

Data File : VF062476.D
Acq On : 12 May 2019 00:07
Operator : FY/SY
Sample : VF0511SBS02
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 30 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:14 PM

Quant Time: May 12 05:06:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F050619S.M
Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	279155	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	5.78	114	377115	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.92	117	323764	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.62	152	217501	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	121665	46.12	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.24%	
35) Dibromofluoromethane	4.32	113	144418	48.07	ug/l	0.01
Spiked Amount	50.000		Recovery	=	96.14%	
50) Toluene-d8	7.72	98	309380	42.54	ug/l	0.01
Spiked Amount	50.000		Recovery	=	85.08%	
62) 4-Bromofluorobenzene	11.50	95	147551	44.97	ug/l	0.01
Spiked Amount	50.000		Recovery	=	89.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.00	85	75936	23.504	ug/l	94
3) Chloromethane	1.14	50	47062	22.087	ug/l	100
4) Vinyl Chloride	1.19	62	46951	22.091	ug/l	91
5) Bromomethane	1.39	94	41283	24.460	ug/l	95
6) Chloroethane	1.44	64	27216	25.470	ug/l	90
7) Trichlorofluoromethane	1.56	101	115345	26.157	ug/l	97
8) Diethyl Ether	1.71	74	15133	22.680	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.91	101	62840	24.961	ug/l	92
10) Methyl Iodide	1.98	142	107276	25.857	ug/l	98
11) Tert butyl alcohol	2.71	59	14516	97.358	ug/l #	89
12) 1,1-Dichloroethene	1.87	96	50565	23.626	ug/l	91
13) Acrolein	2.11	56	8870	82.061	ug/l	86
14) Allyl chloride	2.21	41	61645m	32.606	ug/l	
15) Acrylonitrile	3.09	53	30891	109.374	ug/l	95
16) Acetone	2.35	43	59450	111.398	ug/l #	92
17) Carbon Disulfide	1.92	76	104782	22.453	ug/l	99
18) Methyl Acetate	2.47	43	25728	24.860	ug/l #	92
19) Methyl tert-butyl Ether	2.55	73	104636	23.684	ug/l	100
20) Methylene Chloride	2.33	84	47347m	24.522	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	47340	23.216	ug/l	93
22) Diisopropyl ether	2.95	45	137903	23.338	ug/l	98
23) Vinyl Acetate	3.35	43	298315	113.275	ug/l	96
24) 1,1-Dichloroethane	3.02	63	93469	26.173	ug/l	98
25) 2-Butanone	4.53	43	70764	105.544	ug/l #	92
26) 2,2-Dichloropropane	3.78	77	52644	26.397	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	62826	24.648	ug/l	98
28) Bromochloromethane	3.91	49	33476	20.669	ug/l	91
29) Tetrahydrofuran	4.28	42	33202	107.748	ug/l	98
30) Chloroform	4.06	83	123002	25.494	ug/l	93
31) Cyclohexane	3.89	56	65782	23.077	ug/l	96
32) 1,1,1-Trichloroethane	4.30	97	110805	26.796	ug/l	98
36) 1,1-Dichloropropene	4.48	75	79299	24.478	ug/l	97
37) Ethyl Acetate	4.31	43	29576	20.317	ug/l #	94
38) Carbon Tetrachloride	4.20	117	99269	28.339	ug/l	89

