4
 Concen: 55.180 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.02 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	164841		
67	47.1	0.0	85.8	

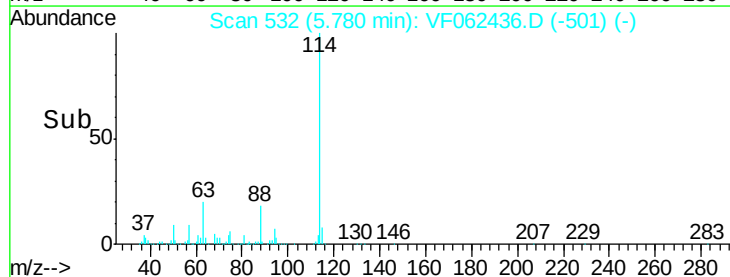
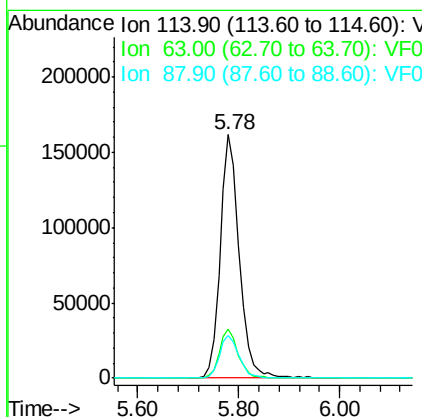
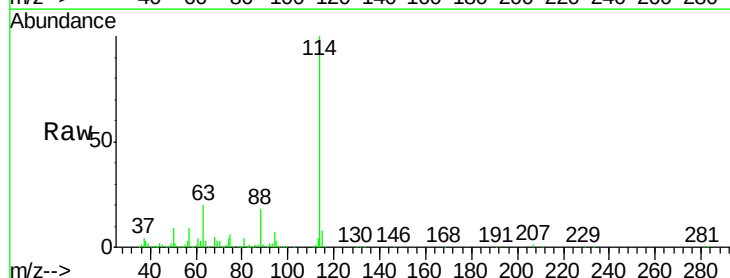
Manual Integrations
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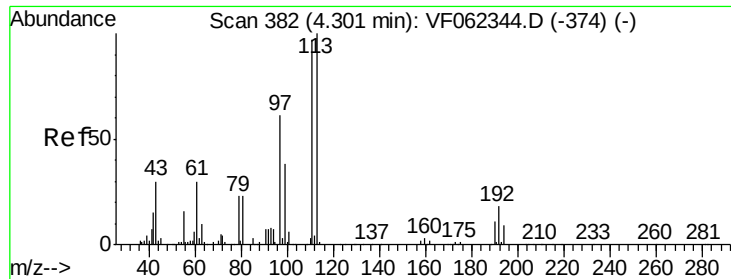
mohammad
 5/14/2019 8:35:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 532
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	424303		
63	20.1	0.0	37.4	
88	17.7	0.0	36.4	





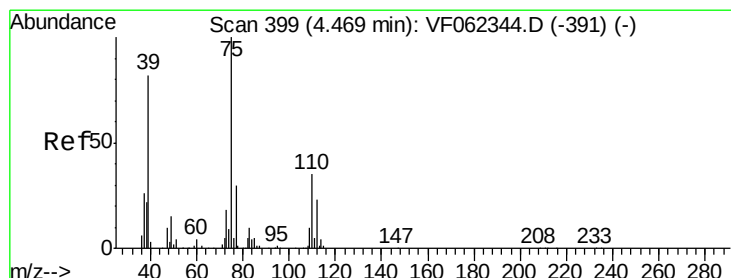
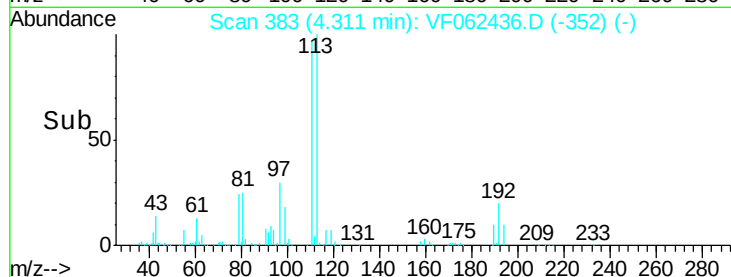
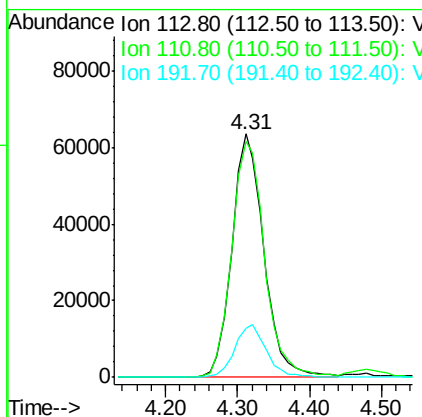
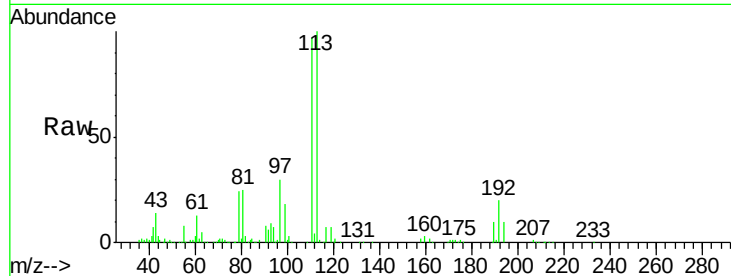
#35
 Dibromofluoromethane
 Concen: 58.022 ug/l
 RT: 4.31 min Scan# 383
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
113	100		
111	99.8	79.4	119.0
192	21.3	16.0	24.0

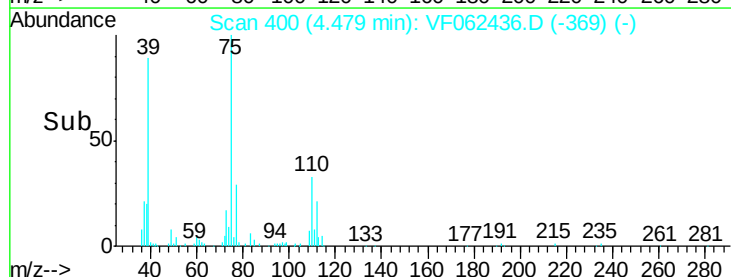
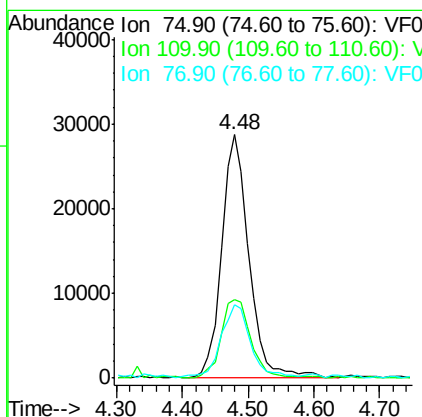
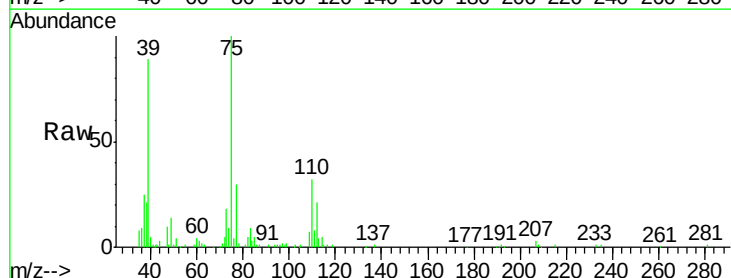
Manual Integrations
 APPROVED

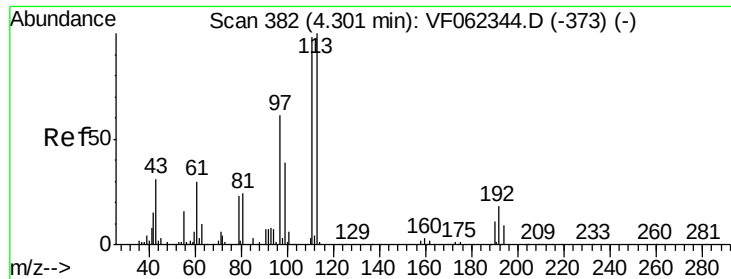
mohammad
 5/14/2019 8:35:50 AM



#36
 1,1-Dichloropropene
 Concen: 22.923 ug/l
 RT: 4.48 min Scan# 400
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.5
77	33.0	25.2	37.8





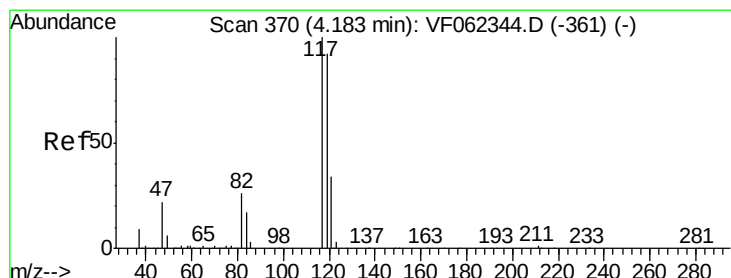
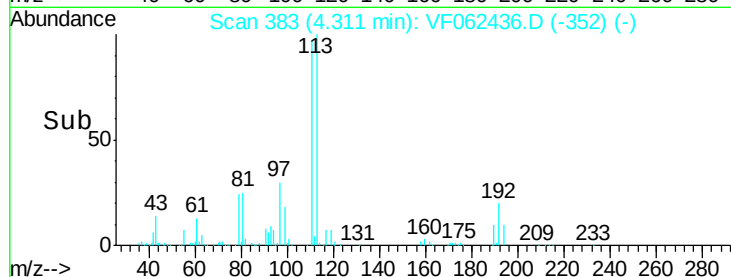
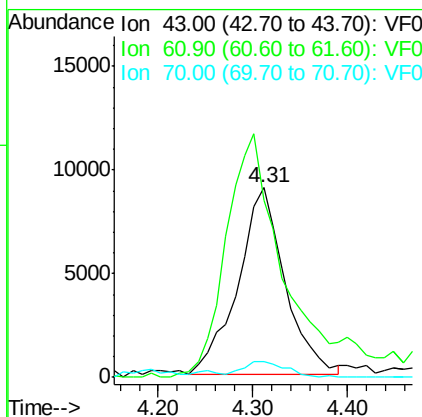
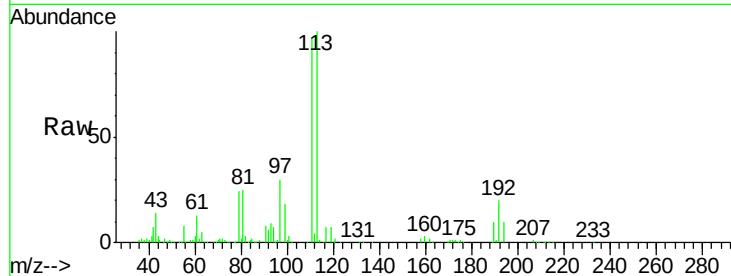
#37
Ethyl Acetate
Concen: 18.745 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	31281		
61	165.5	0.0	0.0#	
70	7.8	8.2	12.2#	

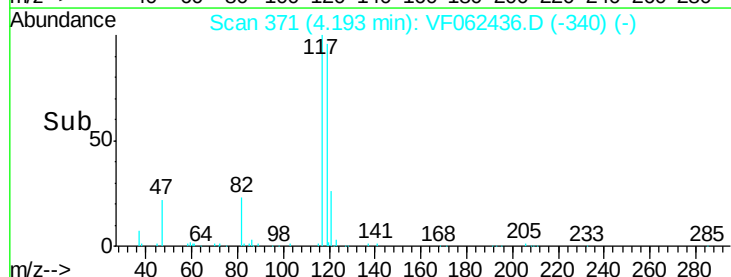
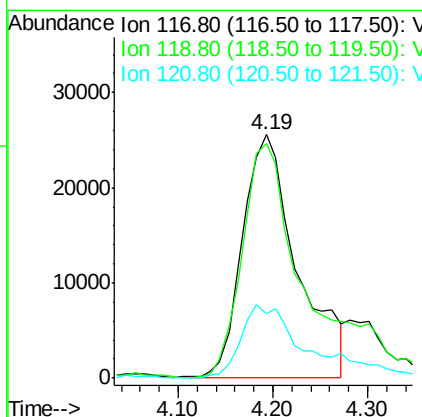
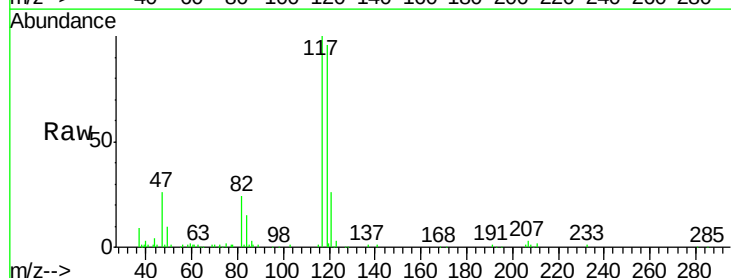
Manual Integrations
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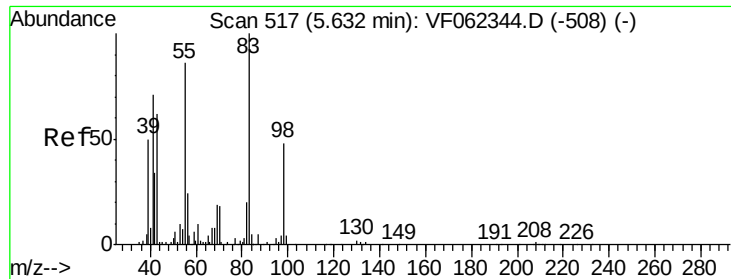
mohammad
5/14/2019 8:35:50 AM



#38
Carbon Tetrachloride
Concen: 26.052 ug/l m
RT: 4.19 min Scan# 371
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	103526		
119	96.3	73.4	110.2	
121	26.5	27.4	41.0#	





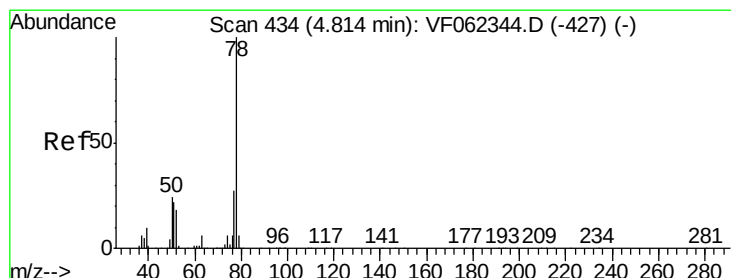
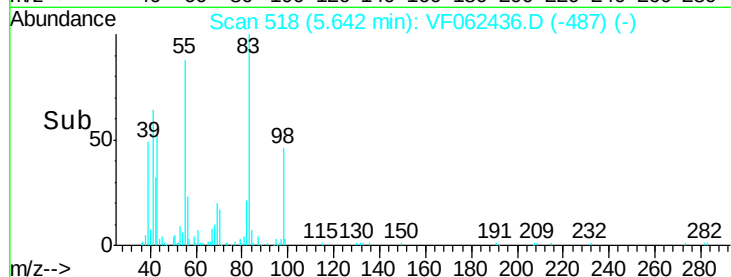
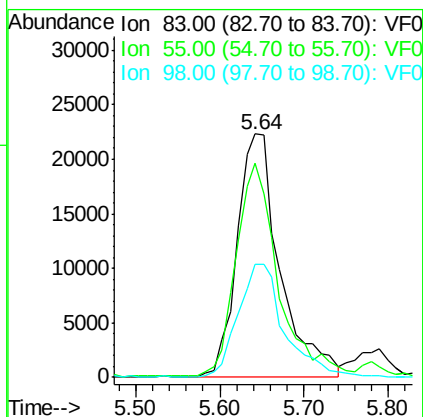
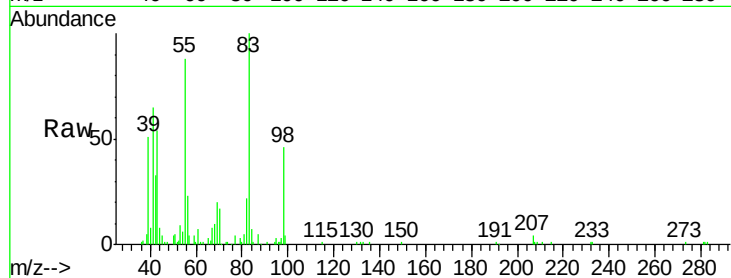
#39
Methylcyclohexane
Concen: 21.755 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.2	69.0	103.6
98	46.2	38.6	58.0

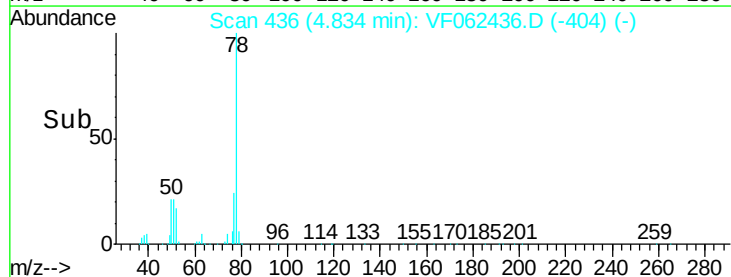
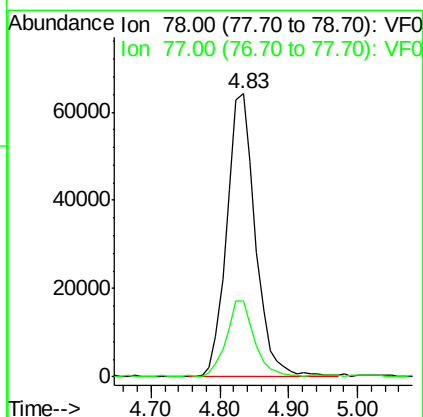
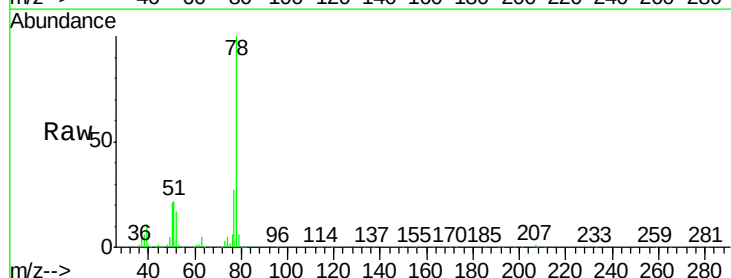
Manual Integrations
APPROVED

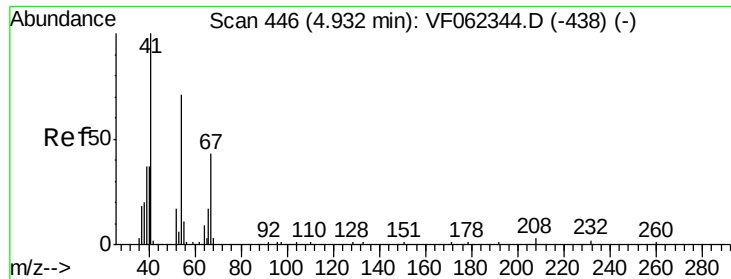
mohammad
5/14/2019 8:35:50 AM



#40
Benzene
Concen: 23.036 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.02 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	21.6	32.4





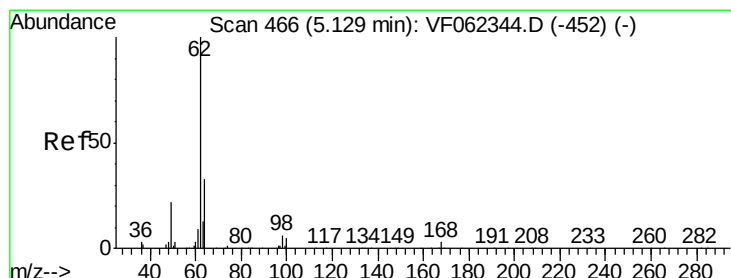
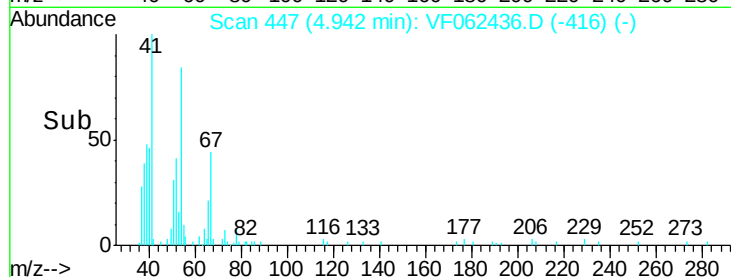
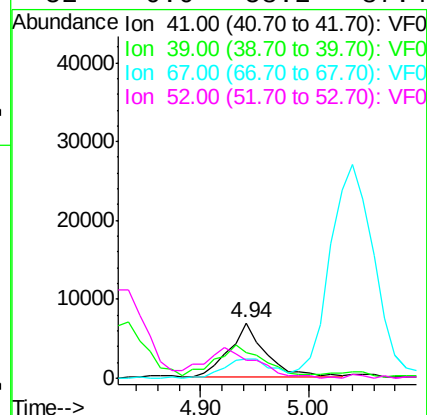
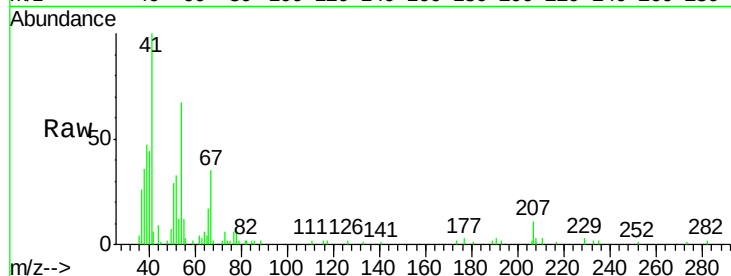
#41
Methacrylonitrile
Concen: 18.879 ug/l
RT: 4.94 min Scan# 447
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	77.2	54.3	81.5
67	48.0	37.8	56.8
52	0.0	58.2	87.4

