

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF031919\
 Data File : VF062013.D
 Acq On : 19 Mar 2019 12:50
 Operator : VA/AP
 Sample : VF0319SBS01
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/22/2019 4:54:06 PM

Quant Time: Mar 22 05:19:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F031619S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.83	168	270750	50.00	ug/l	-0.04
34) 1,4-Difluorobenzene	5.56	114	430250	50.00	ug/l	-0.04
63) Chlorobenzene-d5	9.74	117	360757	50.00	ug/l	-0.03
72) 1,4-Dichlorobenzene-d4	12.53	152	197943	50.00	ug/l	-0.02
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.80	65	98732	50.66	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	101.32%	
35) Dibromofluoromethane	4.07	113	138451	47.92	ug/l	-0.04
Spiked Amount 50.000			Recovery	=	95.84%	
50) Toluene-d8	7.52	98	390463	46.23	ug/l	-0.03
Spiked Amount 50.000			Recovery	=	92.46%	
62) 4-Bromofluorobenzene	11.39	95	156899	46.76	ug/l	-0.02
Spiked Amount 50.000			Recovery	=	93.52%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.94	85	69879	24.211	ug/l	98
3) Chloromethane	1.07	50	66646	22.722	ug/l #	88
4) Vinyl Chloride	1.12	62	68132	24.017	ug/l #	85
5) Bromomethane	1.30	94	44862	22.512	ug/l	97
6) Chloroethane	1.36	64	31861	21.756	ug/l	95
7) Trichlorofluoromethane	1.47	101	84095	22.376	ug/l	90
8) Diethyl Ether	1.61	74	15715	18.810	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.80	101	58471	22.082	ug/l	96
10) Methyl Iodide	1.87	142	106293m	22.930	ug/l	
11) Tert butyl alcohol	2.54	59	12244	102.667	ug/l #	80
12) 1,1-Dichloroethene	1.76	96	49847	21.814	ug/l	96
13) Acrolein	1.97	56	11568	89.853	ug/l #	70
14) Allyl chloride	2.07	41	62651	21.478	ug/l	99
15) Acrylonitrile	2.91	53	37933	104.596	ug/l	92
16) Acetone	2.21	43	50711	115.872	ug/l	97
17) Carbon Disulfide	1.79	76	146927	22.243	ug/l	97
18) Methyl Acetate	2.32	43	24327m	24.529	ug/l	
19) Methyl tert-butyl Ether	2.40	73	84121	20.316	ug/l	100
20) Methylene Chloride	2.15	84	53681m	23.509	ug/l	
21) trans-1,2-Dichloroethene	2.28	96	51430	21.567	ug/l	94
22) Diisopropyl ether	2.77	45	150300	21.422	ug/l	97
23) Vinyl Acetate	3.15	43	317507	114.794	ug/l	97
24) 1,1-Dichloroethane	2.84	63	91326	22.386	ug/l	99
25) 2-Butanone	4.29	43	92755	107.015	ug/l	95
26) 2,2-Dichloropropane	3.56	77	41549	21.591	ug/l	96
27) cis-1,2-Dichloroethene	3.44	96	65533	21.803	ug/l	97
28) Bromochloromethane	3.68	49	35661	21.066	ug/l	87
29) Tetrahydrofuran	4.03	42	36228	96.110	ug/l	97
30) Chloroform	3.81	83	101639	21.988	ug/l	94
31) Cyclohexane	3.65	56	86899	21.562	ug/l #	96
32) 1,1,1-Trichloroethane	4.05	97	62856	20.476	ug/l	94
36) 1,1-Dichloropropene	4.24	75	82896	21.335	ug/l	95
37) Ethyl Acetate	4.06	43	31981	18.332	ug/l #	78
38) Carbon Tetrachloride	3.94	117	64198	22.609	ug/l	92

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 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 03:22:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.41	83	90755	19.897	ug/l	96
40) Benzene	4.59	78	208470	20.249	ug/l	98
41) Methacrylonitrile	4.71	41	19021	20.407	ug/l #	87
42) 1,2-Dichloroethane	4.90	62	53988	21.065	ug/l	96
43) Isopropyl Acetate	6.92	43	38520	18.662	ug/l #	98
44) Trichloroethene	5.46	130	66397	21.053	ug/l	98
45) 1,2-Dichloropropane	6.20	63	52171	21.413	ug/l	97
46) Dibromomethane	6.04	93	30529	21.063	ug/l	95
47) Bromodichloromethane	6.35	83	70923	20.755	ug/l #	97
48) Methyl methacrylate	6.68	41	25691	19.258	ug/l #	86
49) 1,4-Dioxane	6.68	88	4915	414.206	ug/l #	78
51) 4-Methyl-2-Pentanone	8.23	43	148374	101.228	ug/l	99
52) Toluene	7.59	92	131582	20.918	ug/l	99
53) t-1,3-Dichloropropene	8.25	75	58733	20.359	ug/l	96
54) cis-1,3-Dichloropropene	7.27	75	78075	20.742	ug/l	94
55) 1,1,2-Trichloroethane	8.46	97	35743	20.359	ug/l	97
56) Ethyl methacrylate	8.60	69	38932	19.507	ug/l	97
57) 1,3-Dichloropropane	8.82	76	59442	20.297	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.27	63	33308	92.142	ug/l	95
59) 2-Hexanone	9.46	43	112682	106.227	ug/l	99
60) Dibromochloromethane	8.69	129	52071	21.364	ug/l	94
61) 1,2-Dibromoethane	8.96	107	38997	20.708	ug/l	95
64) Tetrachloroethene	8.12	164	56526	21.556	ug/l	96
65) Chlorobenzene	9.77	112	141888	21.125	ug/l	97
66) 1,1,1,2-Tetrachloroethane	9.90	131	58407	22.434	ug/l	93
67) Ethyl Benzene	9.87	91	244644	21.273	ug/l	97
68) m/p-Xylenes	10.11	106	192895	44.596	ug/l	93
69) o-Xylene	10.69	106	99058	21.403	ug/l	96
70) Styrene	10.77	104	139533	21.761	ug/l	96
71) Bromoform	10.75	173	28760	21.839	ug/l	97
73) Isopropylbenzene	11.10	105	293104	21.433	ug/l	96
74) N-amyl acetate	11.35	43	65388	20.868	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.67	83	47838	21.193	ug/l	94
76) 1,2,3-Trichloropropane	11.77	75	31411	19.901	ug/l	96
77) Bromobenzene	11.48	156	66962	21.144	ug/l	98
78) n-propylbenzene	11.58	91	328766	20.908	ug/l	99
79) 2-Chlorotoluene	11.70	91	184850	20.827	ug/l	99
80) 1,3,5-Trimethylbenzene	11.80	105	229196	20.748	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.85	75	15947m	22.838	ug/l	
82) 4-Chlorotoluene	11.88	91	185381	20.654	ug/l	99
83) tert-Butylbenzene	12.11	119	251941	21.808	ug/l	99
84) 1,2,4-Trimethylbenzene	12.19	105	228660	20.666	ug/l	97
85) sec-Butylbenzene	12.29	105	329877	21.134	ug/l	100
86) p-Isopropyltoluene	12.44	119	284334	21.831	ug/l	99
87) 1,3-Dichlorobenzene	12.45	146	133164	21.394	ug/l	98
88) 1,4-Dichlorobenzene	12.55	146	125282	20.912	ug/l	96
89) n-Butylbenzene	12.83	91	264670	21.626	ug/l	96
90) Hexachloroethane	12.90	117	64440	21.680	ug/l	90
91) 1,2-Dichlorobenzene	12.93	146	123305	21.389	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.63	75	6363	17.567	ug/l	91

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ClientSampleId :
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Quant Title : SW846 8260
QLast Update : Fri Mar 22 03:22:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	88018	21.926	ug/l	100
94) Hexachlorobutadiene	14.17	225	55409	20.791	ug/l	97
95) Naphthalene	14.43	128	144649	20.034	ug/l	100
96) 1,2,3-Trichlorobenzene	14.58	180	80599	21.823	ug/l	96

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

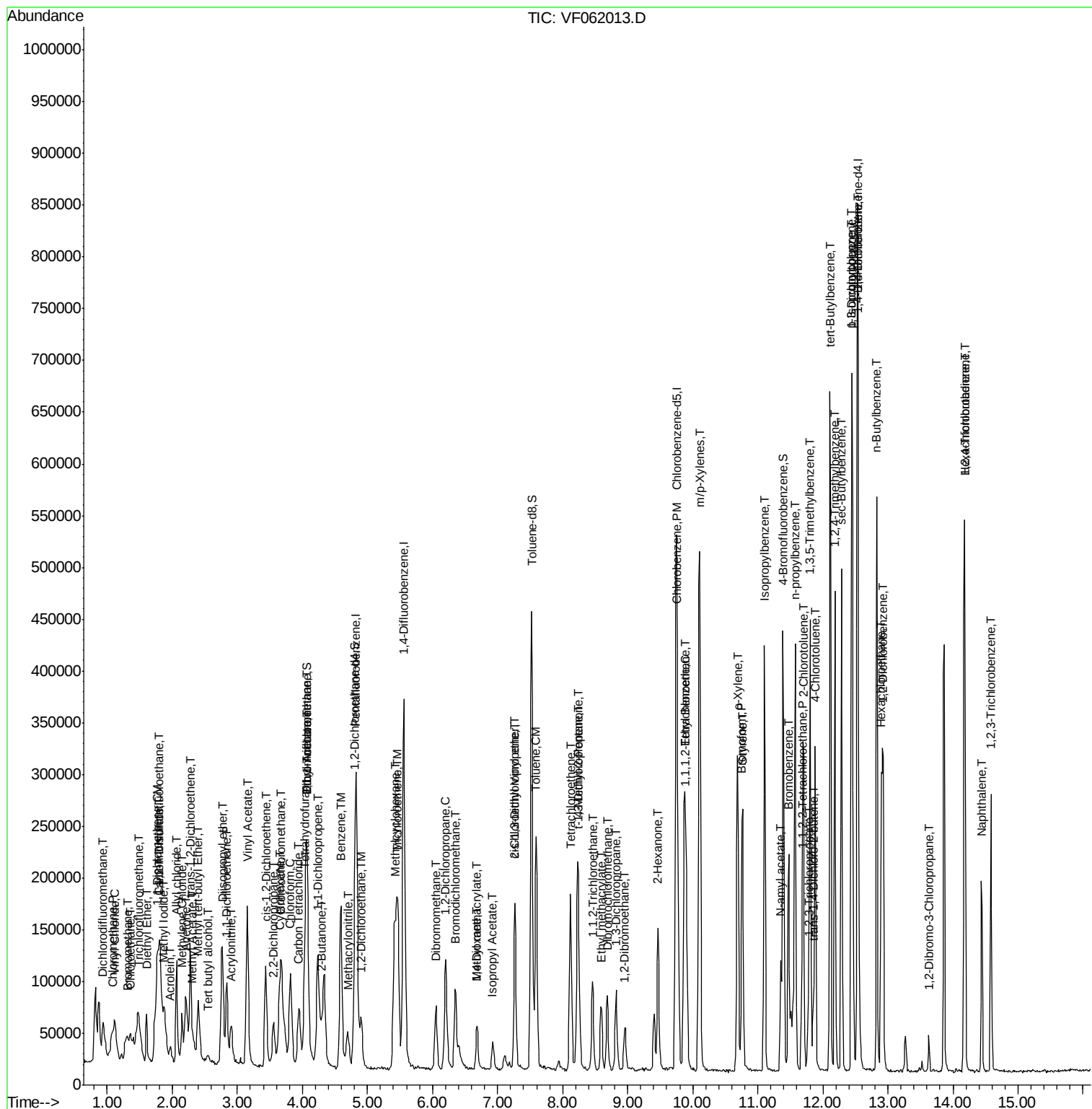
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF031919\
Data File : VF062013.D
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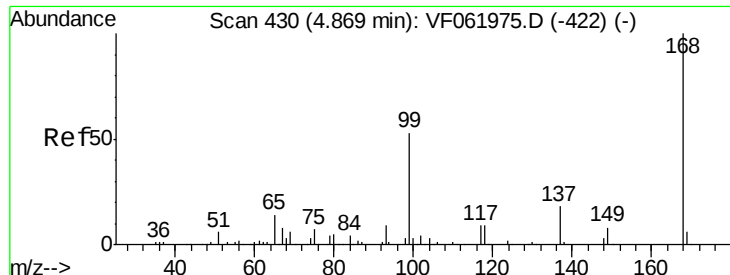
Instrument :
MSVOA_F
Client Sample Id :
VF0319SBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.83 min Scan# 426

Delta R.T. -0.04 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion:168 Resp: 270750

Ion Ratio Lower Upper

168 100

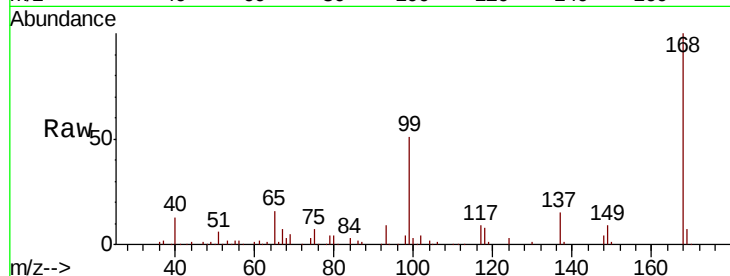
99 51.1 42.4 63.6

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.83

80000

60000

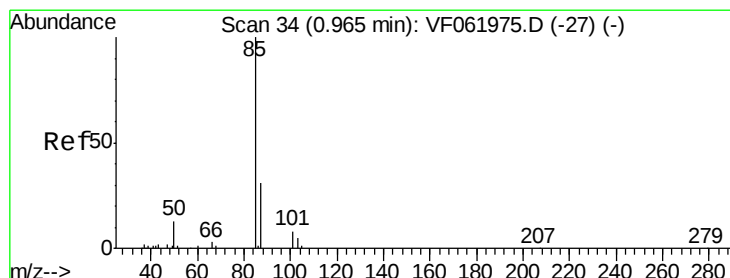
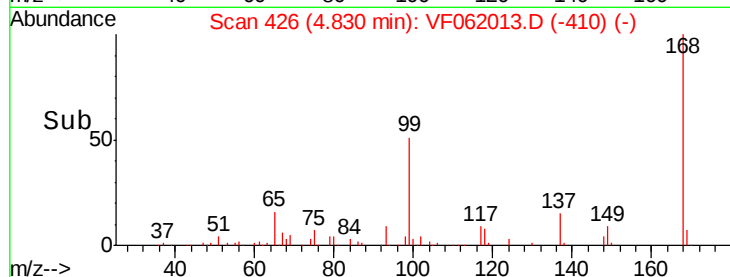
40000

20000

0

4.70 4.80 4.90 5.00

Time-->



#2

Dichlorodifluoromethane

Concen: 24.211 ug/l

RT: 0.94 min Scan# 31

Delta R.T. -0.03 min

Lab File: VF062013.D

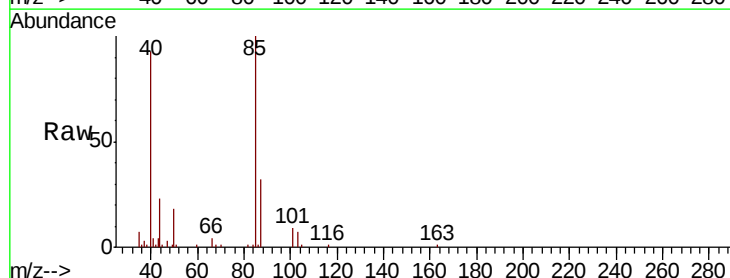
Acq: 19 Mar 2019 12:50

Tgt Ion: 85 Resp: 69879

Ion Ratio Lower Upper

85 100

87 32.2 15.4 46.2



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.94

20000

15000

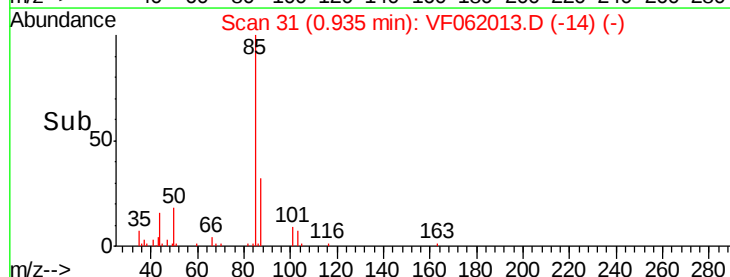
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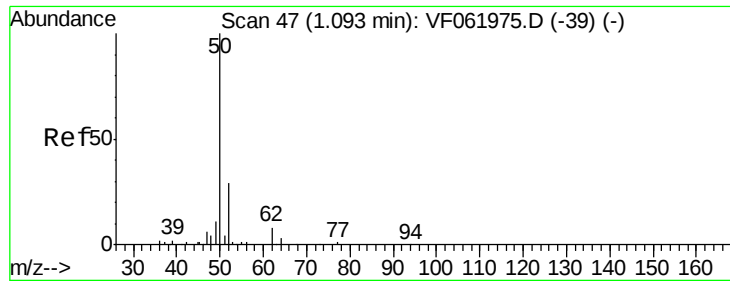
5000

0

0.80 0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 22.722 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 50 Resp: 66646

Ion Ratio Lower Upper

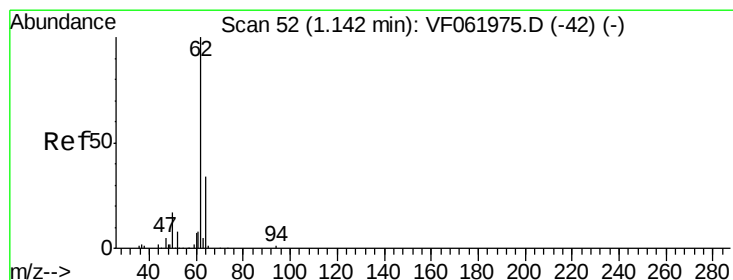
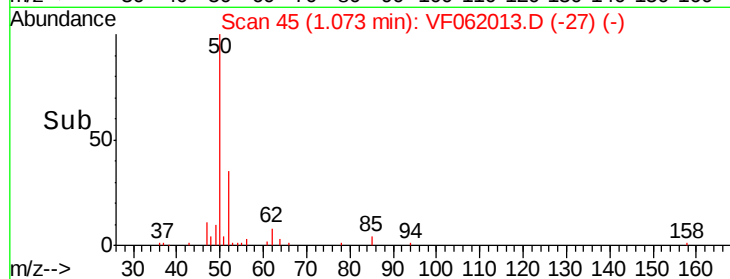
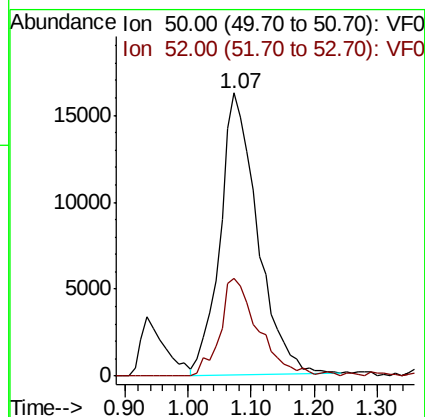
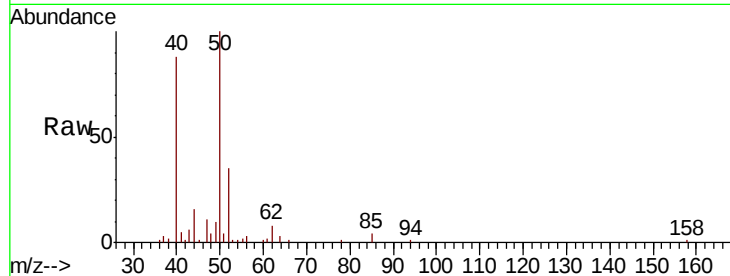
50 100

52 34.7 22.6 34.0#

Manual Integrations
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3/22/2019 4:54:06 PM



#4

Vinyl Chloride

Concen: 24.017 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.02 min

Lab File: VF062013.D

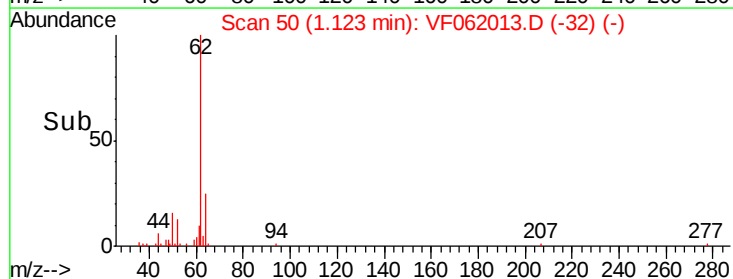
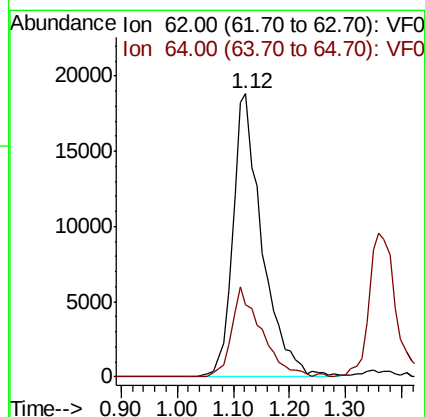
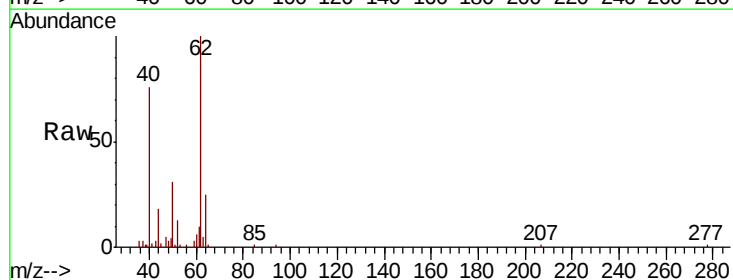
Acq: 19 Mar 2019 12:50

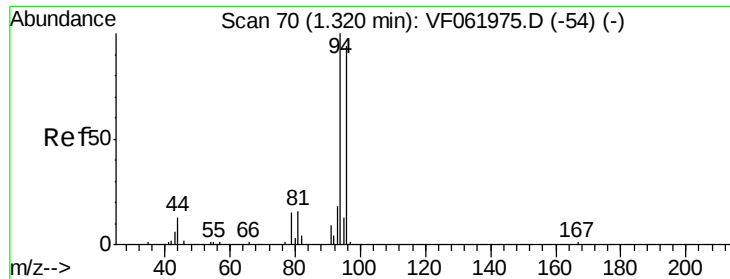
Tgt Ion: 62 Resp: 68132

Ion Ratio Lower Upper

62 100

64 25.4 27.4 41.2#





#5

Bromomethane

Concen: 22.512 ug/l

RT: 1.30 min Scan# 68

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 94 Resp: 44862

Ion Ratio Lower Upper

94 100

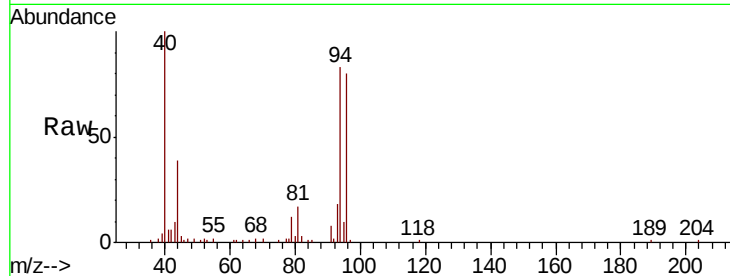
96 97.1 75.0 112.6

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

10000

8000

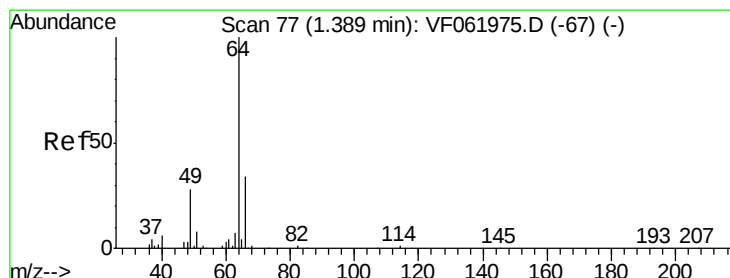
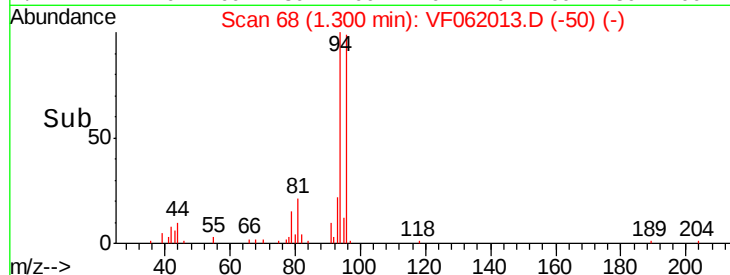
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 21.756 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF062013.D

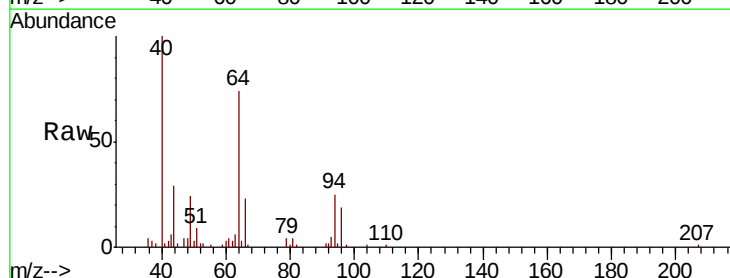
Acq: 19 Mar 2019 12:50

Tgt Ion: 64 Resp: 31861

Ion Ratio Lower Upper

64 100

66 31.5 27.6 41.4



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

10000

8000

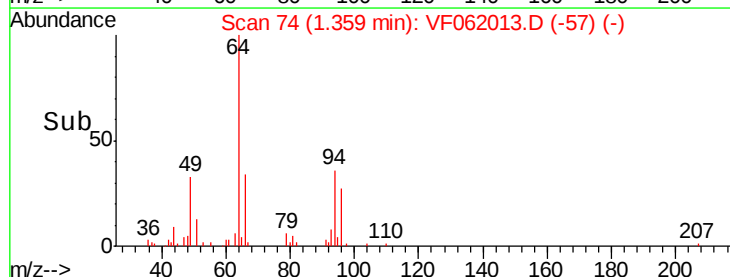
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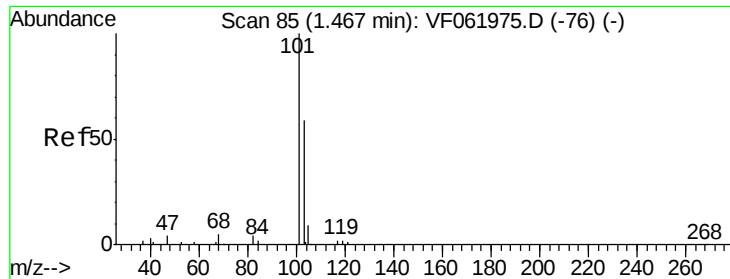
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2000

0

Time-->





#7

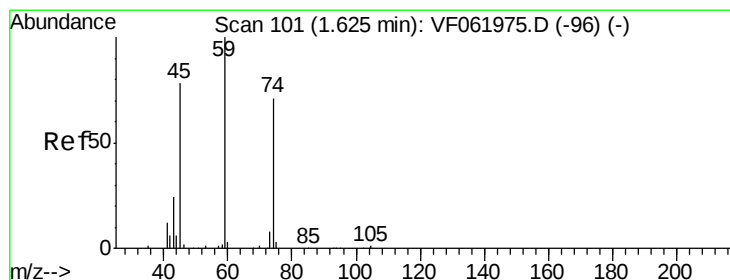
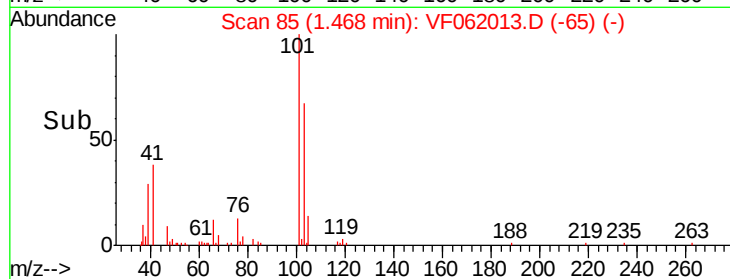
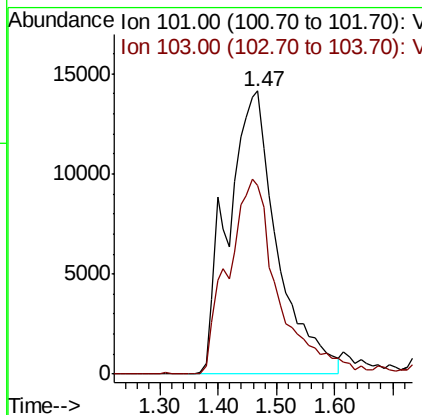
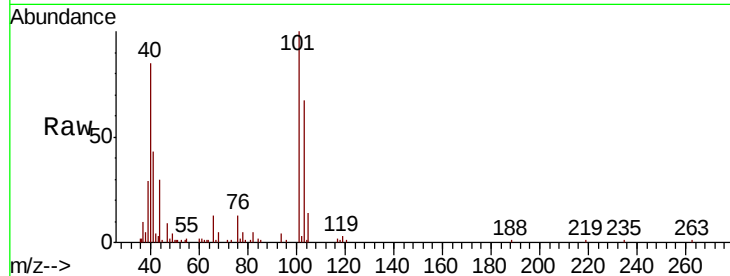
Trichlorofluoromethane
Concen: 22.376 ug/l
RT: 1.47 min Scan# 85
Delta R.T. 0.00 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.6	47.3	70.9

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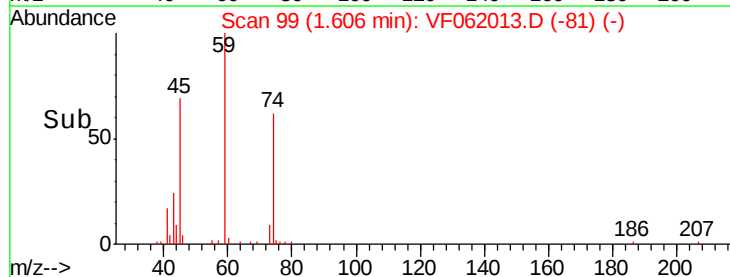
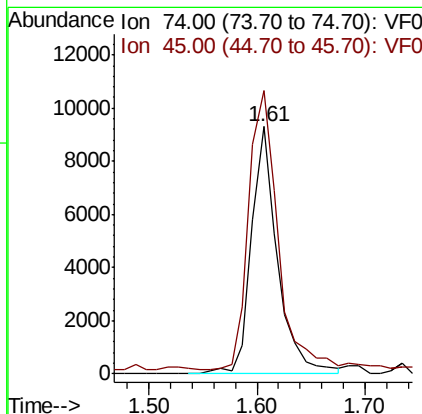
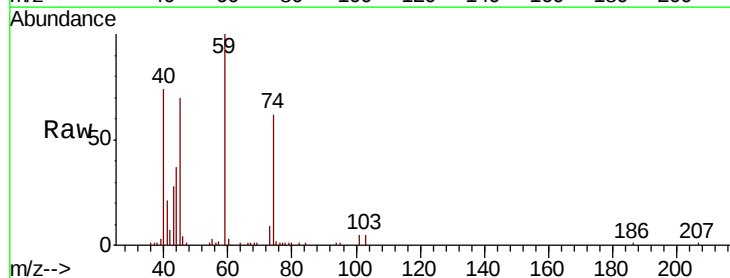
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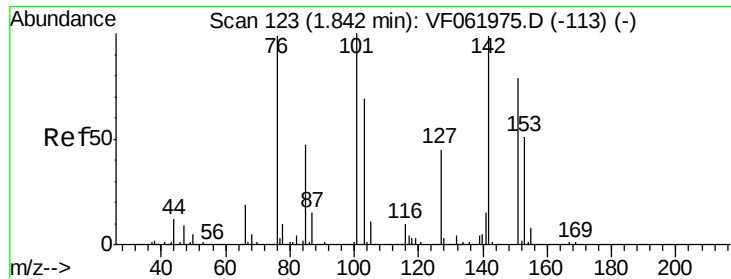


#8

Diethyl Ether
Concen: 18.810 ug/l
RT: 1.61 min Scan# 99
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.4	56.3	168.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.082 ug/l

RT: 1.80 min Scan# 119

Delta R.T. -0.04 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

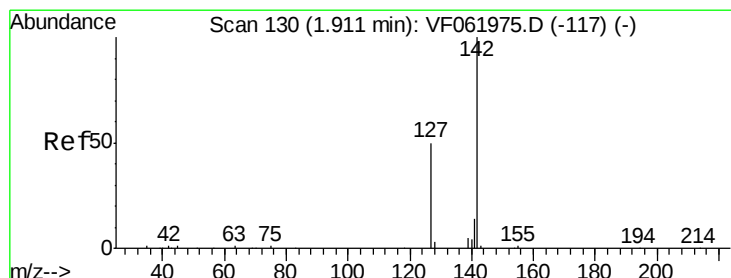
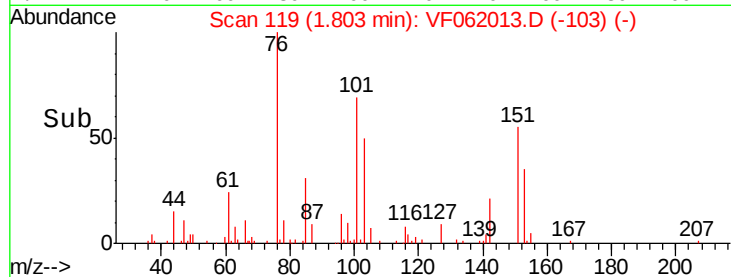
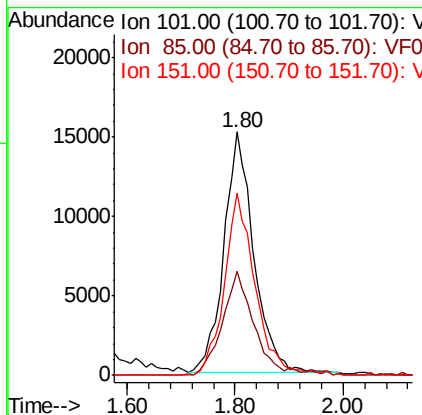
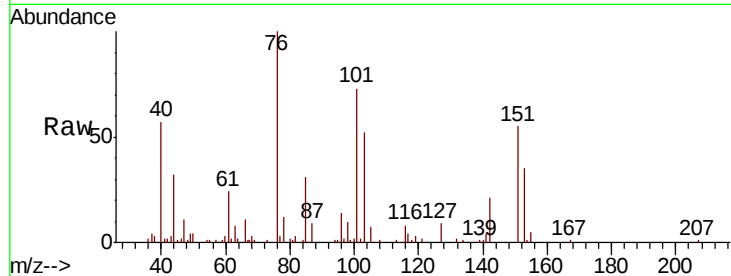
ClientSampleId :