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	72753	22.393	ug/l	95
40) Benzene	4.84	78	152967	21.443	ug/l	96
41) Methacrylonitrile	4.95	41	14453	18.606	ug/l	98
42) 1,2-Dichloroethane	5.14	62	73233	24.545	ug/l	97
43) Isopropyl Acetate	7.13	43	30555	20.736	ug/l #	97
44) Trichloroethene	5.70	130	65199	24.880	ug/l	99
45) 1,2-Dichloropropane	6.42	63	37069	22.942	ug/l	93
46) Dibromomethane	6.28	93	29564	22.068	ug/l	97
47) Bromodichloromethane	6.56	83	77868	23.248	ug/l	98
48) Methyl methacrylate	6.89	41	19652	18.872	ug/l	92
49) 1,4-Dioxane	6.88	88	3620	329.246	ug/l #	69
51) 4-Methyl-2-Pentanone	8.42	43	114928	102.932	ug/l	99
52) Toluene	7.79	92	99836	22.686	ug/l	100
53) t-1,3-Dichloropropene	8.44	75	55101	21.751	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	63598	21.571	ug/l #	93
55) 1,1,2-Trichloroethane	8.65	97	28736	20.569	ug/l #	88
56) Ethyl methacrylate	8.77	69	29534	20.027	ug/l	94
57) 1,3-Dichloropropane	9.01	76	47049	22.295	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	42042	94.824	ug/l	96
59) 2-Hexanone	9.63	43	76037	98.468	ug/l	95
60) Dibromochloromethane	8.86	129	53465	23.399	ug/l	98
61) 1,2-Dibromoethane	9.14	107	36273	22.091	ug/l	97
64) Tetrachloroethene	8.32	164	67780	25.787	ug/l	91
65) Chlorobenzene	9.94	112	125515	23.431	ug/l	93
66) 1,1,1,2-Tetrachloroethane	10.07	131	64161	23.742	ug/l	97
67) Ethyl Benzene	10.04	91	220174	23.472	ug/l	99
68) m/p-Xylenes	10.27	106	158315	45.742	ug/l	91
69) o-Xylene	10.82	106	83211	22.250	ug/l	93
70) Styrene	10.90	104	130614	23.303	ug/l	99
71) Bromoform	10.88	173	31014	20.948	ug/l #	98
73) Isopropylbenzene	11.22	105	272327	21.120	ug/l	99
74) N-amyl acetate	11.45	43	52332	18.904	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	41421	20.516	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	33234	21.576	ug/l #	100
77) Bromobenzene	11.59	156	75478	22.304	ug/l	97
78) n-propylbenzene	11.68	91	293316	21.366	ug/l	100
79) 2-Chlorotoluene	11.80	91	181572	21.271	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	252738	22.363	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	7969m	13.764	ug/l	
82) 4-Chlorotoluene	11.98	91	182961	21.701	ug/l	99
83) tert-Butylbenzene	12.20	119	256172	21.568	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	242816	21.954	ug/l	99
85) sec-Butylbenzene	12.37	105	322868	22.333	ug/l	99
86) p-Isopropyltoluene	12.53	119	303069	22.563	ug/l	100
87) 1,3-Dichlorobenzene	12.54	146	139475	22.567	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	132383	22.193	ug/l	98
89) n-Butylbenzene	12.90	91	273550	22.891	ug/l	96
90) Hexachloroethane	12.98	117	71901	21.439	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	133535	22.322	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9296	20.553	ug/l	86

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF051119\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	119115	22.199	ug/l	98
94) Hexachlorobutadiene	14.23	225	88780	22.199	ug/l	98
95) Naphthalene	14.50	128	156423	19.391	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	114635	22.052	ug/l	98