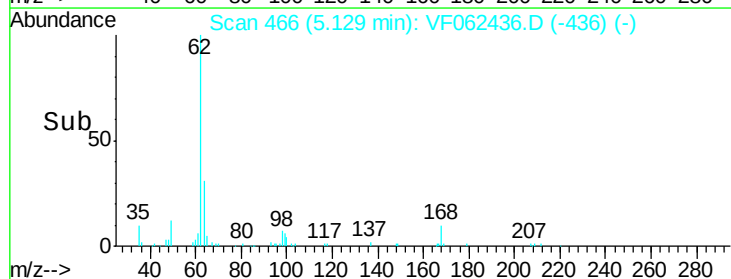
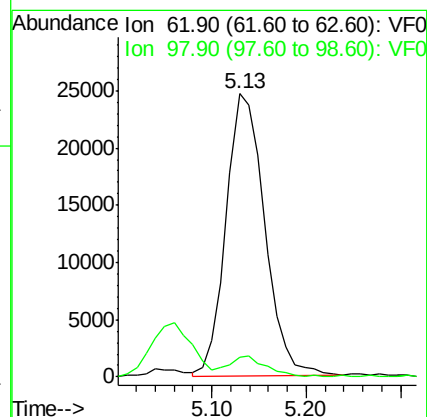
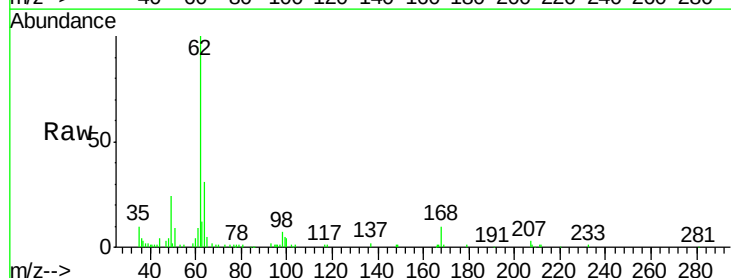
Manual Integrations
APPROVED

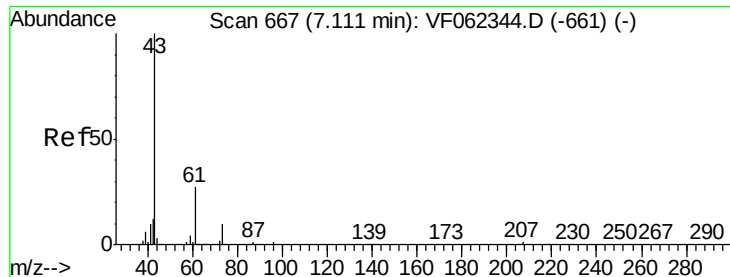
mohammad
5/14/2019 8:35:50 AM



#42
1,2-Dichloroethane
Concen: 20.741 ug/l
RT: 5.13 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	12.4





#43

Isopropyl Acetate

Concen: 19.012 ug/l

RT: 7.12 min Scan# 668

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

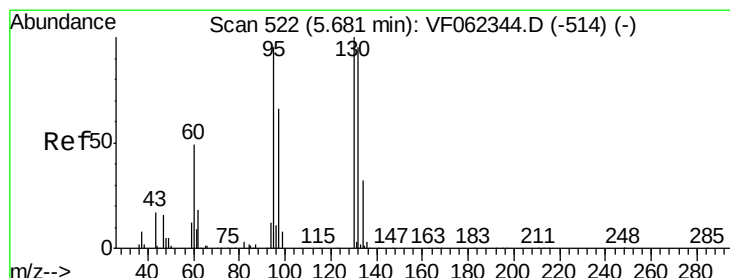
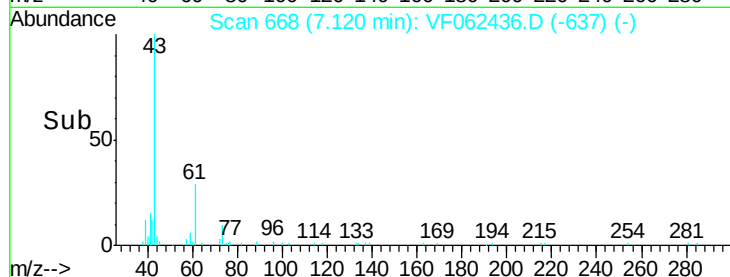
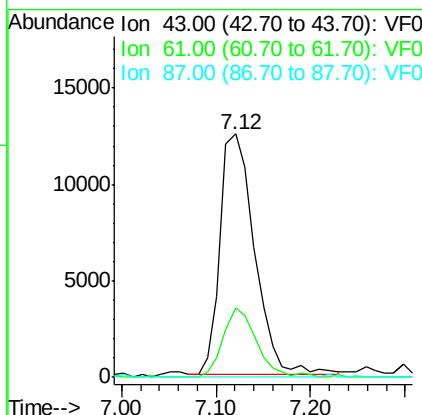
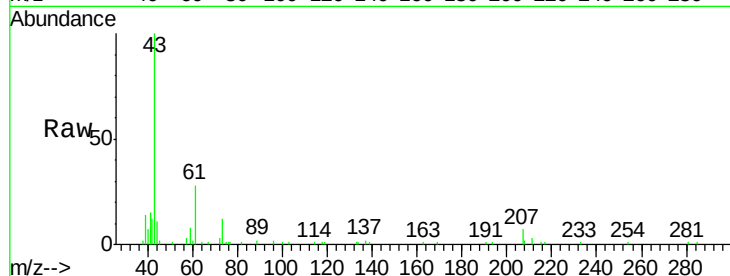
ClientSampleId :

VF0510SBSD02

Tgt Ion:	43	Resp:	31519
Ion Ratio	Lower	Upper	
43	100		
61	28.0	22.8	34.2
87	0.0	0.6	1.0#

Manual Integrations
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mohammad
5/14/2019 8:35:50 AM



#44

Trichloroethene

Concen: 22.550 ug/l

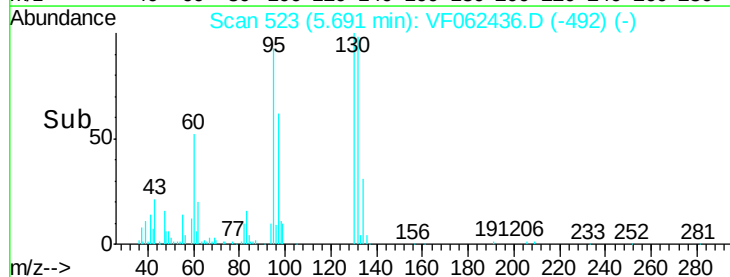
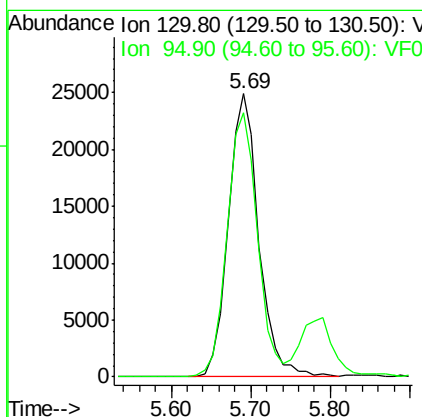
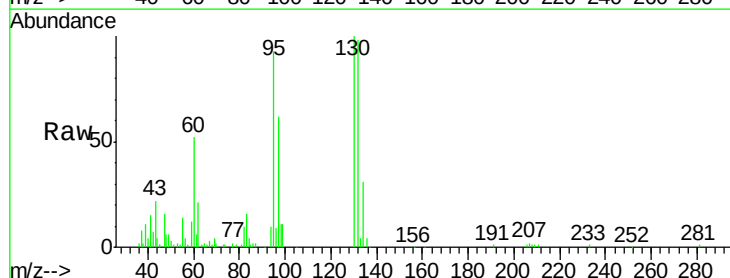
RT: 5.69 min Scan# 523

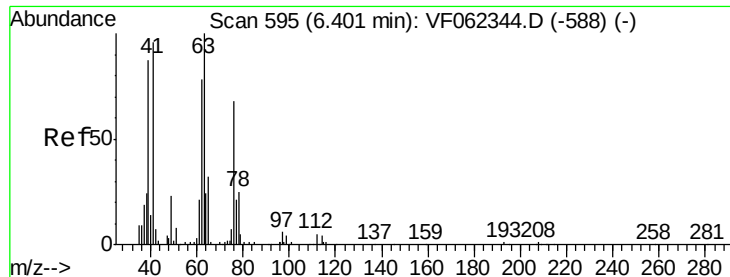
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	130	Resp:	66488
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	189.0





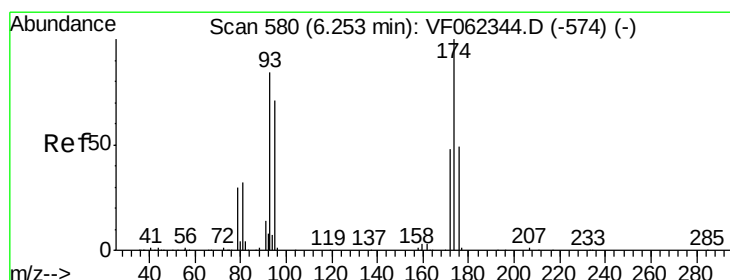
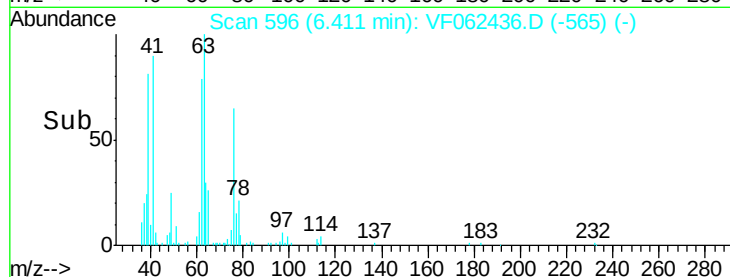
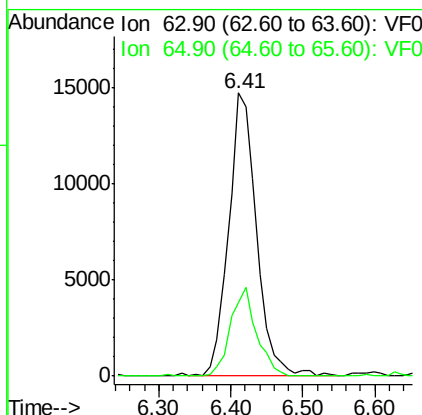
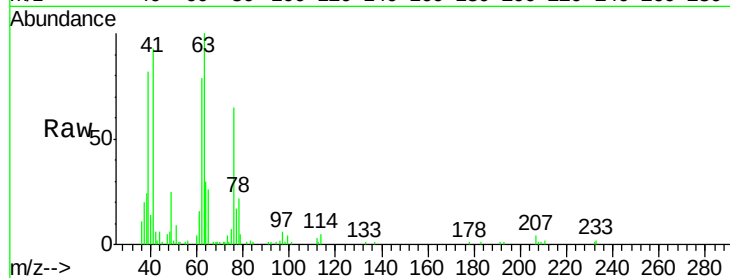
#45
1,2-Dichloropropane
Concen: 21.868 ug/l
RT: 6.41 min Scan# 596
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 63 Resp: 39756
Ion Ratio Lower Upper
63 100
65 26.1 25.6 38.4

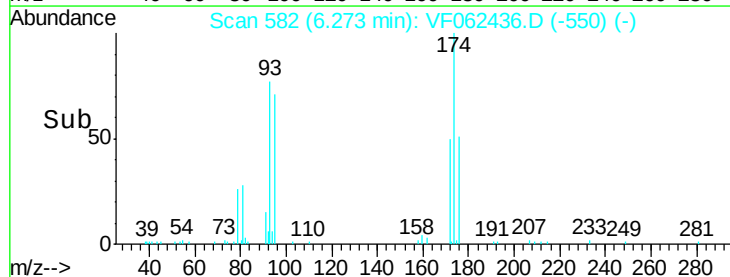
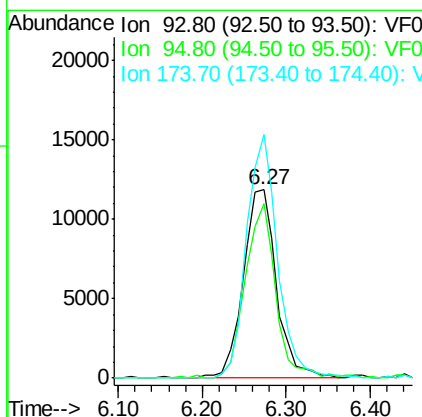
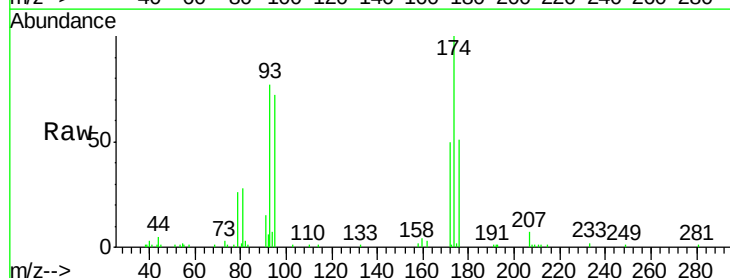
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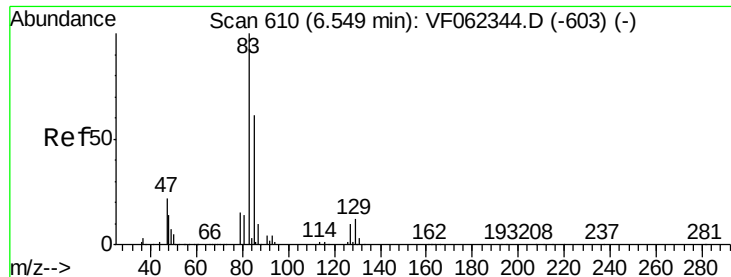
mohammad
5/14/2019 8:35:50 AM



#46
Dibromomethane
Concen: 21.733 ug/l
RT: 6.27 min Scan# 582
Delta R.T. 0.02 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 93 Resp: 32759
Ion Ratio Lower Upper
93 100
95 86.1 68.4 102.6
174 121.2 99.6 149.4





#47

Bromodichloromethane

Concen: 21.902 ug/l

RT: 6.56 min Scan# 611

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

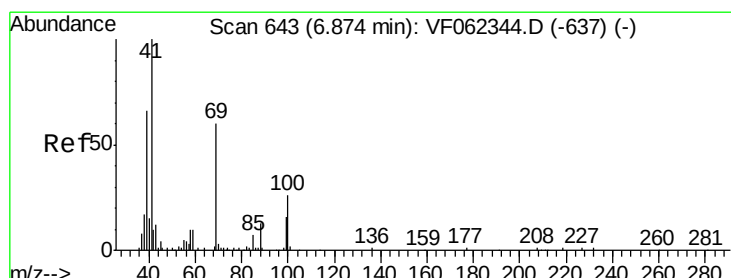
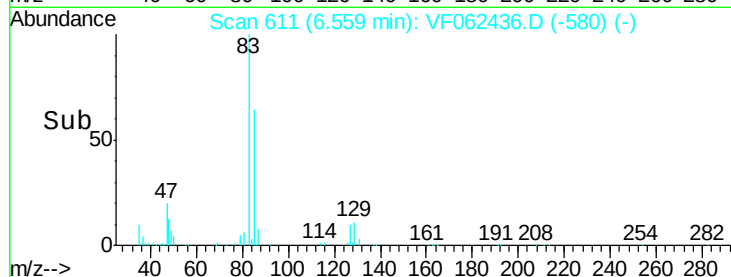
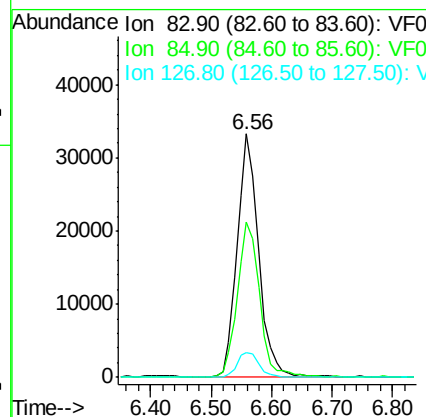
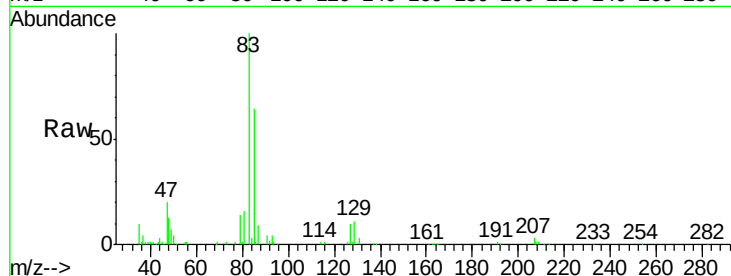
ClientSampleId :

VF0510SBS02

Tgt Ion:	83	Resp:	82540
Ion	Ratio	Lower	Upper
83	100		
85	63.6	49.1	73.7
127	10.0	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.374 ug/l

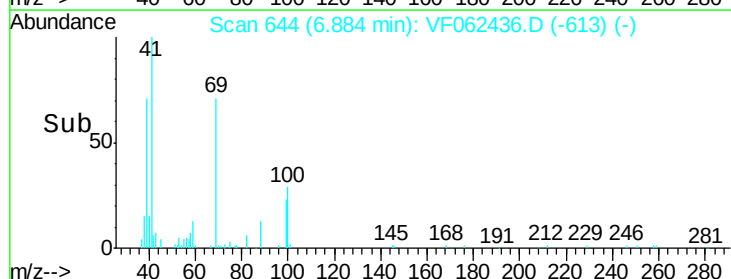
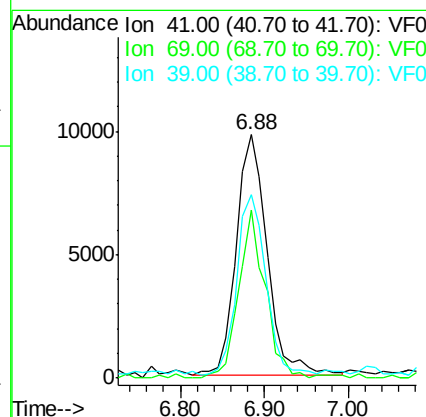
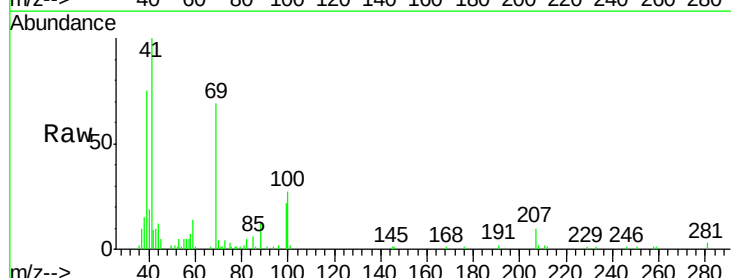
RT: 6.88 min Scan# 644

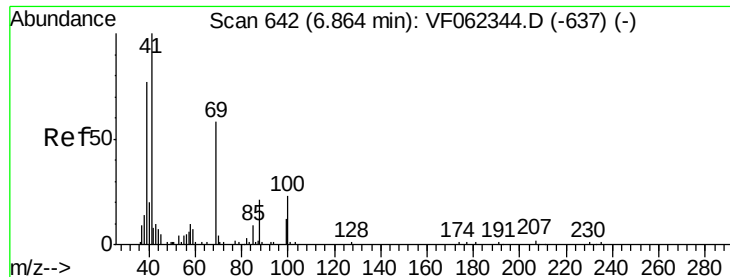
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	41	Resp:	25042
Ion	Ratio	Lower	Upper
41	100		
69	59.5	48.6	72.8
39	70.6	56.1	84.1