VF0319SBS01

Tot Ion:	101	Resp:	58471
Ion Ratio	Lower	Upper	
101	100		
85	42.7	36.8	55.2
151	74.9	62.2	93.2

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3/22/2019 4:54:06 PM



#10

Methyl Iodide

Concen: 22.930 ug/l m

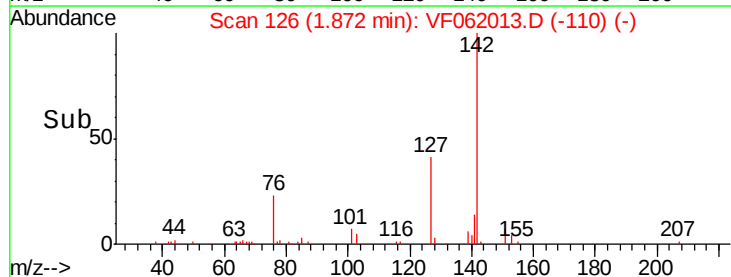
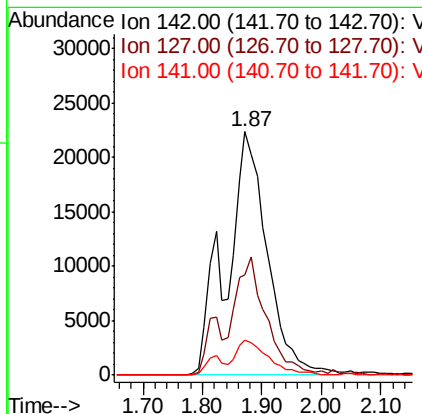
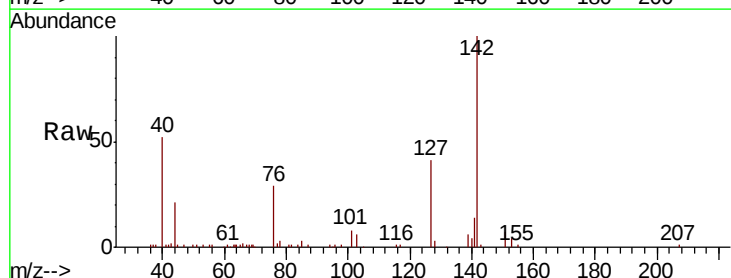
RT: 1.87 min Scan# 126

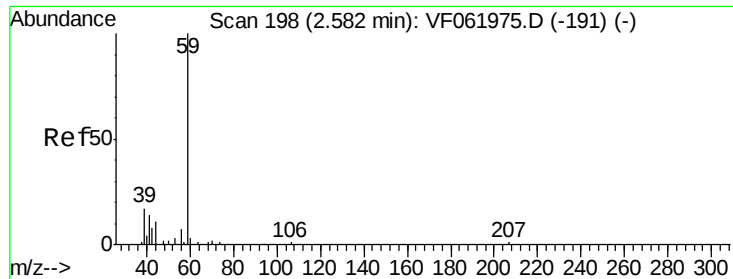
Delta R.T. -0.04 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	142	Resp:	106293
Ion Ratio	Lower	Upper	
142	100		
127	41.4	39.7	59.5
141	14.3	10.8	16.2





#11

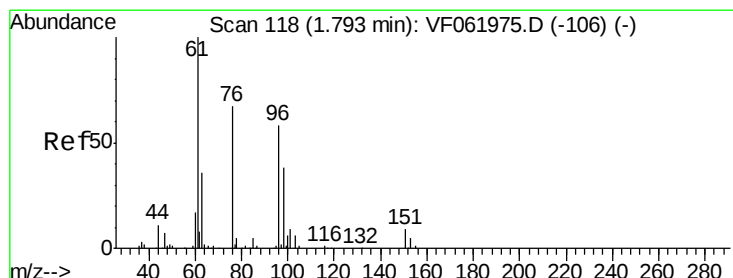
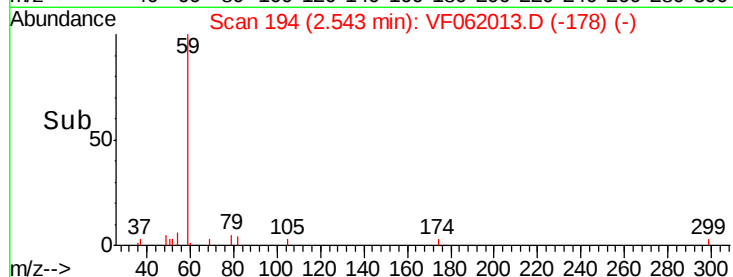
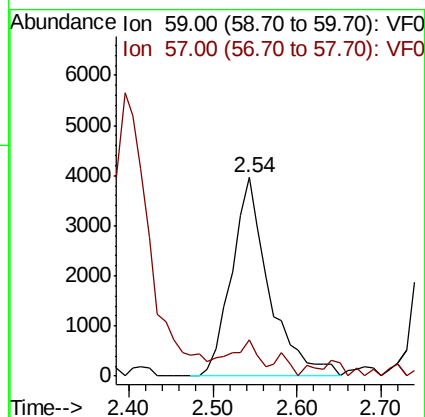
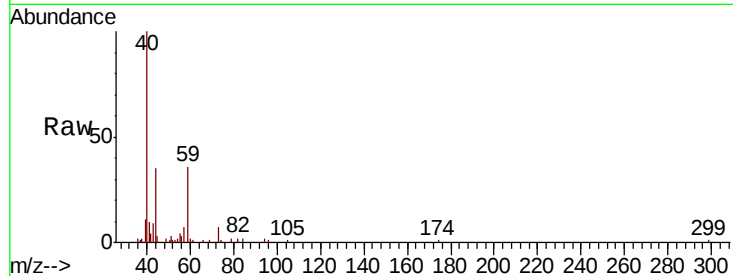
Tert butyl alcohol
Concen: 102.667 ug/l
RT: 2.54 min Scan# 194
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBSD01

Tot Ion: 59 Resp: 12244
Ion Ratio Lower Upper
59 100
57 18.4 8.7 13.1#

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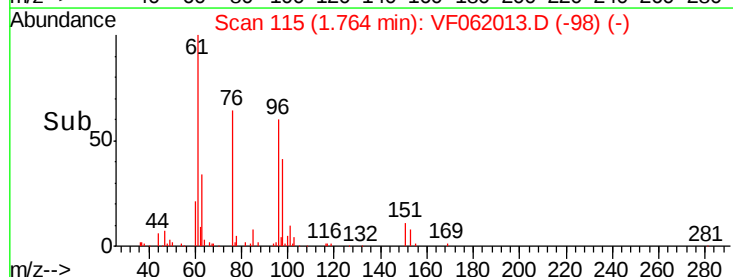
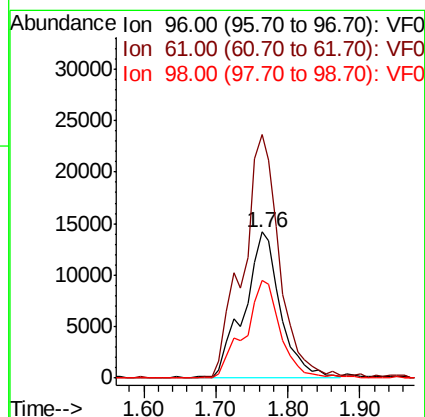
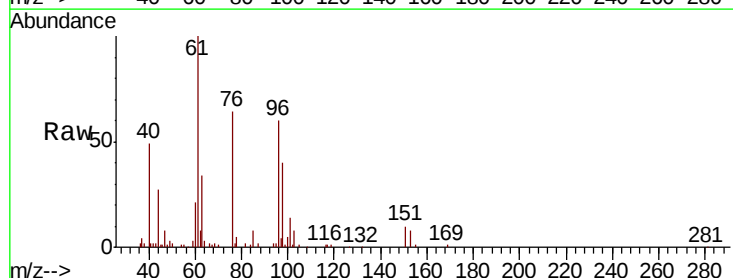
MMDadoda
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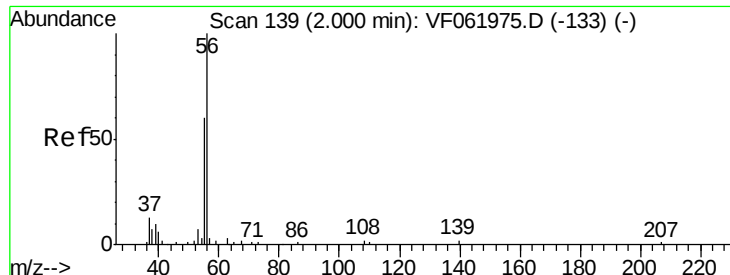


#12

1,1-Dichloroethene
Concen: 21.814 ug/l
RT: 1.76 min Scan# 115
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 96 Resp: 49847
Ion Ratio Lower Upper
96 100
61 167.1 138.6 208.0
98 67.4 53.2 79.8





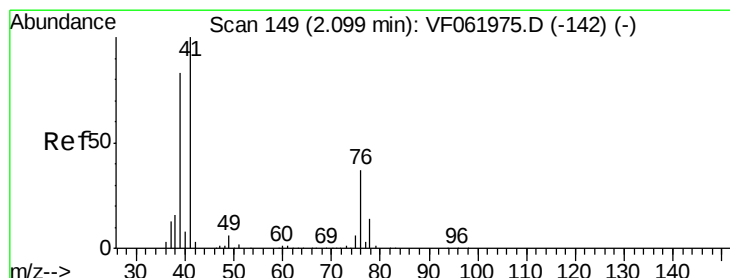
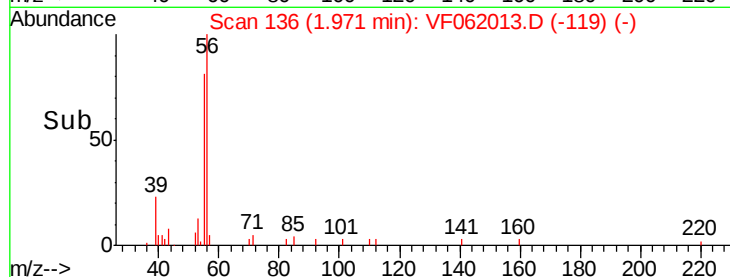
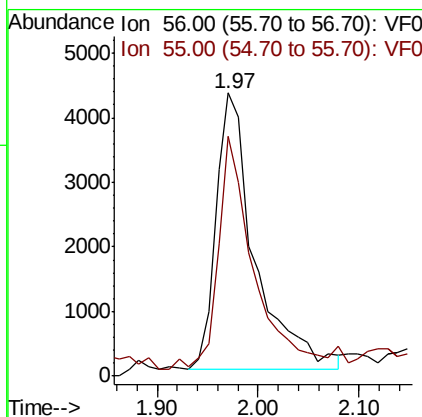
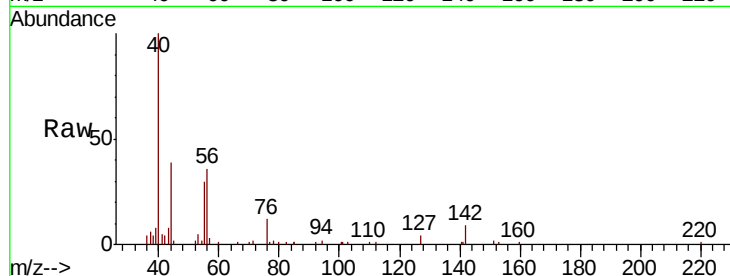
#13
Acrolein
Concen: 89.853 ug/l
RT: 1.97 min Scan# 136
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion: 56 Resp: 11568
Ion Ratio Lower Upper
56 100
55 84.6 49.1 73.7#

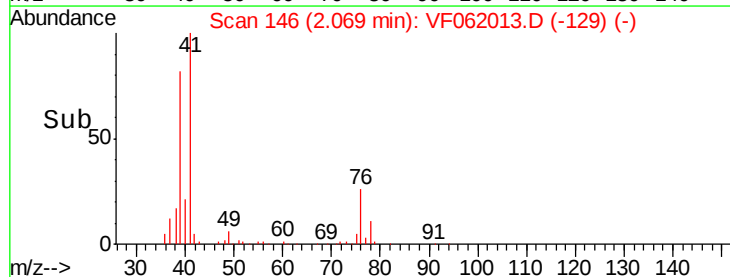
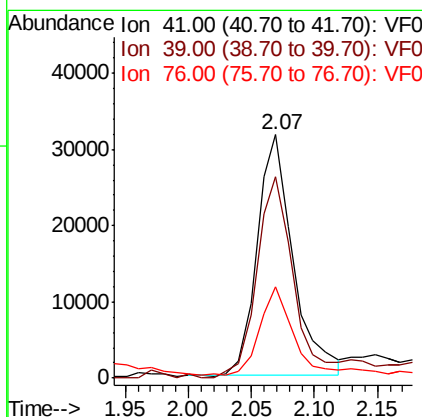
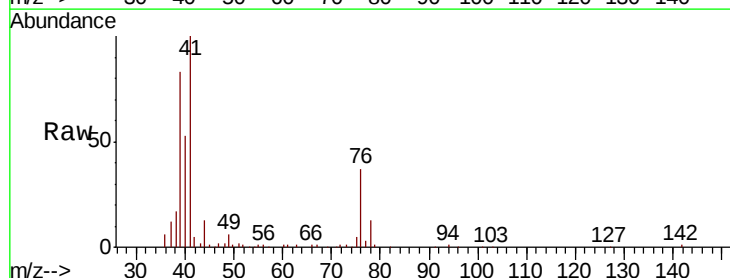
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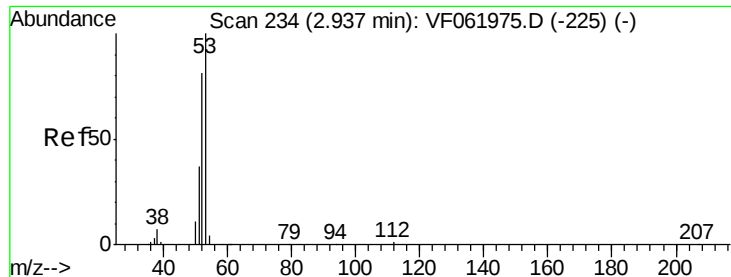
MMDadoda
3/22/2019 4:54:06 PM



#14
Allyl chloride
Concen: 21.478 ug/l
RT: 2.07 min Scan# 146
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 41 Resp: 62651
Ion Ratio Lower Upper
41 100
39 82.6 66.8 100.2
76 37.3 31.1 46.7





#15

Acrylonitrile

Concen: 104.596 ug/l

RT: 2.91 min Scan# 231

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

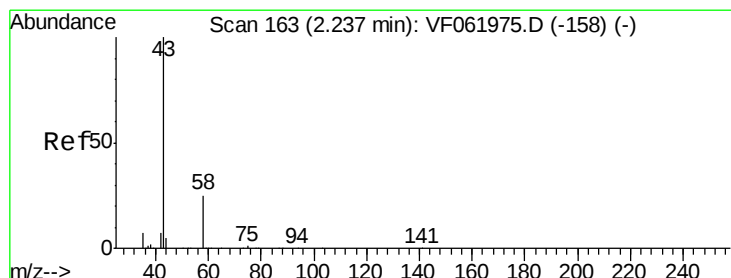
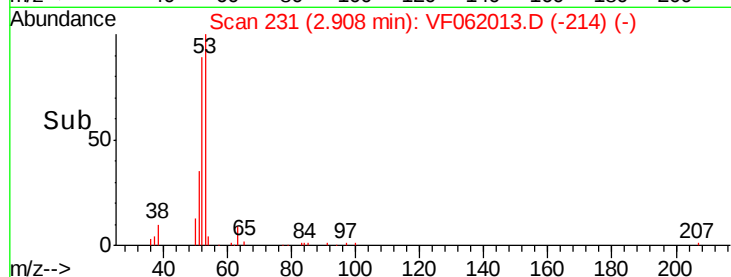
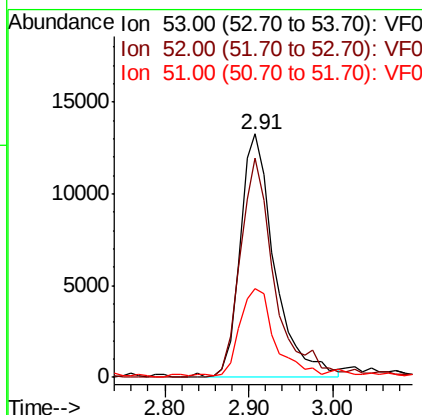
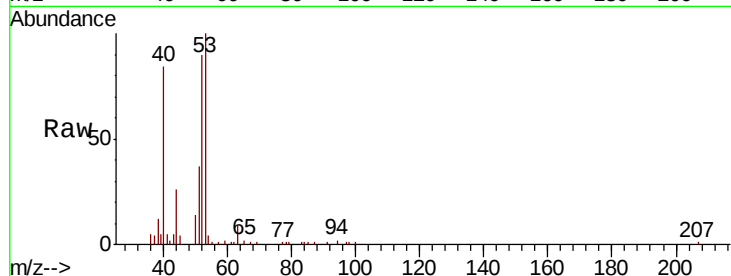
ClientSampleId :

VF0319SBS01

Tot Ion:	53	Resp:	37933
Ion Ratio	Lower	Upper	
53	100		
52	90.2	64.4	96.6
51	36.5	30.3	45.5

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#16

Acetone

Concen: 115.872 ug/l

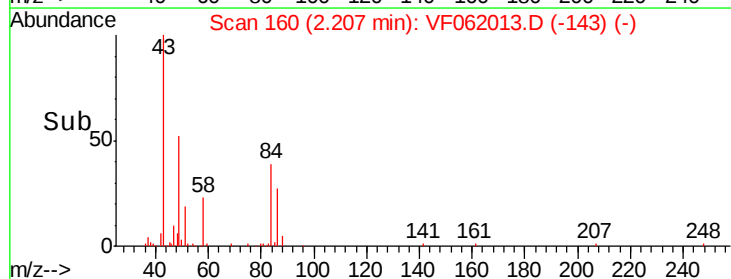
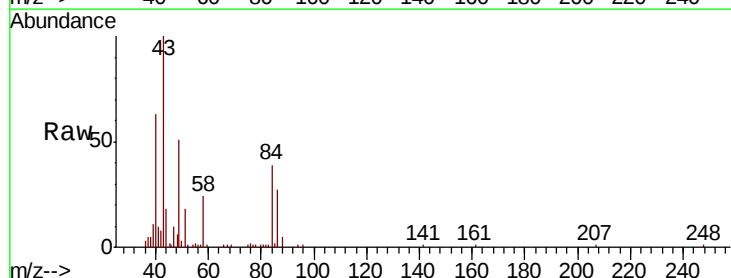
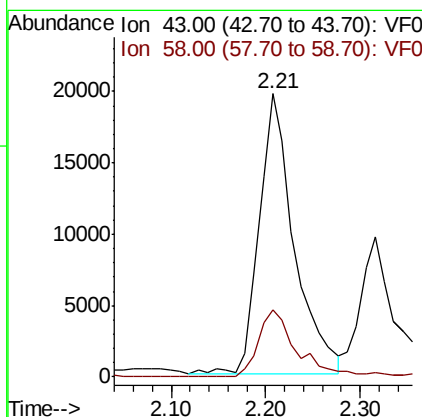
RT: 2.21 min Scan# 160

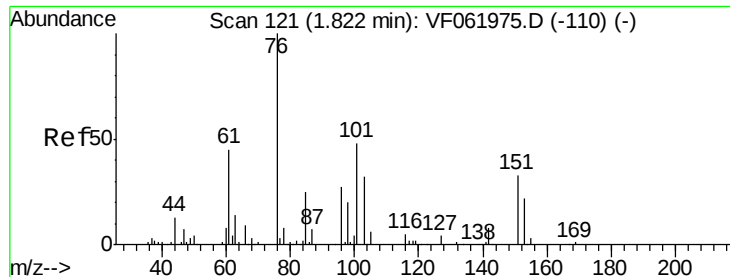
Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	43	Resp:	50711
Ion Ratio	Lower	Upper	
43	100		
58	23.5	19.9	29.9





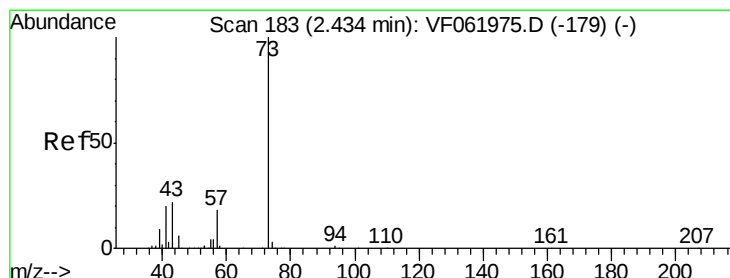
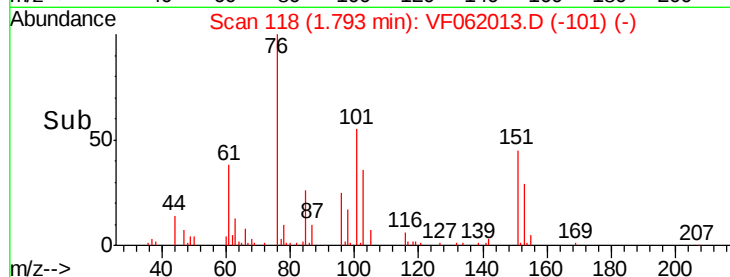
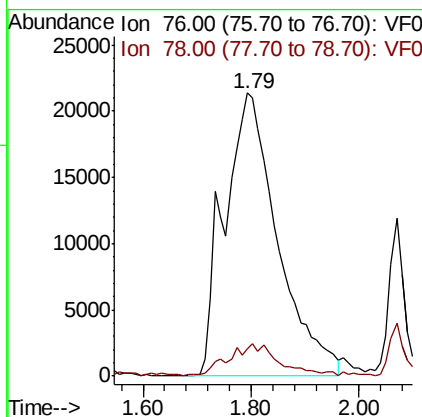
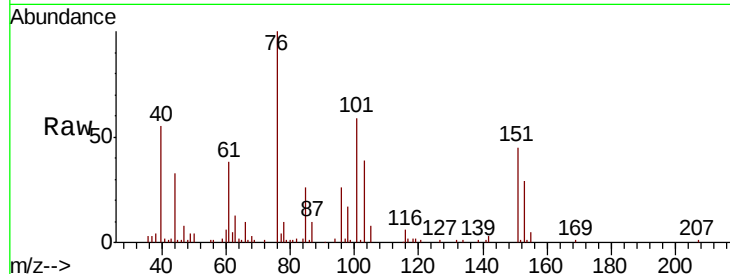
#17
Carbon Disulfide
Concen: 22.243 ug/l
RT: 1.79 min Scan# 118
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion: 76 Resp: 146927
Ion Ratio Lower Upper
76 100
78 9.5 6.8 10.2

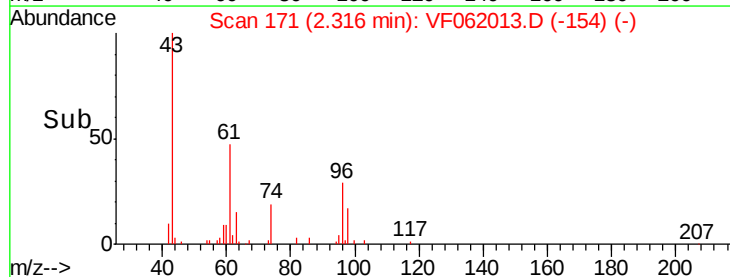
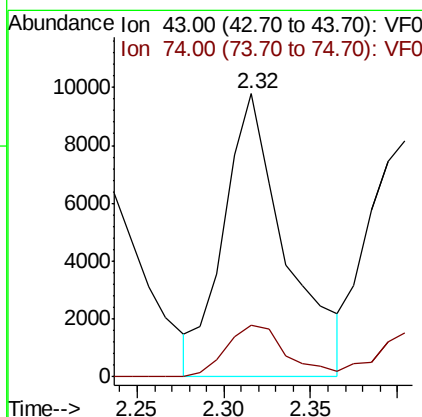
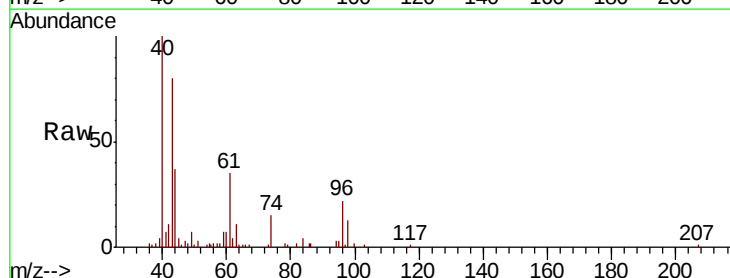
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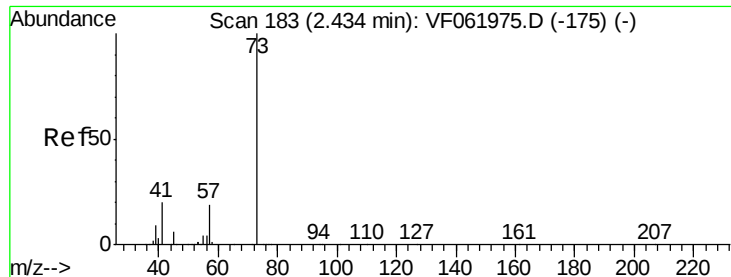
MMDadoda
3/22/2019 4:54:06 PM



#18
Methyl Acetate
Concen: 24.529 ug/l m
RT: 2.32 min Scan# 171
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 43 Resp: 24327
Ion Ratio Lower Upper
43 100
74 18.3 18.3 27.5#





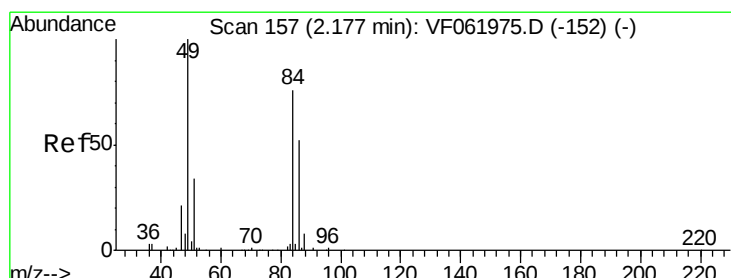
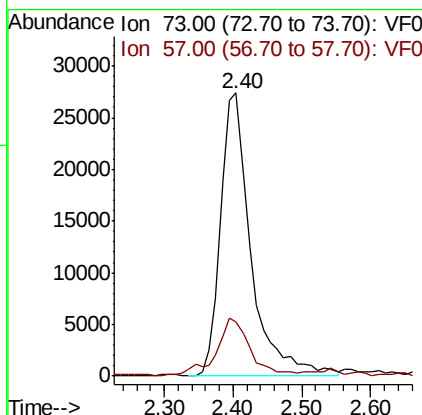
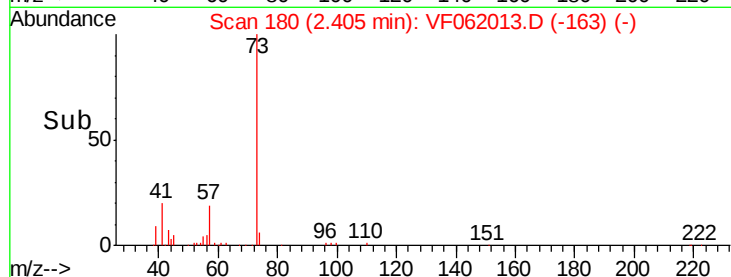
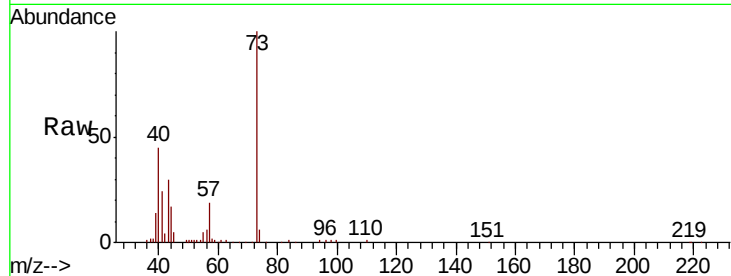
#19
Methvl tert-butvl Ether
Concen: 20.316 ug/l
RT: 2.40 min Scan# 180
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion: 73 Resp: 84121
Ion Ratio Lower Upper
73 100
57 19.0 15.3 22.9

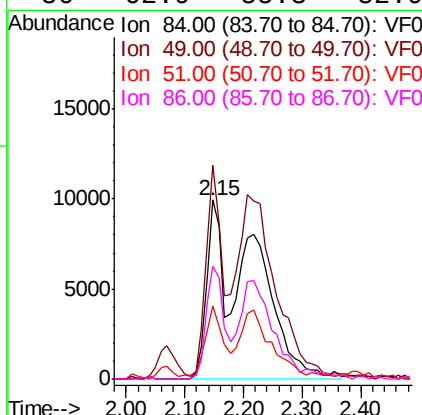
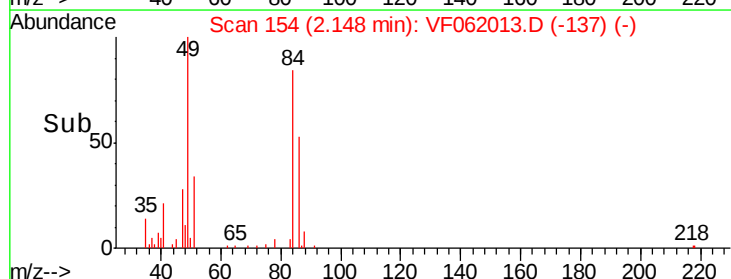
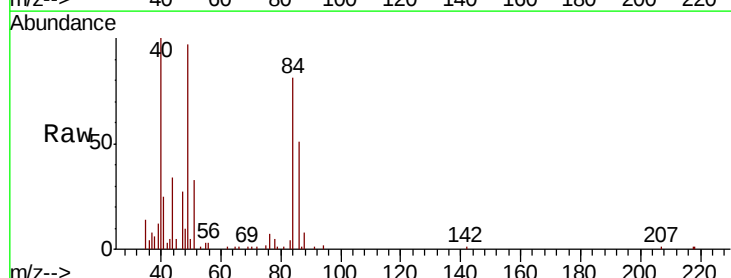
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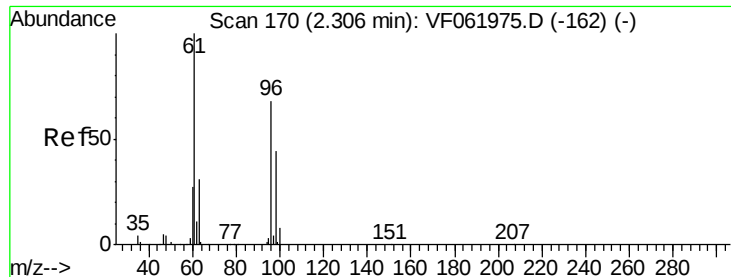
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3/22/2019 4:54:06 PM



#20
Methylene Chloride
Concen: 23.509 ug/l m
RT: 2.15 min Scan# 154
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 84 Resp: 53681
Ion Ratio Lower Upper
84 100
49 119.4 107.0 160.6
51 40.6 37.2 55.8
86 62.9 55.3 82.9





#21

trans-1,2-Dichloroethene

Concen: 21.567 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

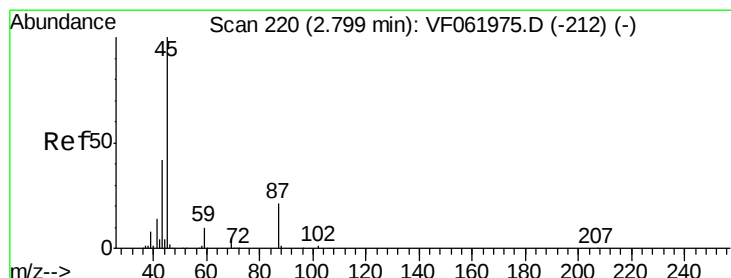
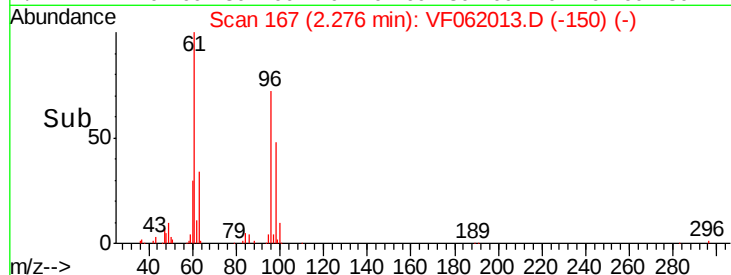
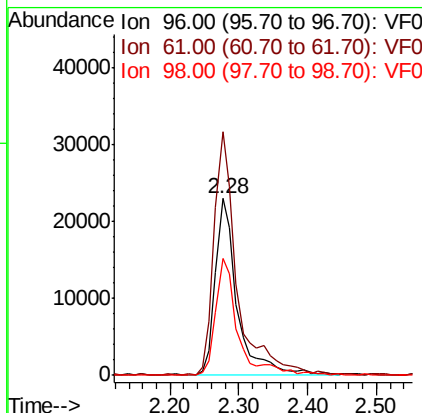
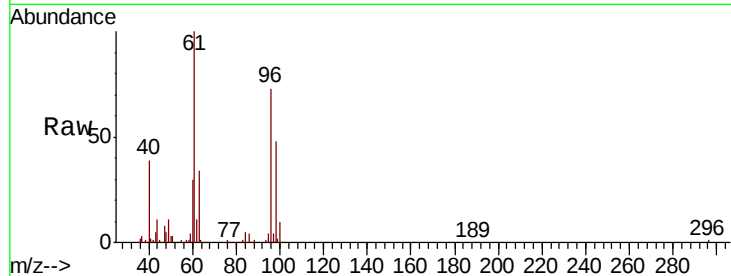
ClientSampleId :