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

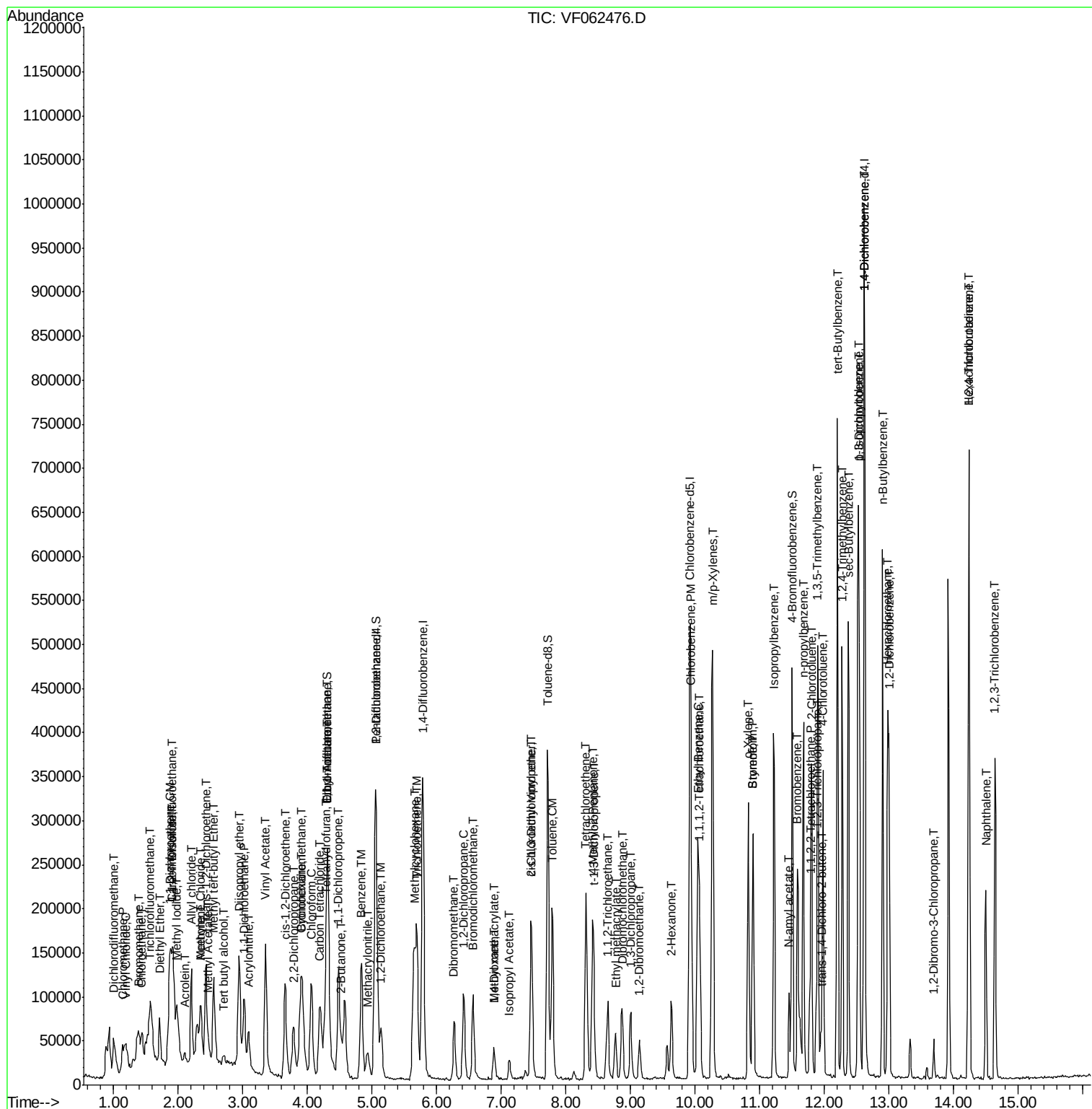
Data File : VF062476.D
Acq On : 12 May 2019 00:07
Operator : FY/SY
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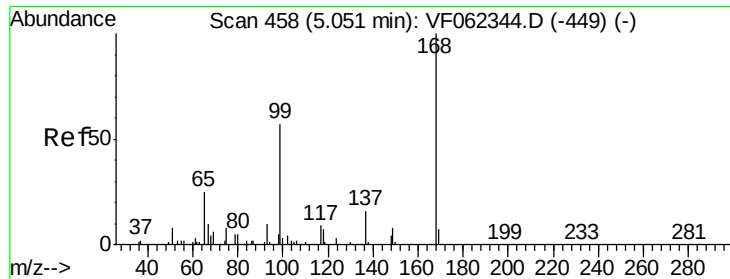
Instrument :
MSVOA_F
ClientSampleId :
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Manual Integrations
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MMDadoda
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Quant Title : SW846 8260
QLast Update : Tue May 07 04:34:57 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 168 Resp: 279155