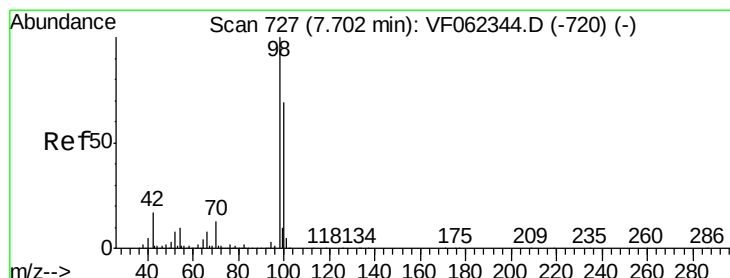
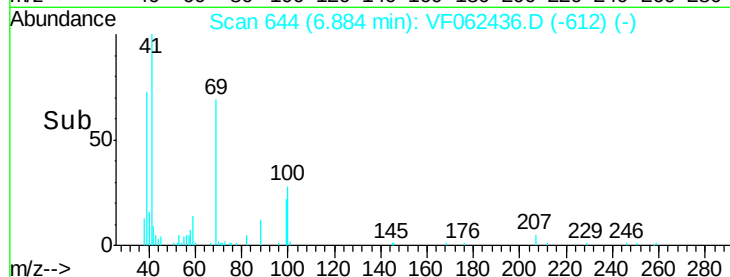
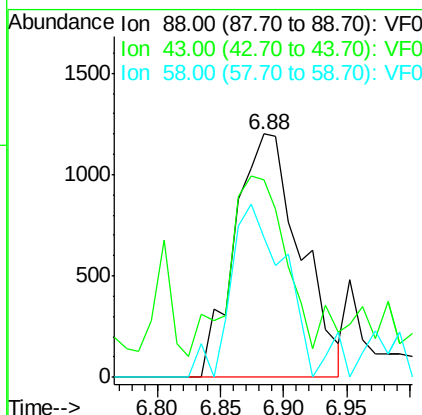
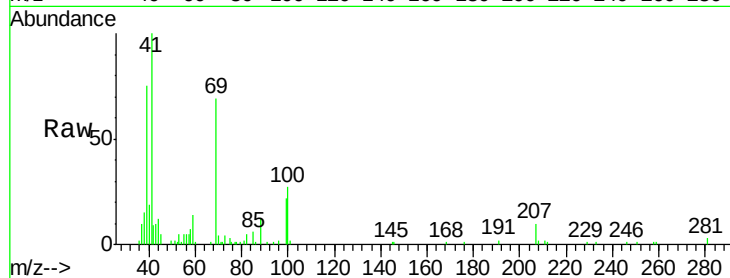
#49
1,4-Dioxane
Concen: 350.860 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.02 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	4330		
43	62.5	55.6	83.4	
58	57.3	52.8	79.2	

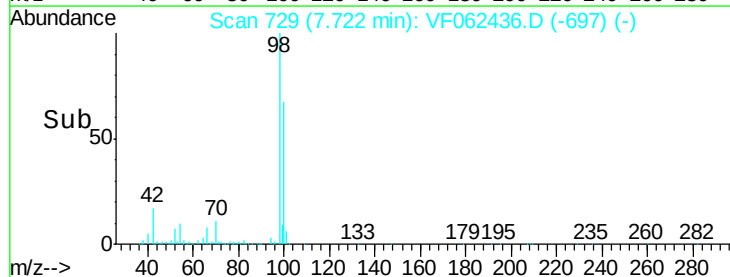
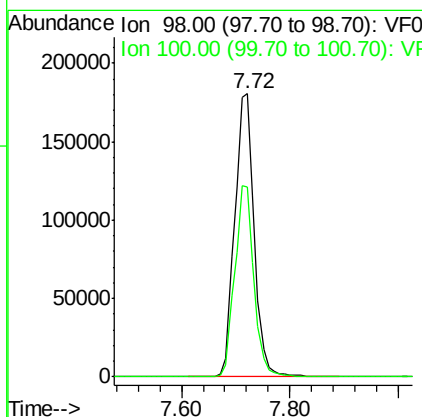
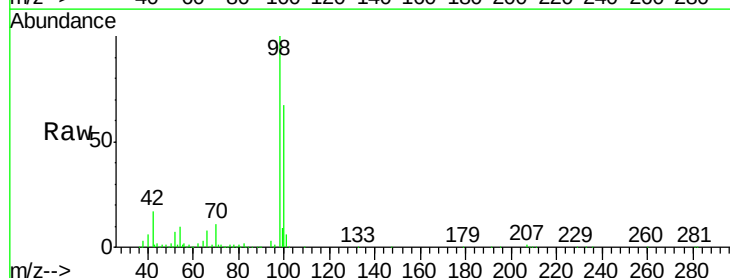
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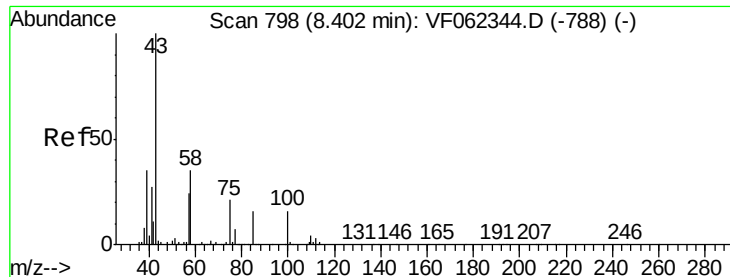
mohammad
5/14/2019 8:35:50 AM



#50
Toluene-d8
Concen: 55.804 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.02 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	456622		
100	66.4	53.3	79.9	





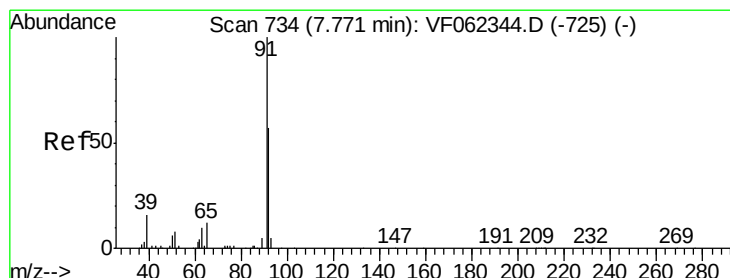
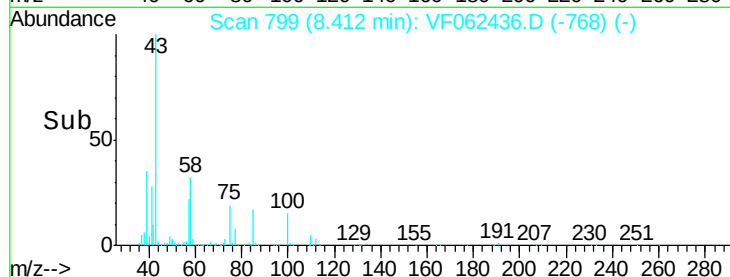
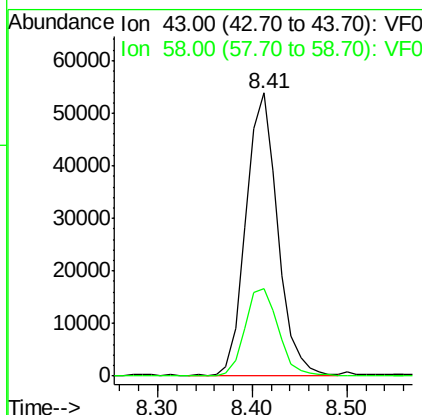
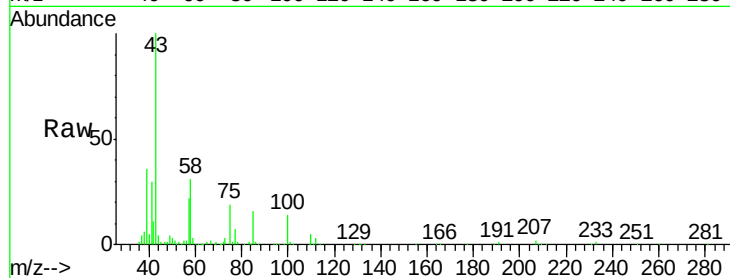
#51
4-Methyl-2-Pentanone
Concen: 100.441 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.8	41.6

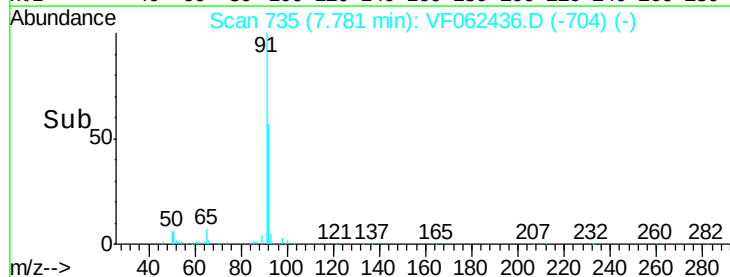
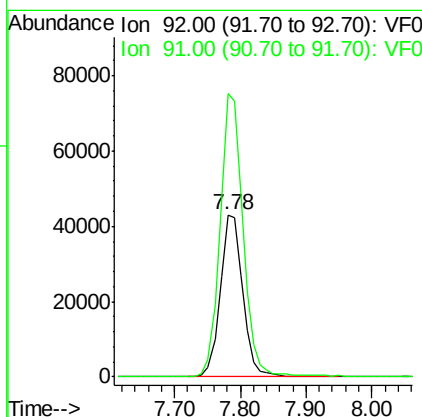
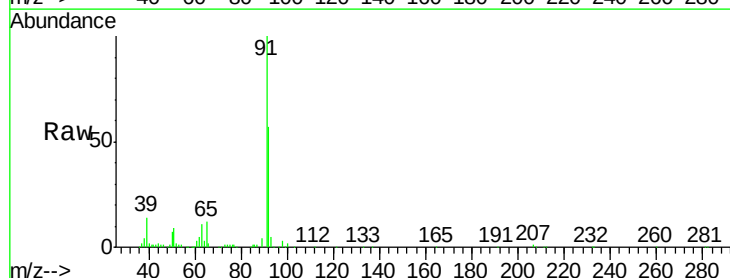
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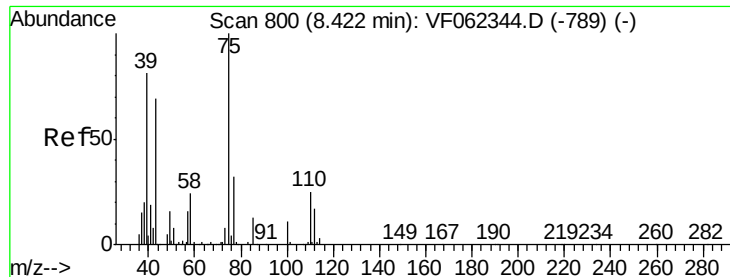
mohammad
5/14/2019 8:35:50 AM



#52
Toluene
Concen: 20.716 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
92	100		
91	178.4	138.7	208.1





#53

t-1,3-Dichloropropene

Concen: 20.058 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD02

Tgt Ion: 75 Resp: 57171

Ion Ratio Lower Upper

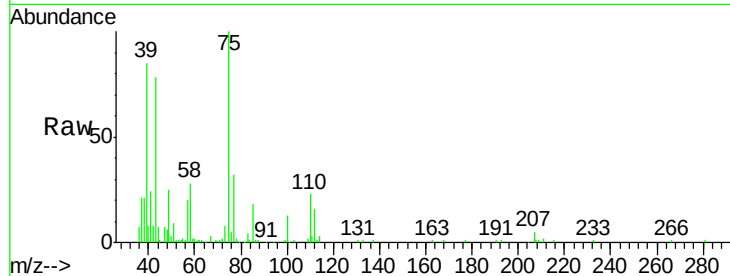
75 100

77 31.4 25.4 38.0

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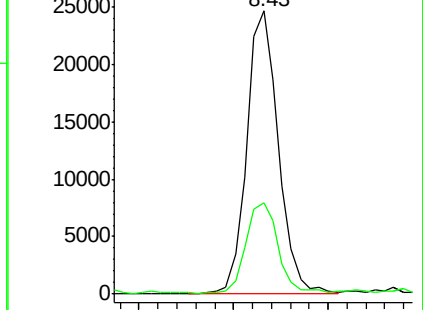
mohammad

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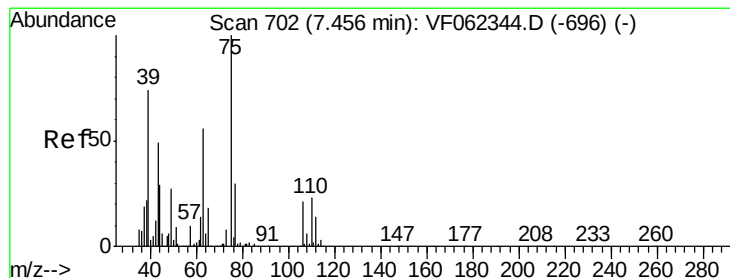
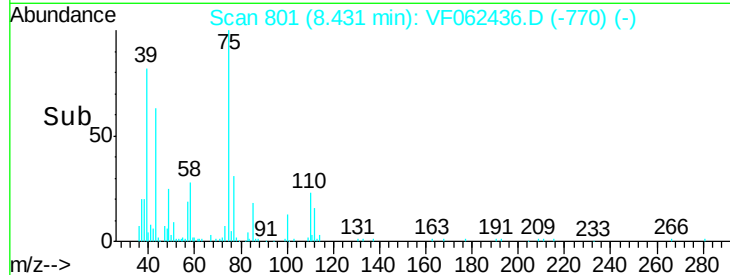


Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 76.90 (76.60 to 77.60): VF0



Time--> 8.30 8.40 8.50



#54

cis-1,3-Dichloropropene

Concen: 21.009 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

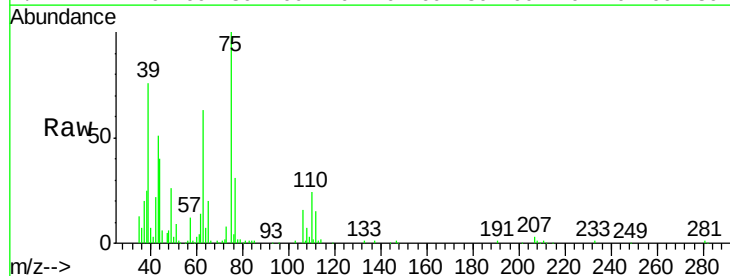
Tgt Ion: 75 Resp: 69692

Ion Ratio Lower Upper

75 100

77 30.8 24.0 36.0

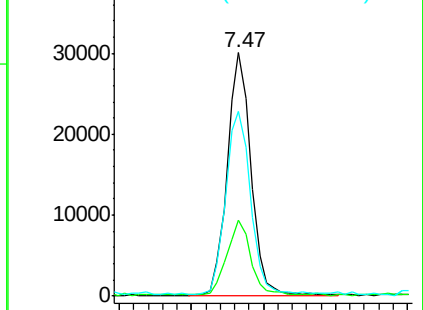
39 75.4 58.7 88.1



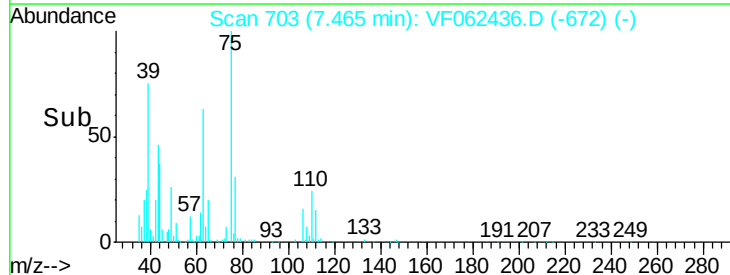
Abundance Ion 74.90 (74.60 to 75.60): VF0

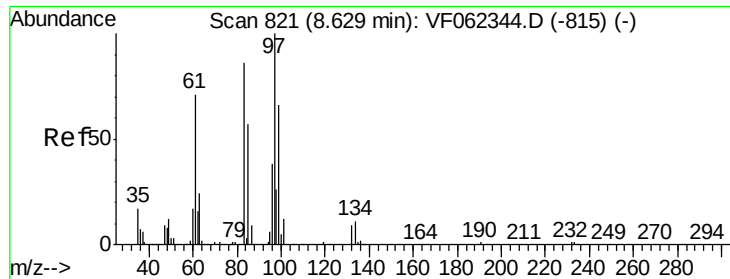
Ion 76.90 (76.60 to 77.60): VF0

Ion 39.00 (38.70 to 39.70): VF0



Time--> 7.30 7.40 7.50 7.60





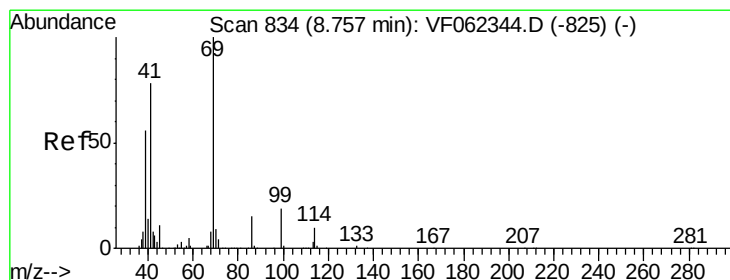
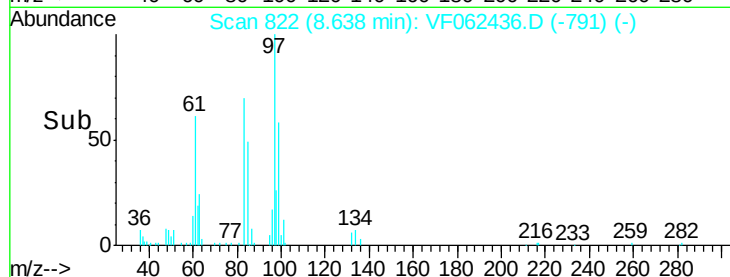
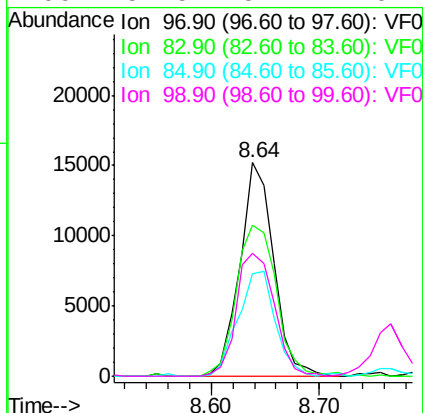
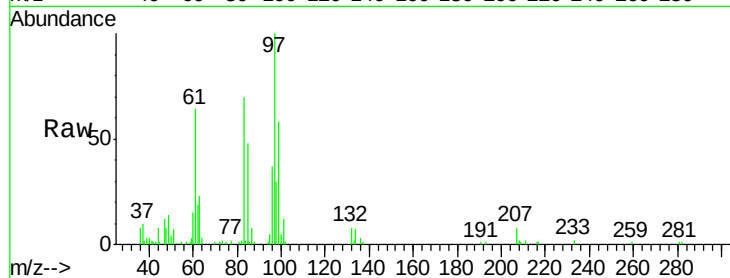
#55
 1,1,2-Trichloroethane
 Concen: 21.100 ug/l
 RT: 8.64 min Scan# 822
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion:	97	Resp:	33166
Ion	Ratio	Lower	Upper
97	100		
83	70.5	68.5	102.7
85	48.0	45.4	68.2
99	57.5	52.7	79.1

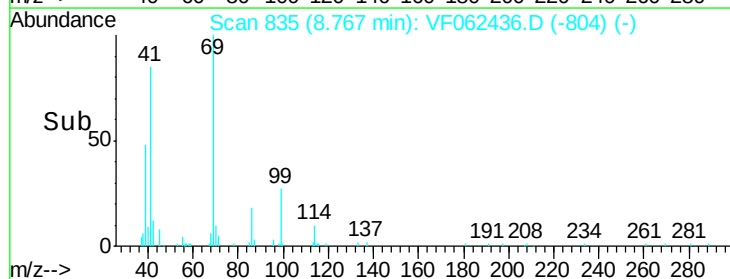
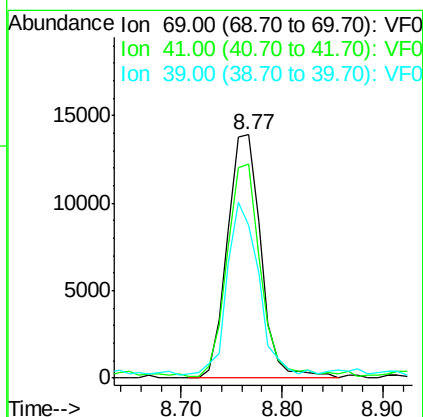
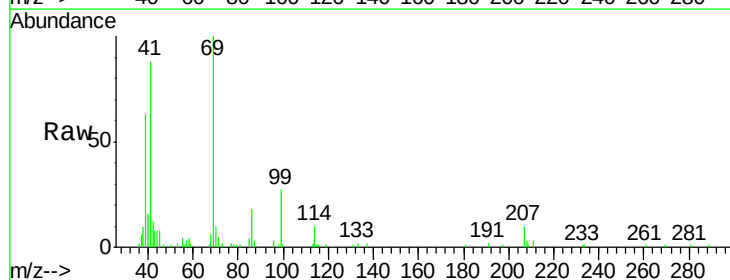
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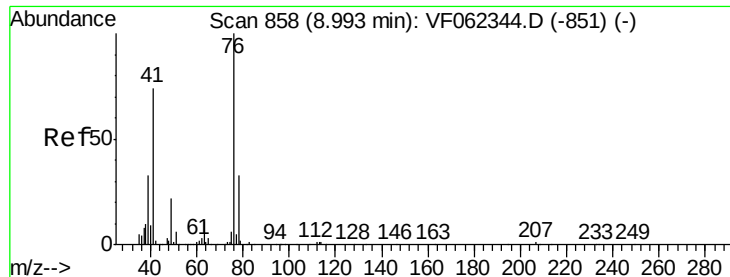
mohammad
 5/14/2019 8:35:50 AM