VF0319SBS01

Tot Ion:	96	Resp:	51430
Ion	Ratio	Lower	Upper
96	100		
61	137.9	117.4	176.2
98	66.4	51.2	76.8

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#22

Diisopropyl ether

Concen: 21.422 ug/l

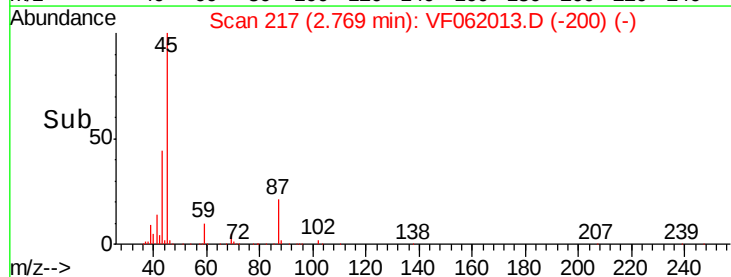
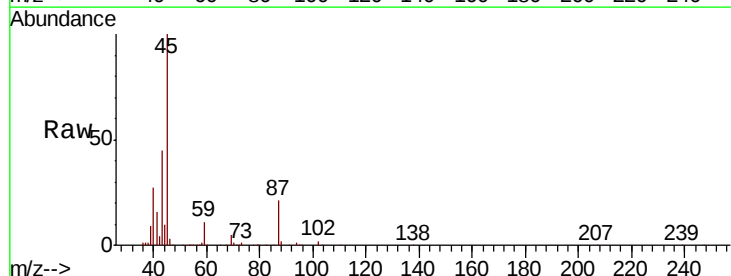
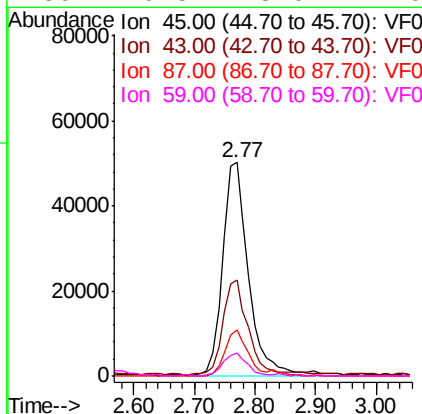
RT: 2.77 min Scan# 217

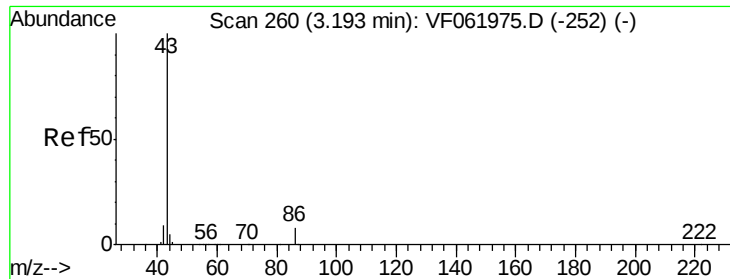
Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	45	Resp:	150300
Ion	Ratio	Lower	Upper
45	100		
43	44.8	33.7	50.5
87	21.4	17.1	25.7
59	10.5	8.0	12.0





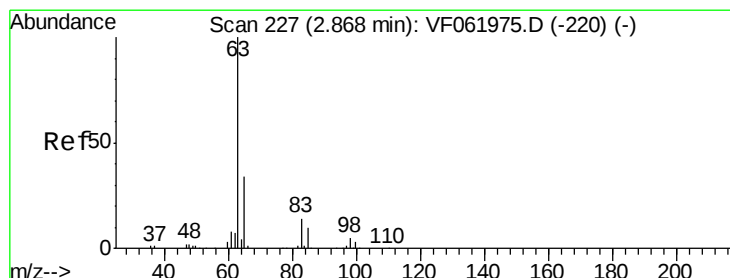
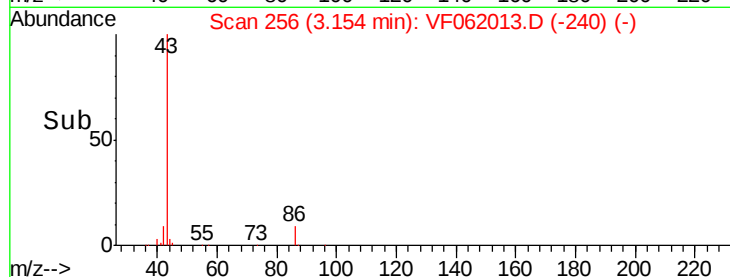
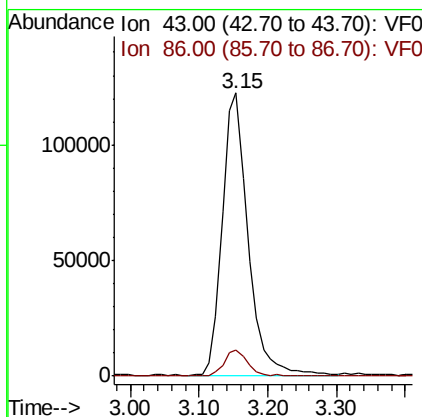
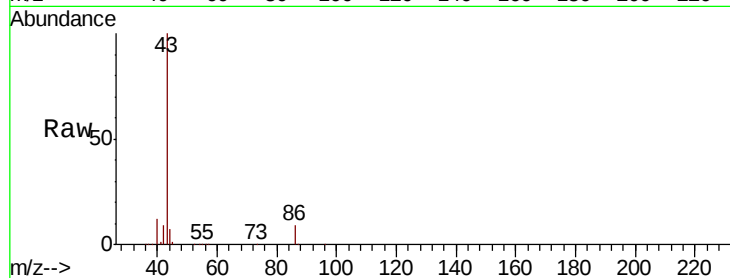
#23
 Vinyl Acetate
 Concen: 114.794 ug/l
 RT: 3.15 min Scan# 256
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.5	9.7

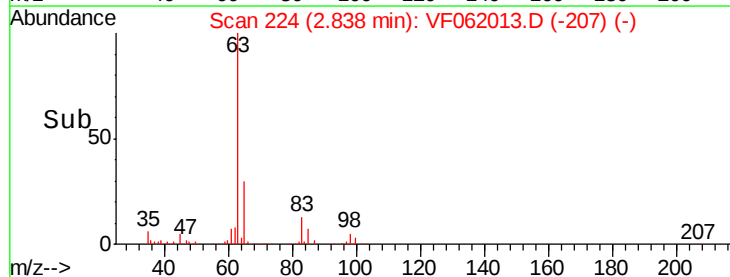
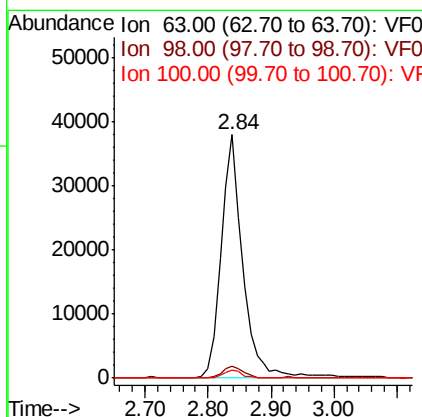
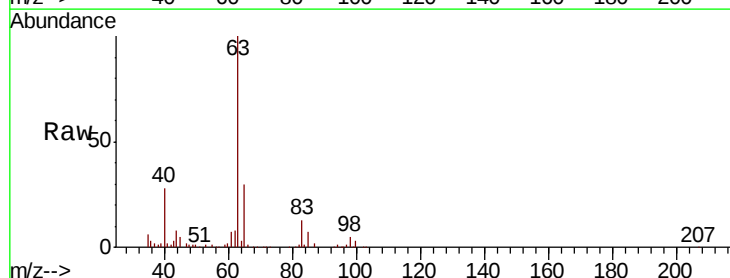
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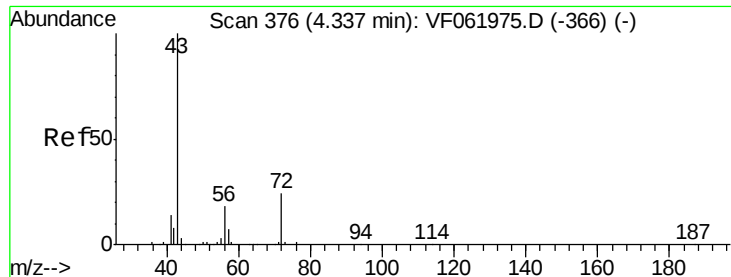
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 22.386 ug/l
 RT: 2.84 min Scan# 224
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.7	8.1
100	3.4	1.7	5.0





#25

2-Butanone

Concen: 107.015 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.05 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 43 Resp: 92755

Ion Ratio Lower Upper

43 100

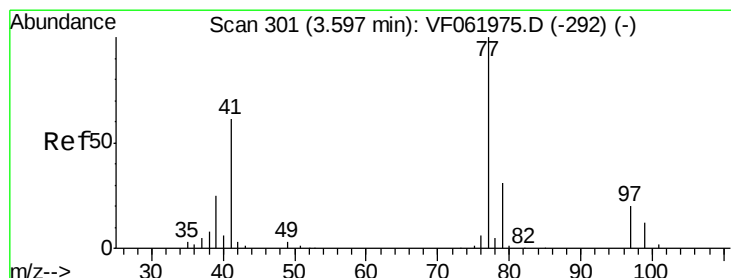
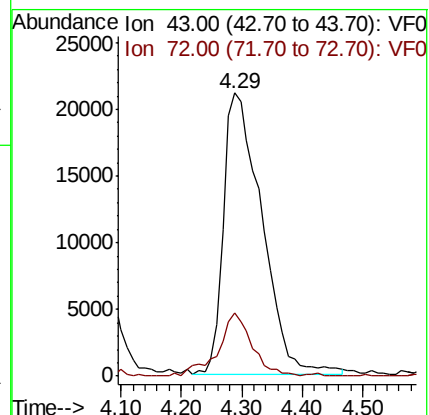
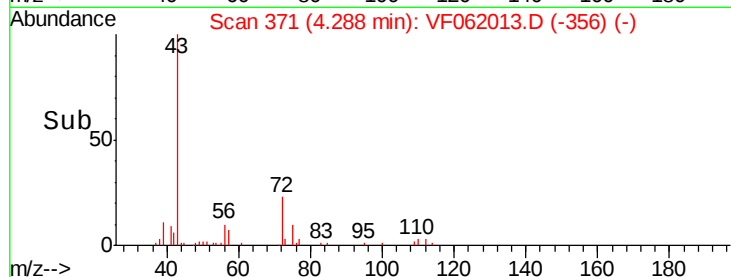
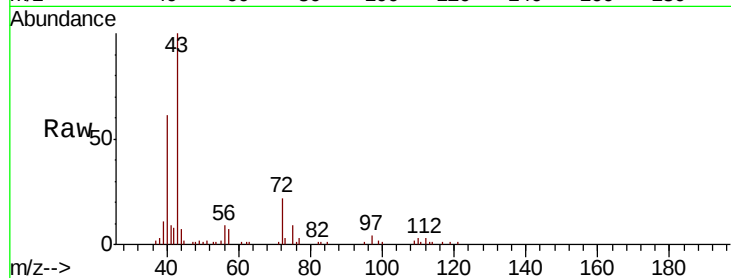
72 22.4 19.8 29.6

Manual Integrations

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3/22/2019 4:54:06 PM



#26

2,2-Dichloropropane

Concen: 21.591 ug/l

RT: 3.56 min Scan# 297

Delta R.T. -0.04 min

Lab File: VF062013.D

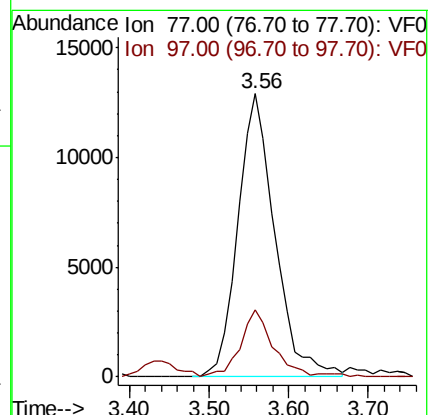
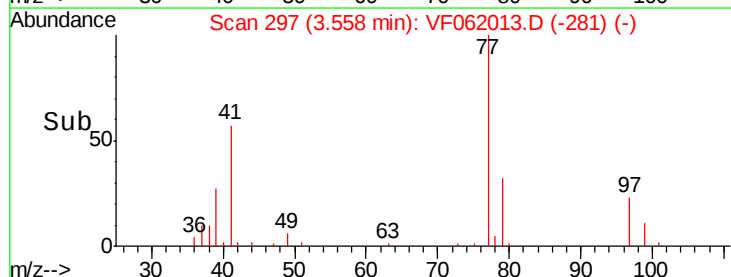
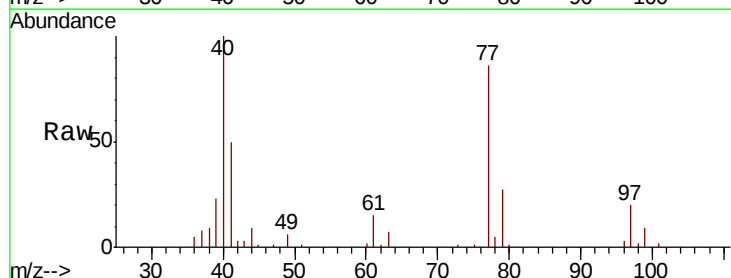
Acq: 19 Mar 2019 12:50

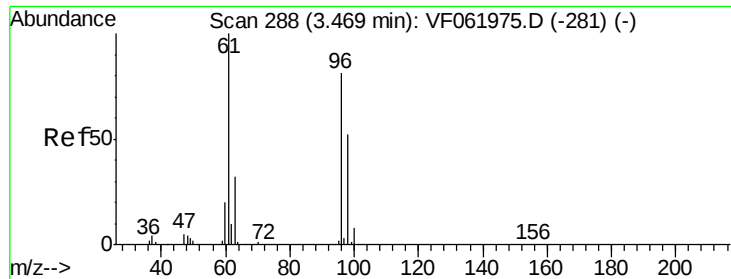
Tgt Ion: 77 Resp: 41549

Ion Ratio Lower Upper

77 100

97 23.7 10.8 32.4





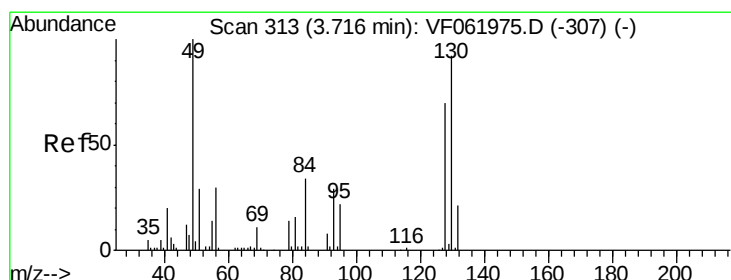
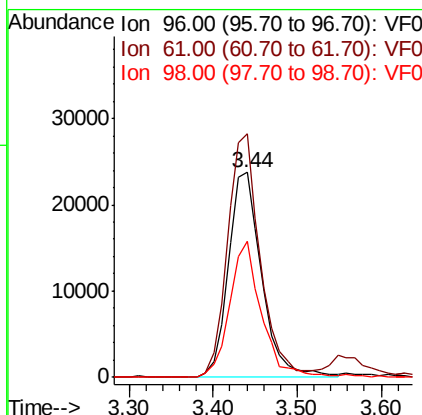
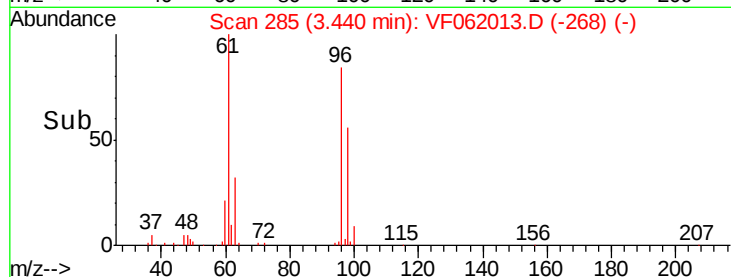
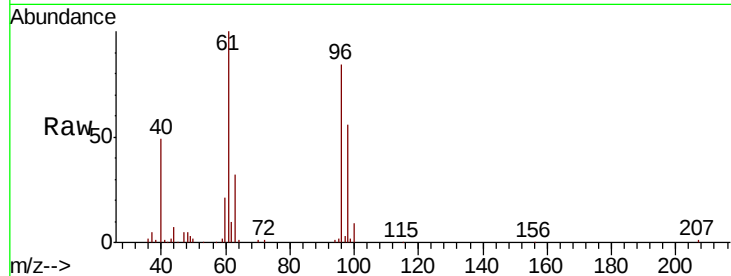
#27
 cis-1,2-Dichloroethene
 Concen: 21.803 ug/l
 RT: 3.44 min Scan# 285
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	118.8	0.0	246.6
98	66.2	0.0	129.2

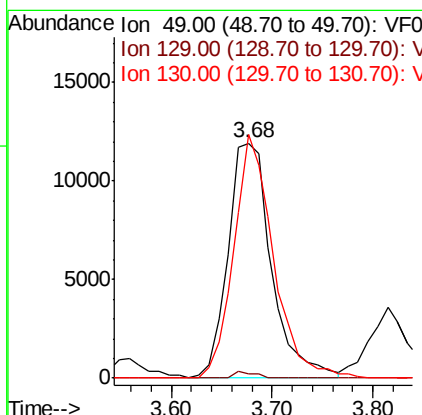
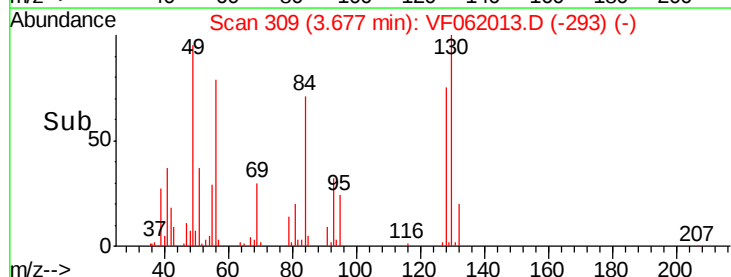
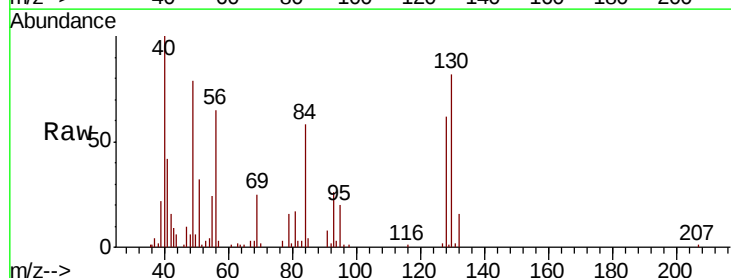
Manual Integrations
 APPROVED

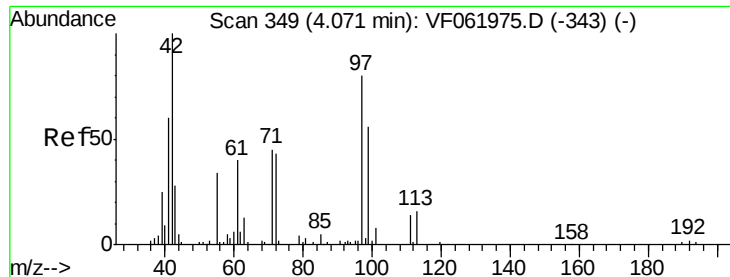
MMDadoda
 3/22/2019 4:54:06 PM



#28
 Bromochloromethane
 Concen: 21.066 ug/l
 RT: 3.68 min Scan# 309
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	5.8
130	103.7	73.1	109.7





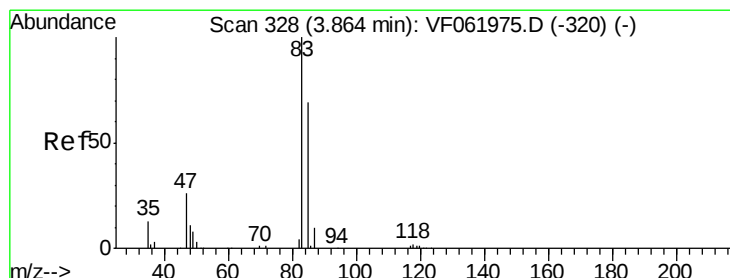
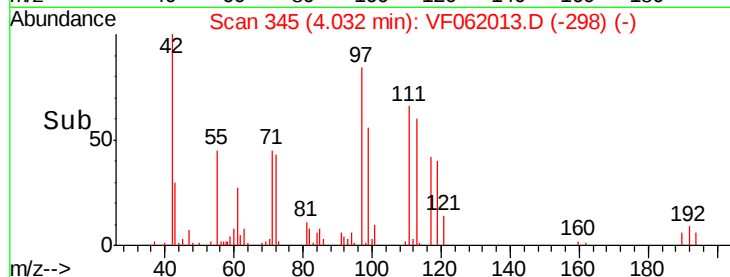
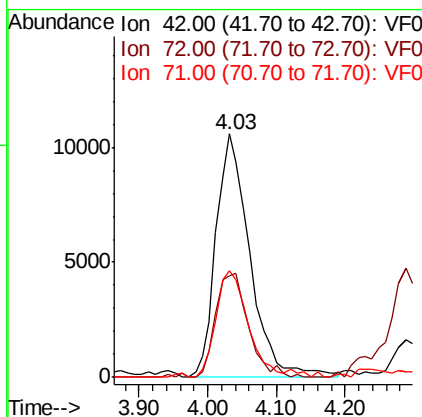
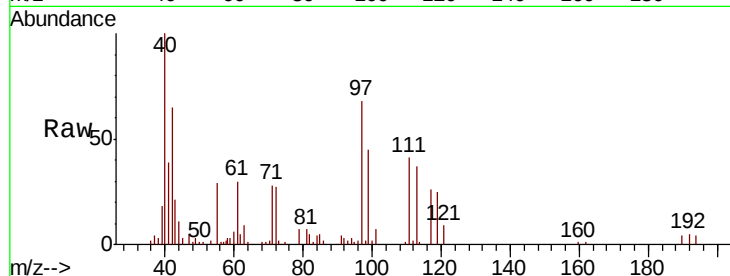
#29
Tetrahydrofuran
Concen: 96.110 ug/l
RT: 4.03 min Scan# 345
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	34.0	51.0
71	40.9	34.2	51.4

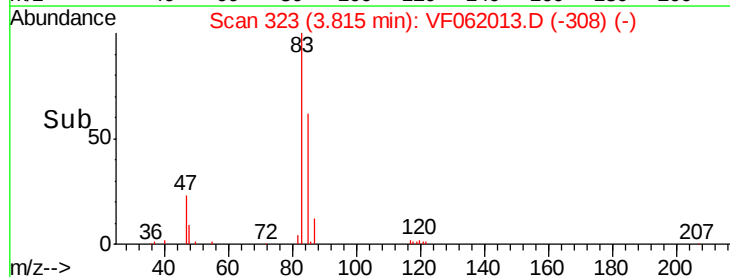
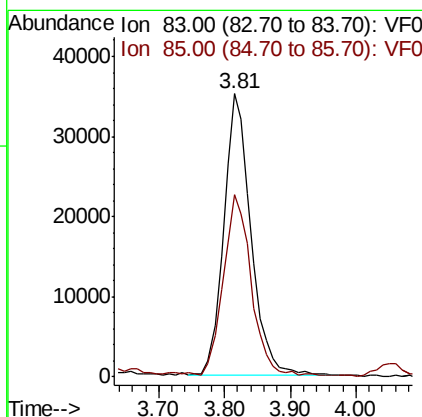
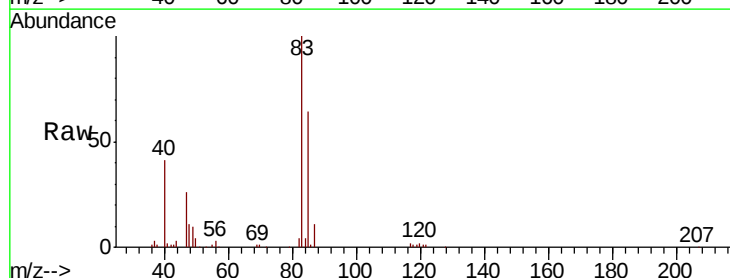
Manual Integrations
APPROVED

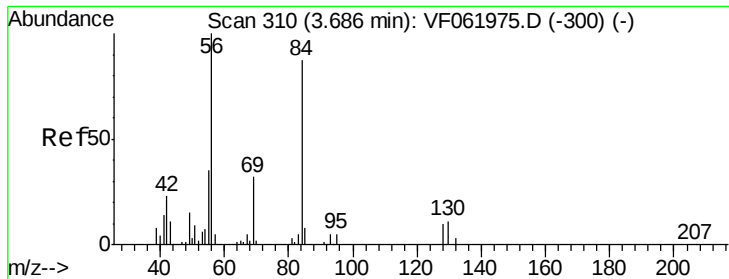
MMDadoda
3/22/2019 4:54:06 PM



#30
Chloroform
Concen: 21.988 ug/l
RT: 3.81 min Scan# 323
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	55.5	83.3





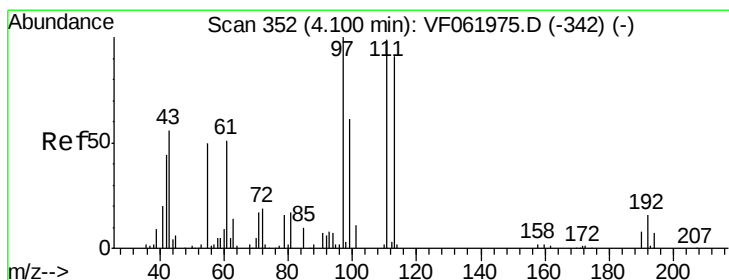
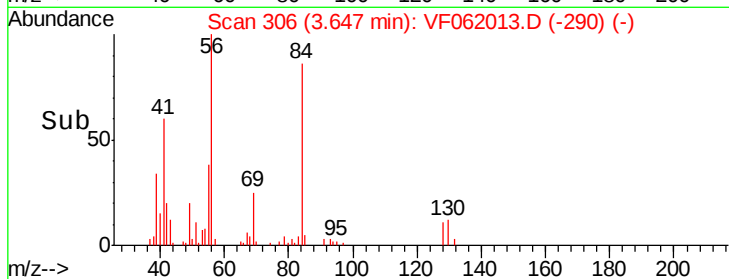
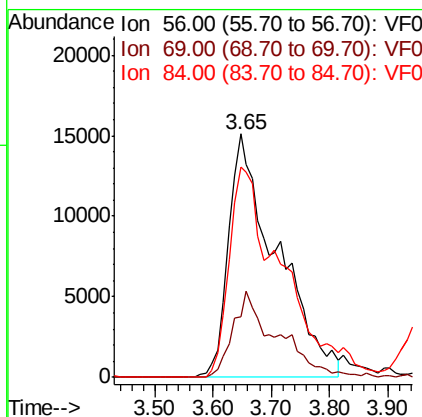
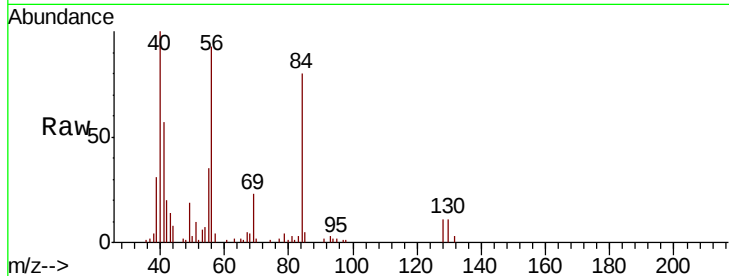
#31
Cyclohexane
Concen: 21.562 ug/l
RT: 3.65 min Scan# 306
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	25.0	25.8	38.8#
84	86.4	69.5	104.3

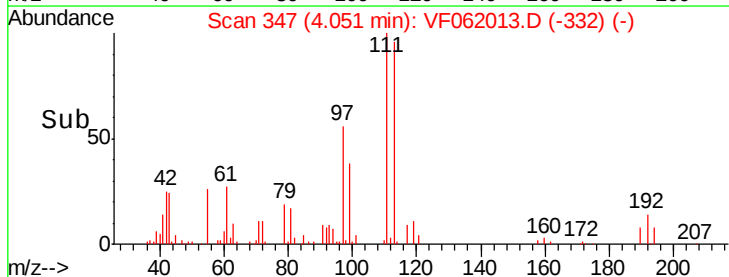
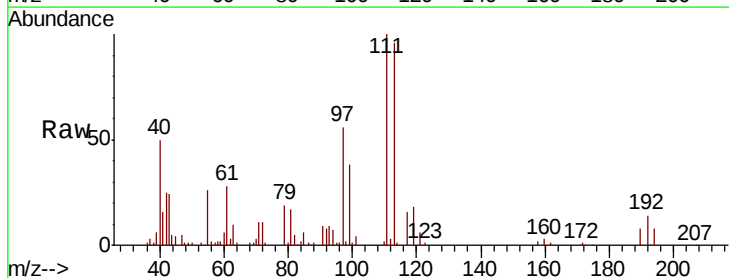
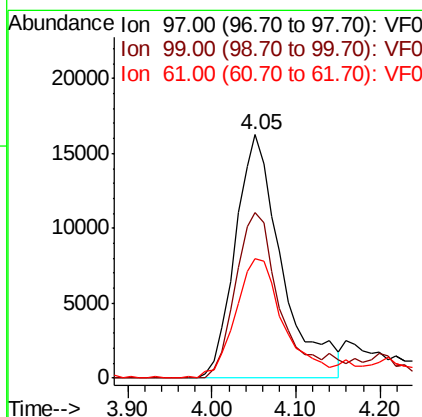
Manual Integrations
APPROVED

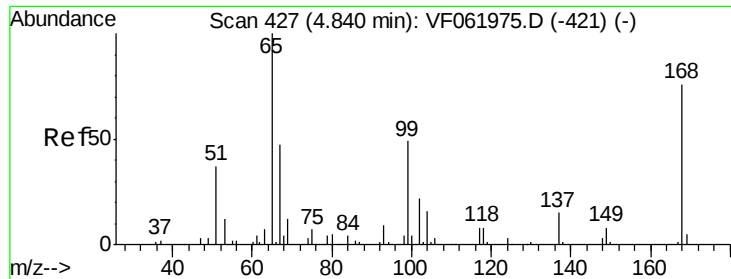
MMDadoda
3/22/2019 4:54:06 PM



#32
1,1,1-Trichloroethane
Concen: 20.476 ug/l
RT: 4.05 min Scan# 347
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.0	49.0	73.4
61	49.3	41.4	62.0





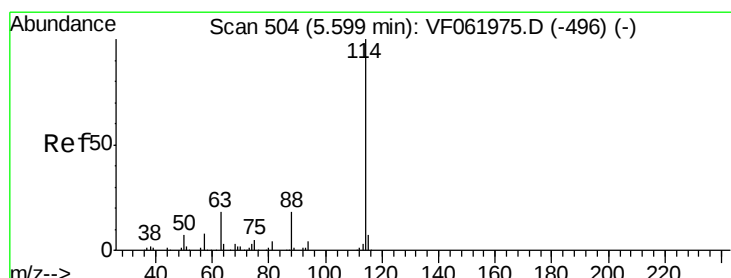
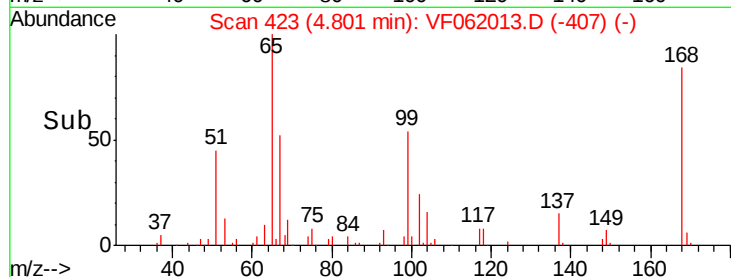
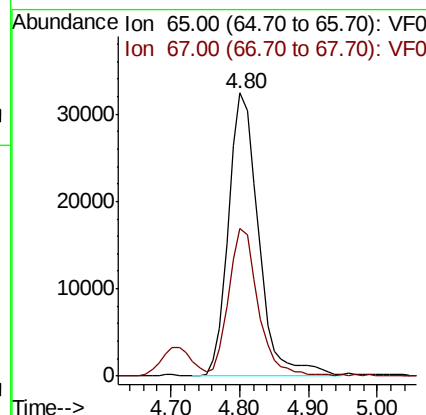
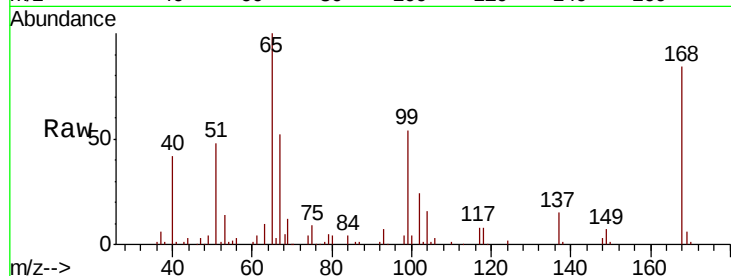
#33
 1,2-Dichloroethane-d4
 Concen: 50.659 ug/l
 RT: 4.80 min Scan# 423
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	98732		
67	52.1	0.0	109.4	