Ion Ratio Lower Upper

168 100

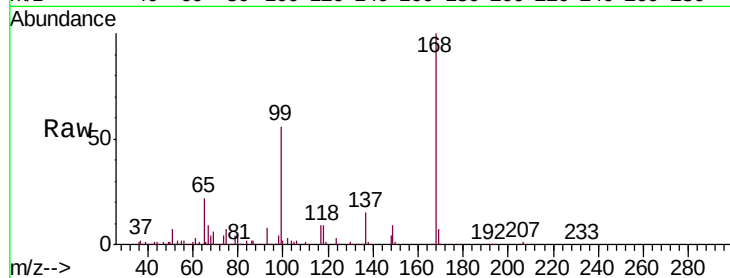
99 55.9 45.9 68.9

Manual Integrations

APPROVED

MMDadoda

5/12/2019 12:05:14 PM



Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

100000

80000

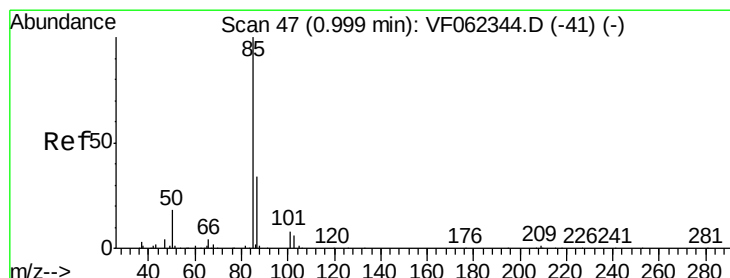
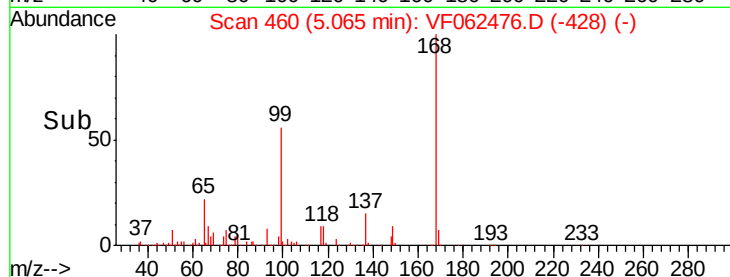
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.504 ug/l

RT: 1.00 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062476.D

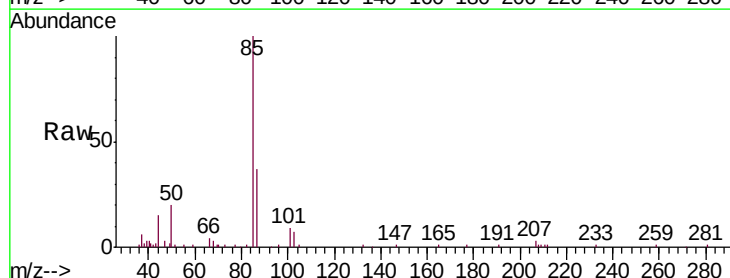
Acq: 12 May 2019 00:07

Tgt Ion: 85 Resp: 75936

Ion Ratio Lower Upper

85 100

87 36.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.00

25000

20000

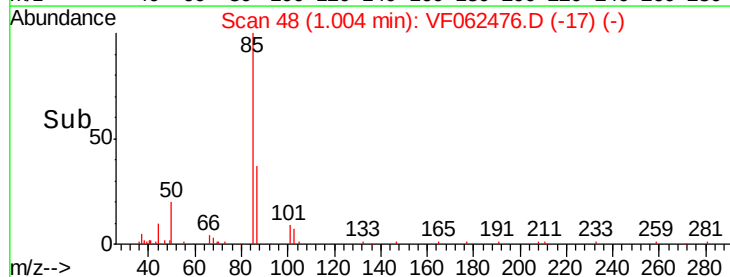
15000

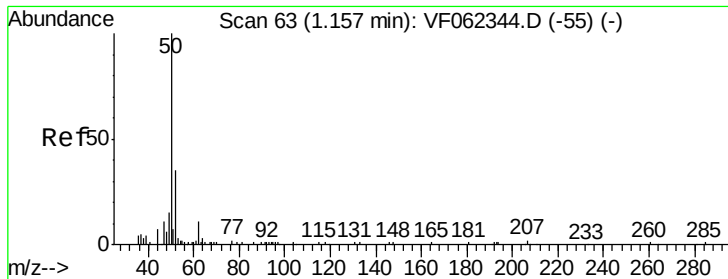
10000

5000

0

Time-->





#3

Chloromethane

Concen: 22.087 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 50 Resp: 47062