#56
 Ethyl methacrylate
 Concen: 19.442 ug/l
 RT: 8.77 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion:	69	Resp:	32259
Ion	Ratio	Lower	Upper
69	100		
41	87.8	66.3	99.5
39	65.2	50.1	75.1





#57

1,3-Dichloropropane

Concen: 21.610 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 76 Resp: 51310

Ion Ratio Lower Upper

76 100

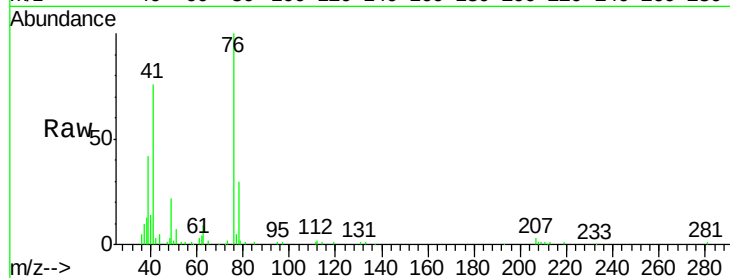
78 34.7 26.4 39.6

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0

9.00

25000

20000

15000

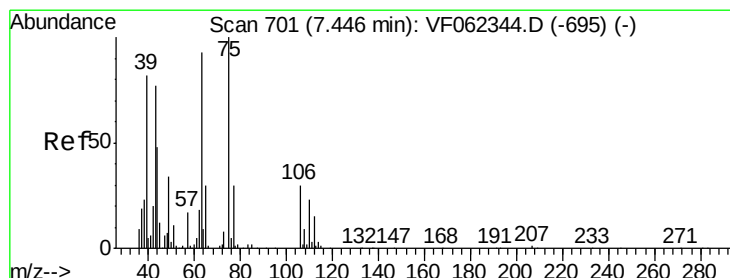
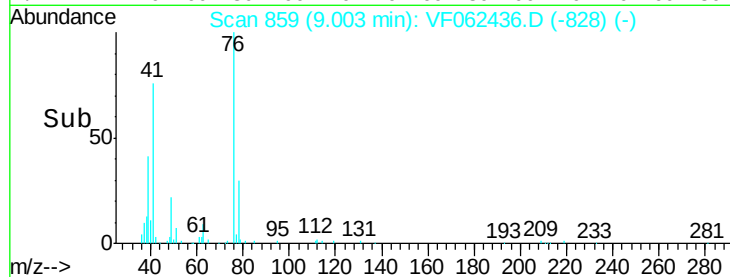
10000

5000

0

8.90 9.00 9.10

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 103.669 ug/l

RT: 7.46 min Scan# 702

Delta R.T. 0.01 min

Lab File: VF062436.D

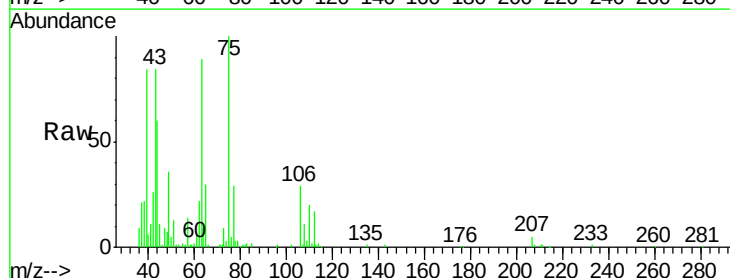
Acq: 10 May 2019 23:30

Tgt Ion: 63 Resp: 51715

Ion Ratio Lower Upper

63 100

106 29.8 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V

7.46

25000

20000

15000

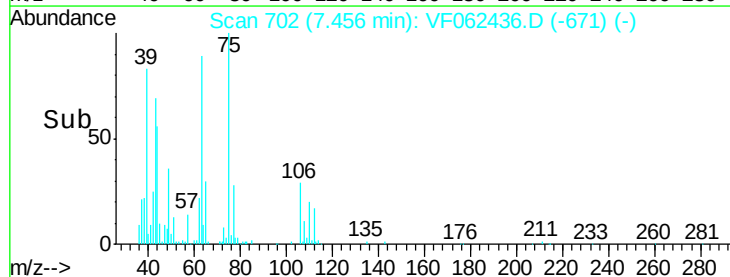
10000

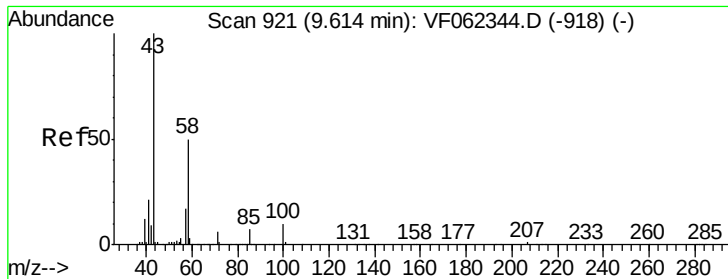
5000

0

7.40 7.50 7.60

Time-->





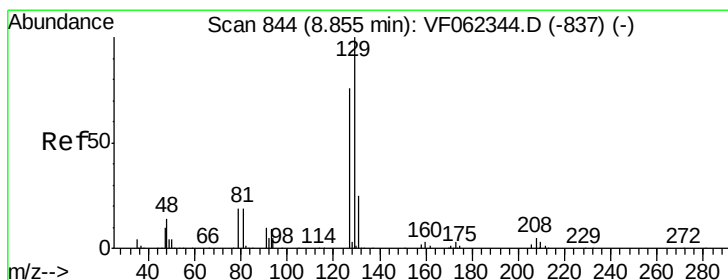
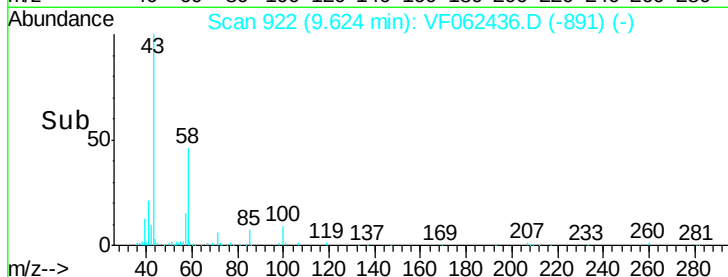
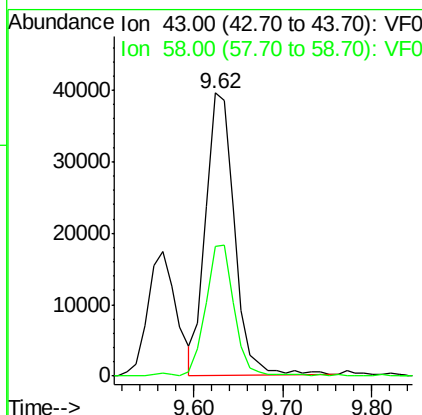
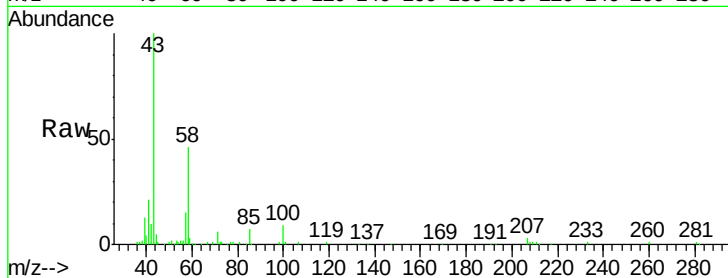
#59
2-Hexanone
Concen: 101.907 ug/l
RT: 9.62 min Scan# 922
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion: 43 Resp: 88540
Ion Ratio Lower Upper
43 100
58 45.9 24.3 73.0

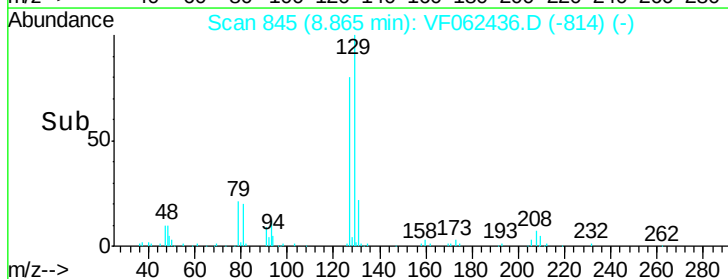
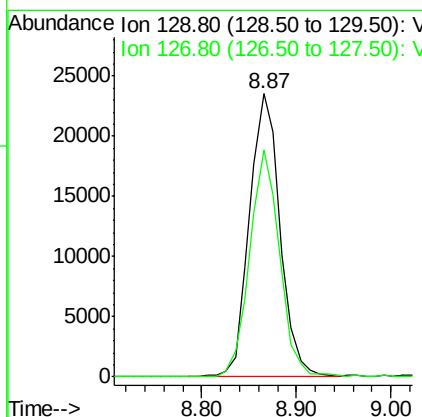
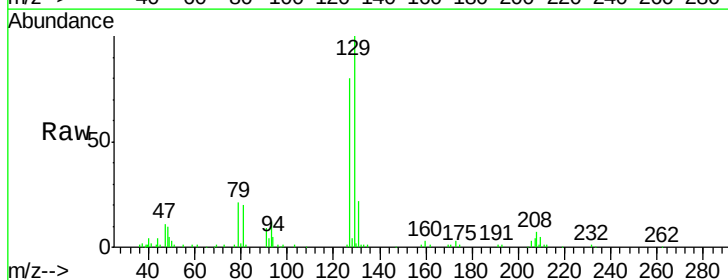
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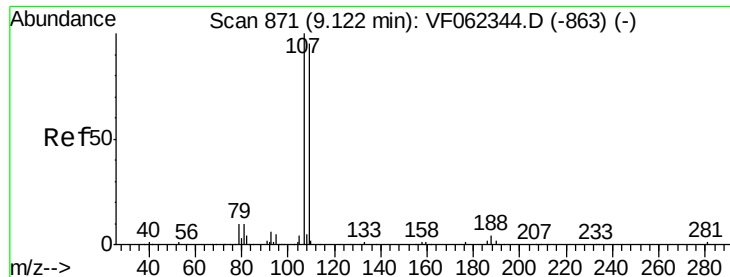
mohammad
5/14/2019 8:35:50 AM



#60
Dibromochloromethane
Concen: 20.620 ug/l
RT: 8.87 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 129 Resp: 53011
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 20.514 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.02 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBS02

Tgt Ion: 107 Resp: 37899

Ion Ratio Lower Upper

107 100

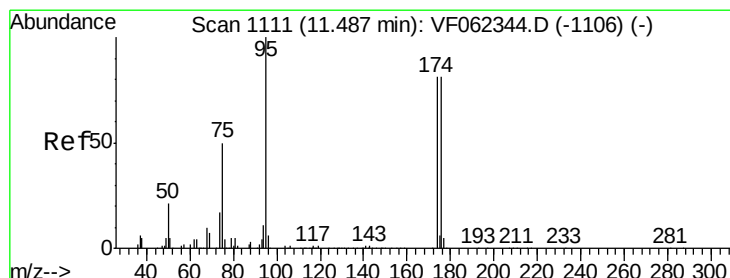
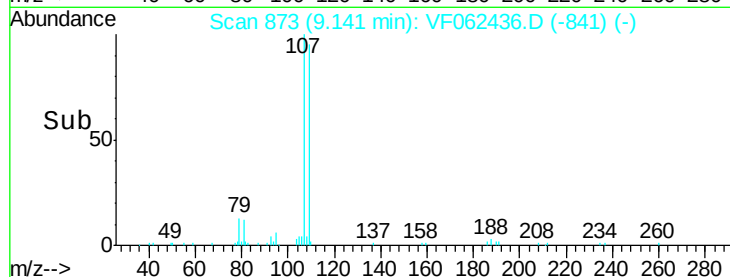
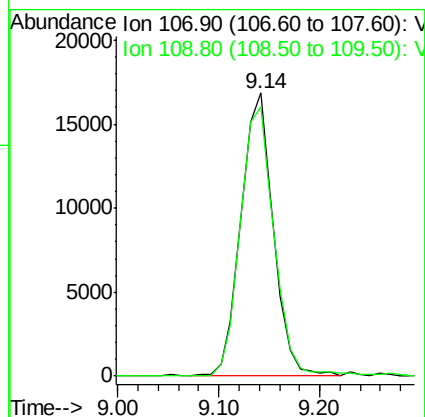
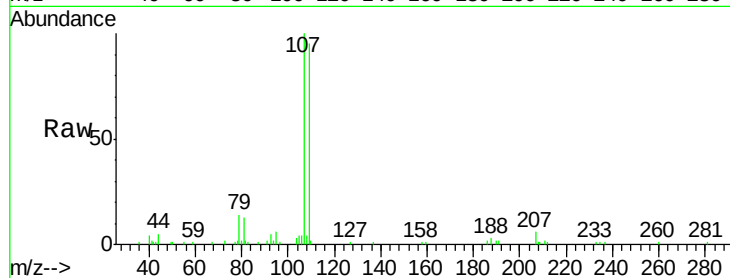
109 98.9 75.2 112.8

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#62

4-Bromofluorobenzene

Concen: 53.128 ug/l

RT: 11.50 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

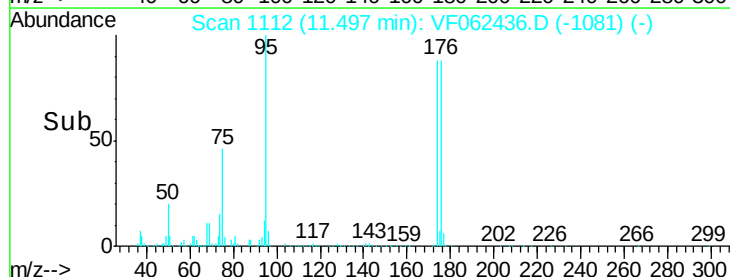
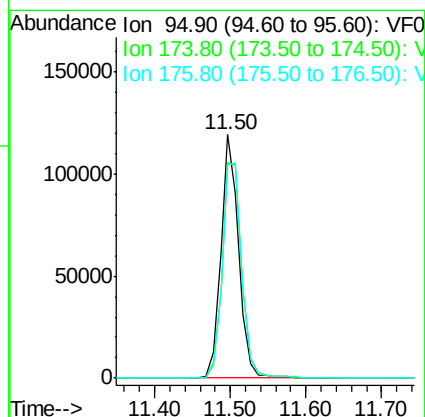
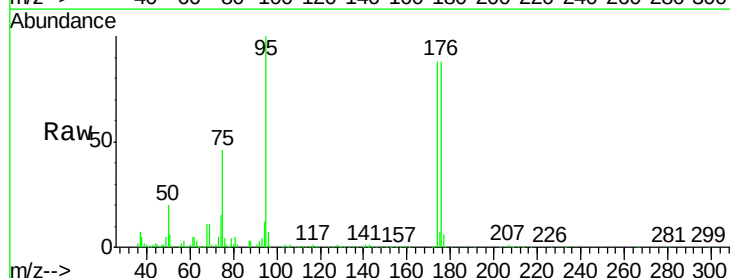
Tgt Ion: 95 Resp: 196132

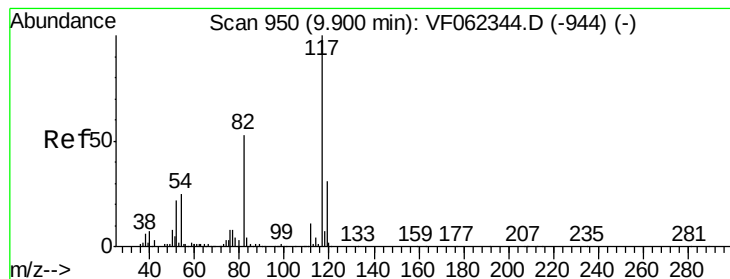
Ion Ratio Lower Upper

95 100

174 97.2 0.0 191.8

176 96.8 0.0 193.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.92 min Scan# 952

Delta R.T. 0.02 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

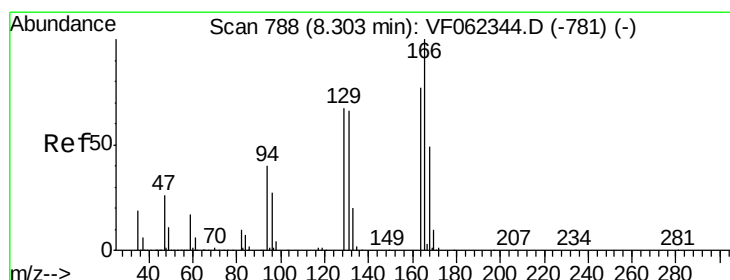
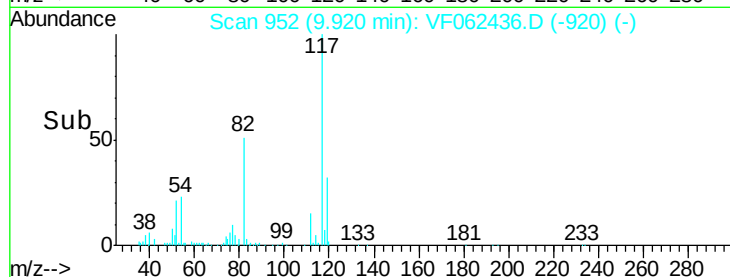
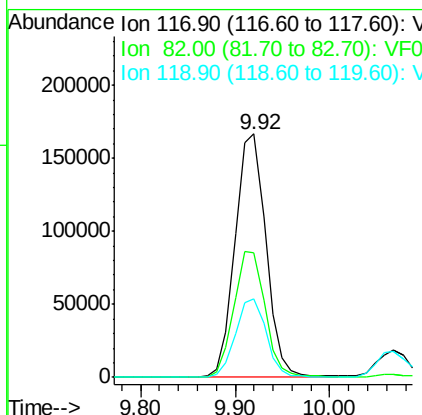
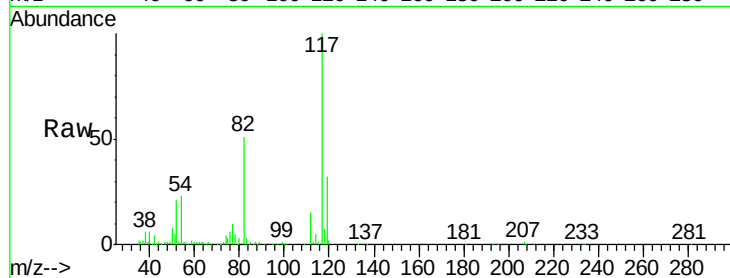
ClientSampleId :

VF0510SBS02

Tgt Ion:	117	Resp:	379054
Ion Ratio	Lower	Upper	
117	100		
82	51.3	42.2	63.2
119	32.3	25.0	37.4

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#64

Tetrachloroethene

Concen: 22.067 ug/l

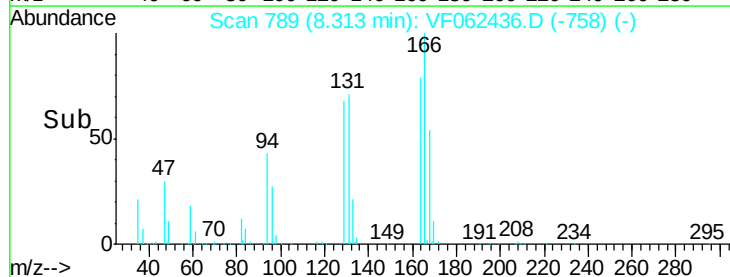
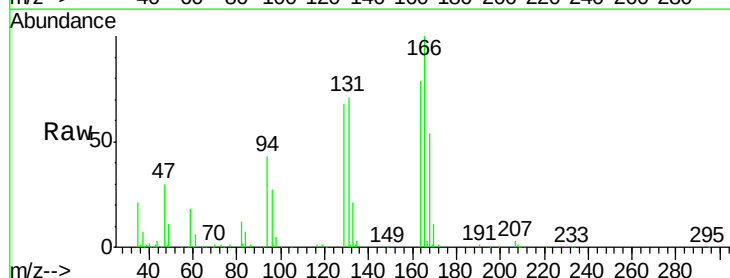
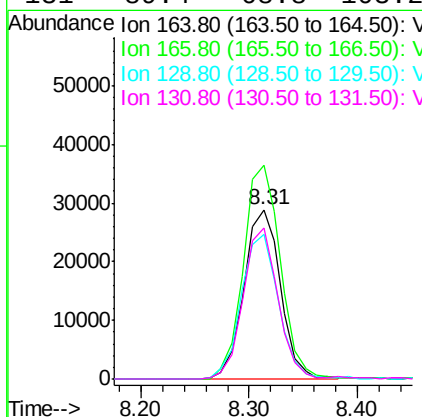
RT: 8.31 min Scan# 789

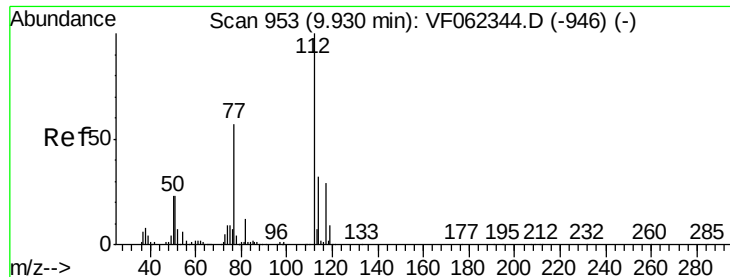
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	164	Resp:	67906
Ion Ratio	Lower	Upper	
164	100		
166	126.3	104.2	156.4
129	85.3	69.6	104.4
131	89.4	68.8	103.2