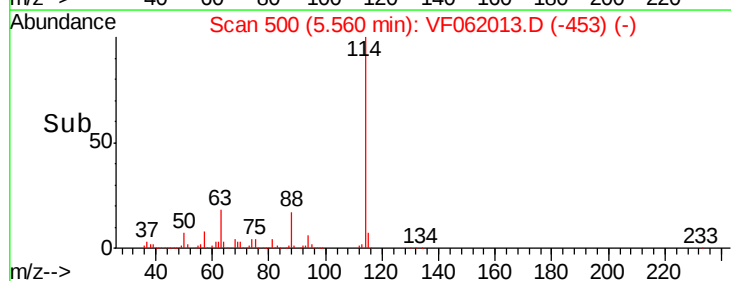
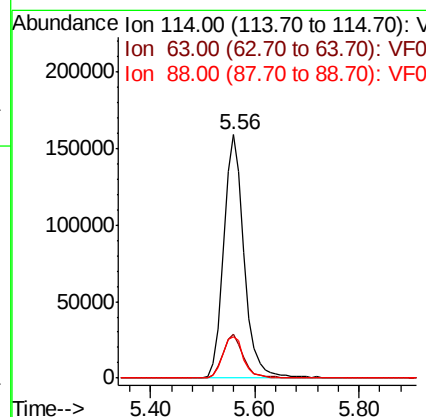
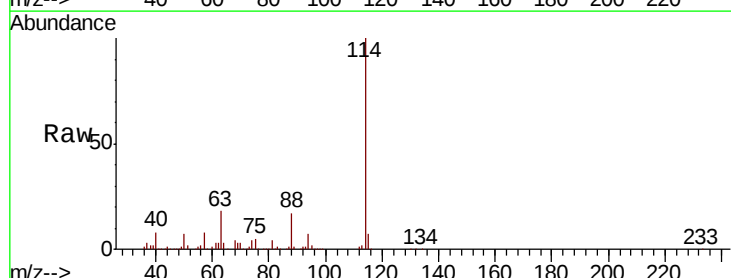
Manual Integrations
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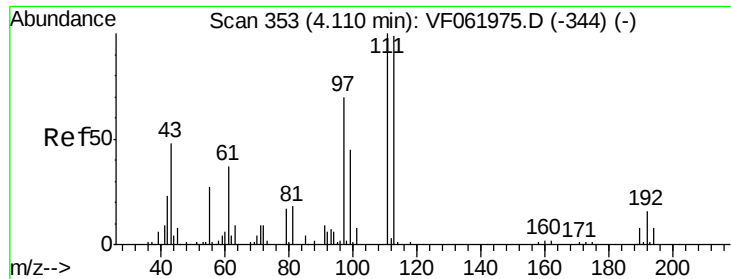
MMDadoda
 3/22/2019 4:54:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.56 min Scan# 500
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	430250		
63	18.1	0.0	36.4	
88	16.9	0.0	36.4	





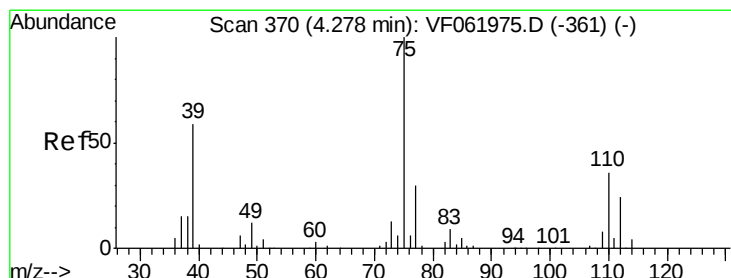
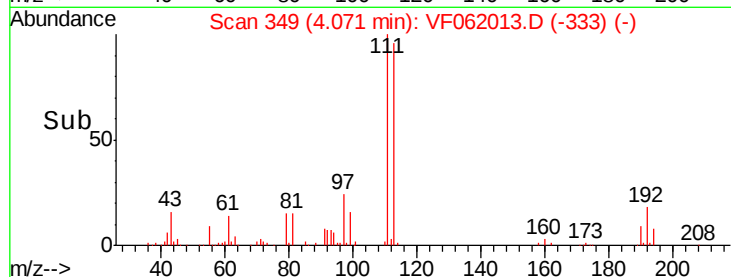
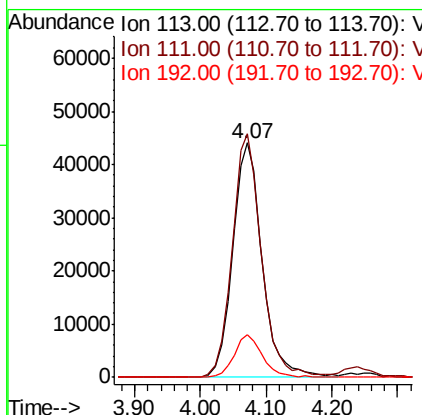
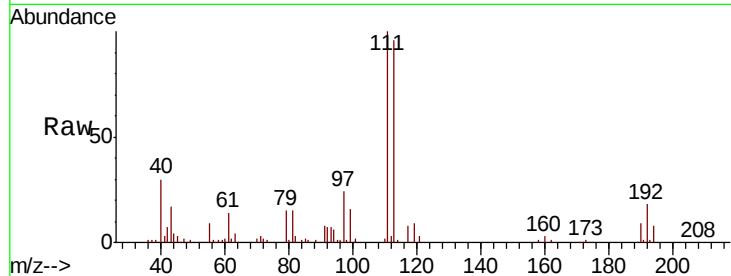
#35
 Dibromofluoromethane
 Concen: 47.920 ug/l
 RT: 4.07 min Scan# 349
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	138451		
111	103.9	80.8	121.2	
192	18.3	13.0	19.6	

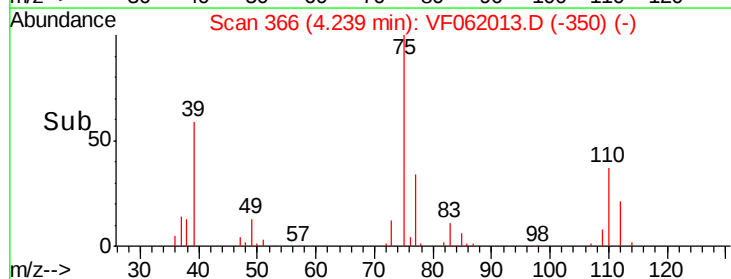
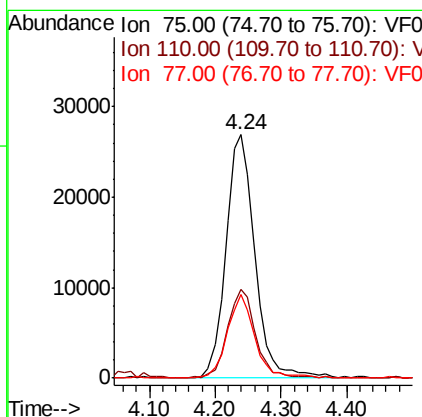
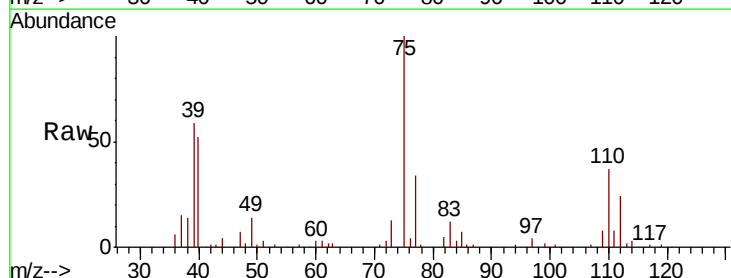
Manual Integrations
 APPROVED

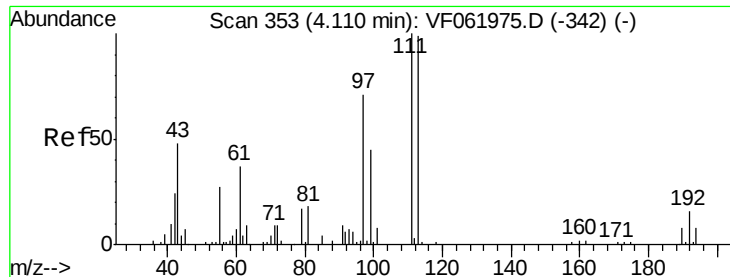
MMDadoda
 3/22/2019 4:54:06 PM



#36
 1,1-Dichloropropene
 Concen: 21.335 ug/l
 RT: 4.24 min Scan# 366
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	82896		
110	36.7	17.8	53.3	
77	34.3	24.2	36.2	





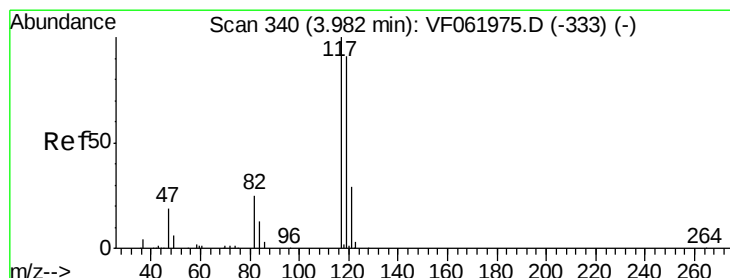
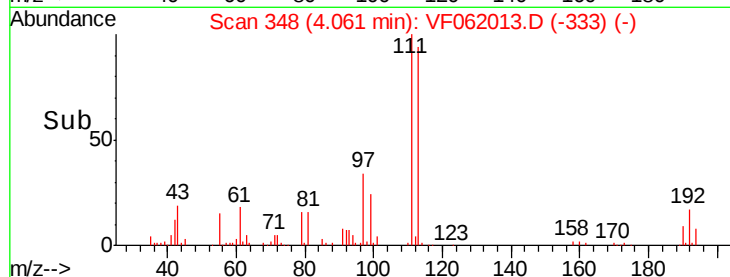
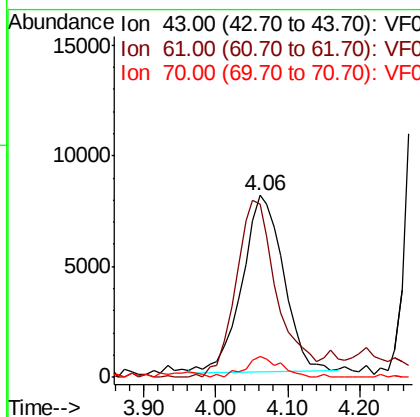
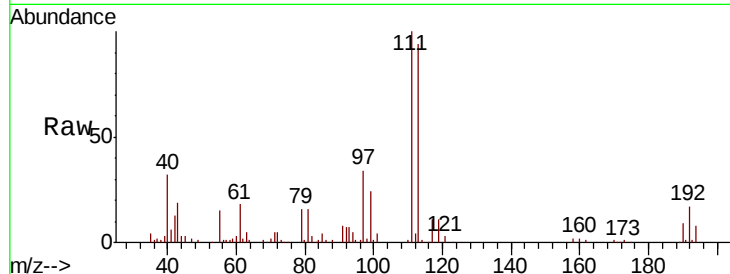
#37
Ethyl Acetate
Concen: 18.332 ug/l
RT: 4.06 min Scan# 348
Delta R.T. -0.05 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	95.4	59.8	89.6#
70	11.2	7.8	11.8

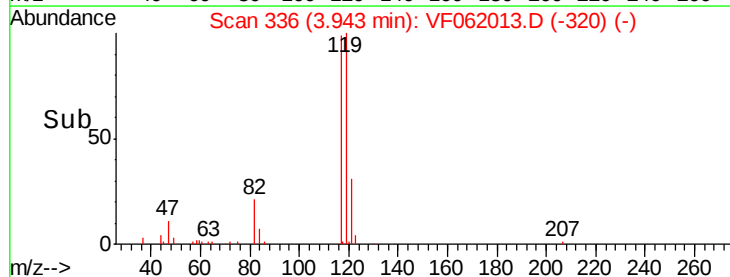
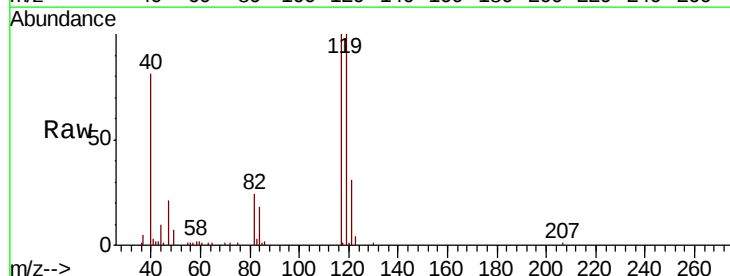
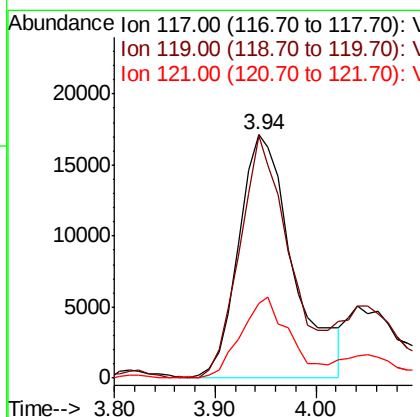
Manual Integrations
APPROVED

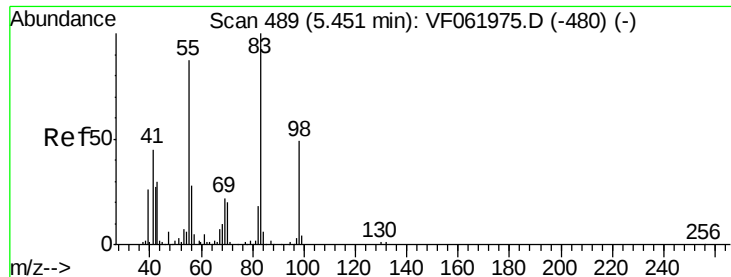
MMDadoda
3/22/2019 4:54:06 PM



#38
Carbon Tetrachloride
Concen: 22.609 ug/l
RT: 3.94 min Scan# 336
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	73.0	109.4
121	30.8	23.0	34.6





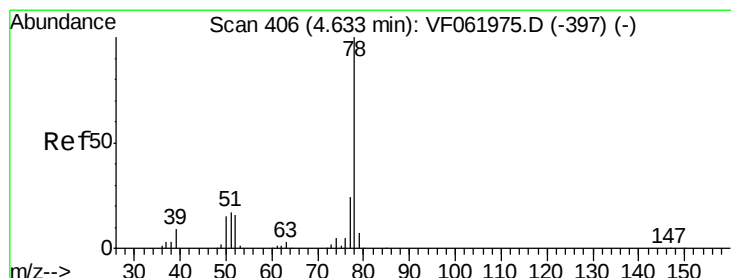
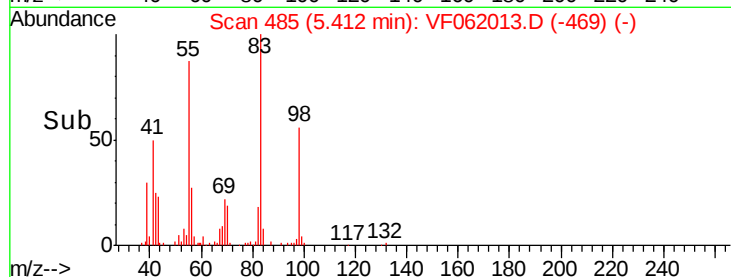
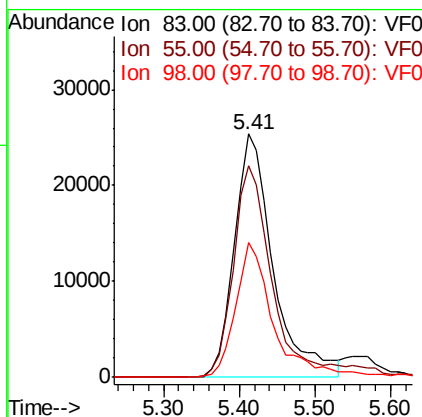
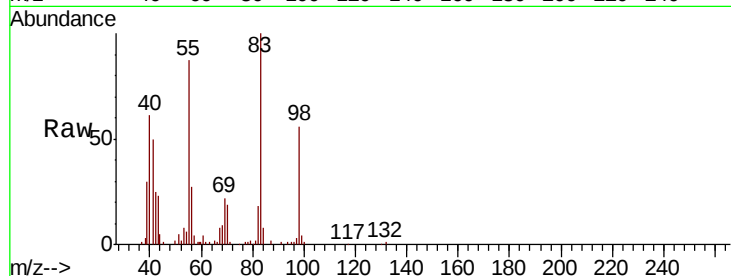
#39
Methvlcvclohexane
Concen: 19.897 ug/l
RT: 5.41 min Scan# 485
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.7	69.7	104.5
98	55.6	39.4	59.0

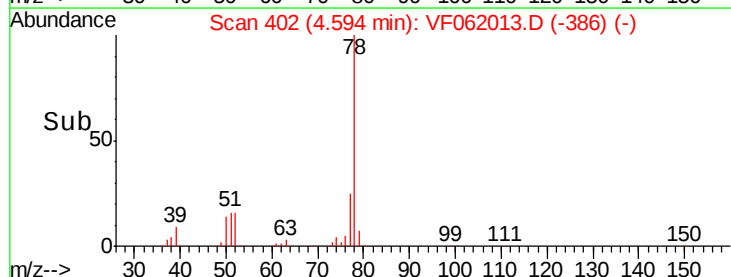
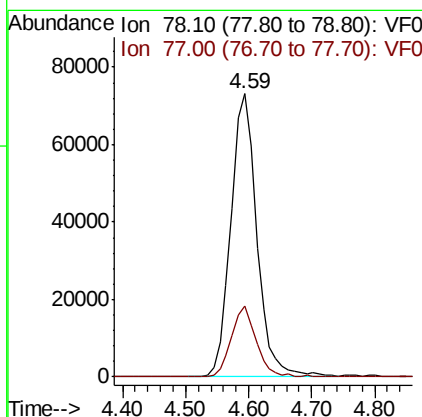
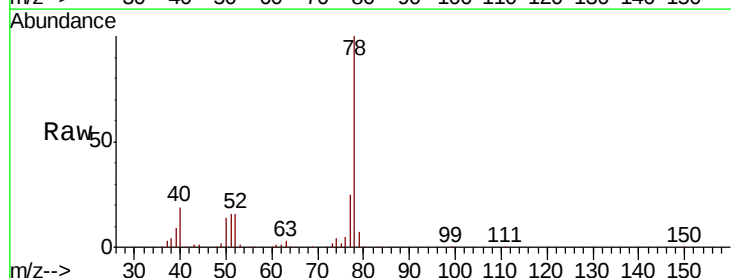
Manual Integrations
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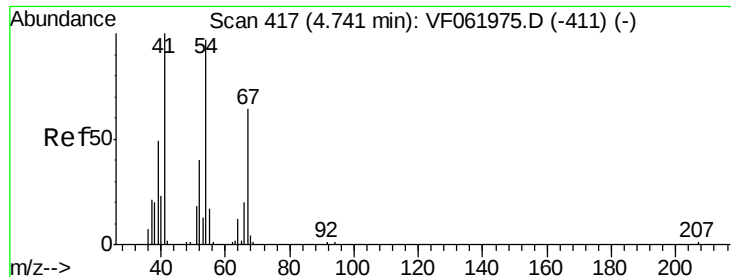
MMDadoda
3/22/2019 4:54:06 PM



#40
Benzene
Concen: 20.249 ug/l
RT: 4.59 min Scan# 402
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.0	28.4





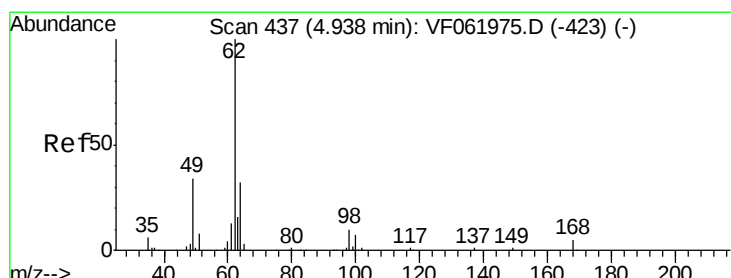
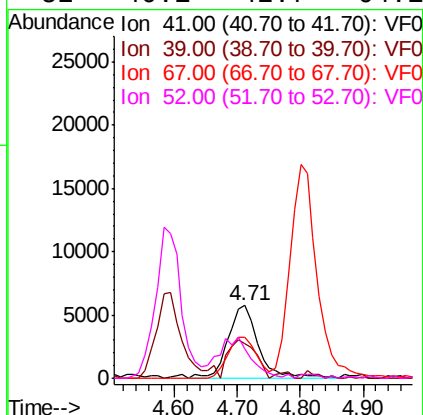
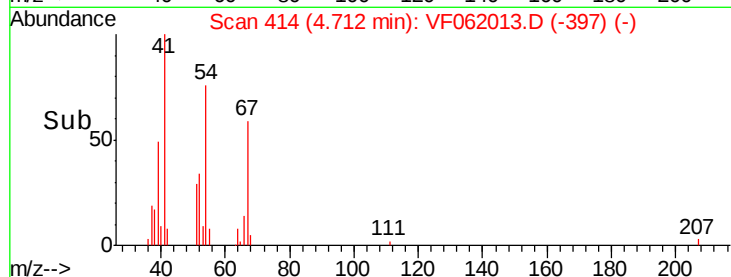
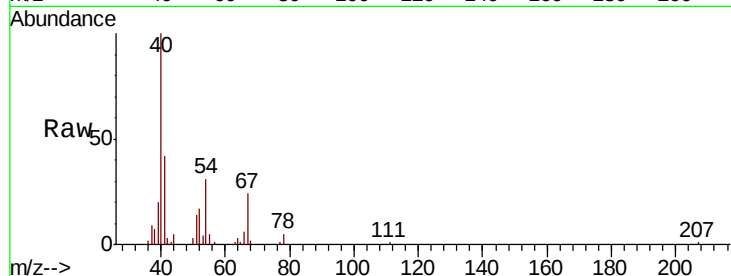
#41
Methacrylonitrile
Concen: 20.407 ug/l
RT: 4.71 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ion	Ratio	Lower	Upper
19021	41	100		
	39	46.9	46.2	69.4
	67	56.9	49.8	74.8
	52	40.1	42.7	64.1#

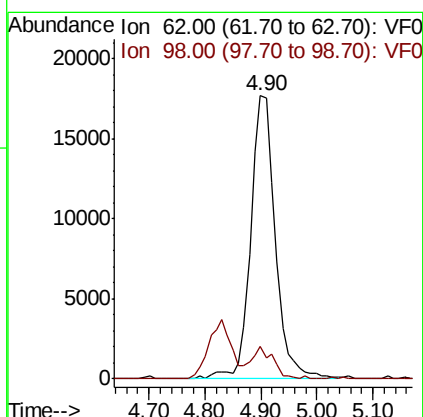
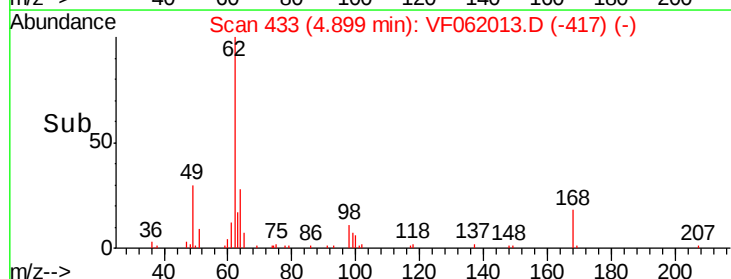
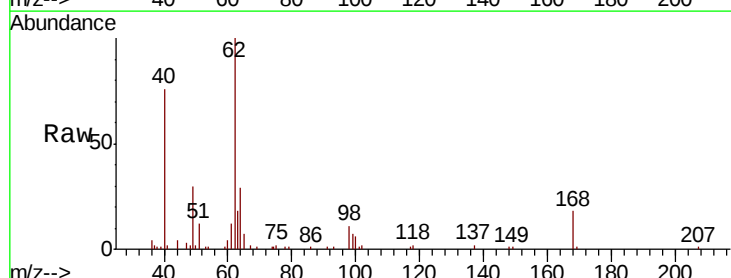
Manual Integrations
APPROVED

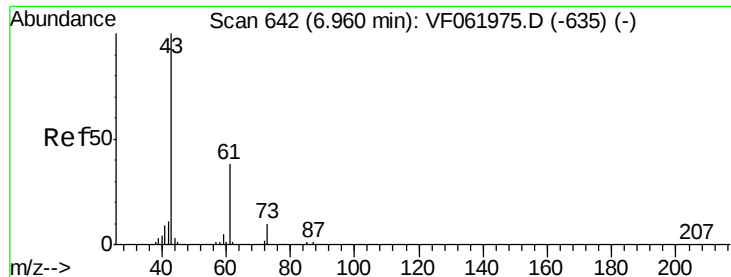
MMDadoda
3/22/2019 4:54:06 PM



#42
1,2-Dichloroethane
Concen: 21.065 ug/l
RT: 4.90 min Scan# 433
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ion	Ratio	Lower	Upper
53988	62	100		
	98	11.4	0.0	19.8





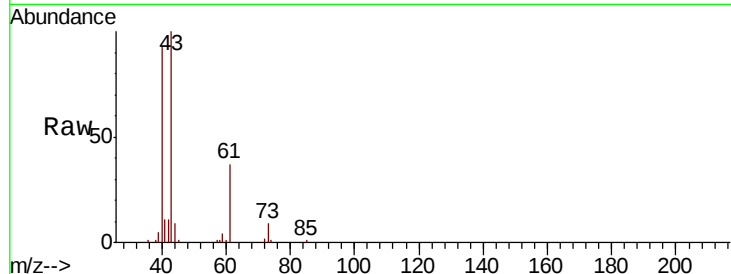
#43
Isopropyl Acetate
Concen: 18.662 ug/l
RT: 6.92 min Scan# 638
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.7	30.1	45.1
87	0.0	0.4	0.6

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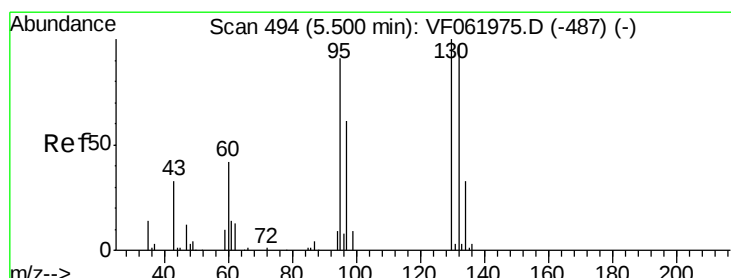
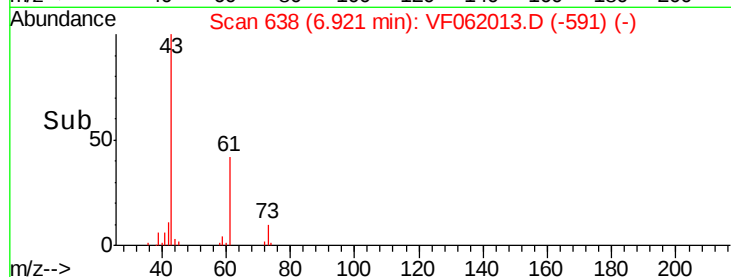
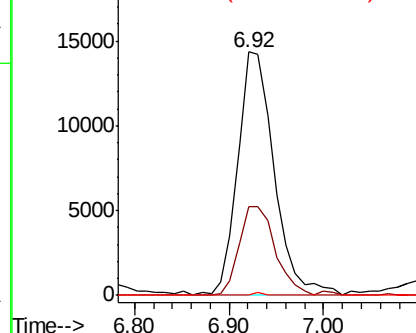


Abundance

Ion 43.00 (42.70 to 43.70): VF0

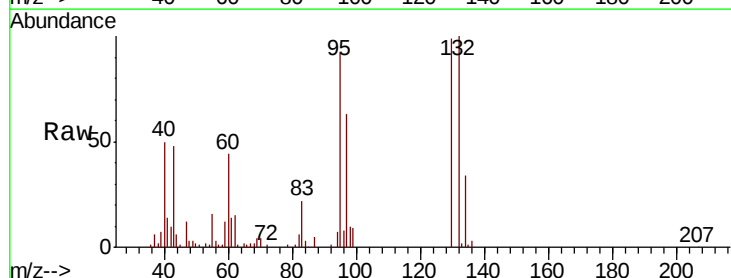
Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44
Trichloroethene
Concen: 21.053 ug/l
RT: 5.46 min Scan# 490
Delta R.T. -0.04 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

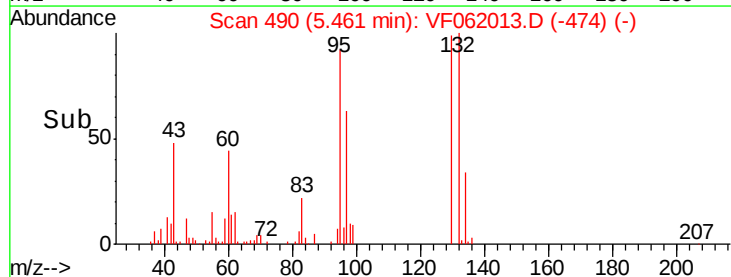
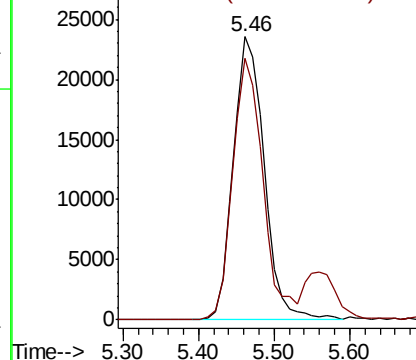
Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	181.4

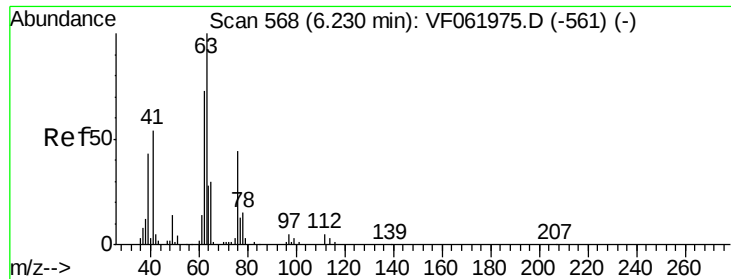


Abundance

Ion 129.90 (129.60 to 130.60): VF0

Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 21.413 ug/l

RT: 6.20 min Scan# 565

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 63 Resp: 52171

Ion Ratio Lower Upper

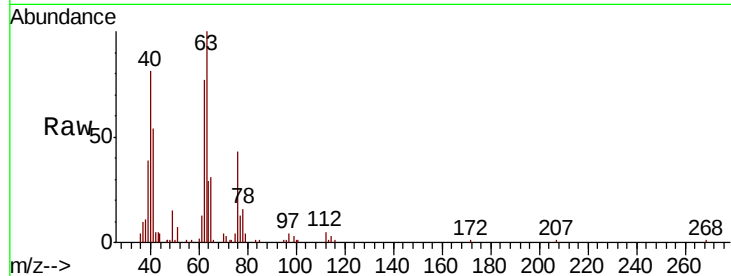
63 100

65 31.4 23.7 35.5

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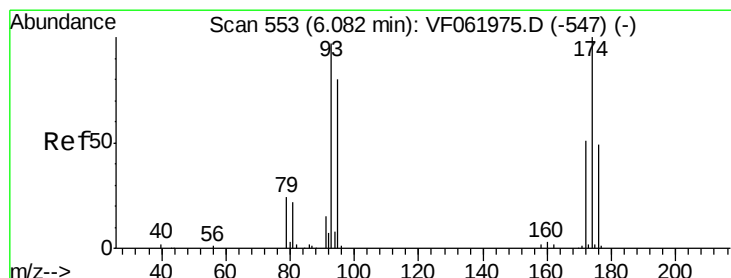
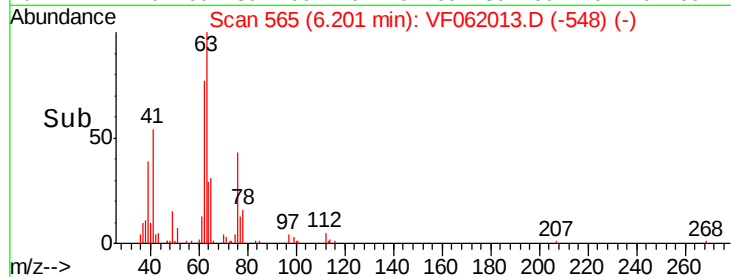
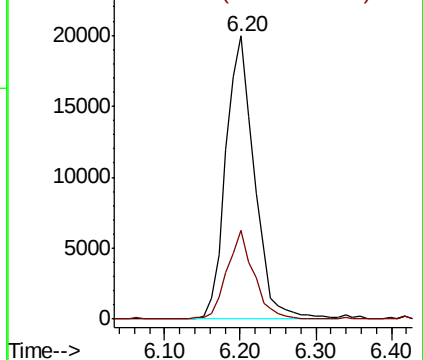
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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 21.063 ug/l

RT: 6.04 min Scan# 549

Delta R.T. -0.04 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

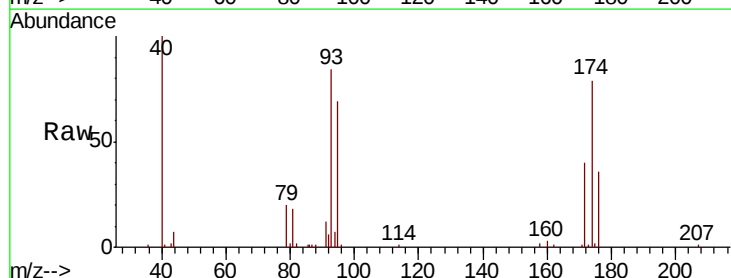
Tgt Ion: 93 Resp: 30529

Ion Ratio Lower Upper

93 100

95 82.5 65.7 98.5

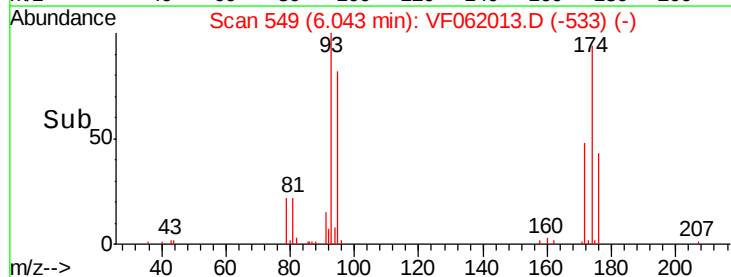
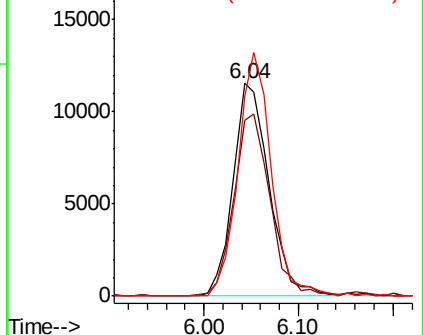
174 94.3 82.2 123.4