Ion Ratio Lower Upper

50 100

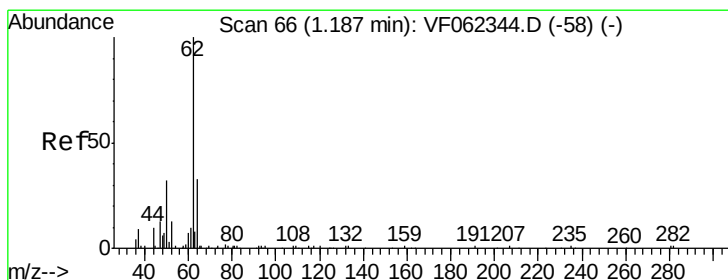
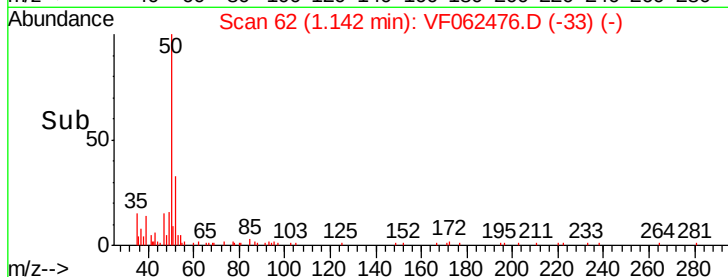
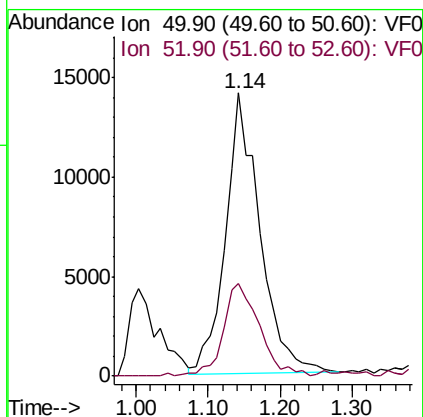
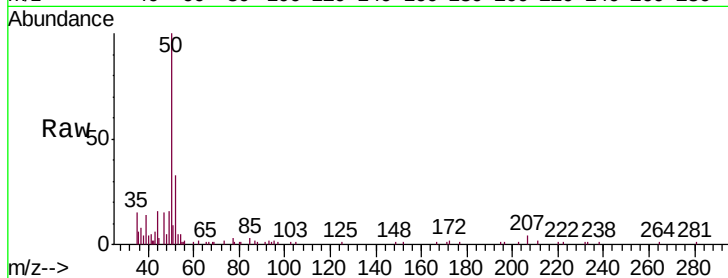
52 32.4 26.1 39.1

Manual Integrations

APPROVED

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5/12/2019 12:05:14 PM



#4

Vinyl Chloride

Concen: 22.091 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062476.D

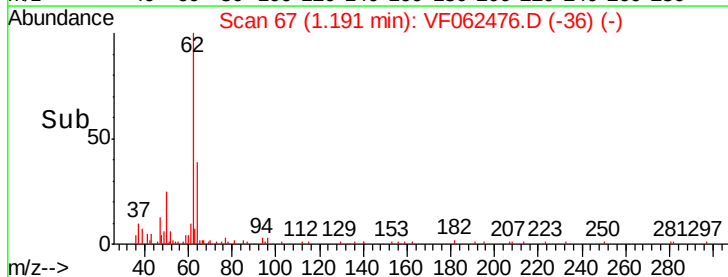
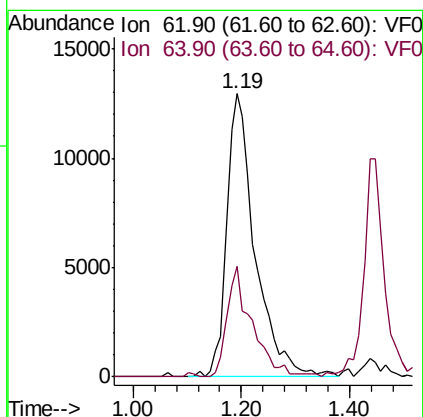
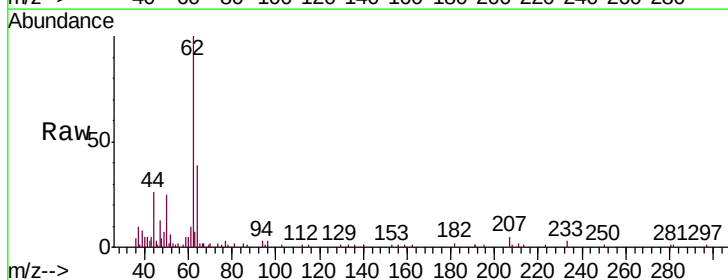
Acq: 12 May 2019 00:07