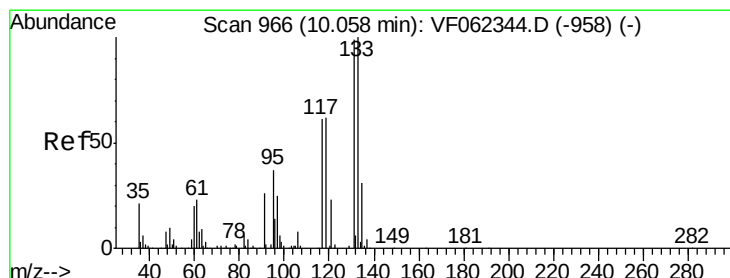
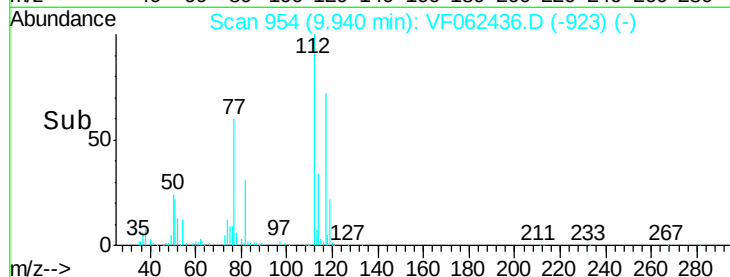
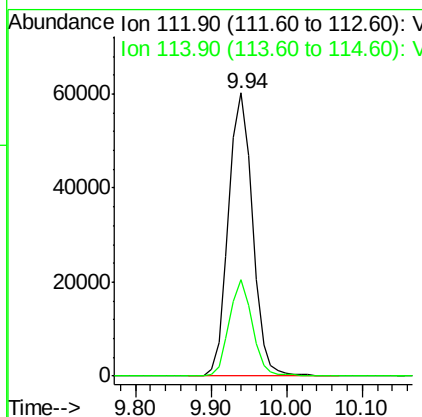
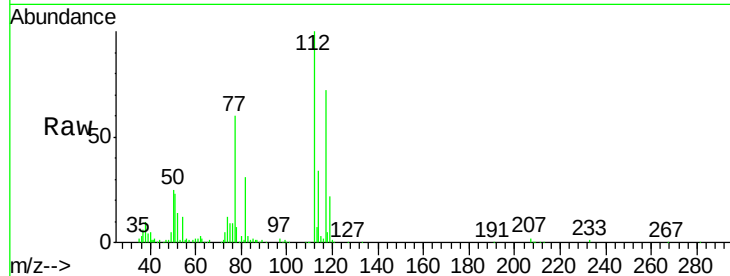
#65
Chlorobenzene
Concen: 21.250 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	133274		
114	33.9	25.4	38.0	

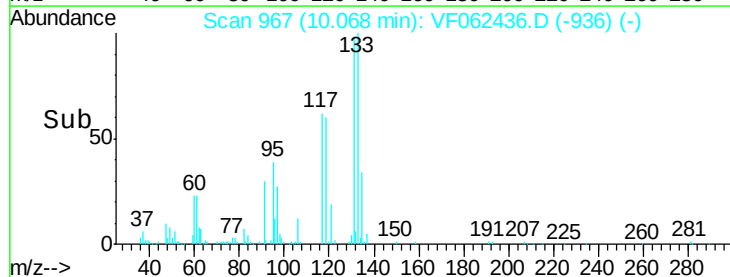
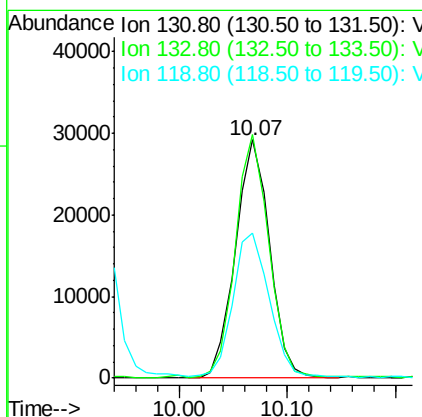
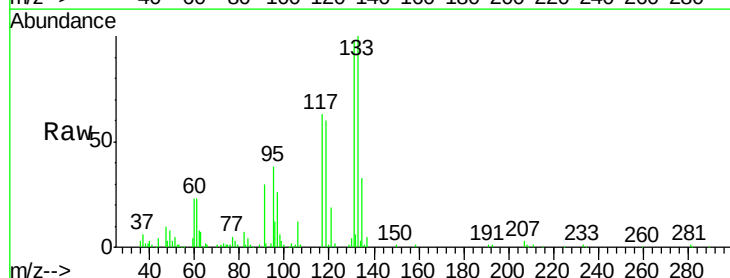
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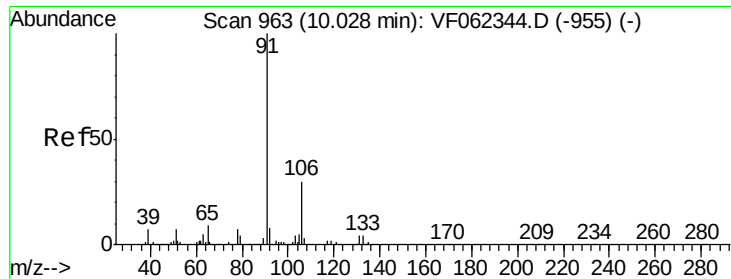
mohammad
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.439 ug/l
RT: 10.07 min Scan# 967
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	64667		
133	100.6	50.2	150.7	
119	65.8	31.6	95.0	





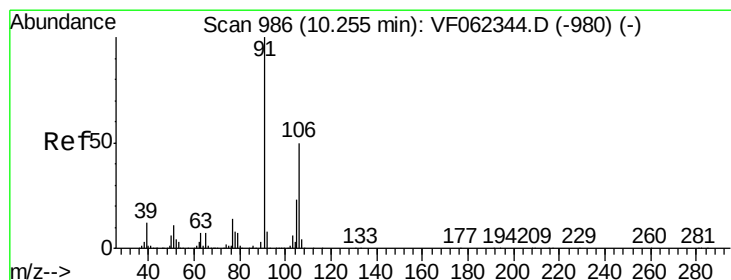
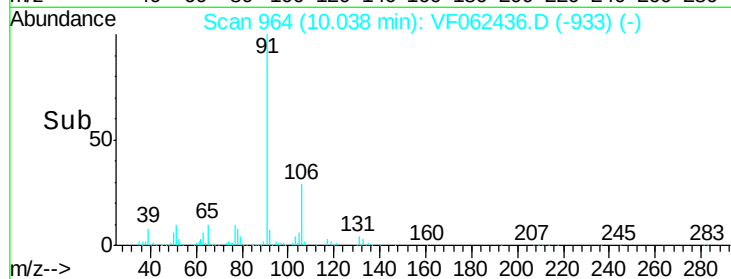
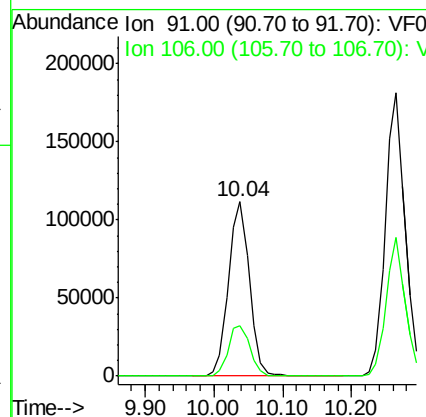
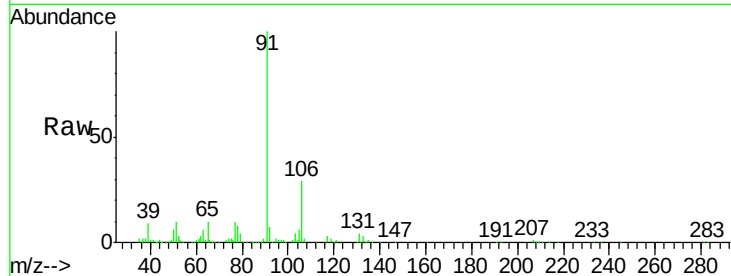
#67
Ethyl Benzene
Concen: 21.569 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBSD02

Tgt Ion: 91 Resp: 236880
Ion Ratio Lower Upper
91 100
106 28.7 24.1 36.1

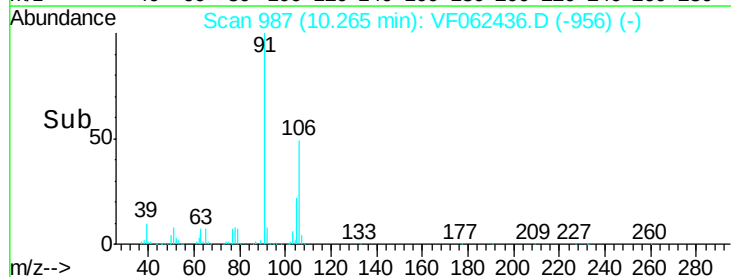
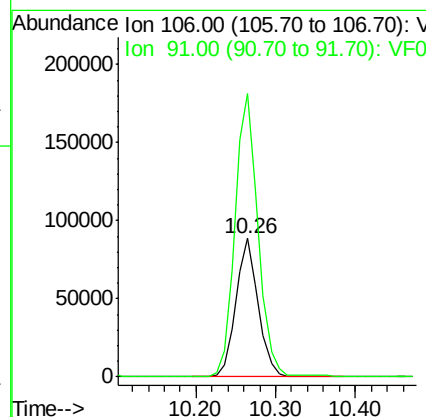
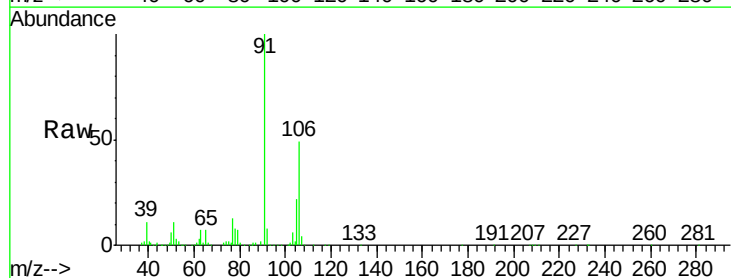
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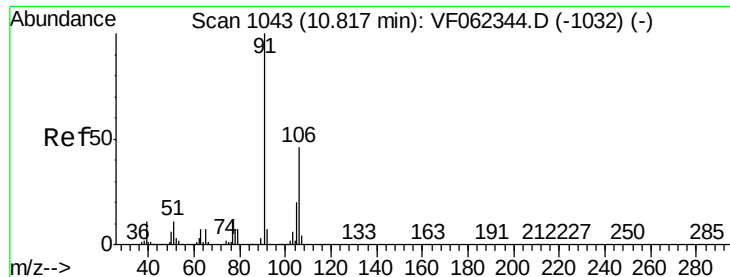
mohammad
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#68
m/p-Xylenes
Concen: 43.001 ug/l
RT: 10.26 min Scan# 987
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion: 106 Resp: 174242
Ion Ratio Lower Upper
106 100
91 209.8 167.4 251.2





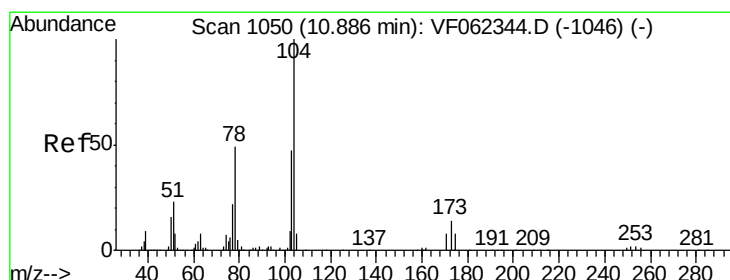
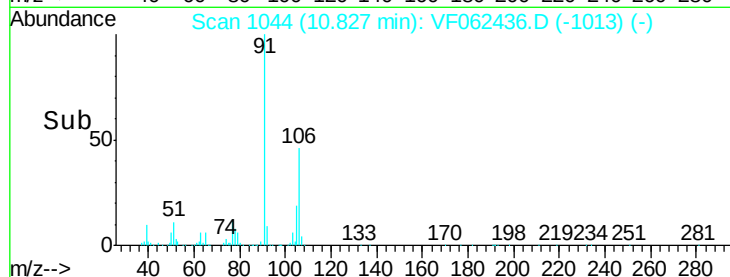
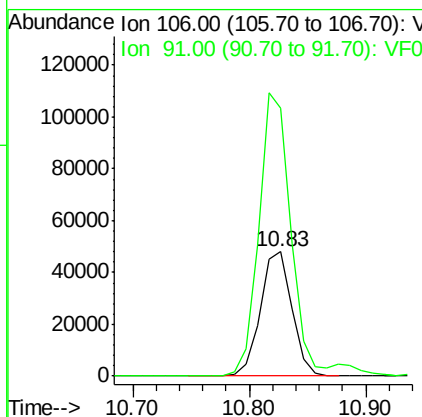
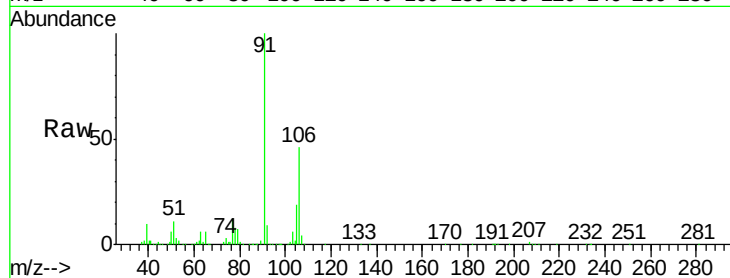
#69
o-Xylene
Concen: 20.600 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion:106 Resp: 90200
Ion Ratio Lower Upper
106 100
91 227.5 111.3 333.8

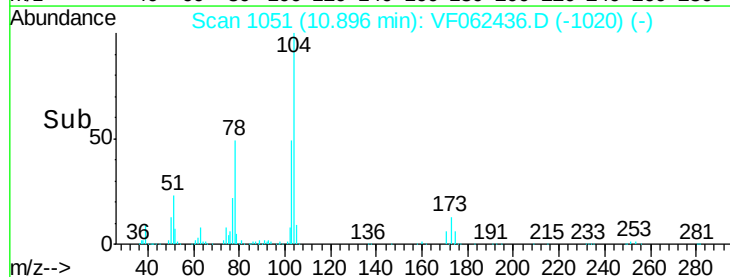
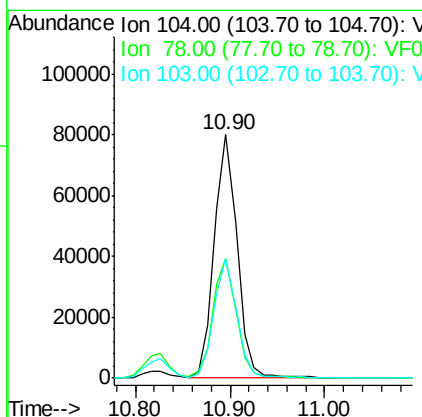
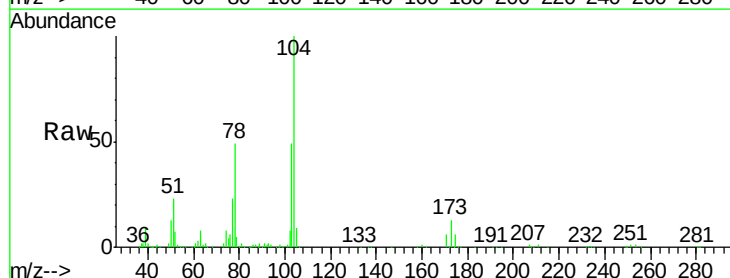
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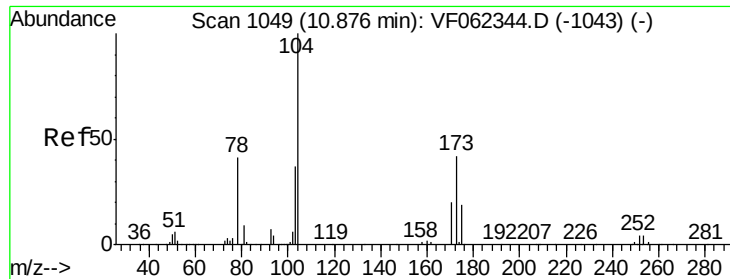
mohammad
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#70
Styrene
Concen: 20.565 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion:104 Resp: 134952
Ion Ratio Lower Upper
104 100
78 50.9 39.5 59.3
103 48.4 38.4 57.6





#71

Bromoform

Concen: 19.131 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

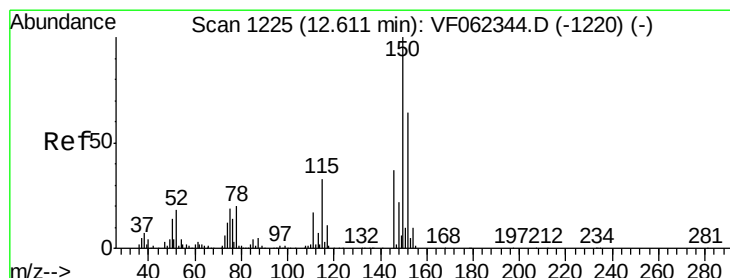
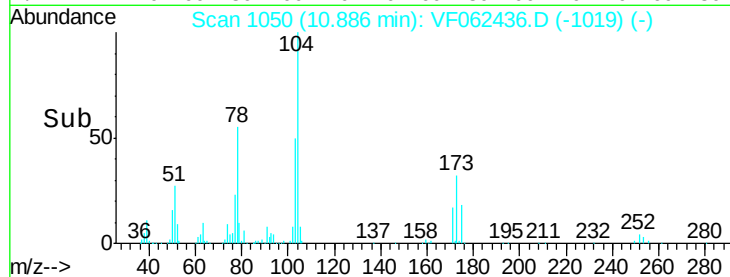
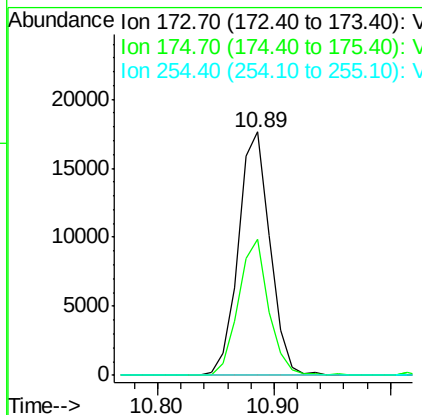
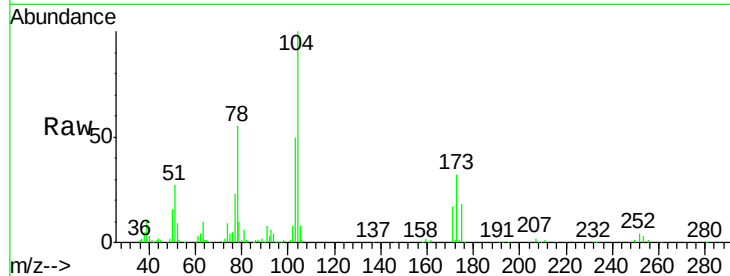
ClientSampleId :

VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	33161		
175	53.8	23.8	71.2	
254	0.0	0.1	0.1#	

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

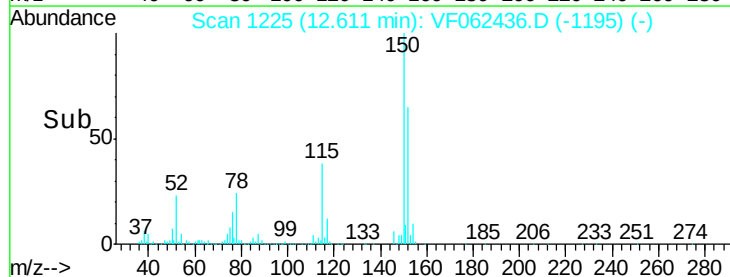
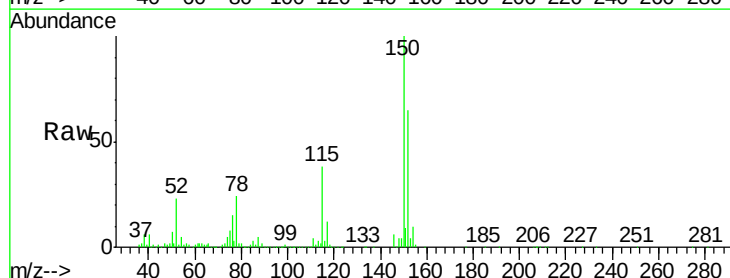
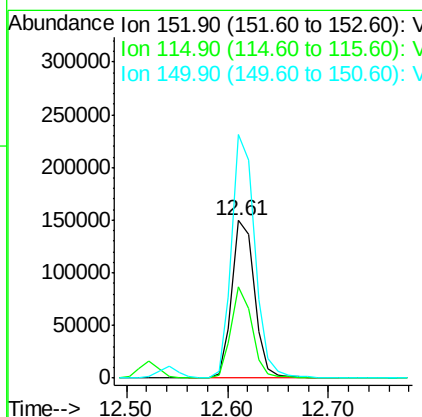
RT: 12.61 min Scan# 1225