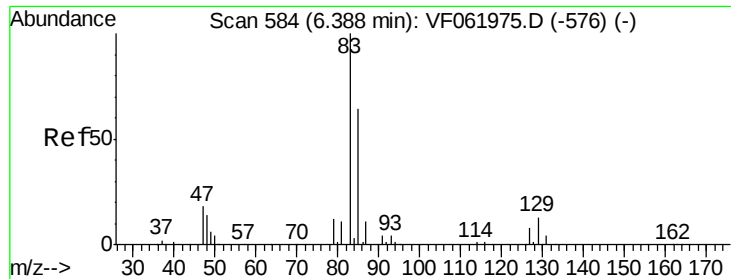


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 20.755 ug/l

RT: 6.35 min Scan# 580

Delta R.T. -0.04 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

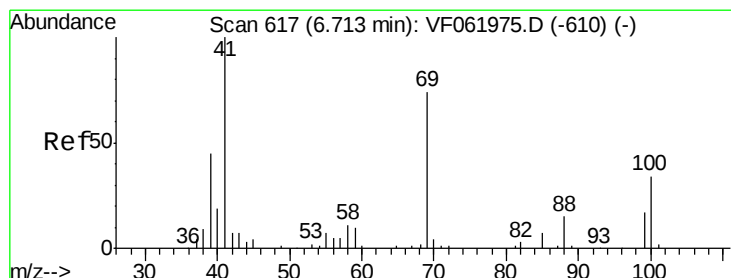
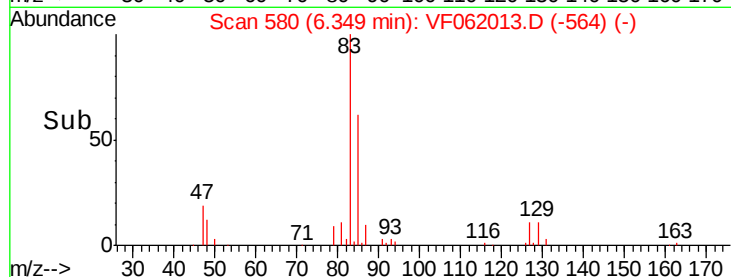
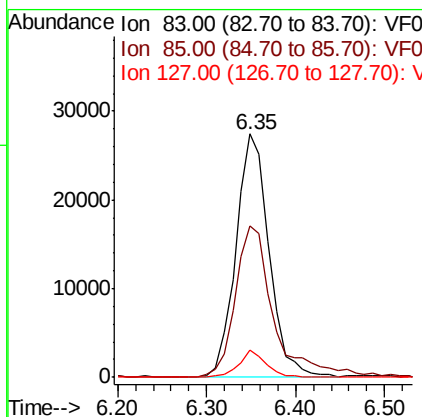
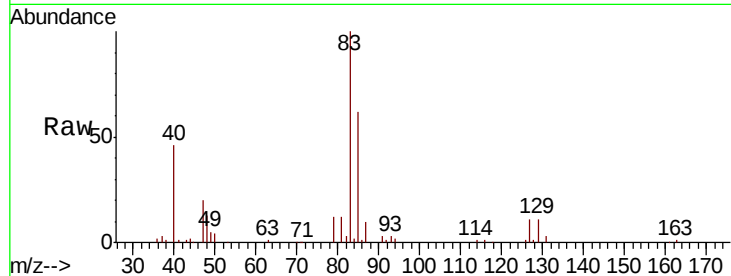
ClientSampleId :

VF0319SBS01

Tot Ion:	83	Resp:	70923
Ion Ratio	Lower	Upper	
83	100		
85	62.3	51.4	77.2
127	11.0	6.5	9.7#

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.258 ug/l

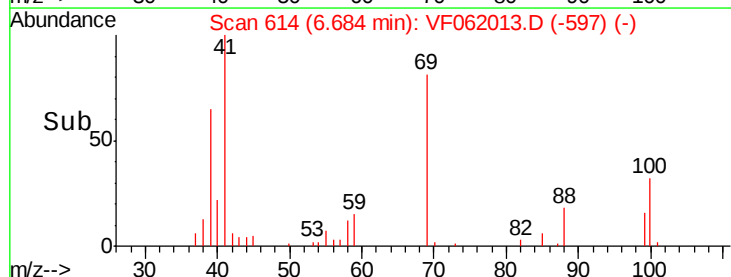
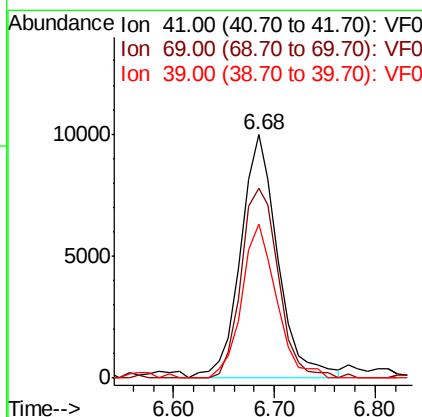
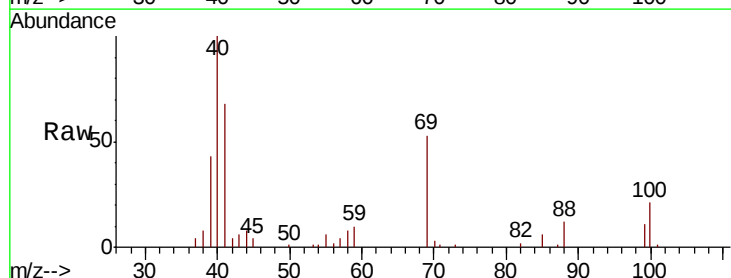
RT: 6.68 min Scan# 614

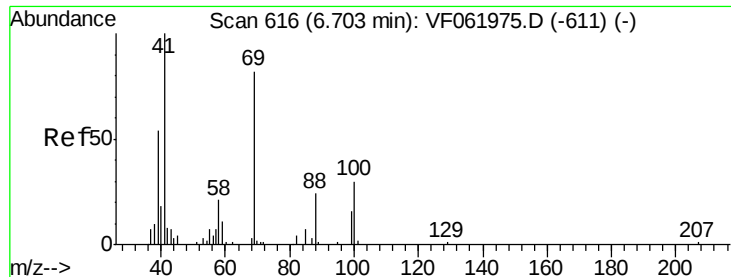
Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	41	Resp:	25691
Ion Ratio	Lower	Upper	
41	100		
69	77.9	59.0	88.6
39	63.0	35.6	53.4#





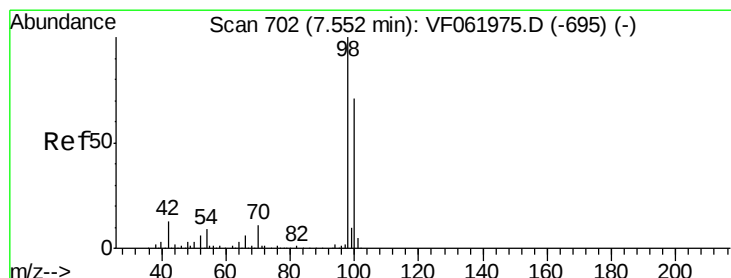
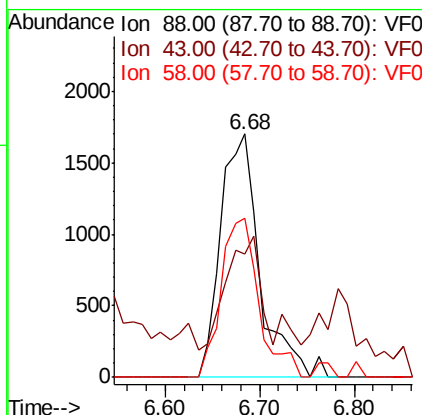
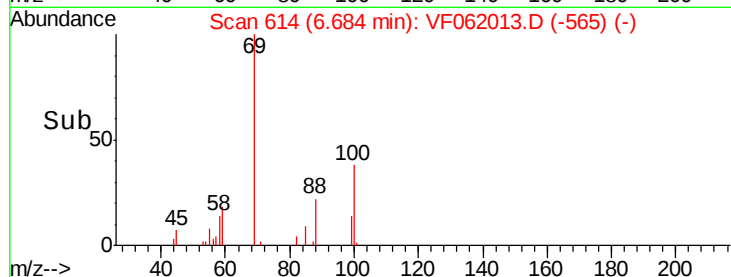
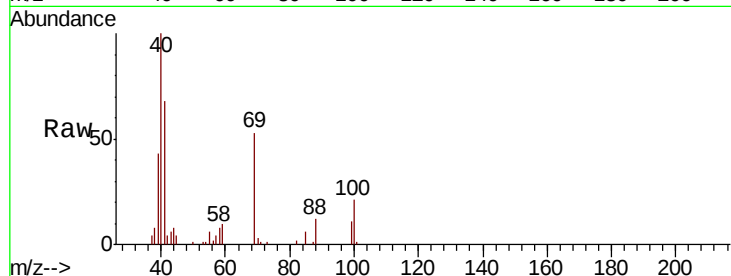
#49
1,4-Dioxane
Concen: 414.206 ug/l
RT: 6.68 min Scan# 614
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
88	100	4915		
43	50.4		31.2	46.8#
58	65.1		69.9	104.9#

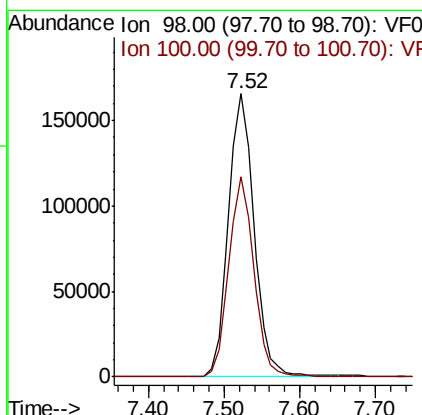
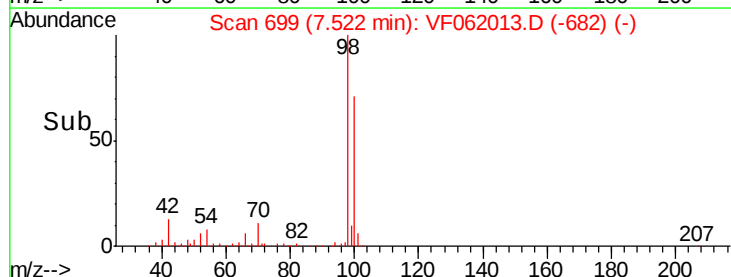
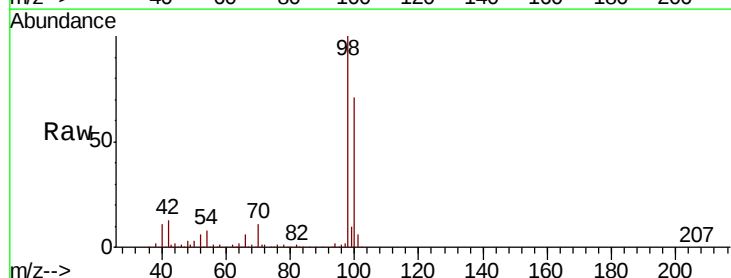
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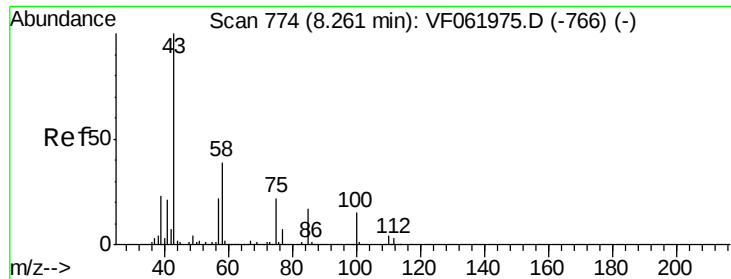
MMDadoda
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#50
Toluene-d8
Concen: 46.230 ug/l
RT: 7.52 min Scan# 699
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	390463		
100	70.7		56.8	85.2





#51

4-Methyl-2-Pentanone

Concen: 101.228 ug/l

RT: 8.23 min Scan# 771

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 43 Resp: 148374

Ion Ratio Lower Upper

43 100

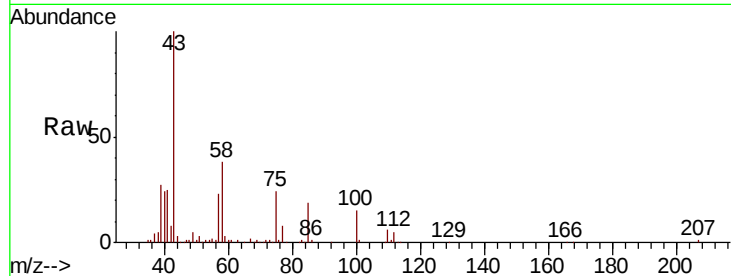
58 38.2 31.1 46.7

Manual Integrations

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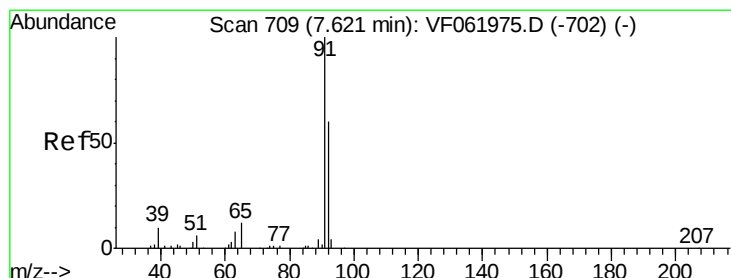
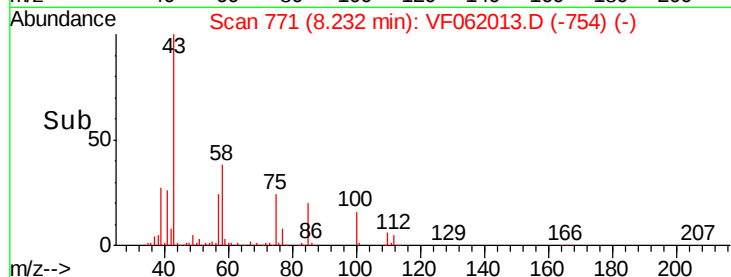
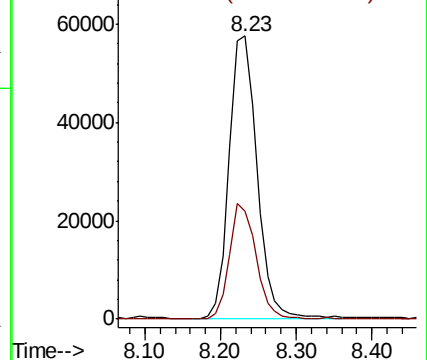
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 20.918 ug/l

RT: 7.59 min Scan# 706

Delta R.T. -0.03 min

Lab File: VF062013.D

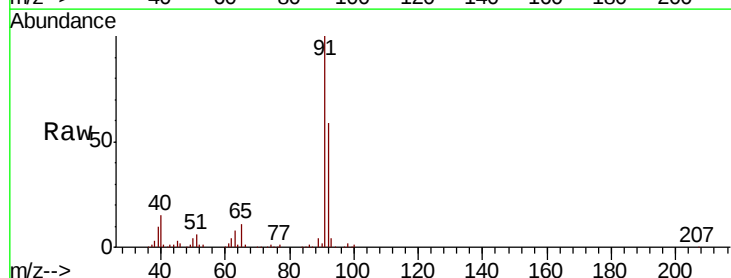
Acq: 19 Mar 2019 12:50

Tgt Ion: 92 Resp: 131582

Ion Ratio Lower Upper

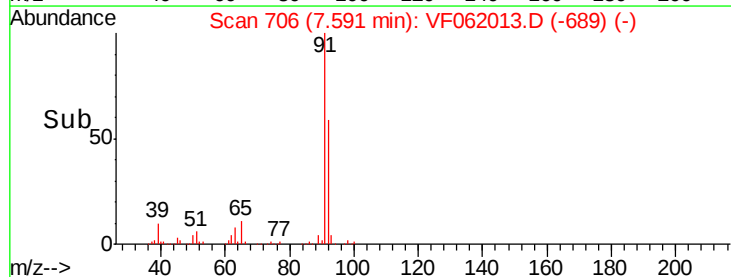
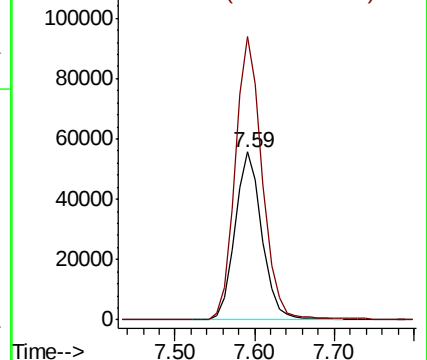
92 100

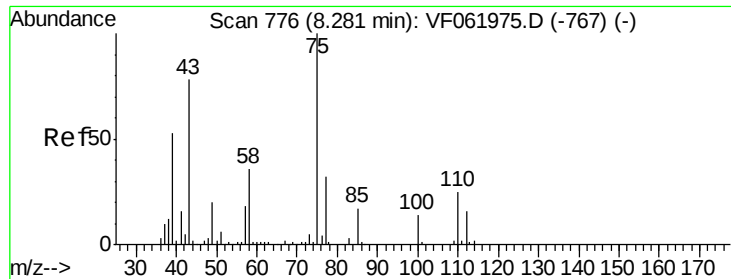
91 168.6 134.0 201.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





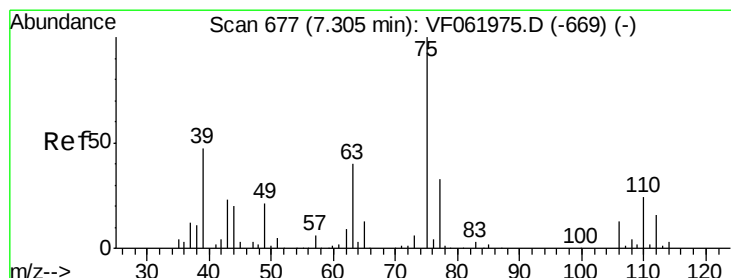
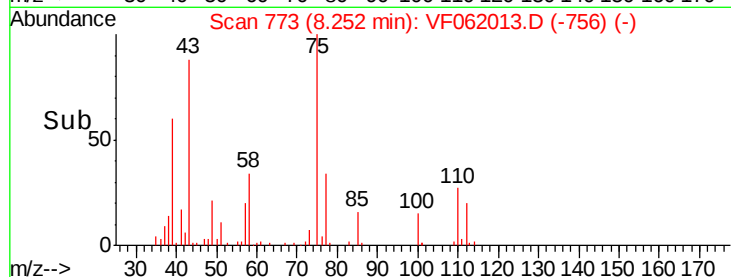
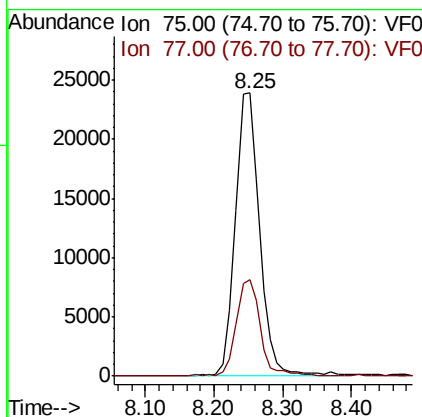
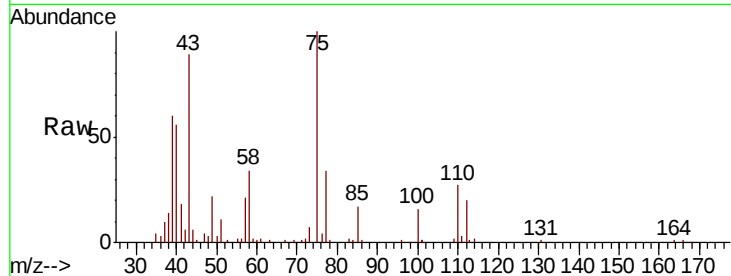
#53
 t-1,3-Dichloropropene
 Concen: 20.359 ug/l
 RT: 8.25 min Scan# 773
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	34.1	25.5	38.3

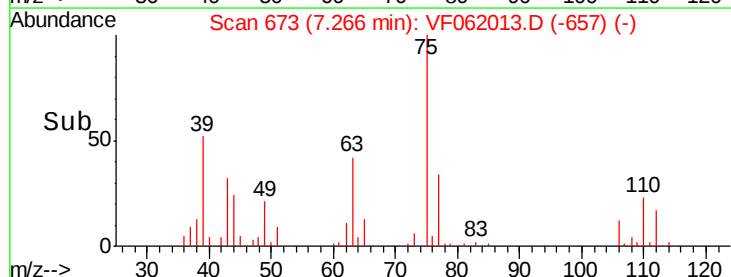
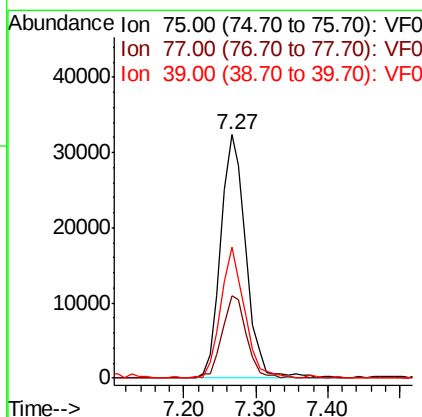
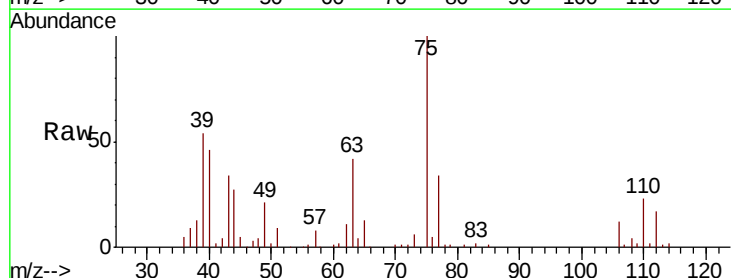
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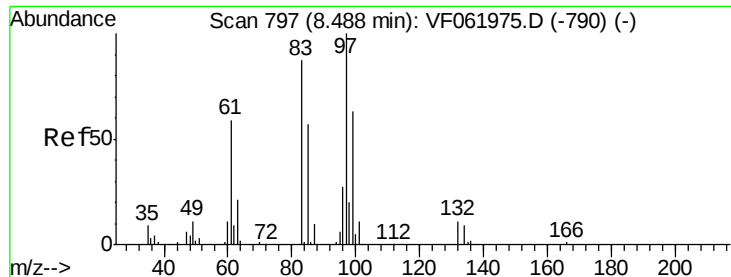
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#54
 cis-1,3-Dichloropropene
 Concen: 20.742 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.04 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.9	26.4	39.6
39	53.8	38.0	57.0





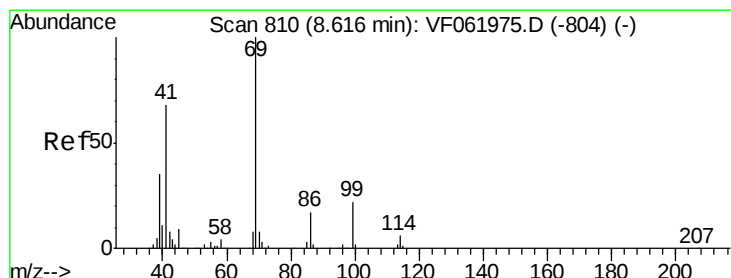
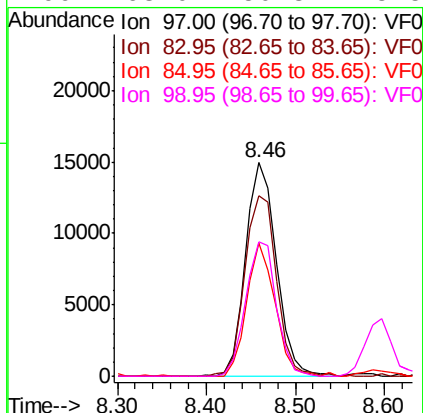
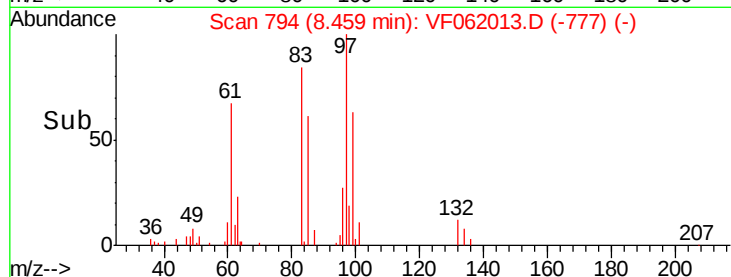
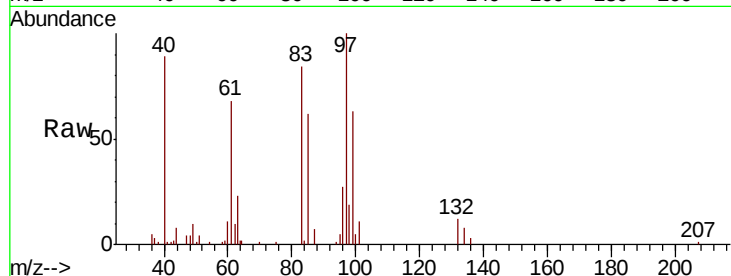
#55
 1,1,2-Trichloroethane
 Concen: 20.359 ug/l
 RT: 8.46 min Scan# 794
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.4	69.7	104.5
85	62.4	45.8	68.6
99	63.0	50.3	75.5

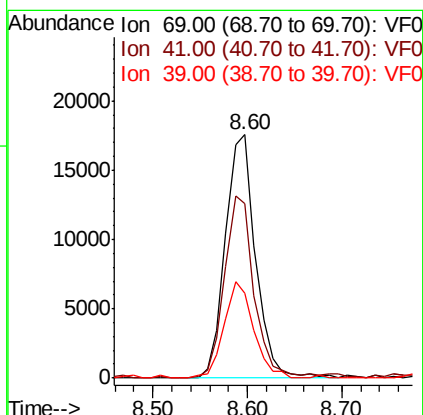
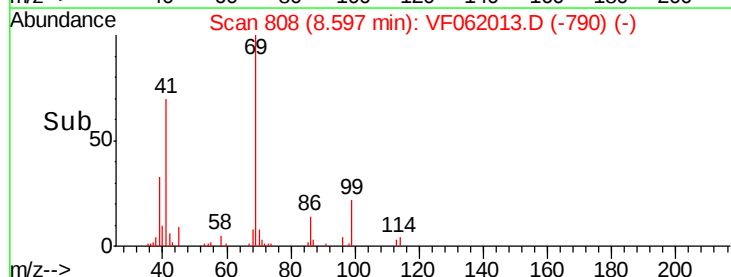
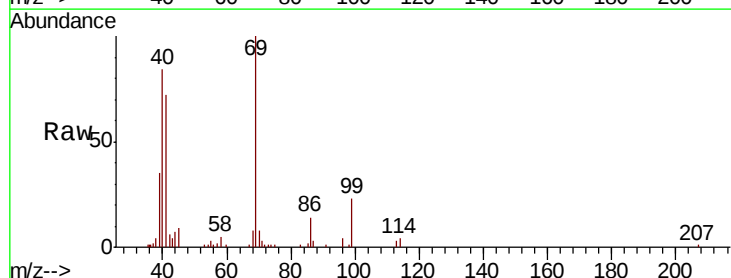
Manual Integrations
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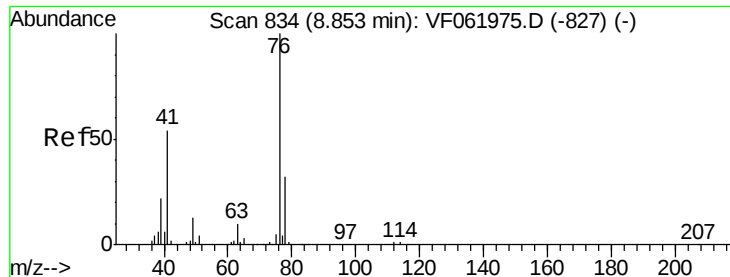
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#56
 Ethyl methacrylate
 Concen: 19.507 ug/l
 RT: 8.60 min Scan# 808
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.6	54.7	82.1
39	34.8	27.9	41.9





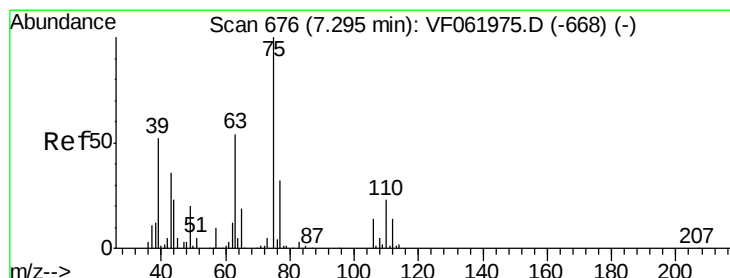
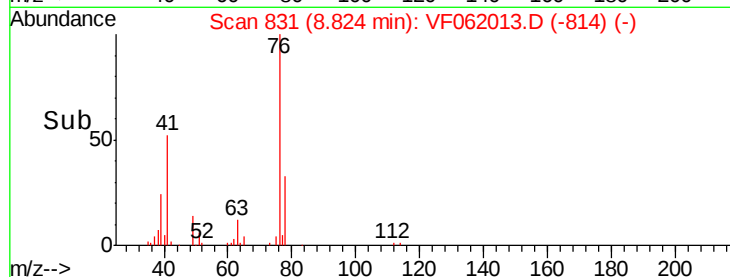
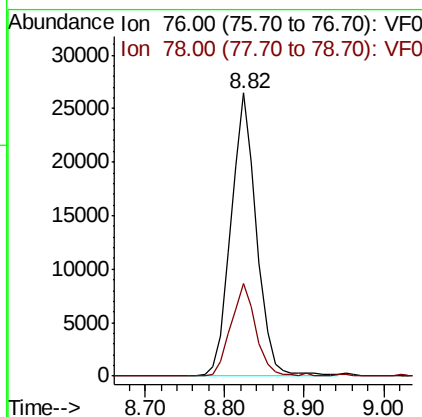
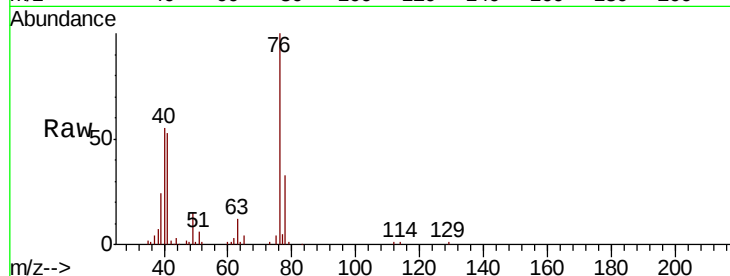
#57
 1,3-Dichloropropane
 Concen: 20.297 ug/l
 RT: 8.82 min Scan# 831
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion: 76 Resp: 59442
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.4 38.2

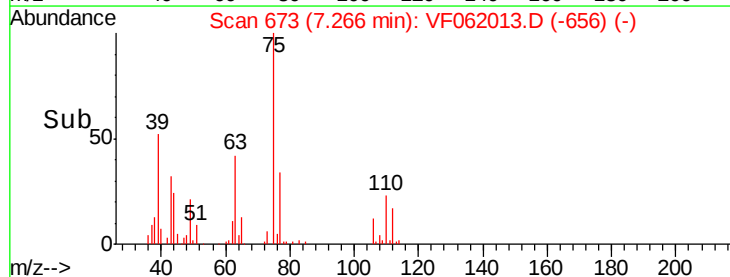
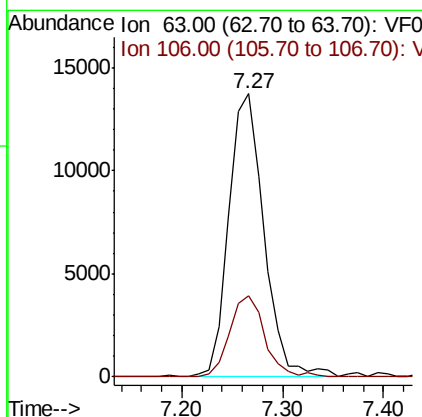
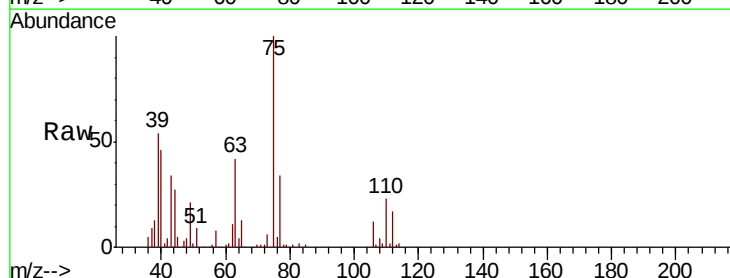
Manual Integrations
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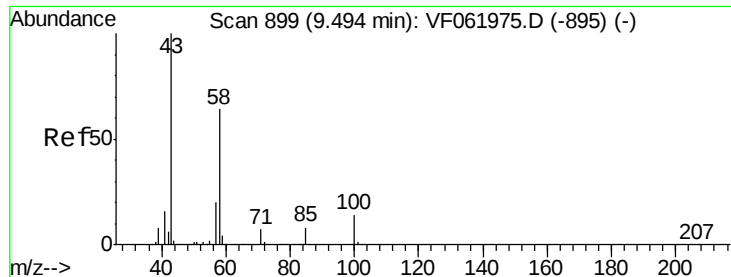
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 92.142 ug/l
 RT: 7.27 min Scan# 673
 Delta R.T. -0.03 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion: 63 Resp: 33308
 Ion Ratio Lower Upper
 63 100
 106 28.7 20.9 31.3