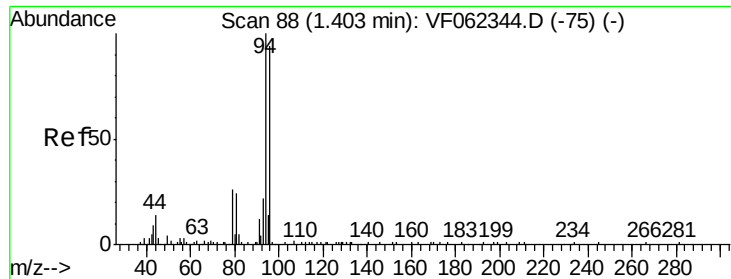
Tgt Ion: 62 Resp: 46951

Ion Ratio Lower Upper

62 100

64 37.6 26.1 39.1





#5

Bromomethane

Concen: 24.460 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 94 Resp: 41283

Ion Ratio Lower Upper

94 100

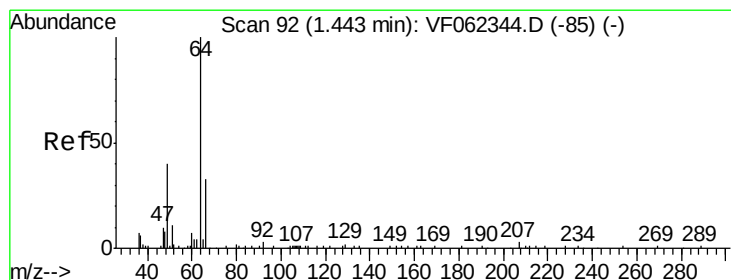
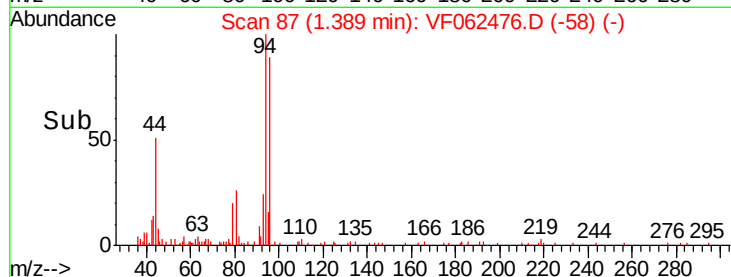
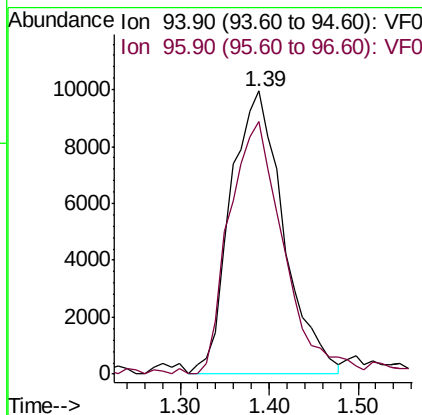
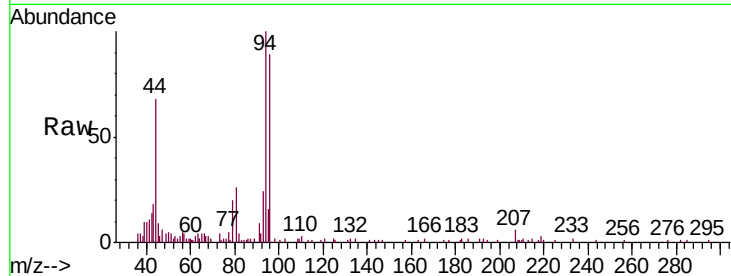
96 89.1 75.4 113.2