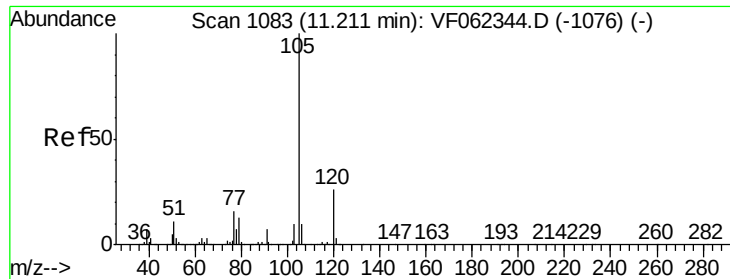
Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	235145		
115	54.0	26.4	79.2	
150	158.2	0.0	335.0	





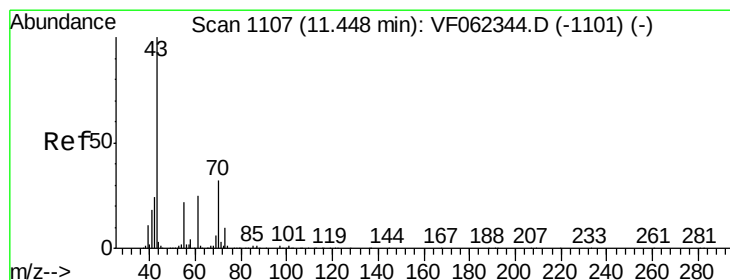
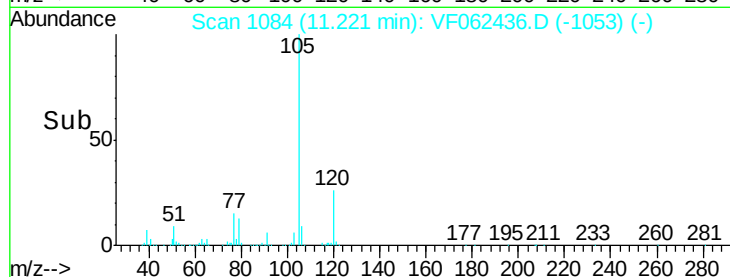
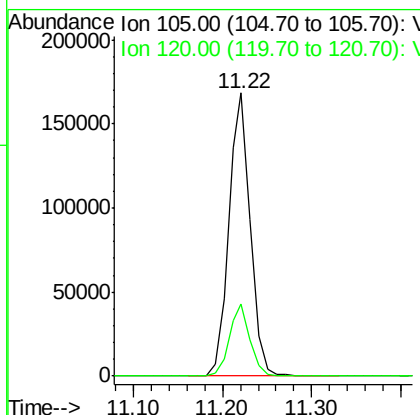
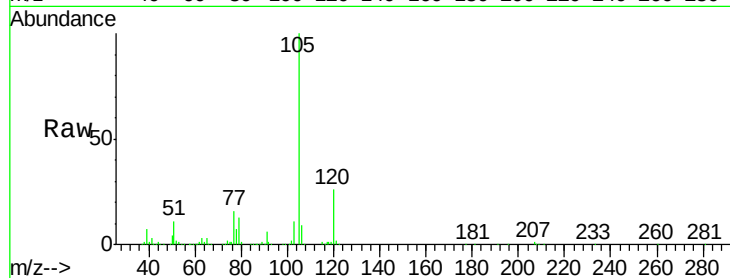
#73
Isopropylbenzene
Concen: 20.505 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.4	12.7	38.0

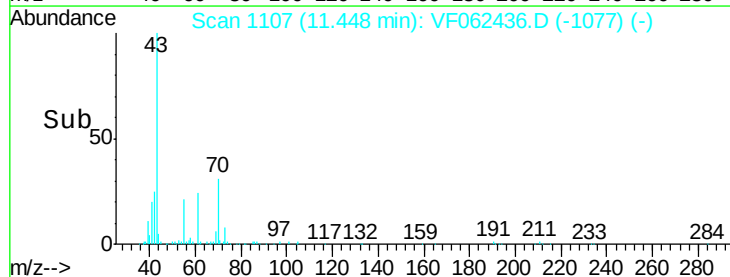
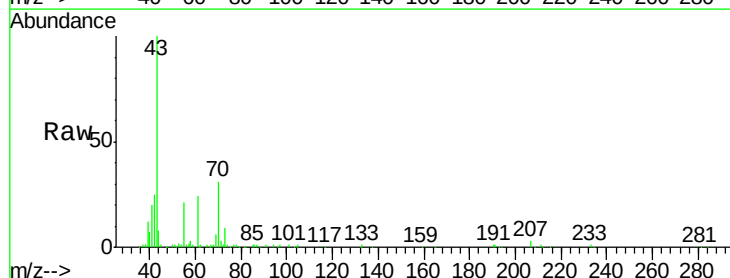
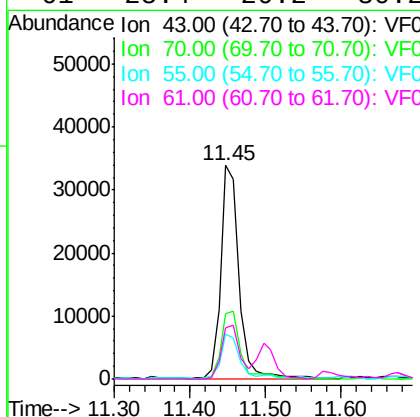
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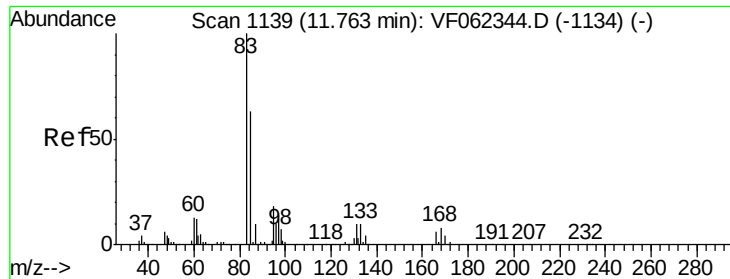
mohammad
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#74
N-ethyl acetate
Concen: 19.280 ug/l
RT: 11.45 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	34.0	26.5	39.7
55	22.6	17.8	26.6
61	25.4	20.2	30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.817 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

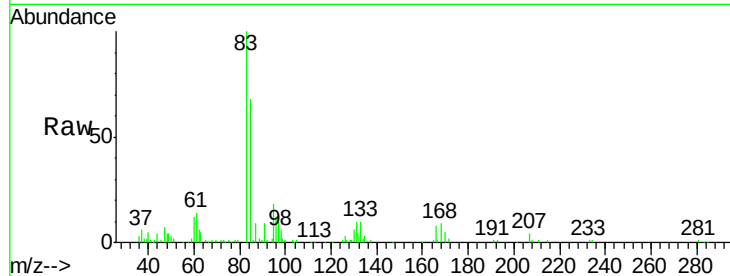
ClientSampleId :

VF0510SBS02

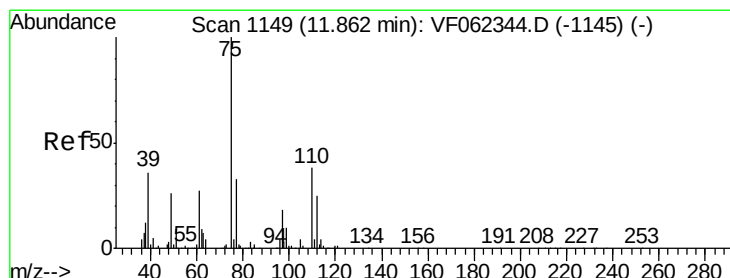
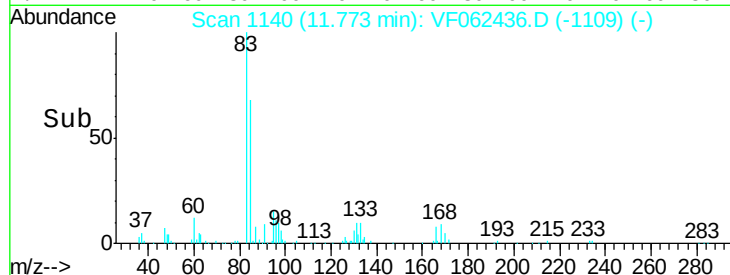
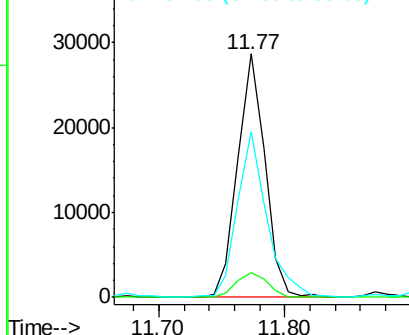
Tgt Ion:	83	Resp:	43255
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	73.3	35.3	105.7

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Abundance Ion 82.90 (82.60 to 83.60): VF0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VF0



#76

1,2,3-Trichloropropane

Concen: 19.864 ug/l

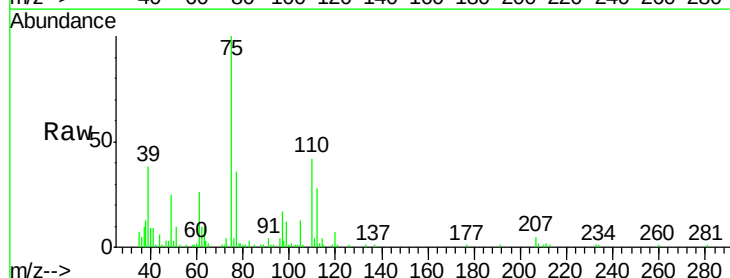
RT: 11.87 min Scan# 1150

Delta R.T. 0.01 min

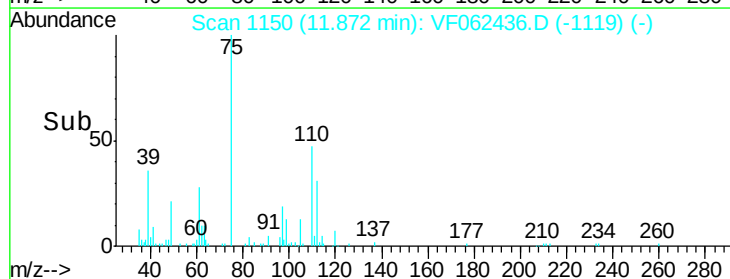
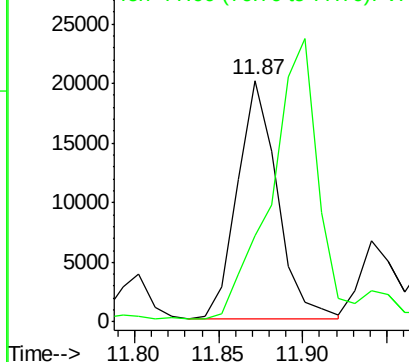
Lab File: VF062436.D

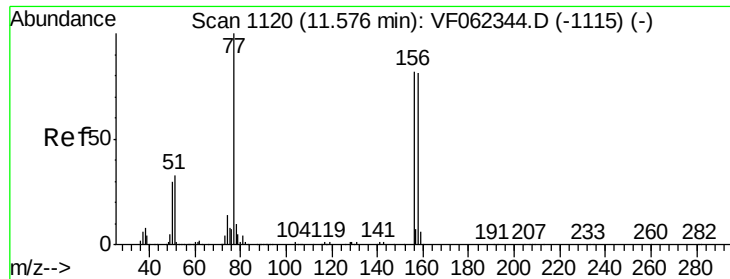
Acq: 10 May 2019 23:30

Tgt Ion:	75	Resp:	33079
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VF0
Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 20.891 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

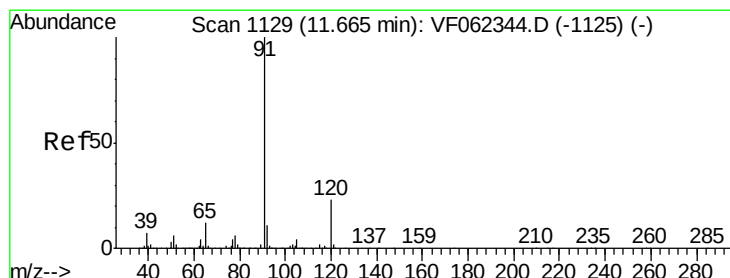
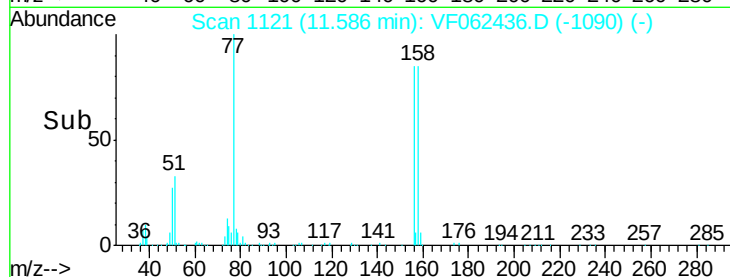
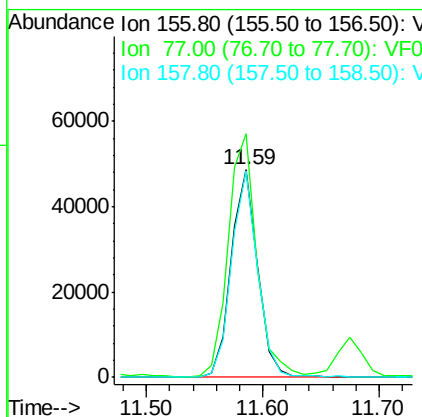
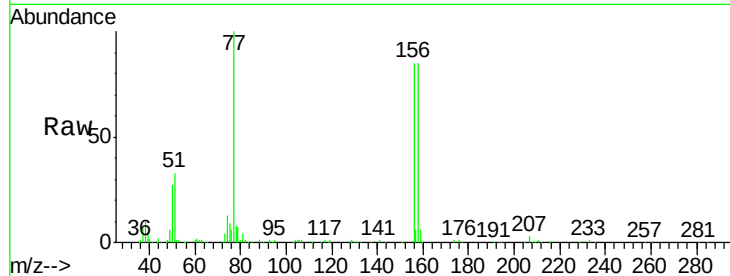
ClientSampleId :

VF0510SBSD02

Tgt Ion:	156	Resp:	76430
Ion Ratio	Lower	Upper	
156	100		
77	127.1	64.8	194.3
158	99.6	49.1	147.3

Manual Integrations
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mohammad
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#78

n-propylbenzene

Concen: 20.830 ug/l

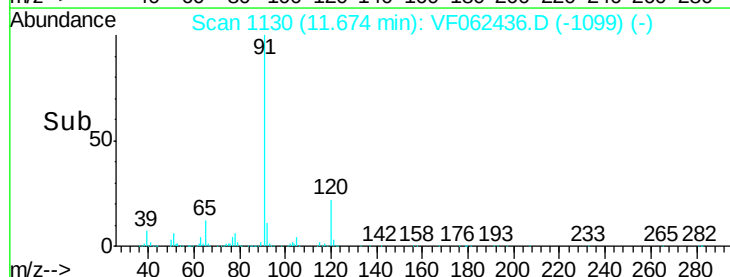
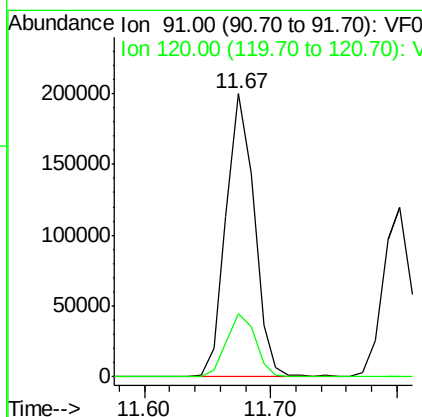
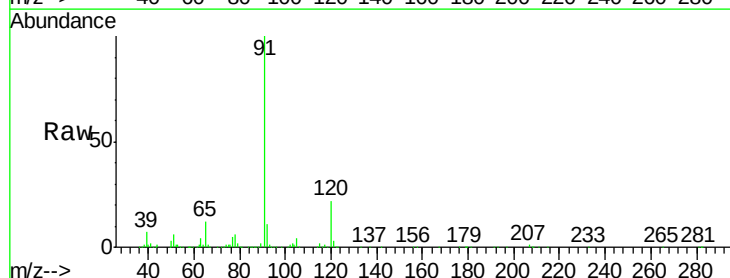
RT: 11.67 min Scan# 1130

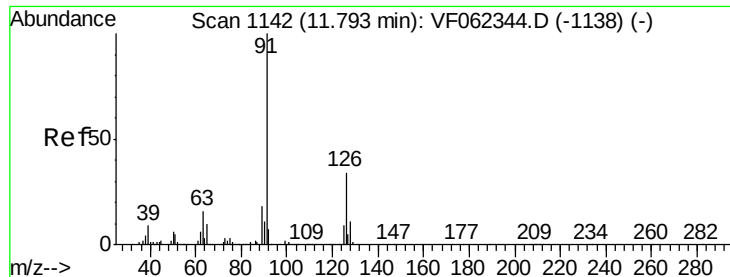
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	91	Resp:	309156
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 20.229 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

ClientSampleId :

VF0510SBSD02

Tgt Ion: 91 Resp: 186692

Ion Ratio Lower Upper

91 100

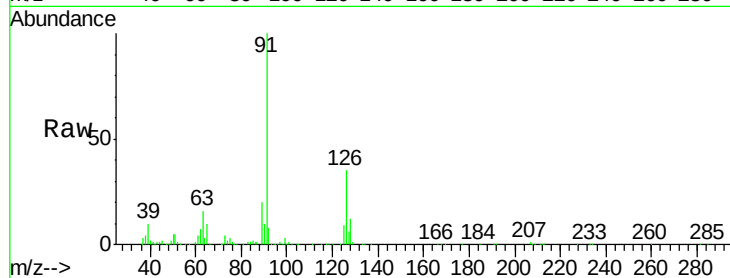
126 35.2 17.8 53.4

Manual Integrations

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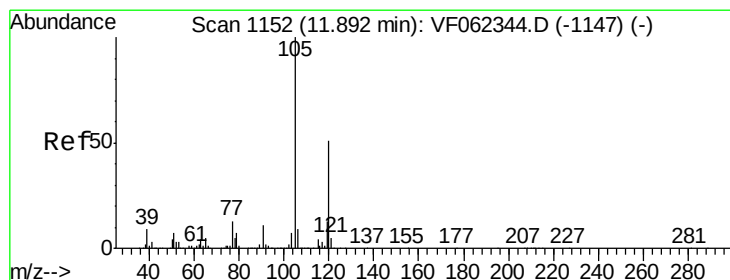
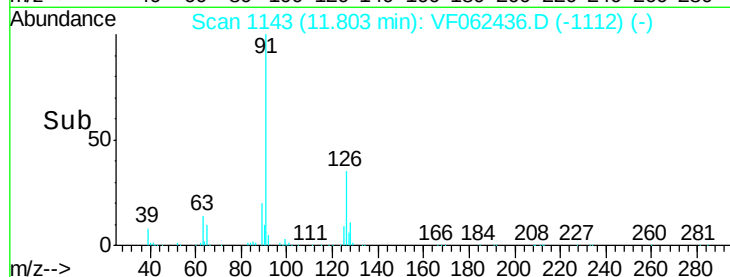
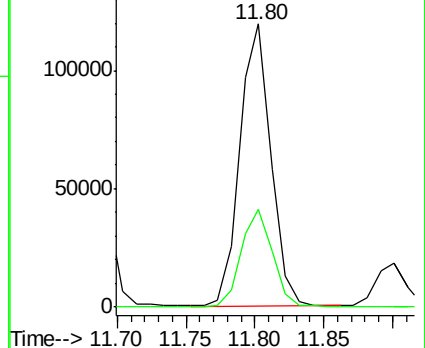
mohammad

5/14/2019 8:35:50 AM



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.261 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062436.D

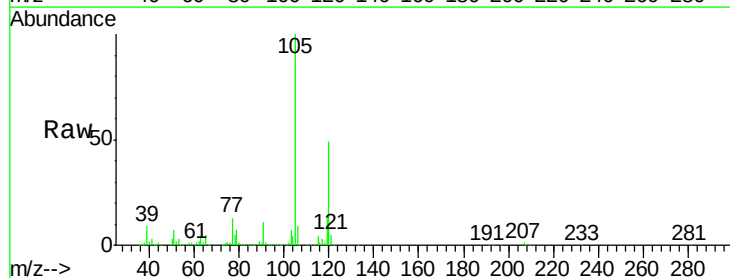
Acq: 10 May 2019 23:30

Tgt Ion: 105 Resp: 259777

Ion Ratio Lower Upper

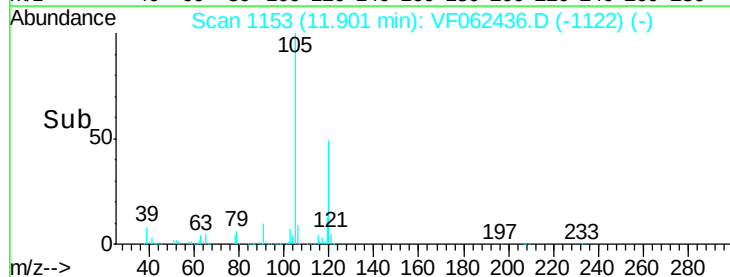
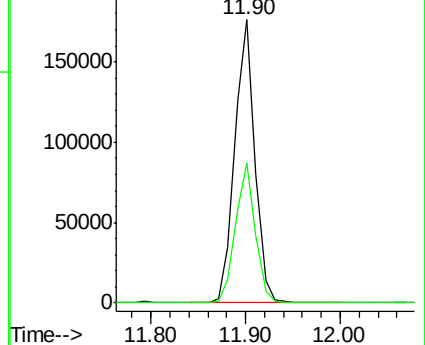
105 100