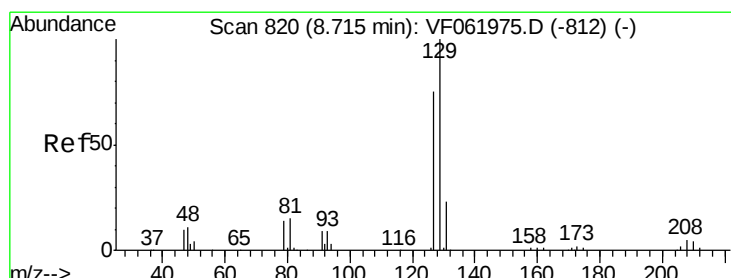
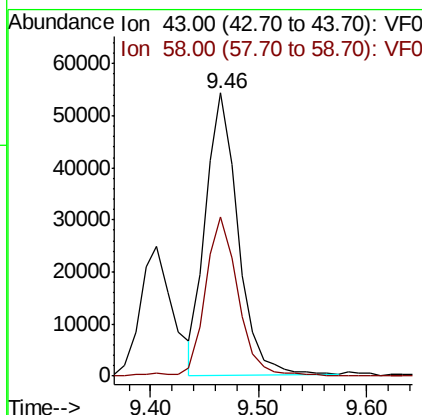
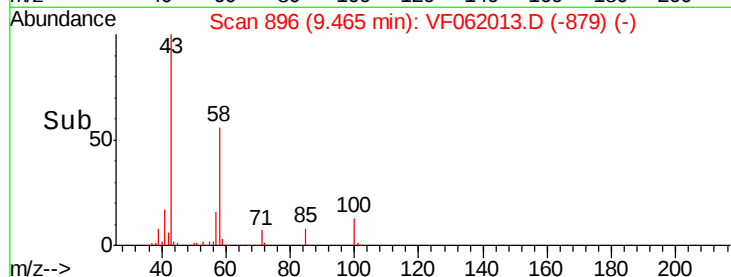
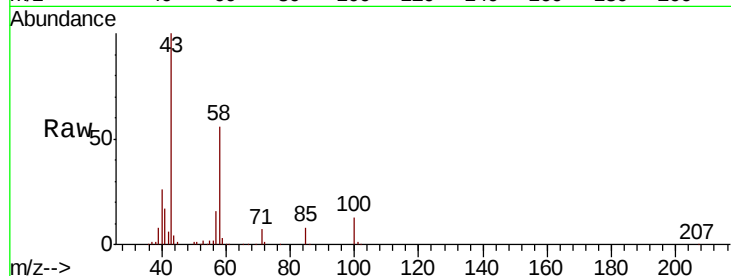
#59
2-Hexanone
Concen: 106.227 ug/l
RT: 9.46 min Scan# 896
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion: 43 Resp: 112682
Ion Ratio Lower Upper
43 100
58 56.2 28.4 85.2

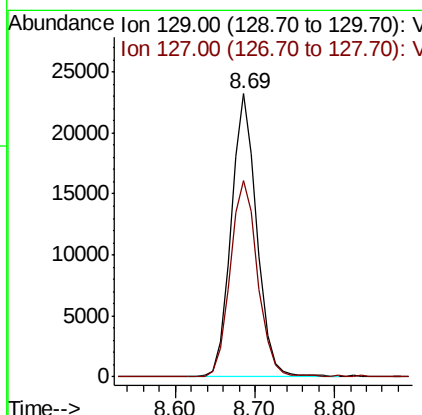
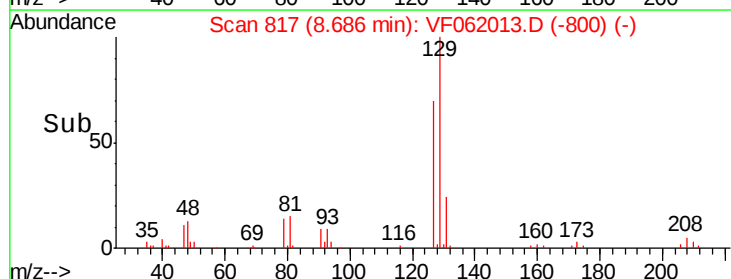
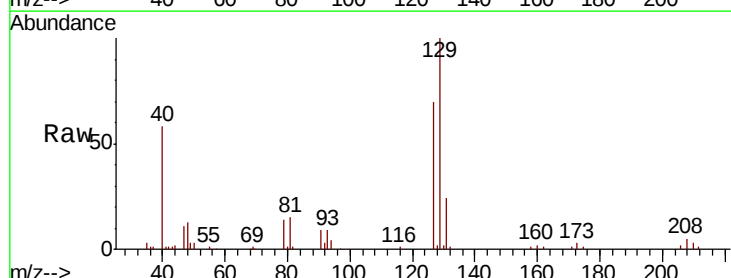
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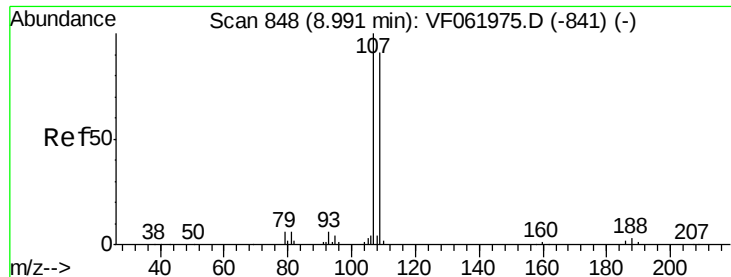
MMDadoda
3/22/2019 4:54:06 PM



#60
Dibromochloromethane
Concen: 21.364 ug/l
RT: 8.69 min Scan# 817
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion: 129 Resp: 52071
Ion Ratio Lower Upper
129 100
127 69.6 37.3 111.8





#61

1,2-Dibromoethane

Concen: 20.708 ug/l

RT: 8.96 min Scan# 845

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 107 Resp: 38997

Ion Ratio Lower Upper

107 100

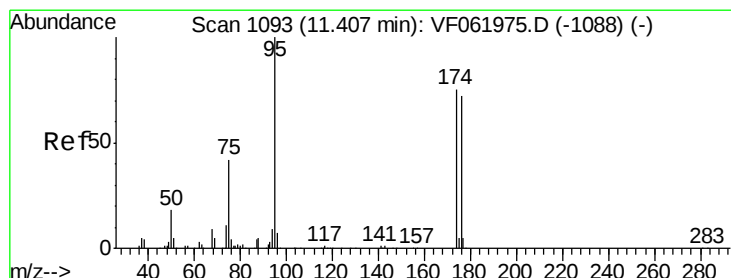
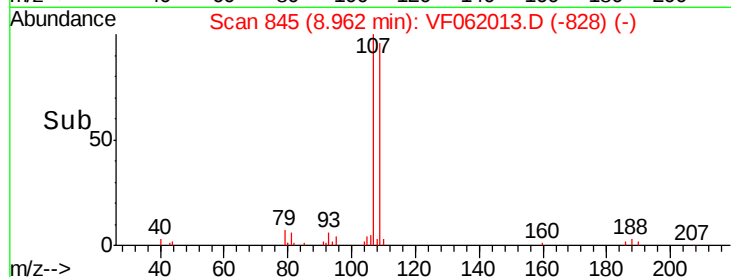
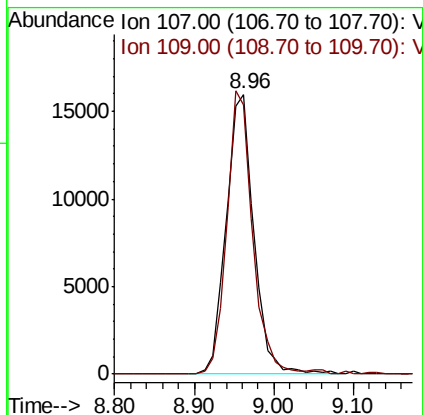
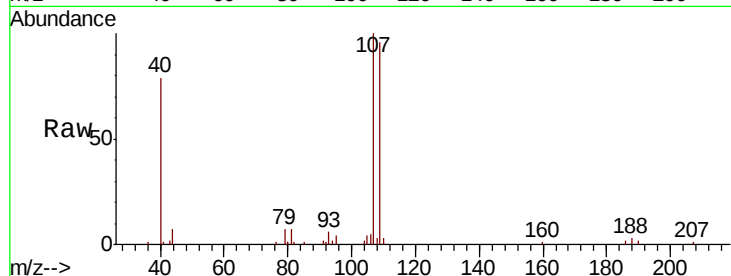
109 96.2 72.8 109.2

Manual Integrations

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3/22/2019 4:54:06 PM



#62

4-Bromofluorobenzene

Concen: 46.762 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

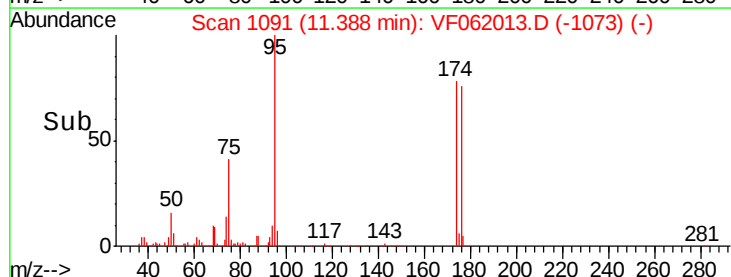
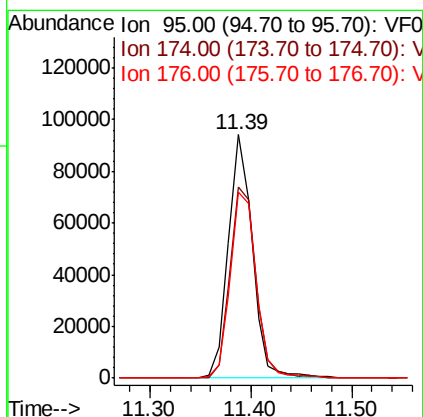
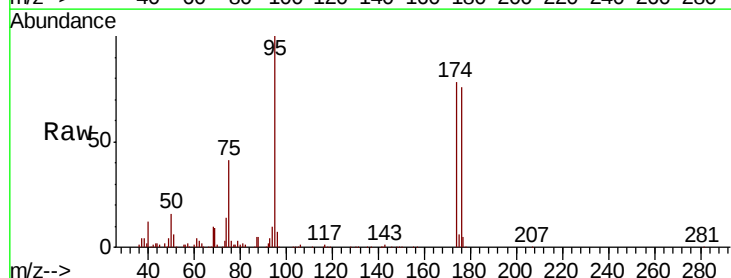
Tgt Ion: 95 Resp: 156899

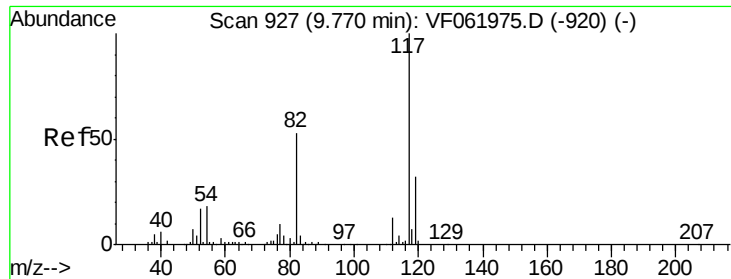
Ion Ratio Lower Upper

95 100

174 78.3 0.0 149.4

176 76.2 0.0 143.4





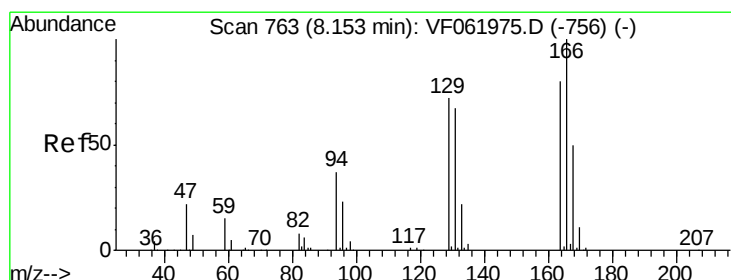
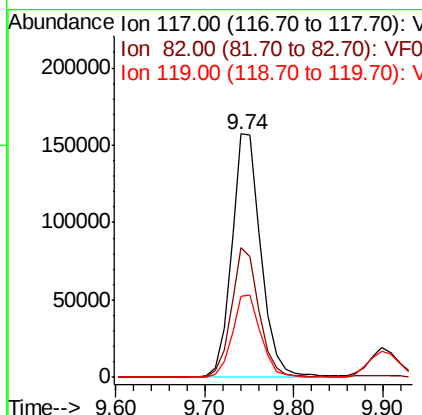
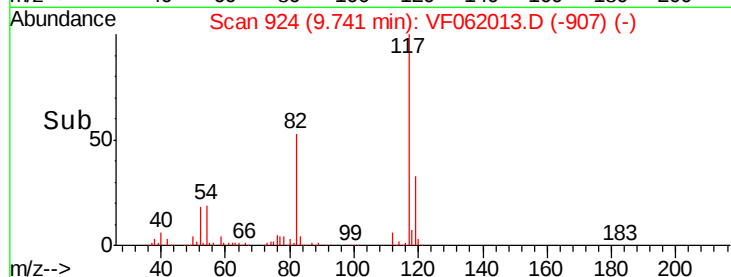
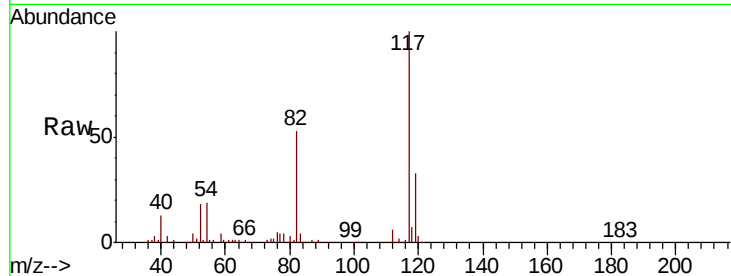
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.74 min Scan# 924
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	360757		
82	53.0		42.5	63.7
119	33.1		25.4	38.0

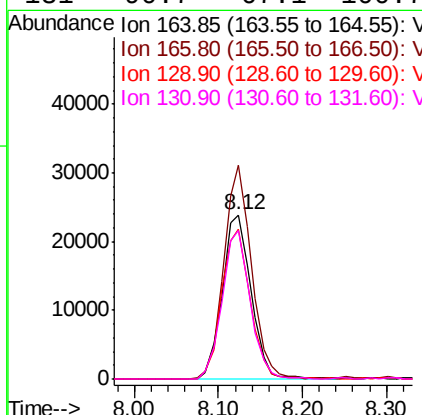
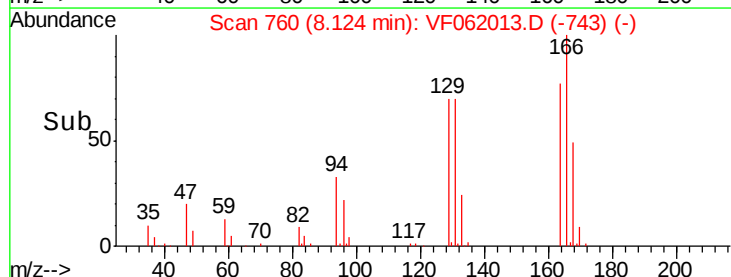
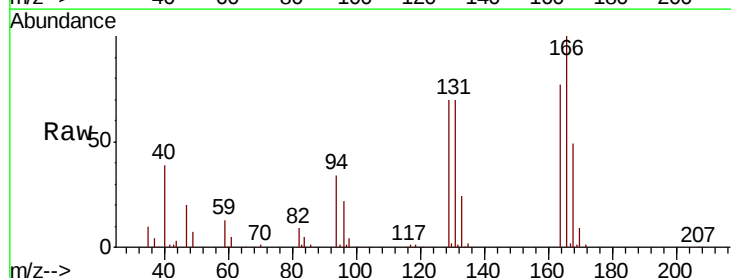
Manual Integrations
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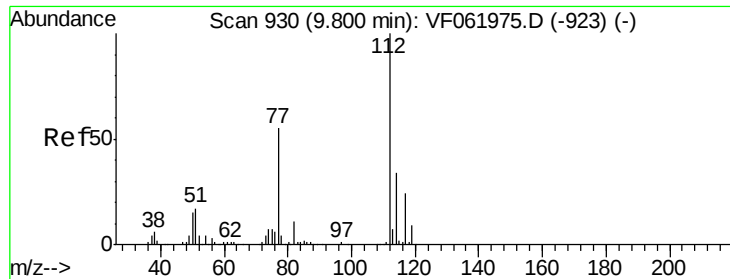
MMDadoda
3/22/2019 4:54:06 PM



#64
Tetrachloroethene
Concen: 21.556 ug/l
RT: 8.12 min Scan# 760
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	56526		
166	130.2		100.0	150.0
129	90.9		72.4	108.6
131	90.7		67.1	100.7





#65

Chlorobenzene

Concen: 21.125 ug/l

RT: 9.77 min Scan# 927

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBSD01

Tot Ion:112 Resp: 141888

Ion Ratio Lower Upper

112 100

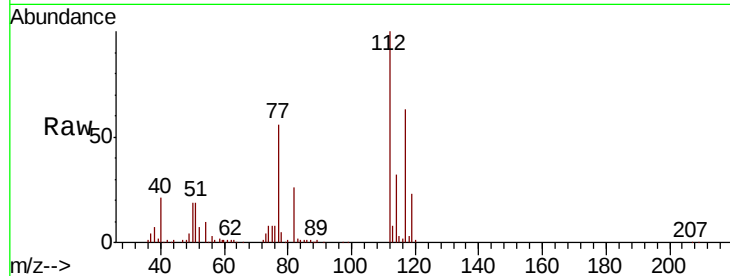
114 31.7 26.9 40.3

Manual Integrations

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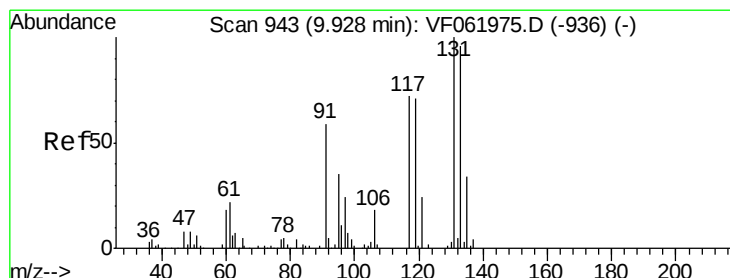
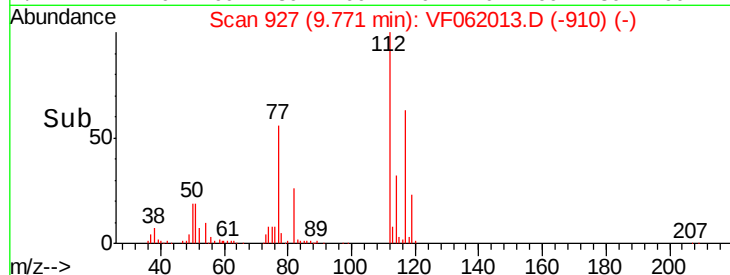
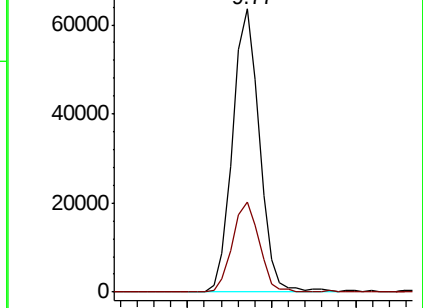
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 22.434 ug/l

RT: 9.90 min Scan# 940

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

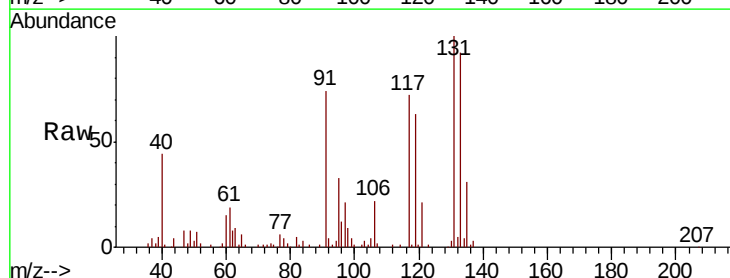
Tgt Ion:131 Resp: 58407

Ion Ratio Lower Upper

131 100

133 92.1 48.0 144.2

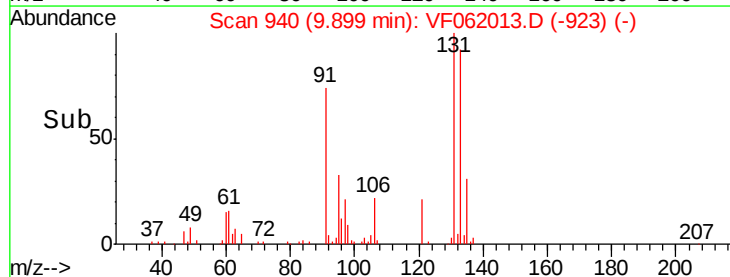
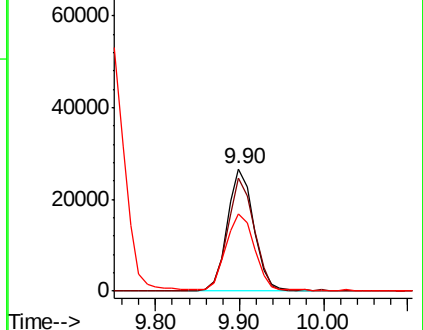
119 63.3 35.9 107.7

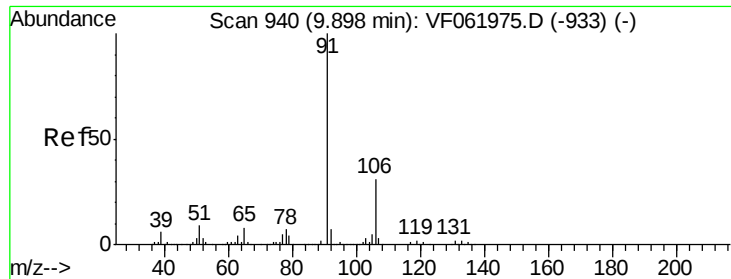


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 21.273 ug/l

RT: 9.87 min Scan# 937

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBS01

Tot Ion: 91 Resp: 244644

Ion Ratio Lower Upper

91 100

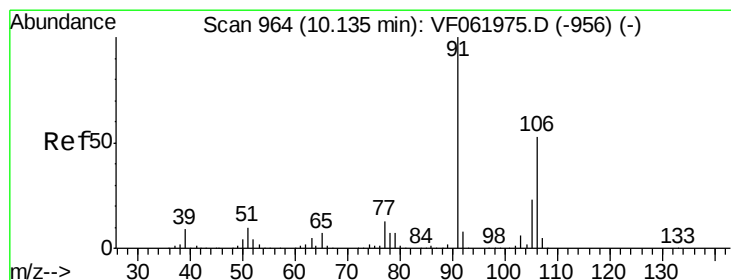
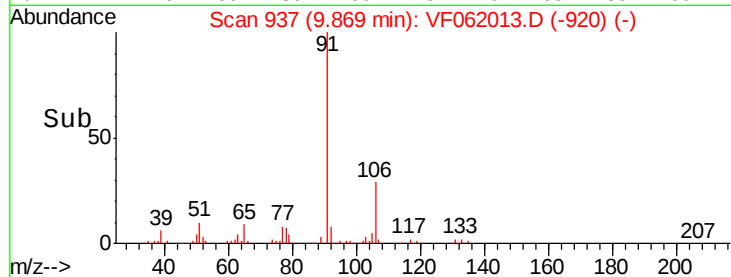
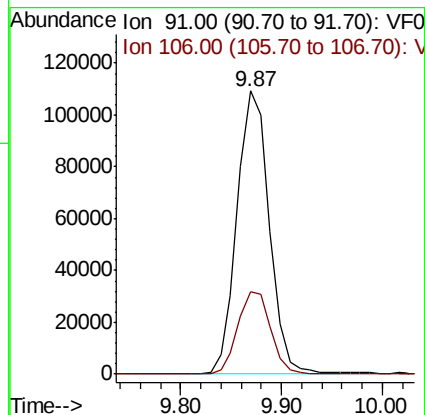
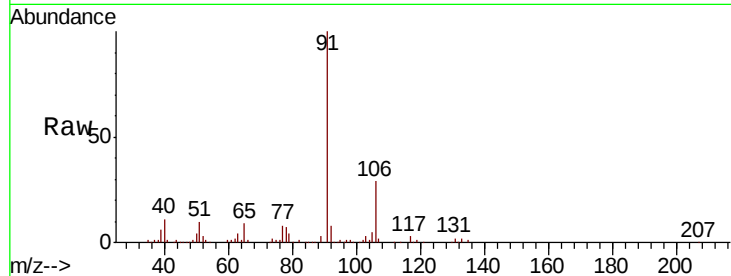
106 29.0 24.4 36.6

Manual Integrations

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3/22/2019 4:54:06 PM



#68

m/p-Xylenes

Concen: 44.596 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.03 min

Lab File: VF062013.D

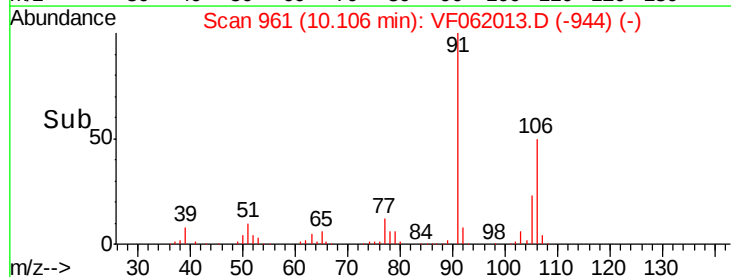
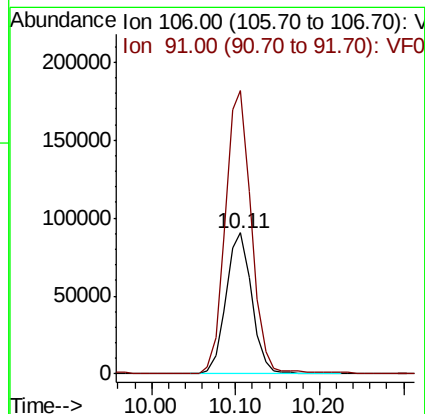
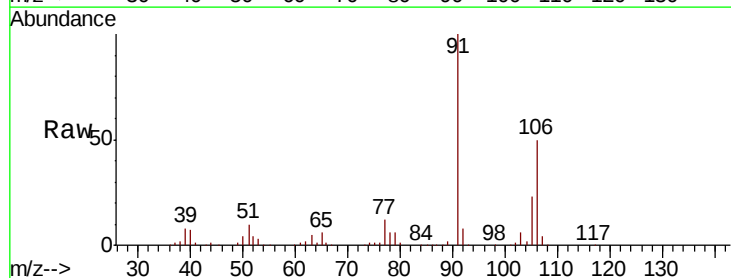
Acq: 19 Mar 2019 12:50

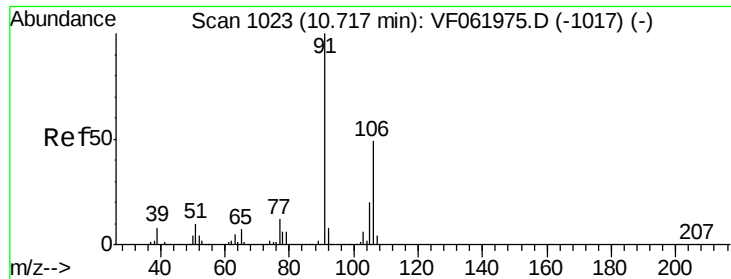
Tgt Ion:106 Resp: 192895

Ion Ratio Lower Upper

106 100

91 200.8 151.9 227.9





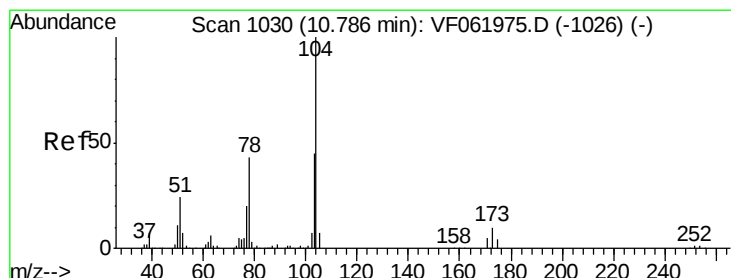
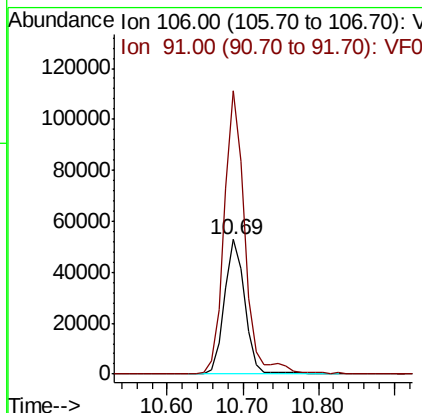
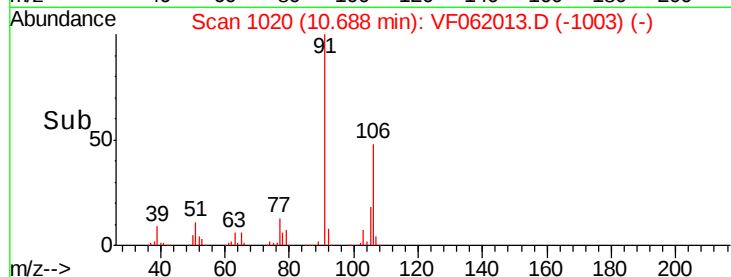
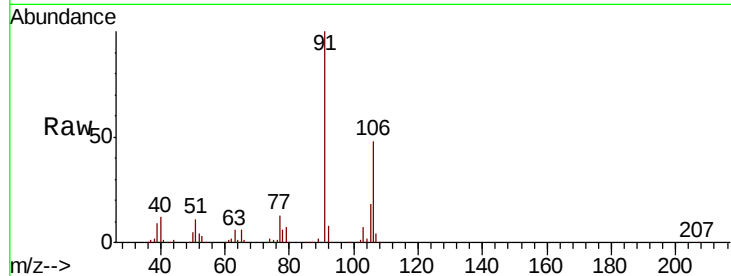
#69
o-Xylene
Concen: 21.403 ug/l
RT: 10.69 min Scan# 1020
Delta R.T. -0.03 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.2	102.3	99058	306.8	

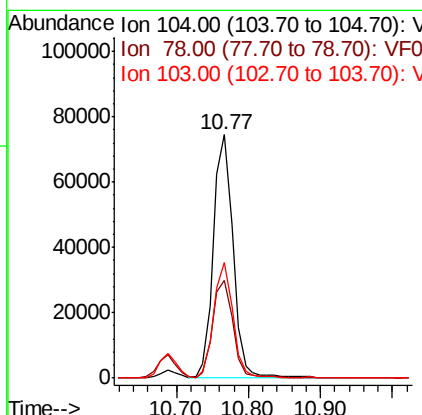
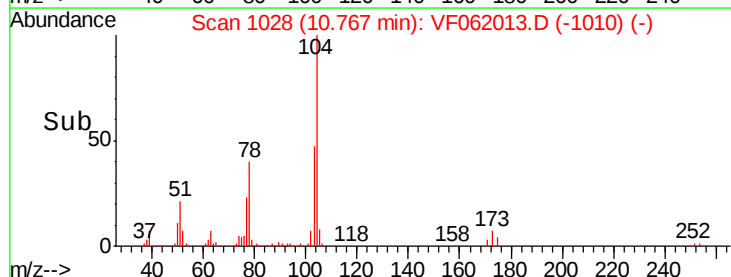
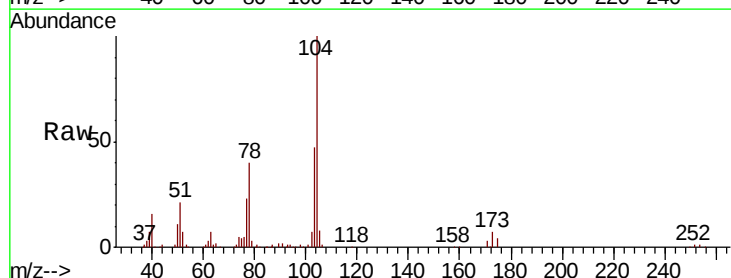
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#70
Styrene
Concen: 21.761 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	40.1	34.7	139533	52.1	
103	47.4	36.6		54.8	