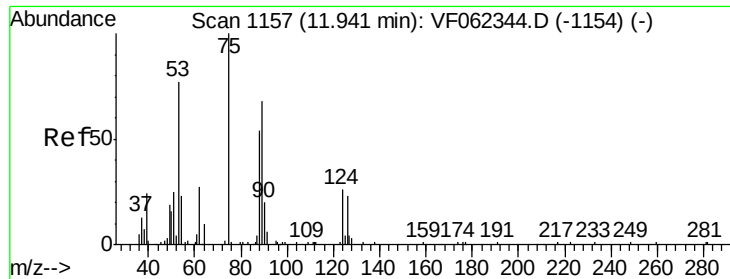
120 48.7 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 13.872 ug/l

RT: 11.94 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

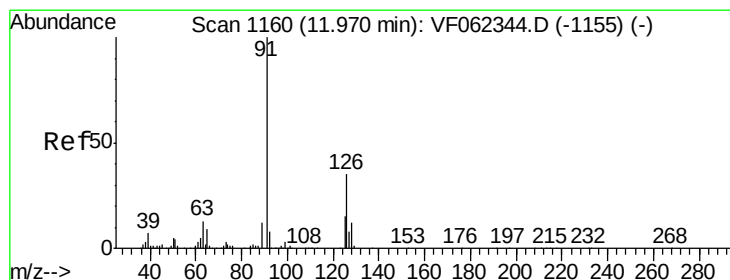
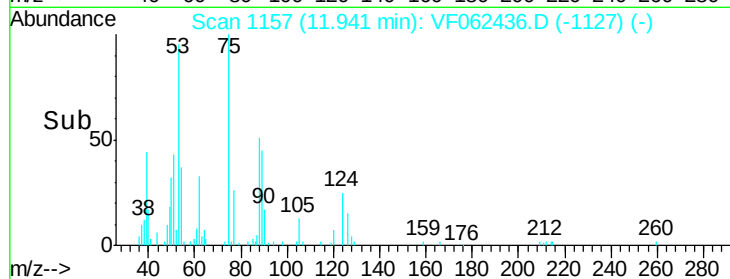
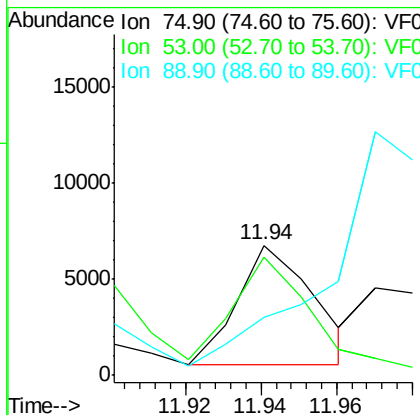
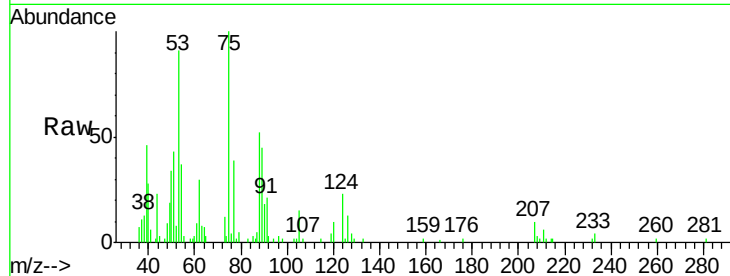
ClientSampleId :

VF0510SBS02

Tgt Ion:	75	Resp:	8683
Ion	Ratio	Lower	Upper
75	100		
53	114.3	71.9	107.9#
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.221 ug/l

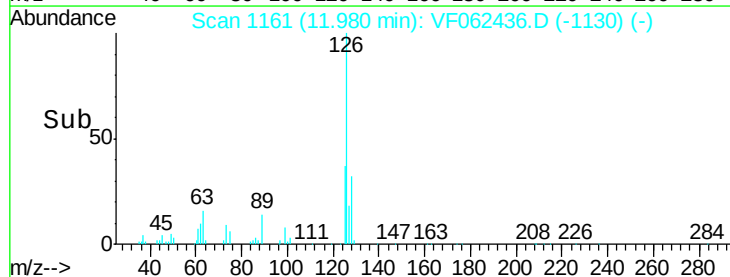
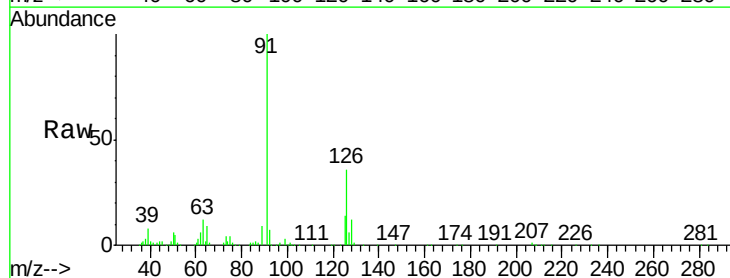
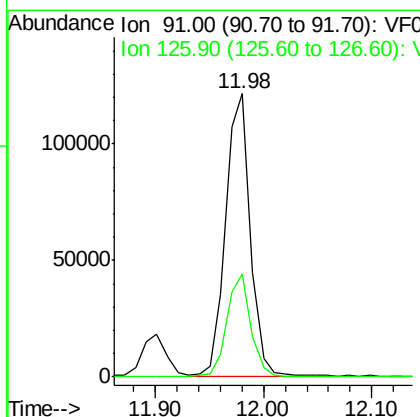
RT: 11.98 min Scan# 1161

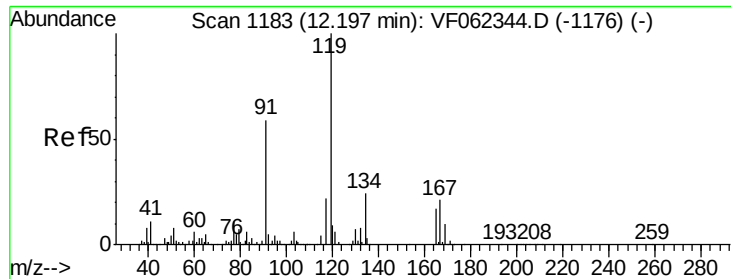
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	91	Resp:	193433
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.7	53.1





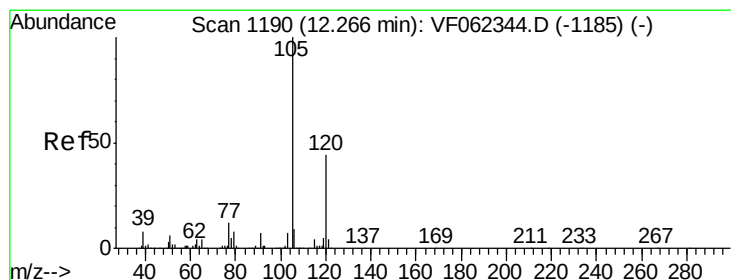
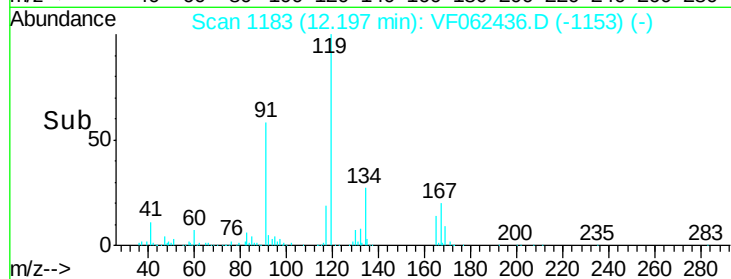
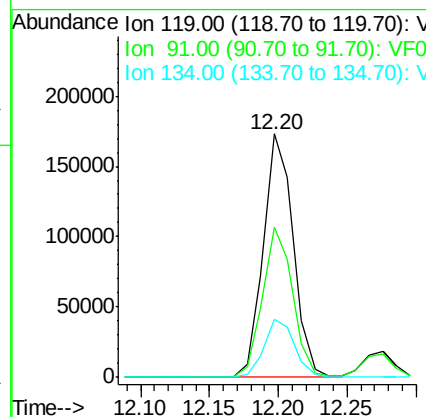
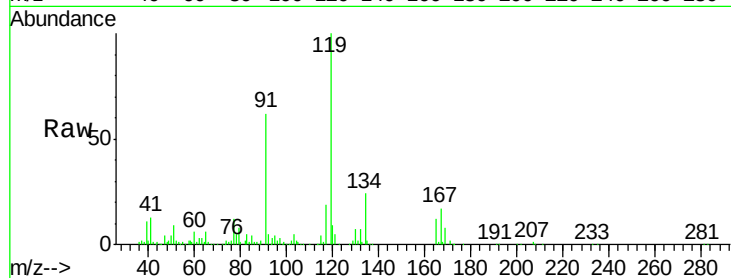
#83
 tert-Butylbenzene
 Concen: 20.513 ug/l
 RT: 12.20 min Scan# 1183
 Delta R.T. -0.00 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD02

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.4	91.3
134	24.2	11.9	35.7

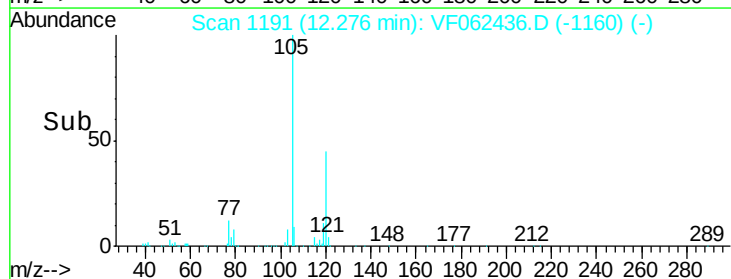
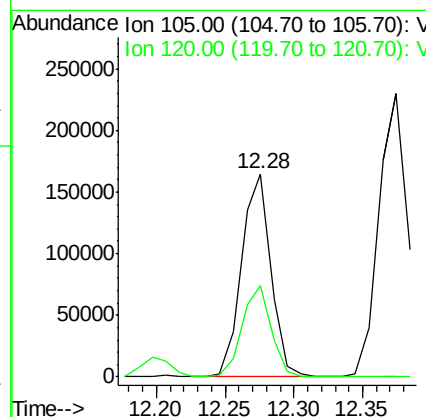
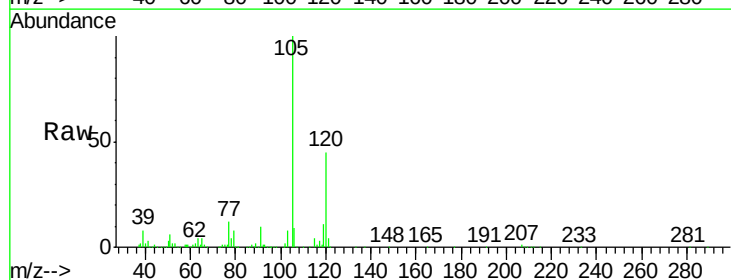
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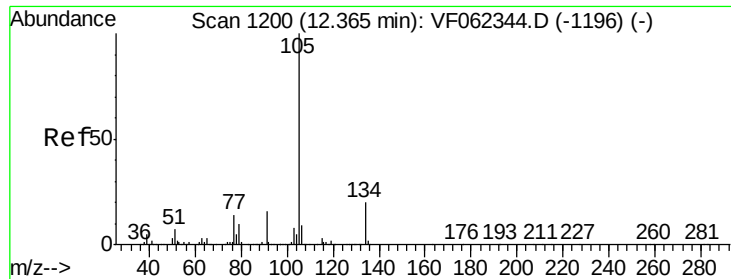
mohammad
 5/14/2019 8:35:50 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.495 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.7





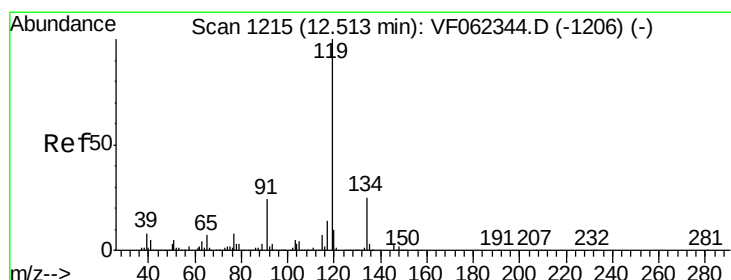
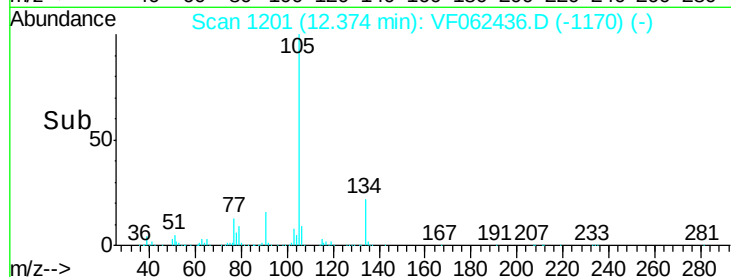
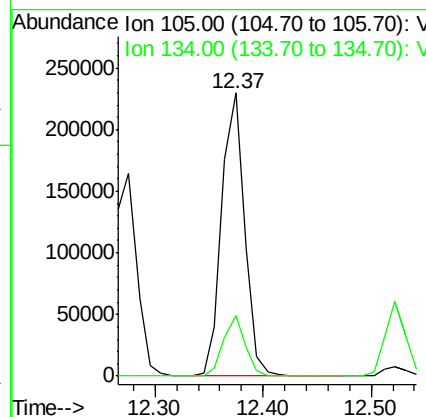
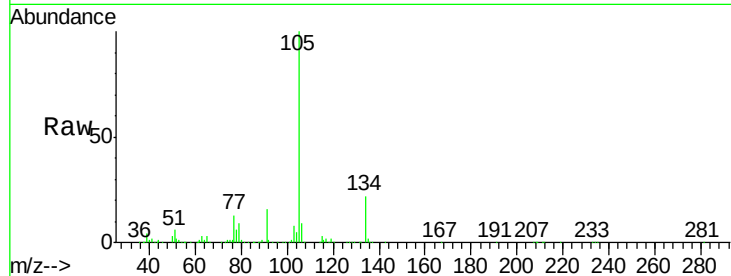
#85
 sec-Butylbenzene
 Concen: 21.659 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	338531		
134	20.4	9.8	29.5	

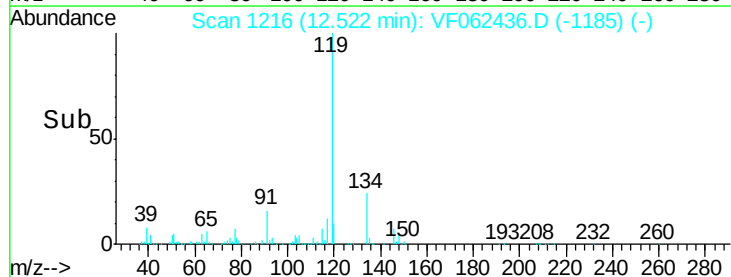
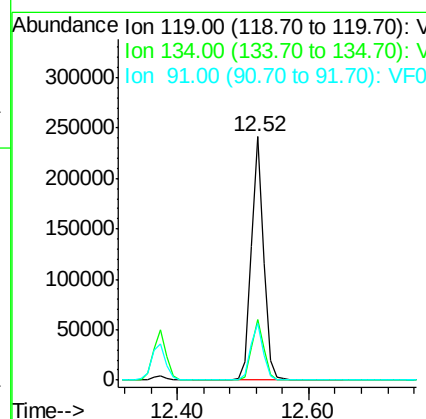
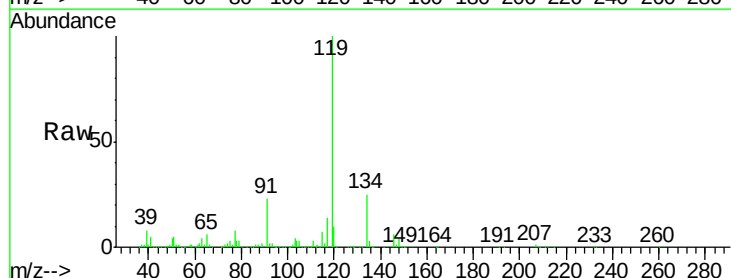
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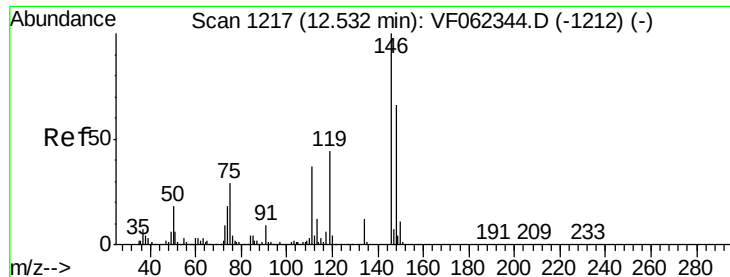
mohammad
 5/14/2019 8:35:50 AM



#86
 p-Isopropyltoluene
 Concen: 21.897 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	317981		
134	25.2	12.9	38.7	
91	23.8	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 22.270 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Instrument :

MSVOA_F

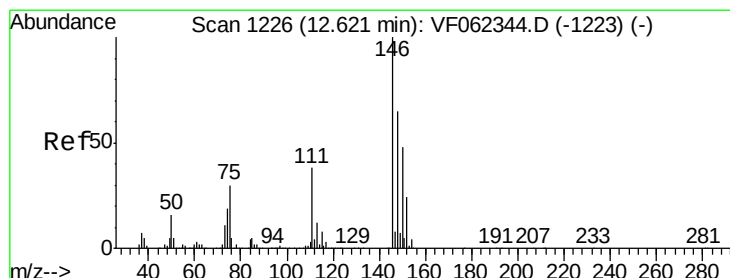
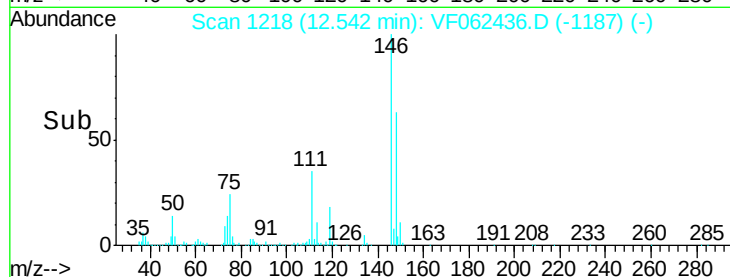
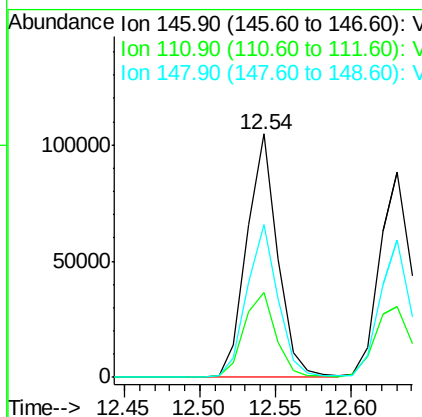
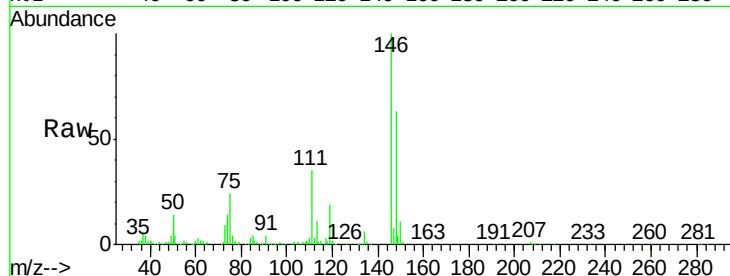
ClientSampleId :

VF0510SBSD02

Tgt Ion:	146	Resp:	148805
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.3	54.8
148	63.9	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.544 ug/l

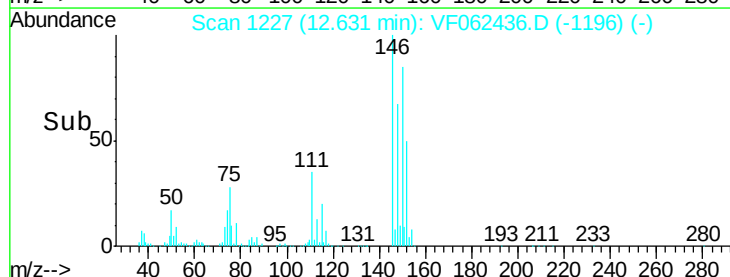
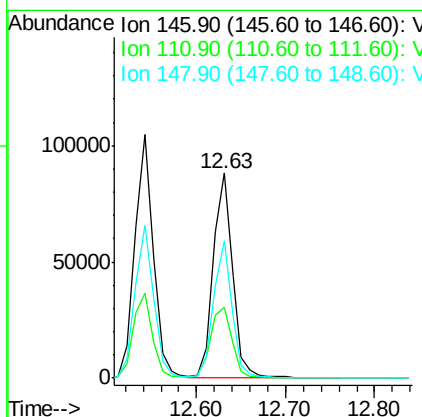
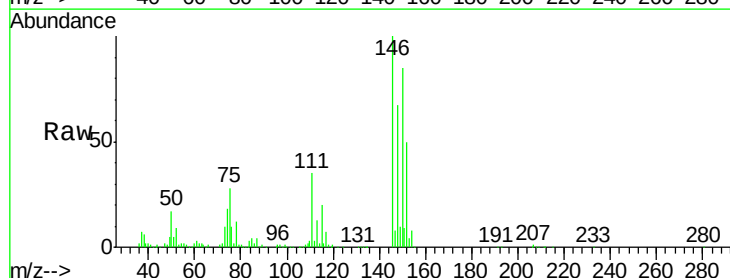
RT: 12.63 min Scan# 1227

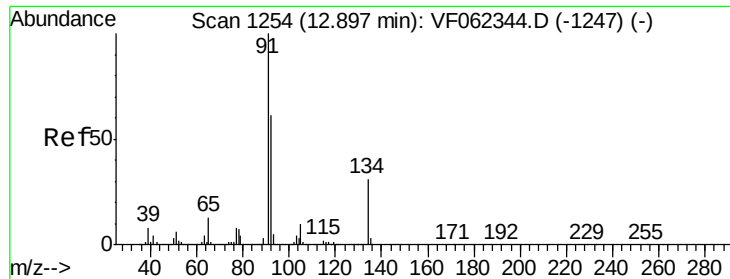
Delta R.T. 0.01 min

Lab File: VF062436.D

Acq: 10 May 2019 23:30

Tgt Ion:	146	Resp:	132489
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.8	56.3
148	65.3	32.2	96.6





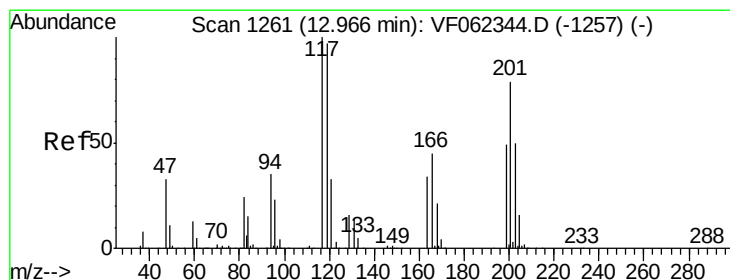
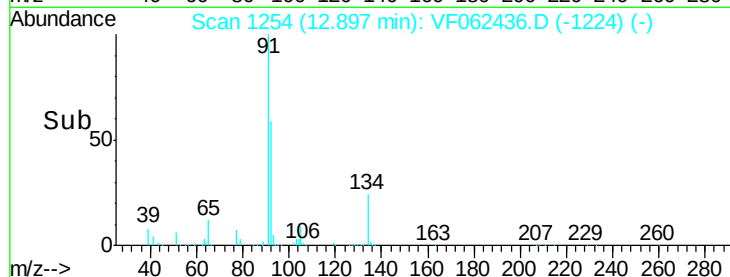
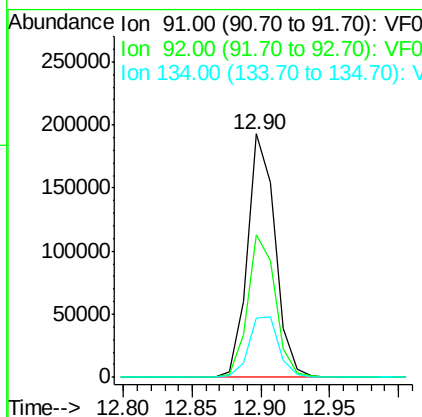
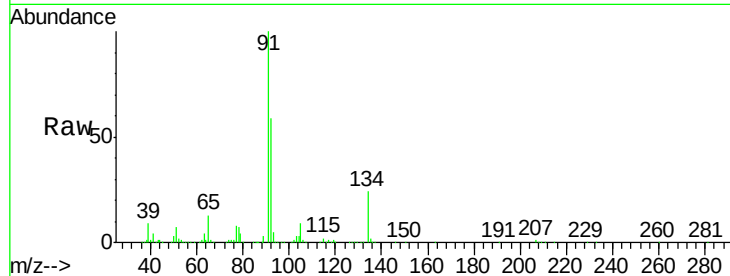
#89
n-Butylbenzene
Concen: 21.045 ug/l
RT: 12.90 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	30.0	90.0
134	27.0	14.1	42.4

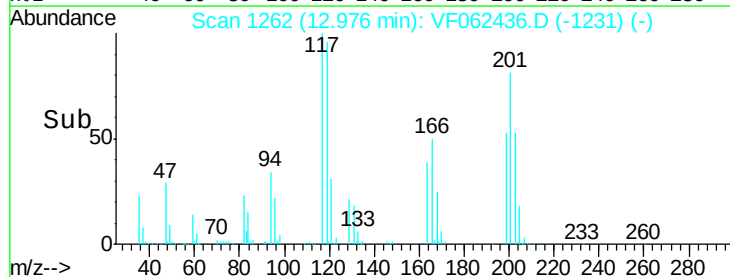
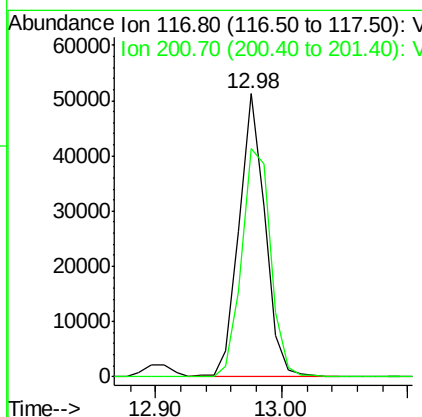
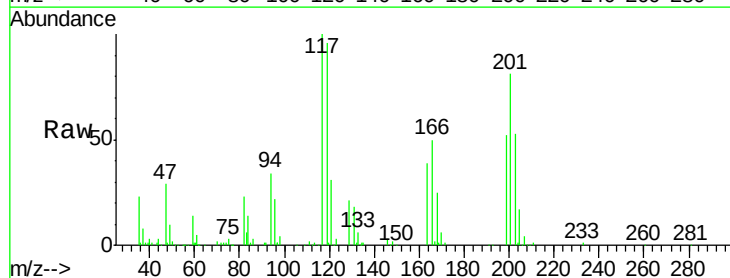
Manual Integrations
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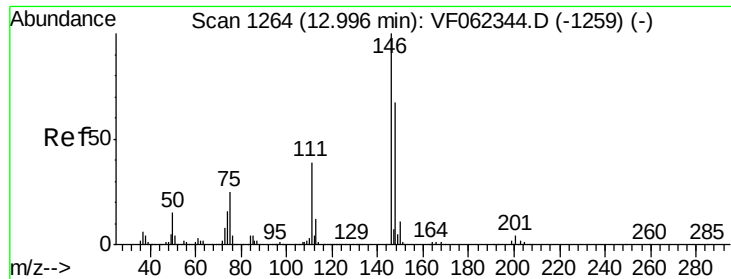
mohammad
5/14/2019 8:35:50 AM



#90
Hexachloroethane
Concen: 20.112 ug/l
RT: 12.98 min Scan# 1262
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.6	46.2	138.5





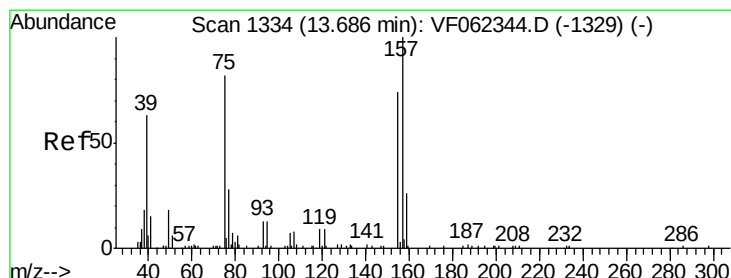
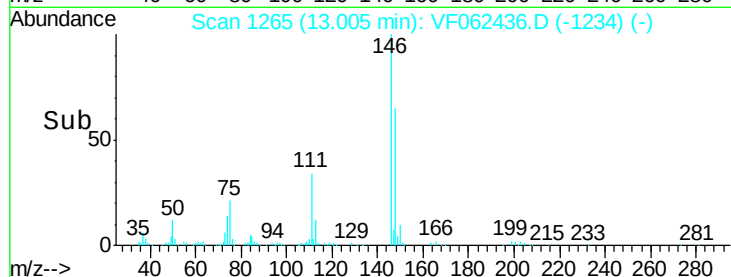
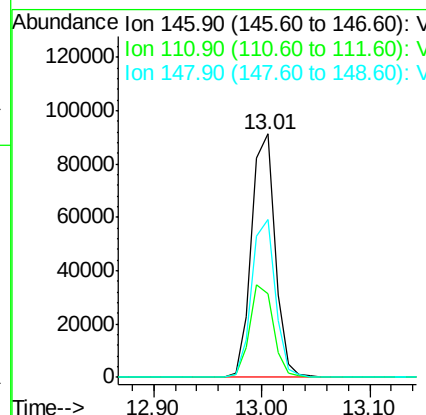
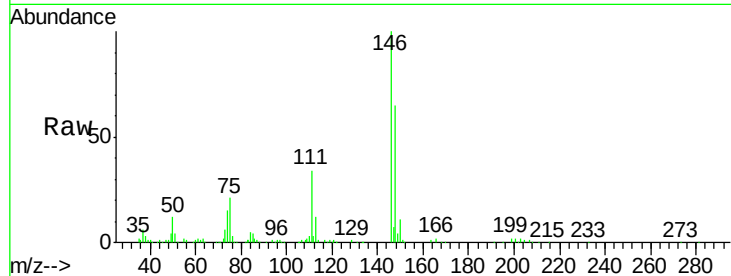
#91
 1,2-Dichlorobenzene
 Concen: 21.633 ug/l
 RT: 13.01 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139908		
111	38.1	20.0	60.0	
148	65.3	33.1	99.5	

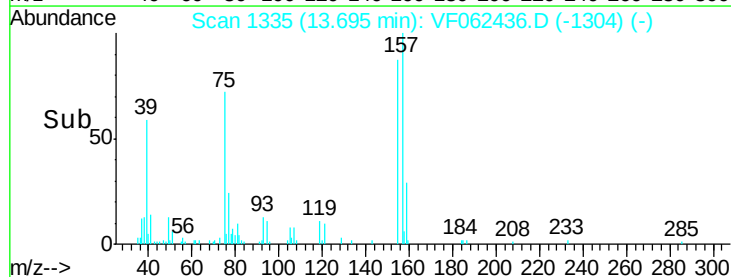
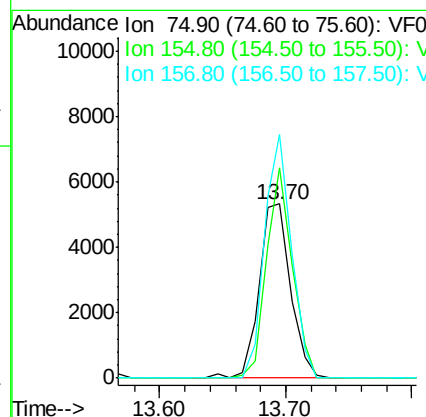
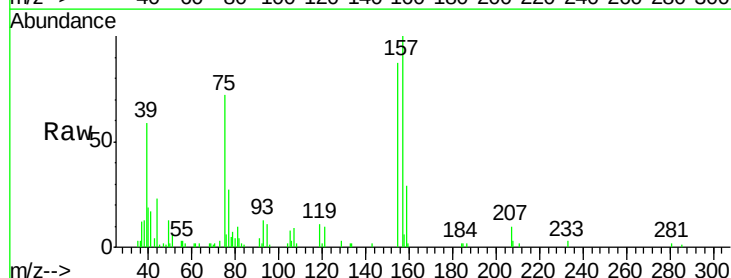
Manual Integrations
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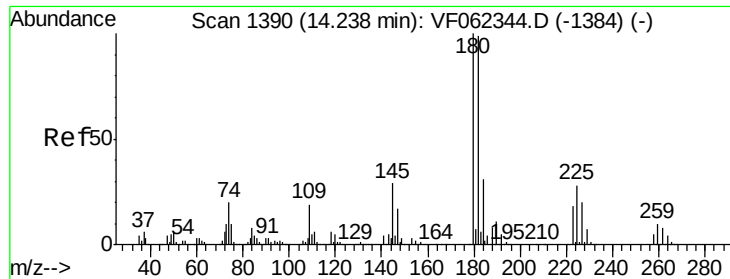
mohammad
 5/14/2019 8:35:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.882 ug/l
 RT: 13.70 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9233		
155	99.9	51.8	155.4	
157	119.6	67.3	201.8	





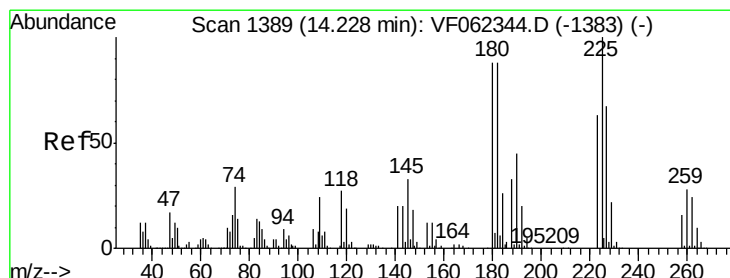
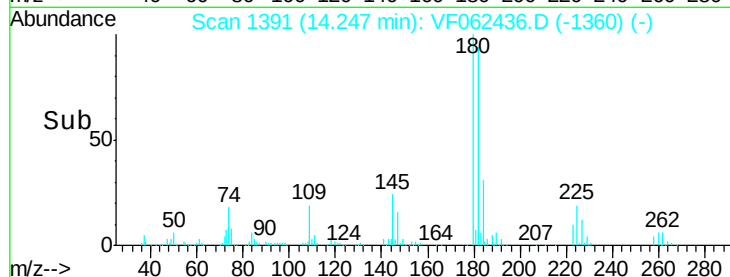
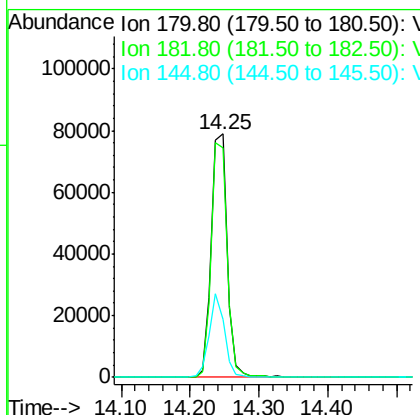
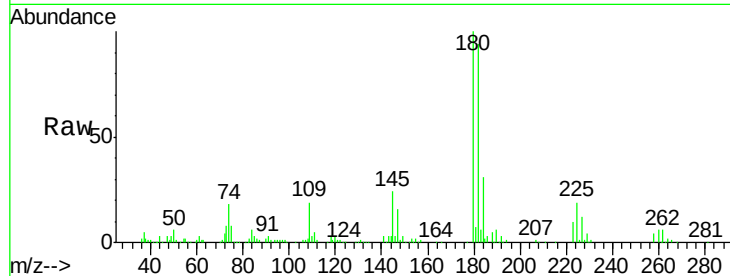
#93
 1,2,4-Trichlorobenzene
 Concen: 21.985 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0510SBSD02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127538		
182	95.5	49.0	147.0	
145	32.4	16.7	50.1	

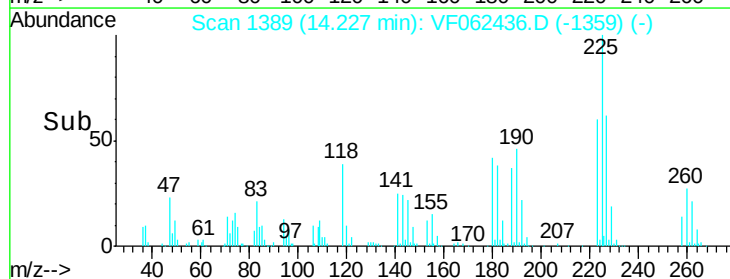
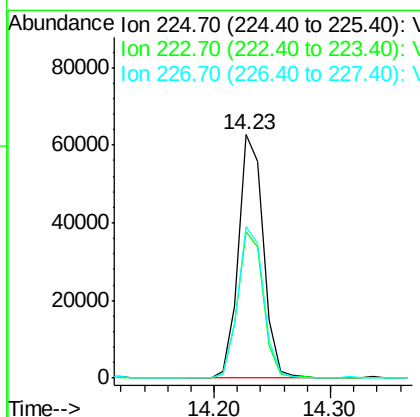
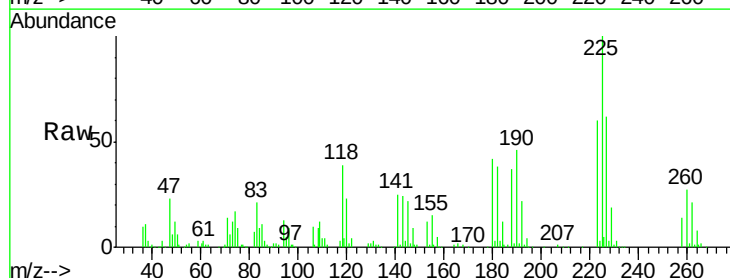
Manual Integrations
 APPROVED

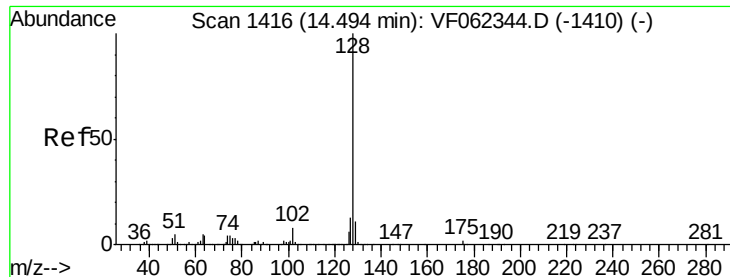
mohammad
 5/14/2019 8:35:50 AM



#94
 Hexachlorobutadiene
 Concen: 21.575 ug/l
 RT: 14.23 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VF062436.D
 Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	93283		
223	61.7	31.9	95.5	
227	64.4	33.1	99.5	





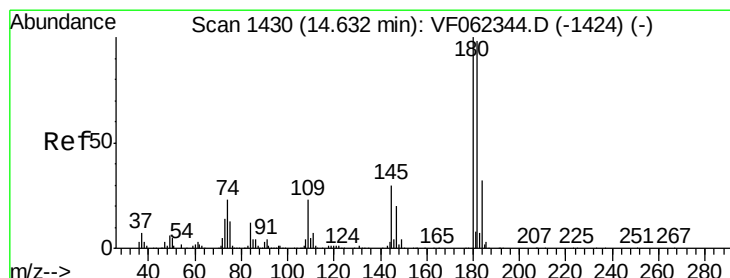
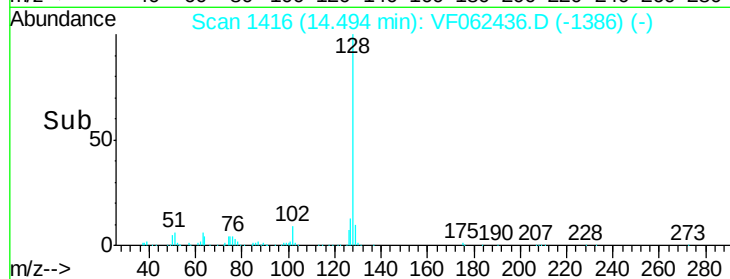
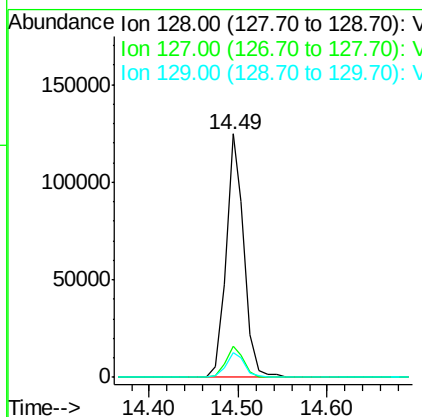
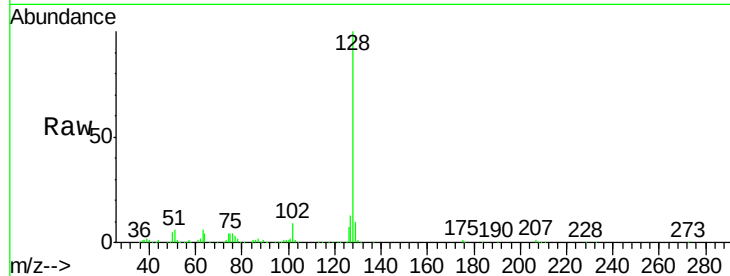
#95
Naphthalene
Concen: 20.235 ug/l
RT: 14.49 min Scan# 1416
Delta R.T. -0.00 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Instrument :
MSVOA_F
ClientSampleId :
VF0510SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	176474		
127	12.8	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.454 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062436.D
Acq: 10 May 2019 23:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114953		
182	99.0	49.4	148.0	
145	28.8	14.8	44.3	