#71

Bromoform

Concen: 21.839 ug/l

RT: 10.75 min Scan# 1026

Delta R.T. -0.03 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

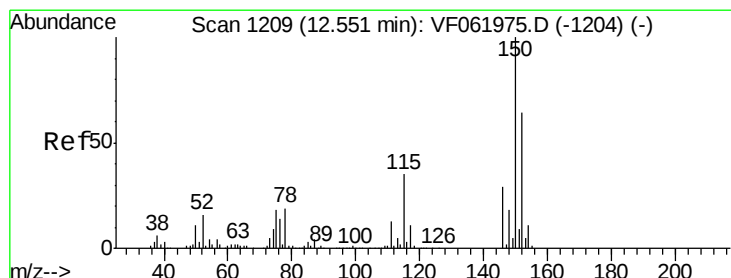
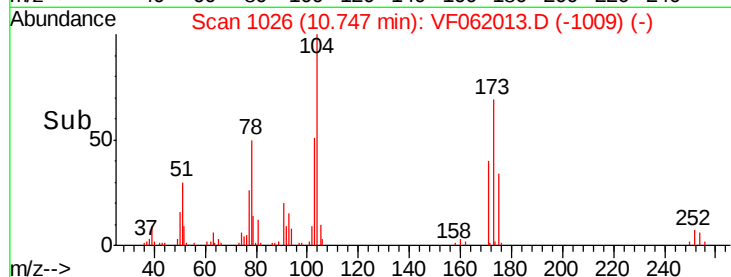
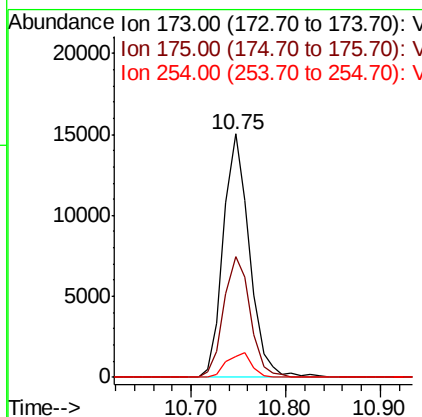
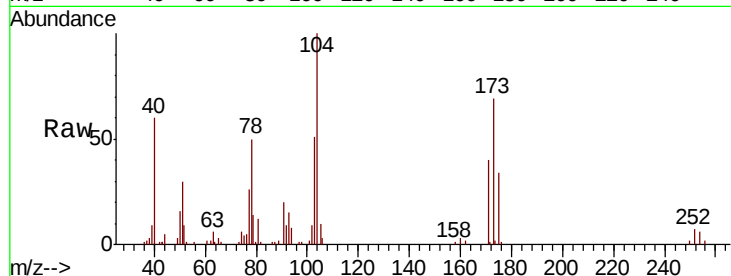
ClientSampleId :

VF0319SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	23.7	71.1
254	8.5	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

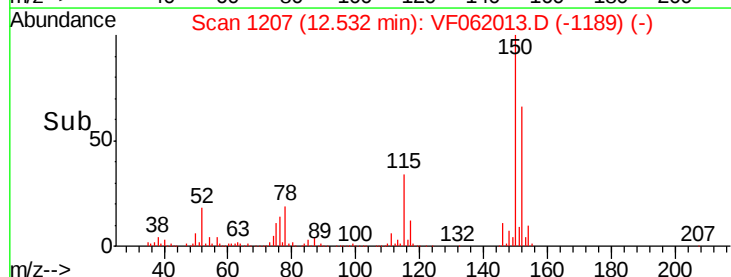
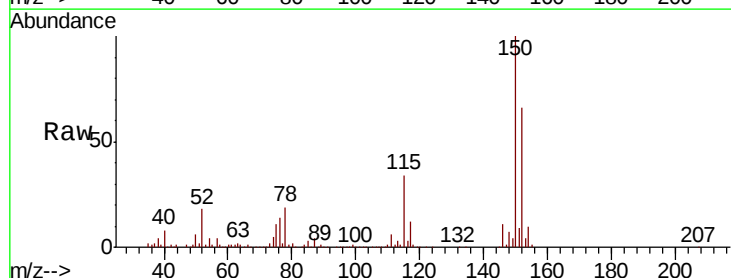
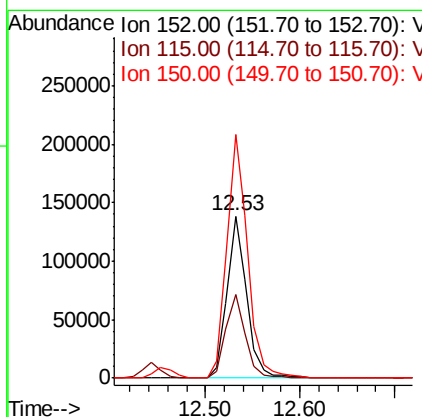
RT: 12.53 min Scan# 1207

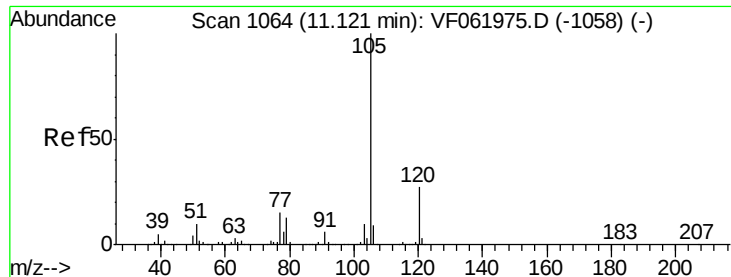
Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	51.3	27.3	81.9
150	150.4	0.0	316.2





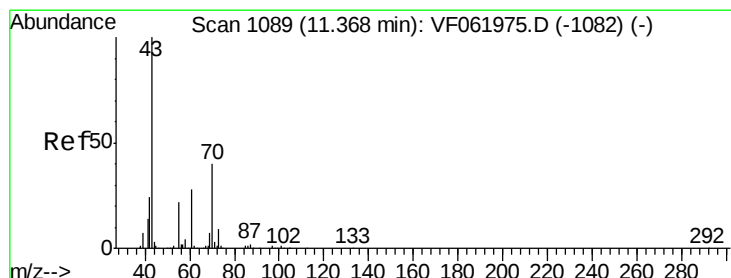
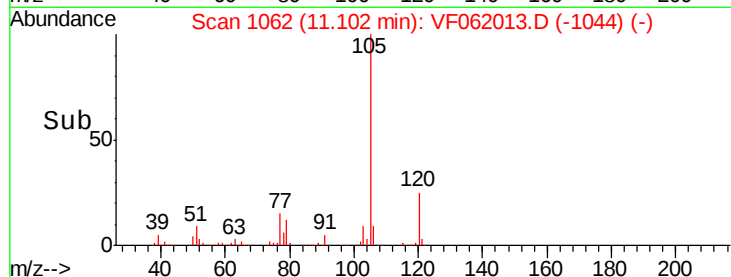
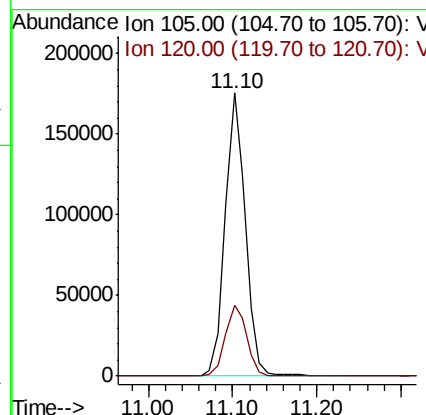
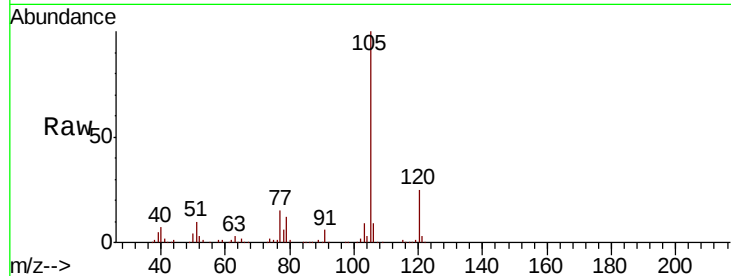
#73
Isopropylbenzene
Concen: 21.433 ug/l
RT: 11.10 min Scan# 1062
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	13.8	41.3

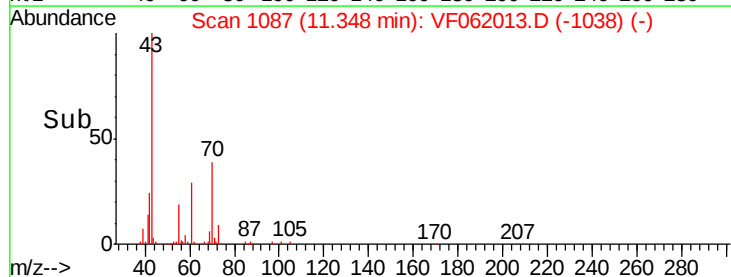
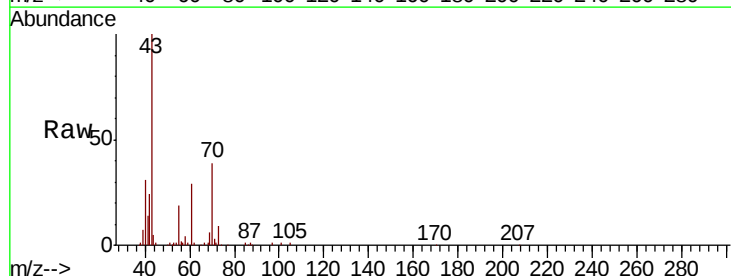
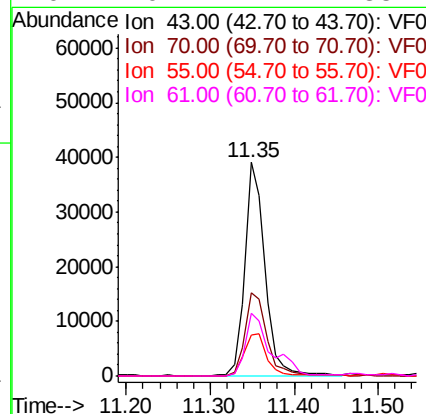
Manual Integrations
APPROVED

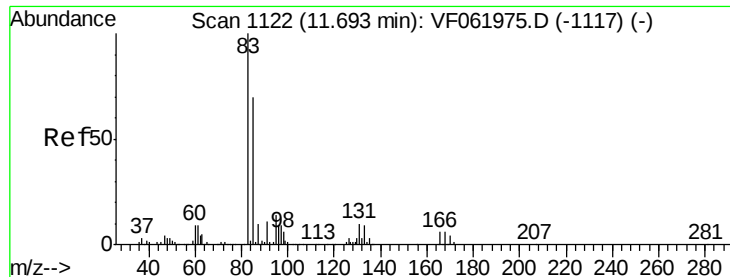
MMDadoda
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#74
N-ethyl acetate
Concen: 20.868 ug/l
RT: 11.35 min Scan# 1087
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.9	47.9
55	19.1	17.9	26.9
61	29.2	22.2	33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.193 ug/l

RT: 11.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

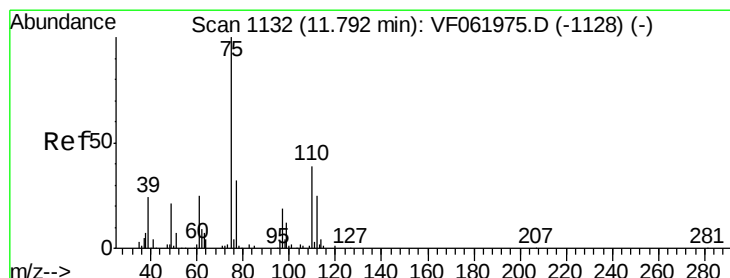
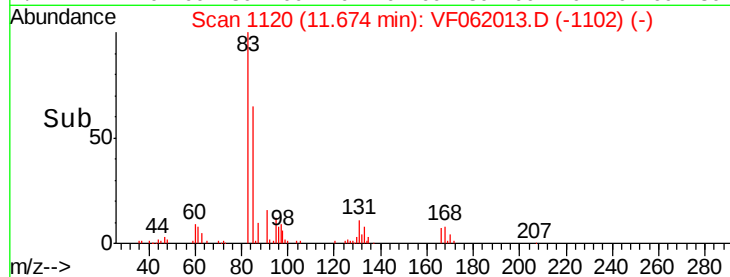
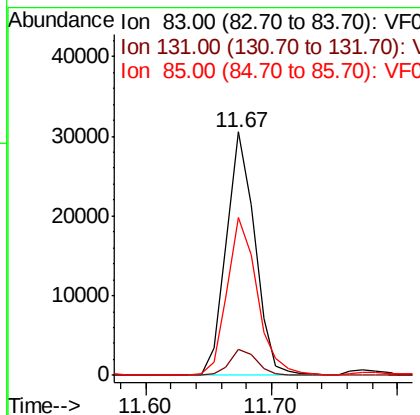
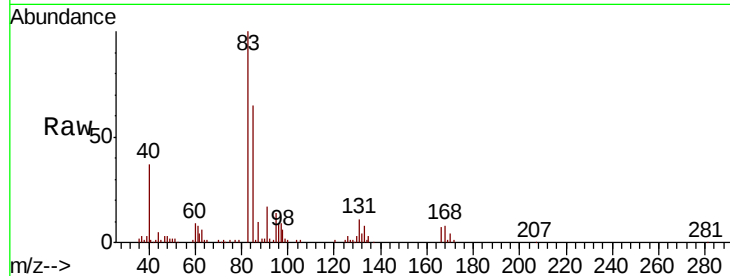
ClientSampleId :

VF0319SBS01

Tot Ion:	83	Resp:	47838
Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.9	14.7
85	65.1	35.3	105.9

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#76

1,2,3-Trichloropropane

Concen: 19.901 ug/l

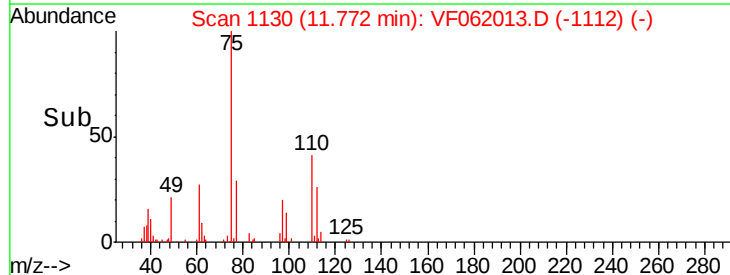
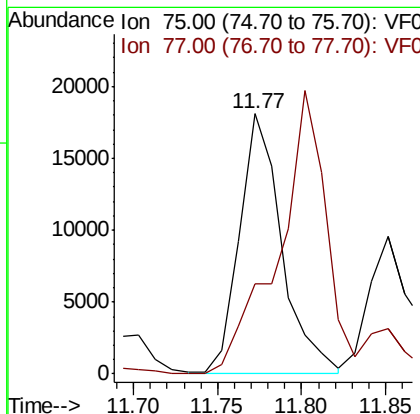
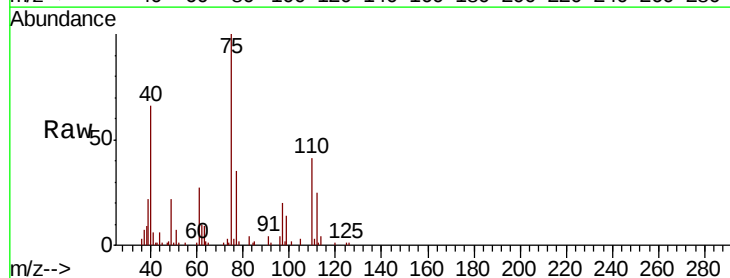
RT: 11.77 min Scan# 1130

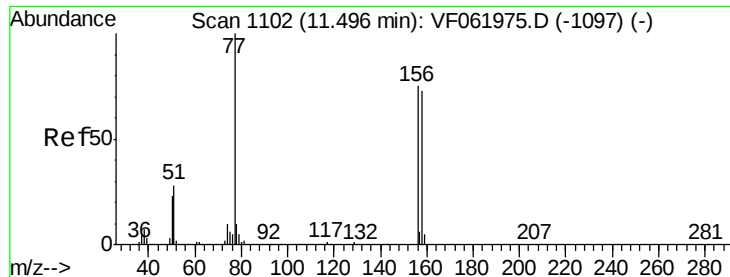
Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	75	Resp:	31411
Ion	Ratio	Lower	Upper
75	100		
77	34.8	16.4	49.2





#77

Bromobenzene

Concen: 21.144 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

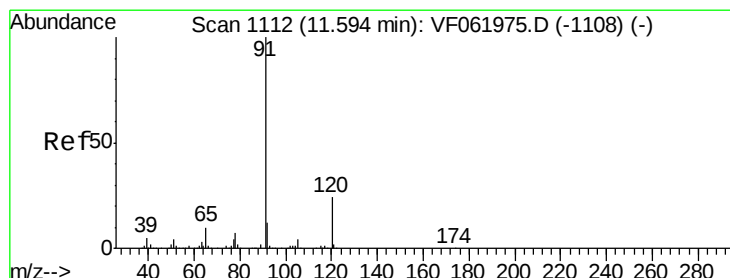
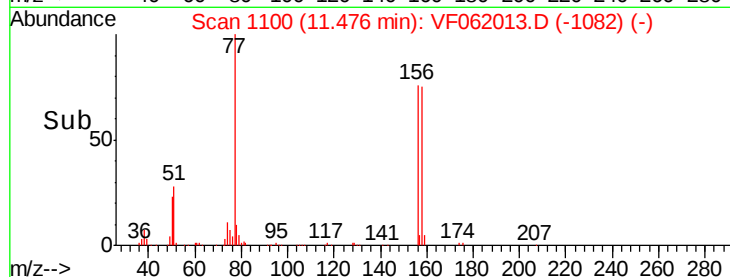
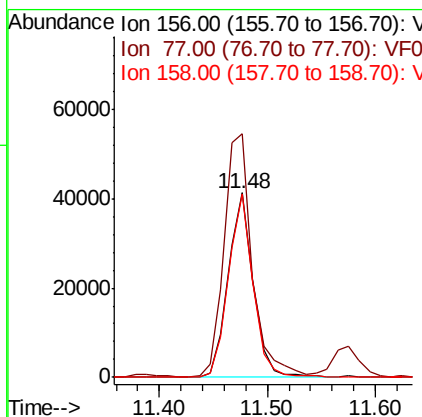
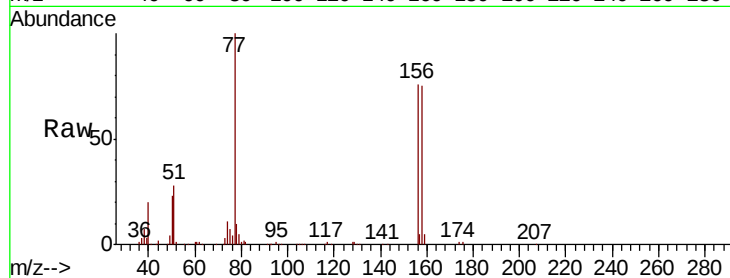
ClientSampleId :

VF0319SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		66962		
77	132.0		67.0	201.0	
158	99.2		48.9	146.7	

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#78

n-propylbenzene

Concen: 20.908 ug/l

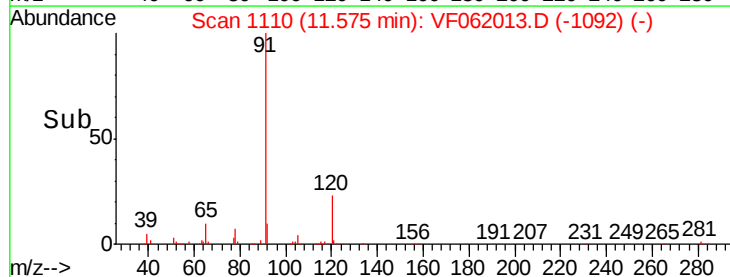
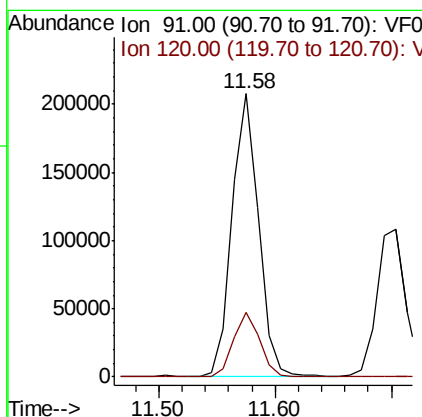
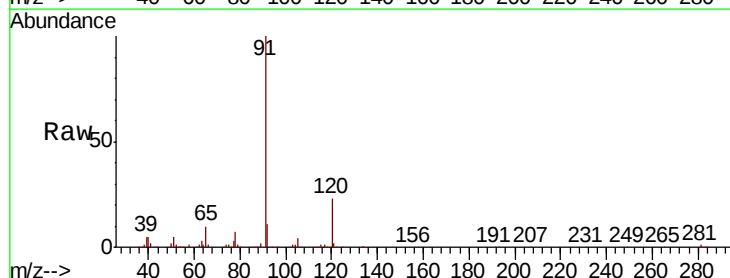
RT: 11.58 min Scan# 1110

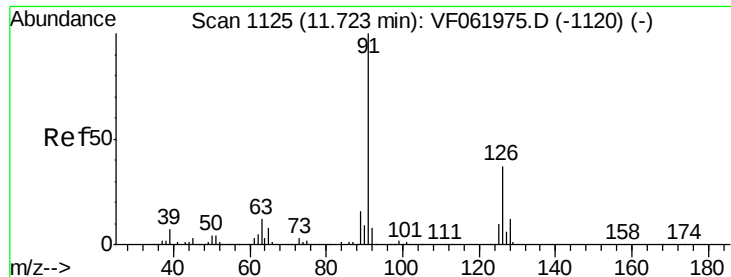
Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		328766		
120	22.9		11.8	35.3	





#79

2-Chlorotoluene

Concen: 20.827 ug/l

RT: 11.70 min Scan# 1123

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

ClientSampleId :

VF0319SBSD01

Tot Ion: 91 Resp: 184850

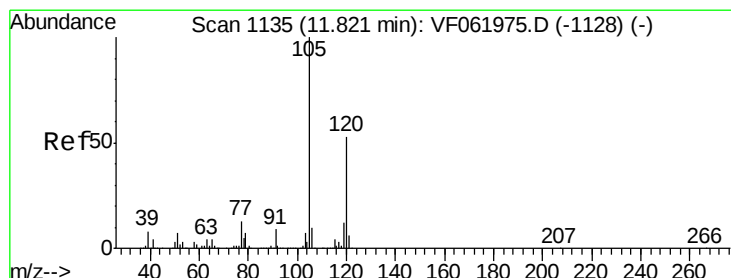
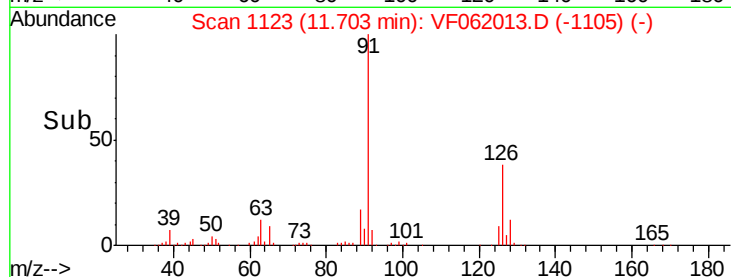
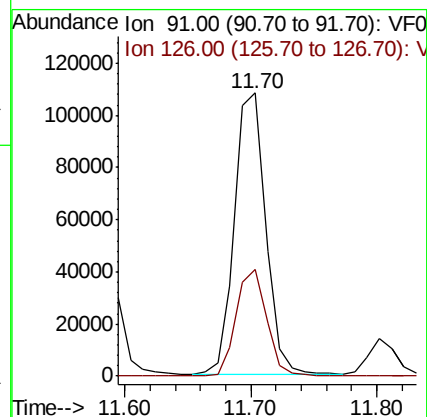
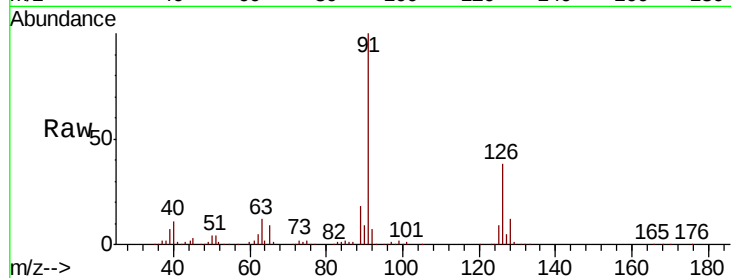
Ion Ratio Lower Upper

91 100

126 37.6 18.4 55.2

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3/22/2019 4:54:06 PM



#80

1,3,5-Trimethylbenzene

Concen: 20.748 ug/l

RT: 11.80 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF062013.D

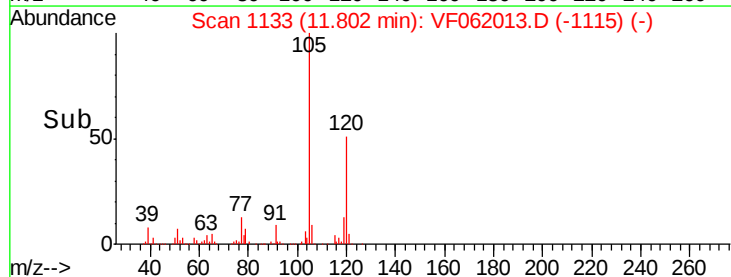
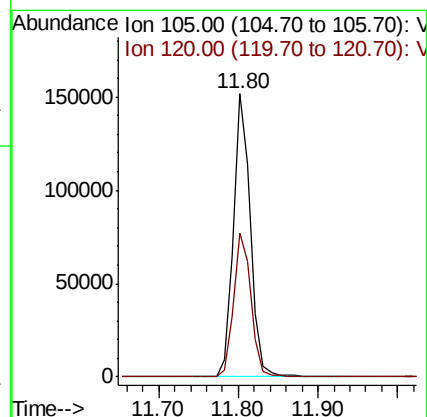
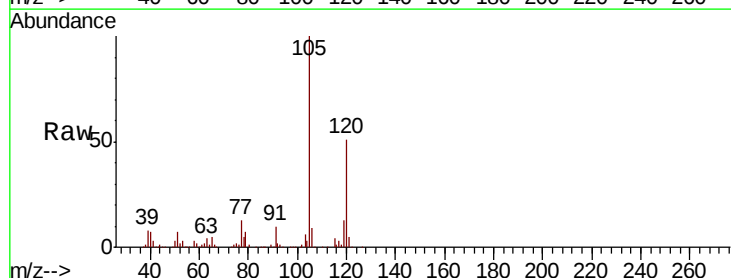
Acq: 19 Mar 2019 12:50

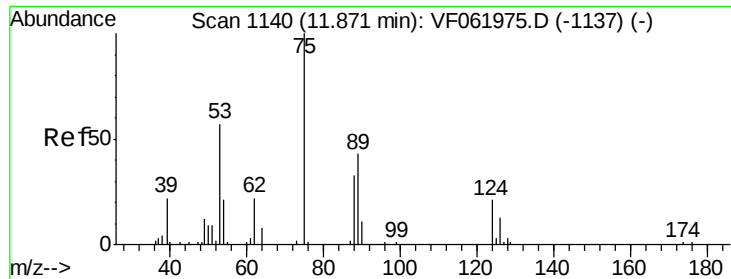
Tgt Ion: 105 Resp: 229196

Ion Ratio Lower Upper

105 100

120 51.0 26.6 79.7





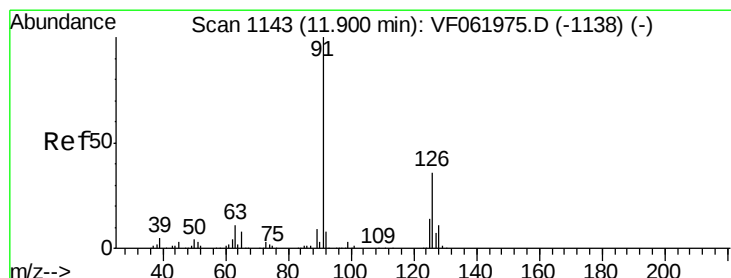
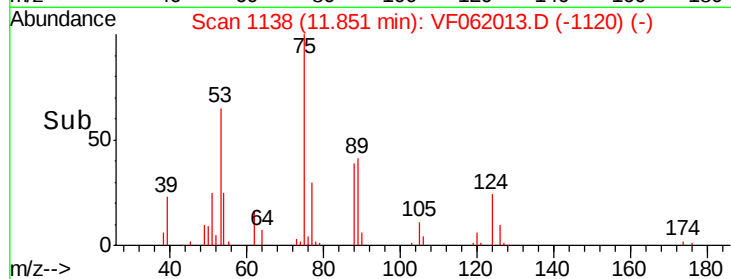
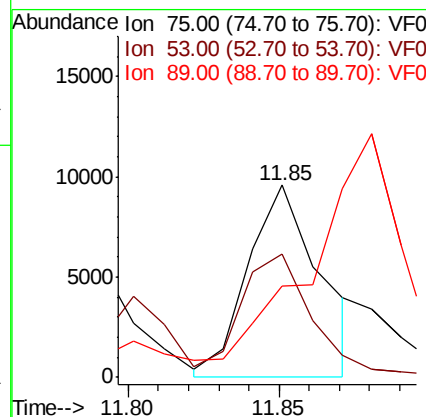
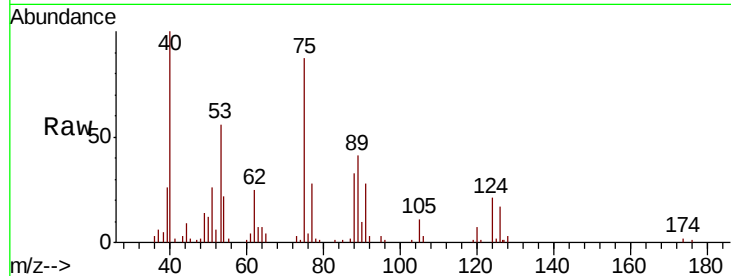
#81
trans-1,4-Dichloro-2-butene
Concen: 22.838 ug/l m
RT: 11.85 min Scan# 1138
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	64.4	49.0	73.6
89	47.3	37.1	55.7

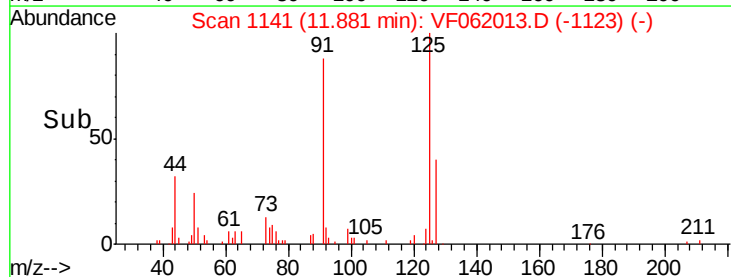
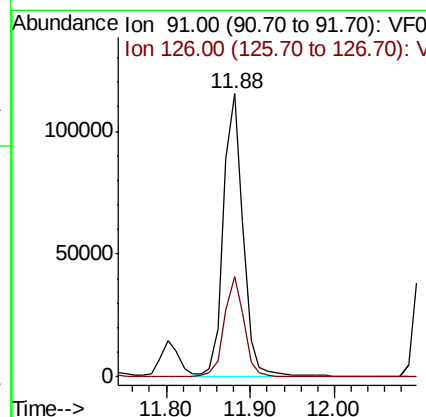
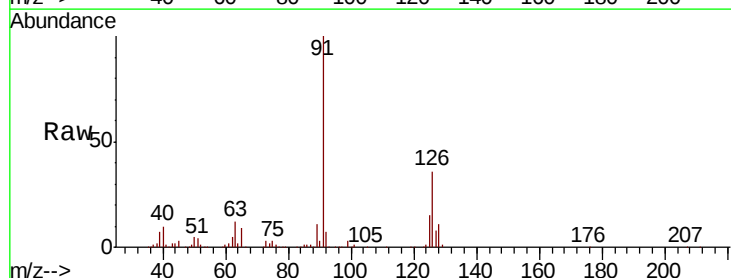
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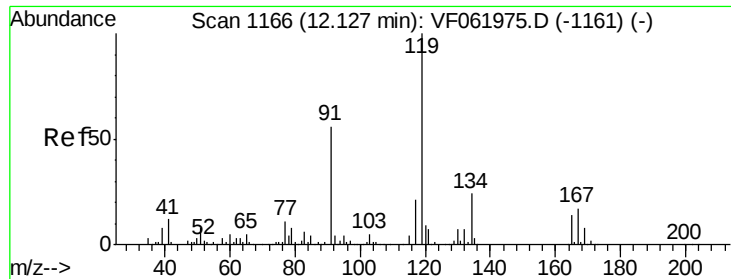
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#82
4-Chlorotoluene
Concen: 20.654 ug/l
RT: 11.88 min Scan# 1141
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.1	54.1





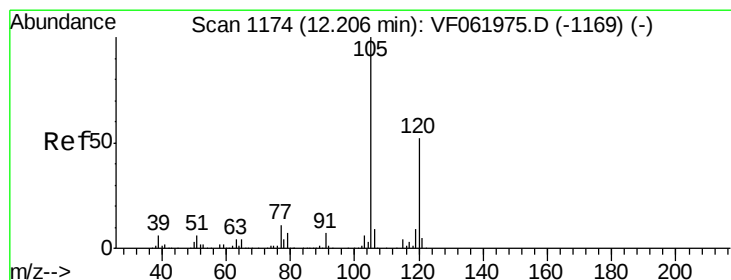
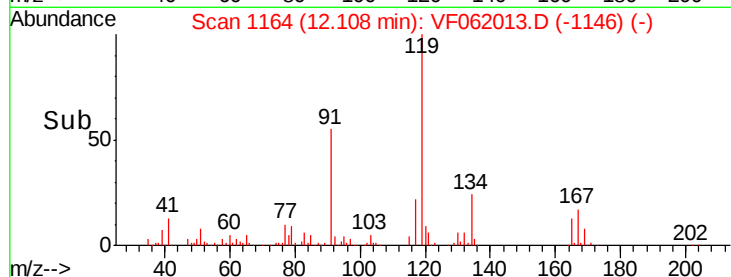
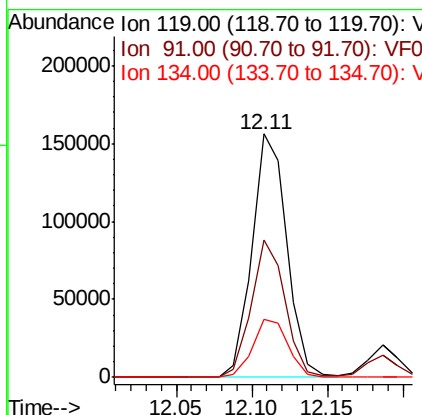
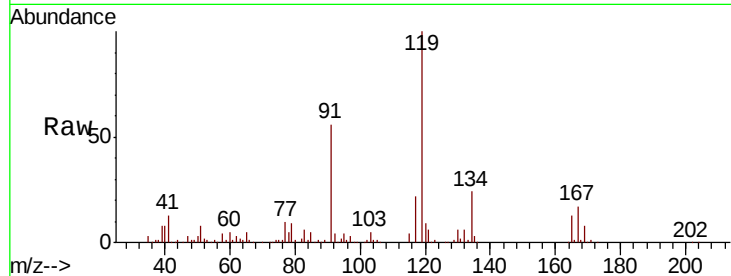
#83
tert-Butylbenzene
Concen: 21.808 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	251941		
91	56.4	27.9	83.6	
134	23.6	12.3	36.8	

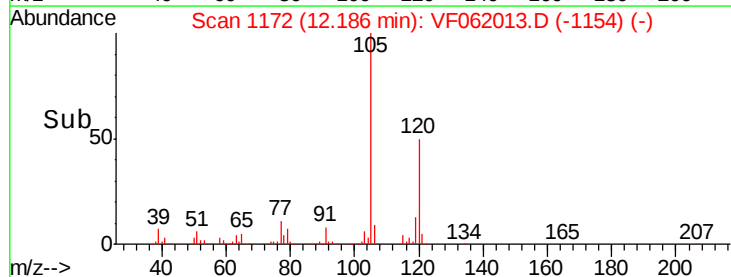
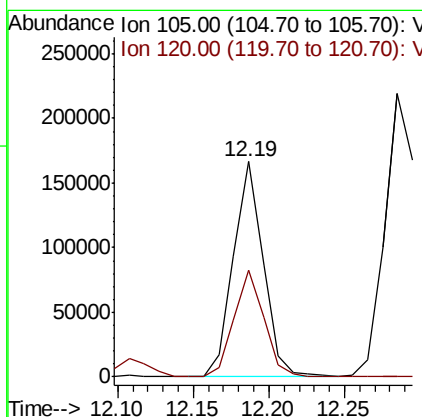
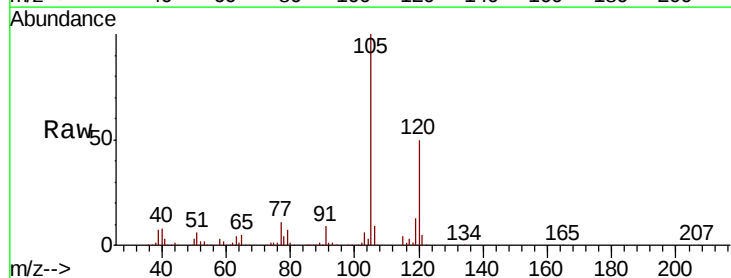
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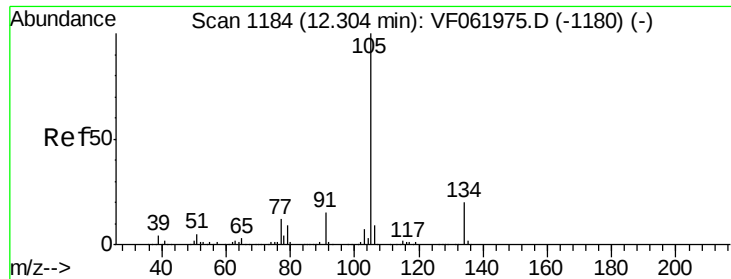
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#84
1,2,4-Trimethylbenzene
Concen: 20.666 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	228660		
120	49.5	25.9	77.8	





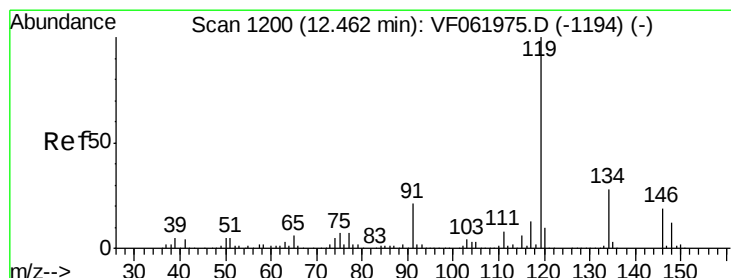
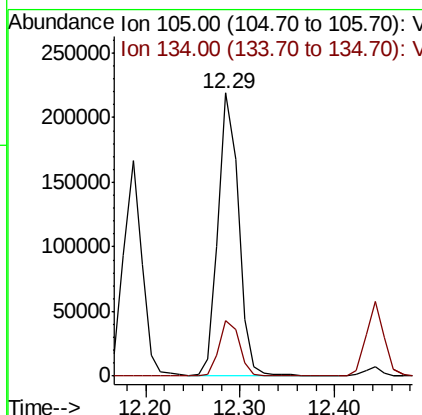
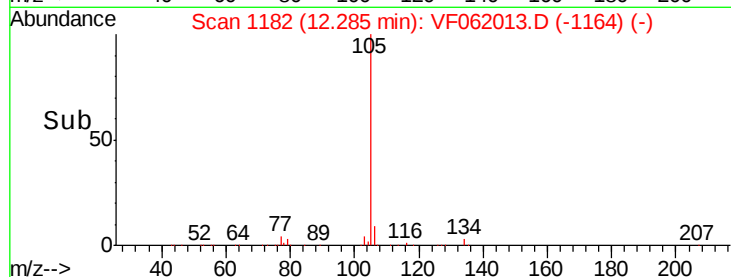
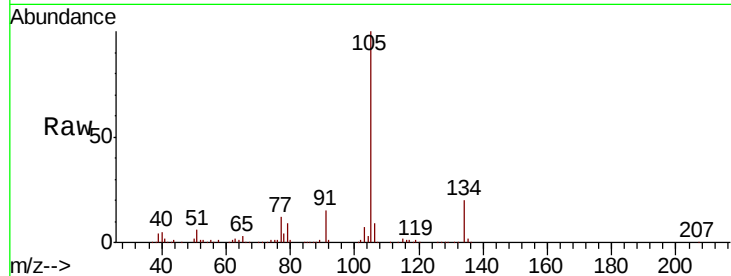
#85
 sec-Butylbenzene
 Concen: 21.134 ug/l
 RT: 12.29 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.0	29.8

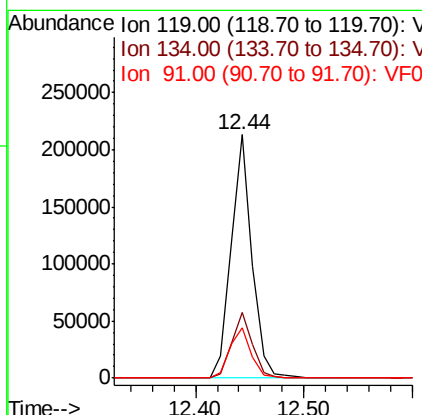
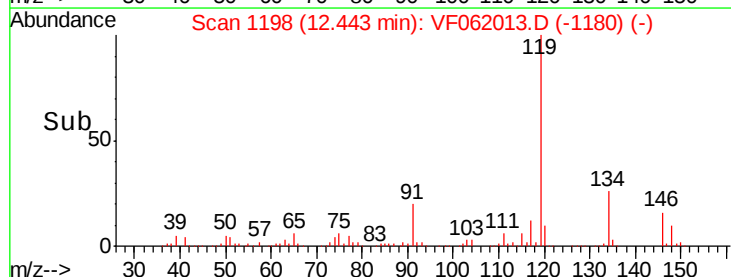
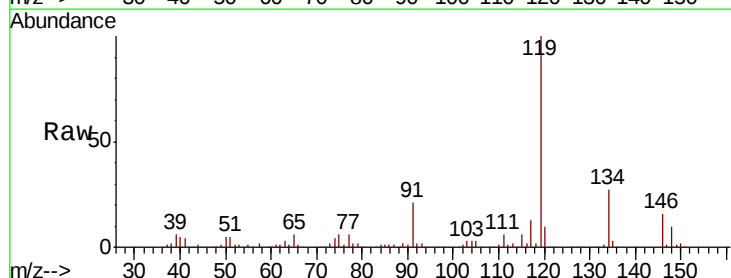
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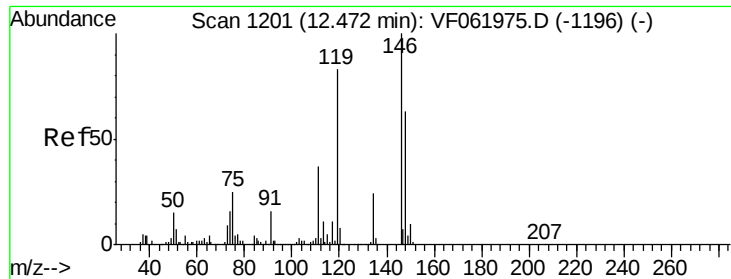
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#86
 p-Isopropyltoluene
 Concen: 21.831 ug/l
 RT: 12.44 min Scan# 1198
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.9	41.7
91	20.7	10.4	31.1





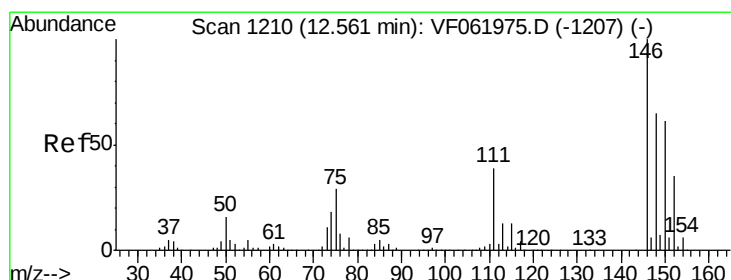
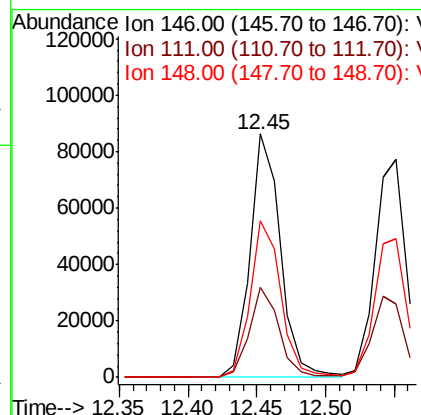
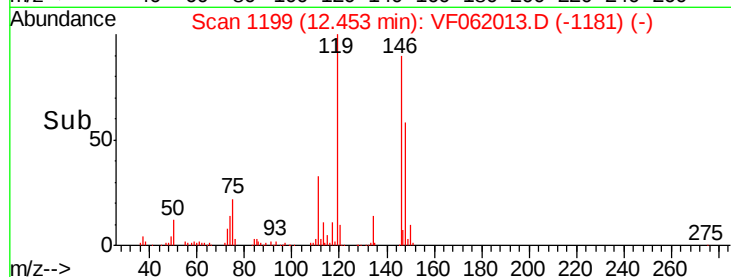
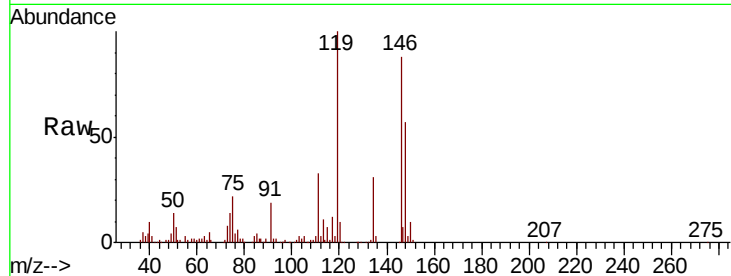
#87
 1,3-Dichlorobenzene
 Concen: 21.394 ug/l
 RT: 12.45 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	64.2	31.3	93.9

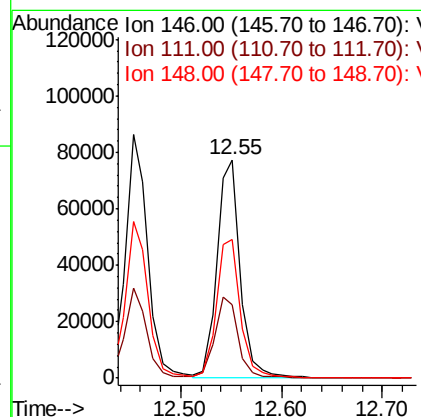
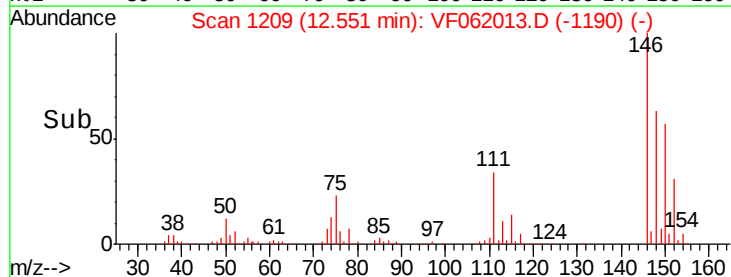
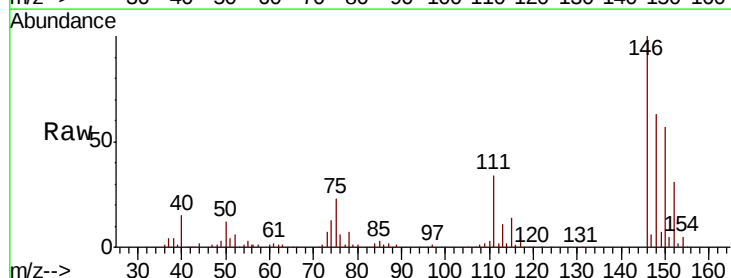
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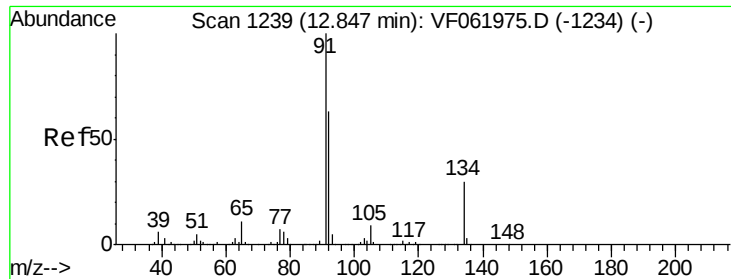
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#88
 1,4-Dichlorobenzene
 Concen: 20.912 ug/l
 RT: 12.55 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	33.7	19.4	58.1
148	63.5	32.4	97.0





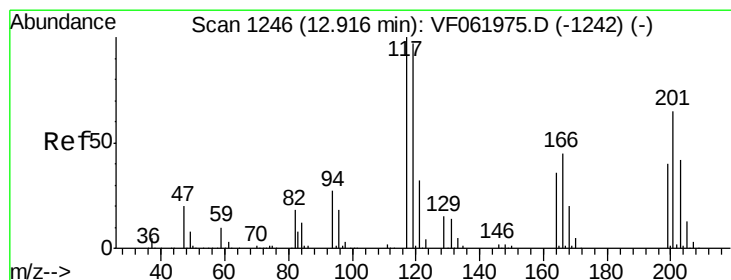
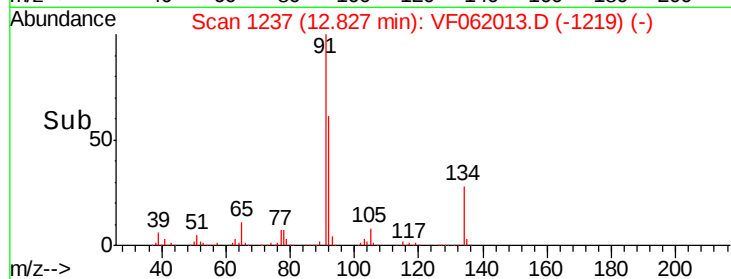
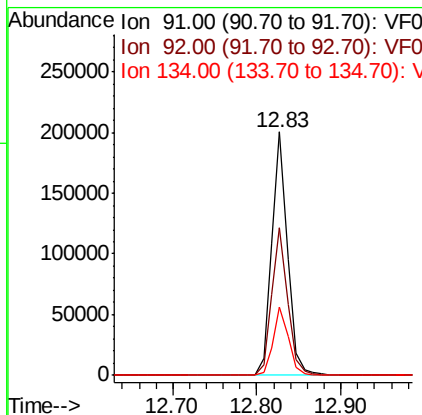
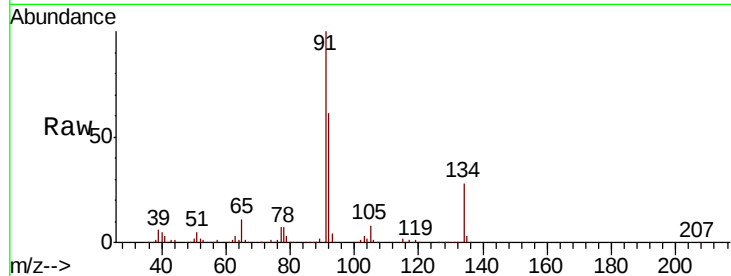
#89
n-Butylbenzene
Concen: 21.626 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Instrument :
MSVOA_F
ClientSampleId :
VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	264670		
92	60.6	31.7	95.1	
134	27.9	15.1	45.3	

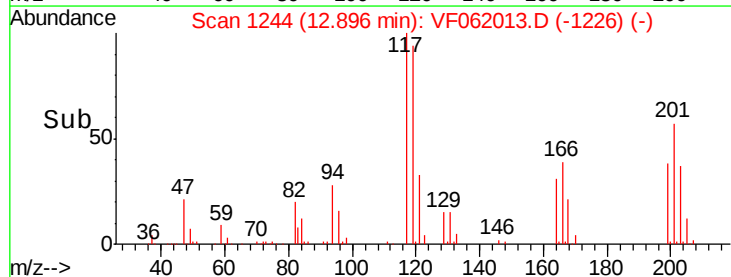
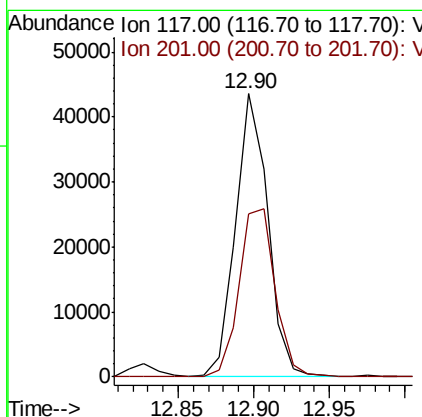
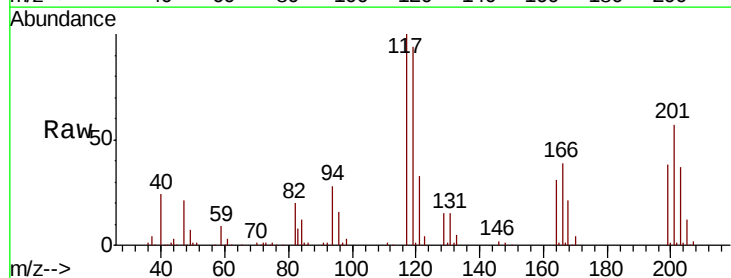
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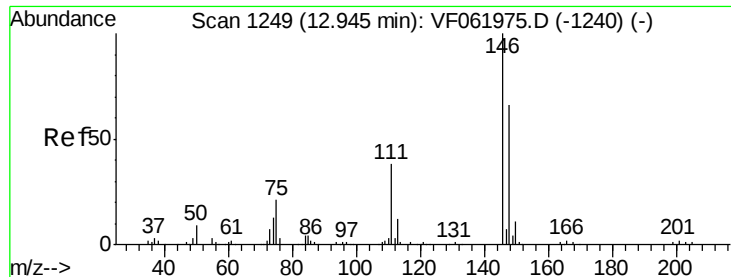
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3/22/2019 4:54:06 PM



#90
Hexachloroethane
Concen: 21.680 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.02 min
Lab File: VF062013.D
Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	64440		
201	57.5	32.5	97.5	





#91

1,2-Dichlorobenzene

Concen: 21.389 ug/l

RT: 12.93 min Scan# 1247

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

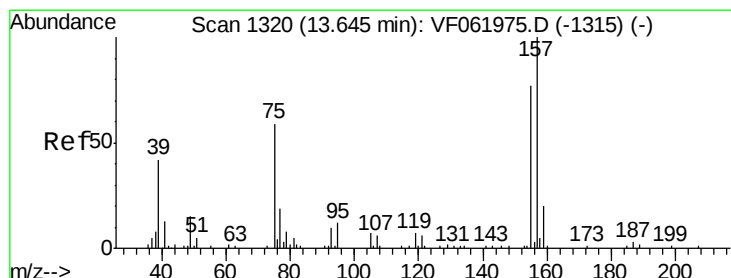
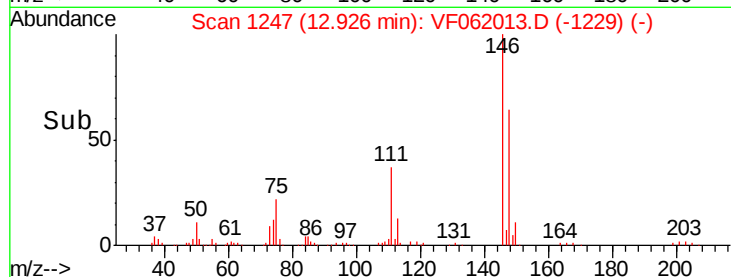
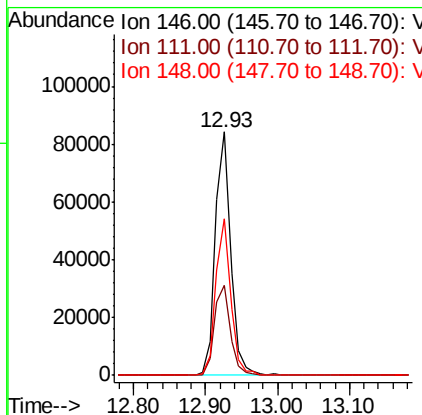
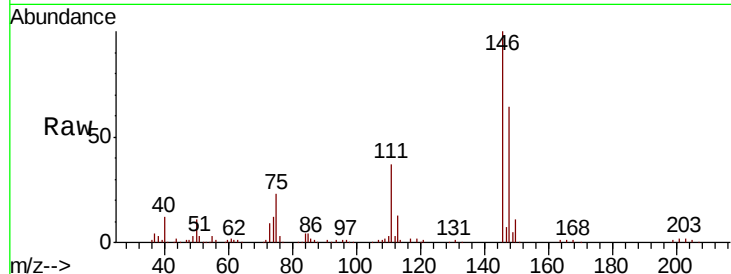
ClientSampleId :

VF0319SBS01

Tot Ion:	146	Resp:	123305
Ion Ratio	Lower	Upper	
146	100		
111	37.0	18.9	56.5
148	64.2	32.9	98.6

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 17.567 ug/l

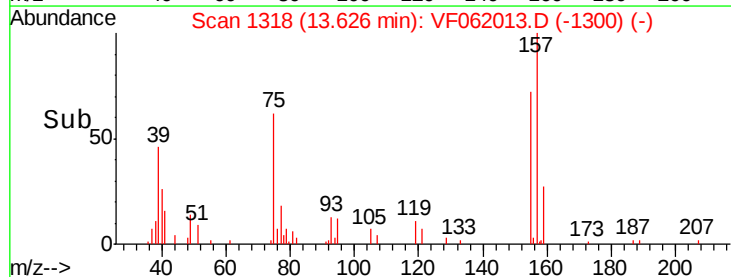
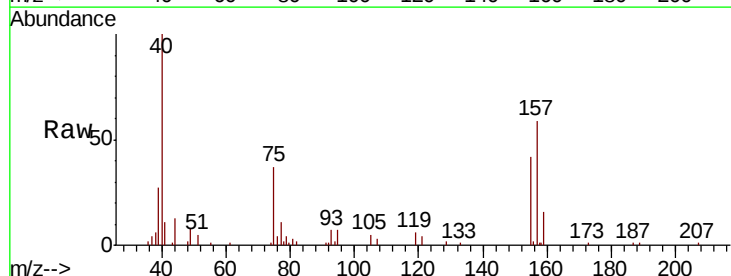
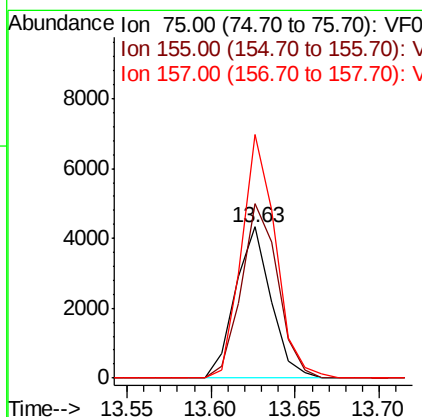
RT: 13.63 min Scan# 1318

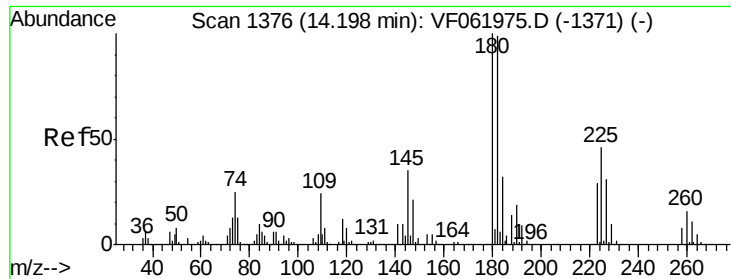
Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	75	Resp:	6363
Ion Ratio	Lower	Upper	
75	100		
155	115.6	65.0	195.1
157	160.9	84.7	254.0





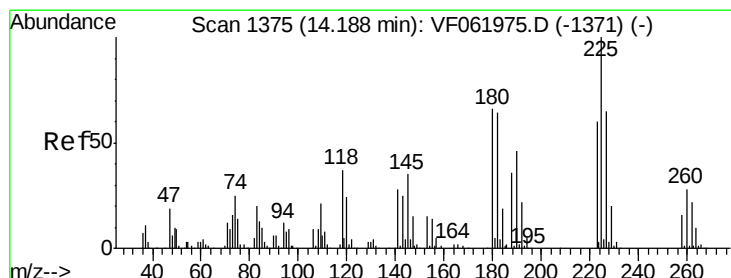
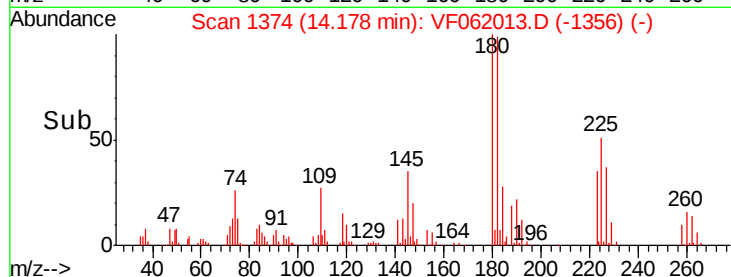
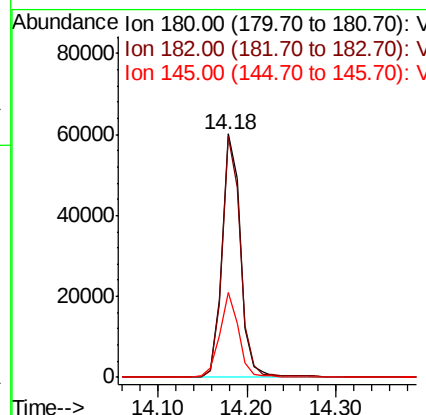
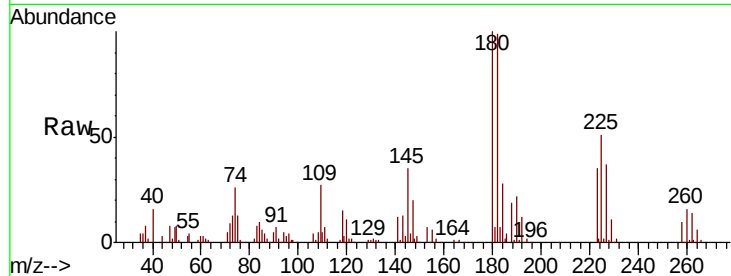
#93
 1,2,4-Trichlorobenzene
 Concen: 21.926 ug/l
 RT: 14.18 min Scan# 1374
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0319SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.8	49.6	149.0	
145	34.9	17.5	52.5	

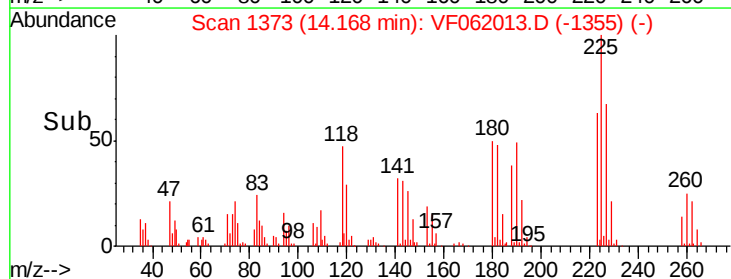
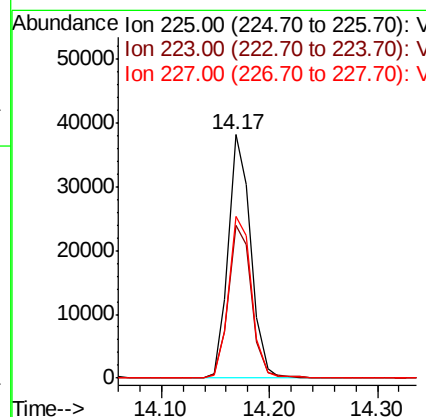
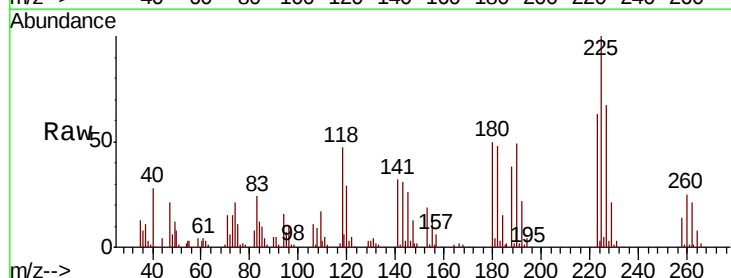
Manual Integrations
 APPROVED

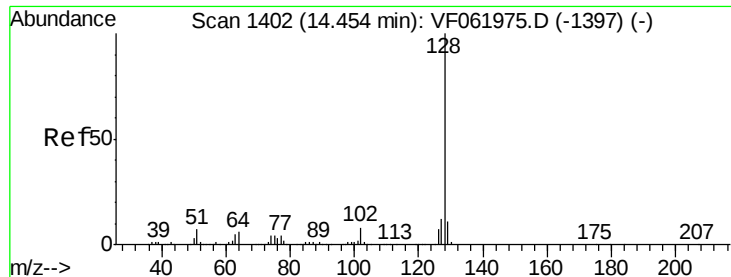
MMDadoda
 3/22/2019 4:54:06 PM



#94
 Hexachlorobutadiene
 Concen: 20.791 ug/l
 RT: 14.17 min Scan# 1373
 Delta R.T. -0.02 min
 Lab File: VF062013.D
 Acq: 19 Mar 2019 12:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	29.9	89.7	
227	66.6	32.4	97.2	





#95

Naphthalene

Concen: 20.034 ug/l

RT: 14.43 min Scan# 1400

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Instrument :

MSVOA_F

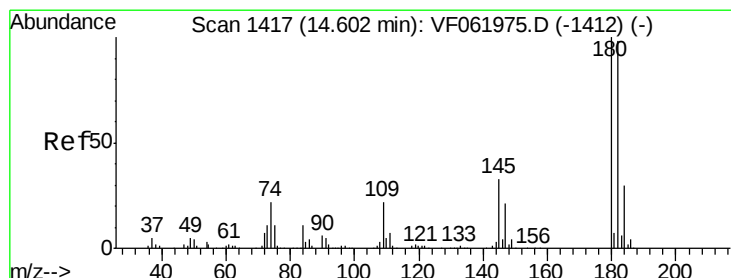
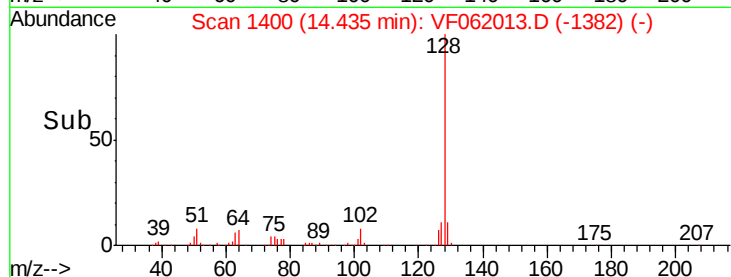
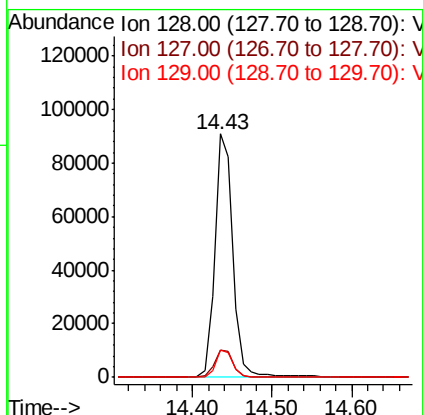
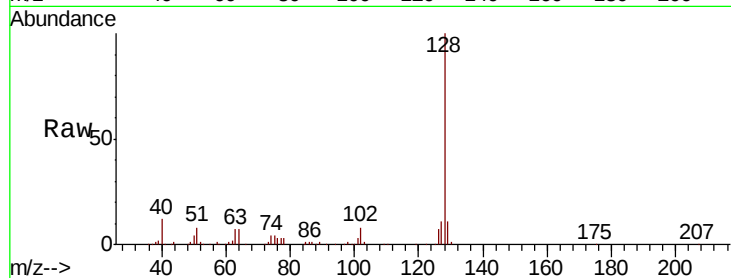
ClientSampleId :

VF0319SBS01

Tot Ion:	128	Resp:	144649
Ion Ratio	Lower	Upper	
128	100		
127	11.3	9.3	13.9
129	11.4	9.1	13.7

Manual Integrations
APPROVED

MMDadoda
3/22/2019 4:54:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.823 ug/l

RT: 14.58 min Scan# 1415

Delta R.T. -0.02 min

Lab File: VF062013.D

Acq: 19 Mar 2019 12:50

Tgt Ion:	180	Resp:	80599
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.9	146.8
145	32.8	16.7	50.1