Manual Integrations

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5/12/2019 12:05:14 PM



#6

Chloroethane

Concen: 25.470 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062476.D

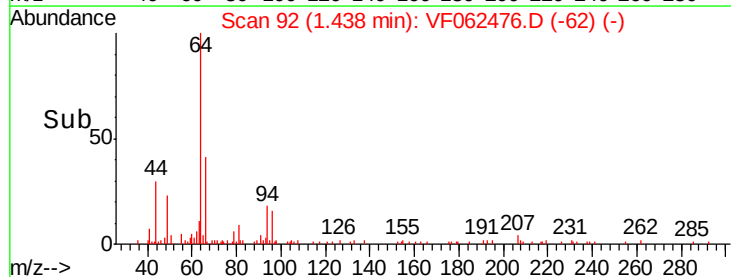
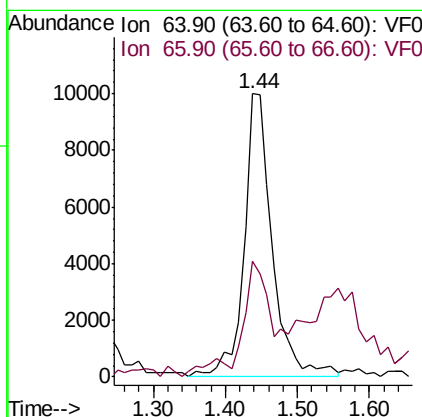
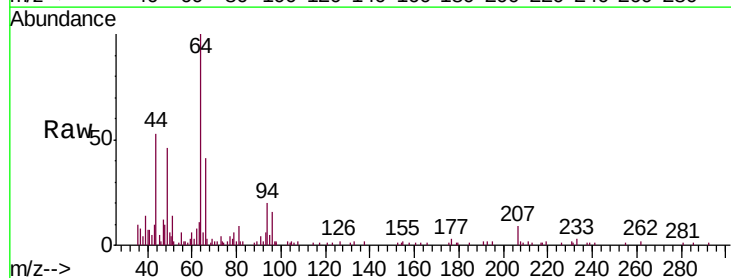
Acq: 12 May 2019 00:07

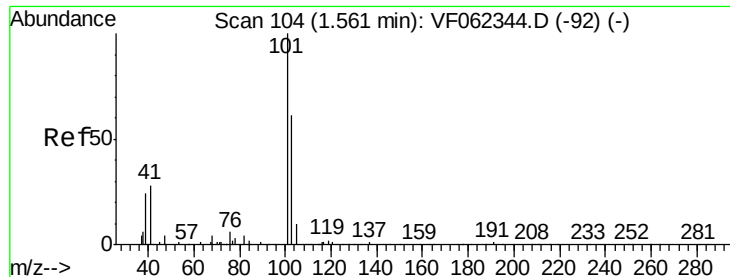
Tgt Ion: 64 Resp: 27216

Ion Ratio Lower Upper

64 100

66 38.8 26.6 39.8





#7

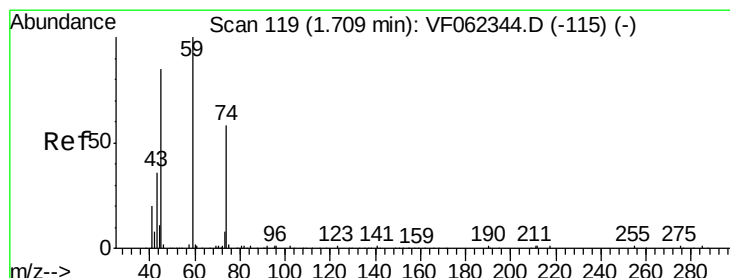
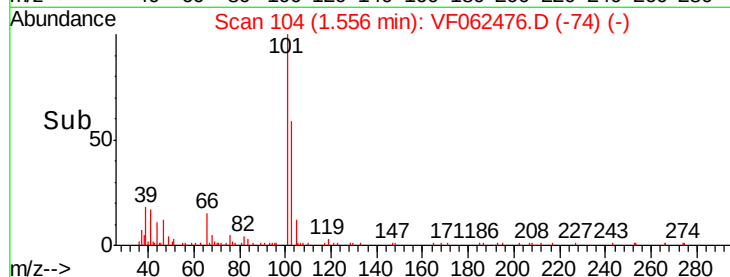
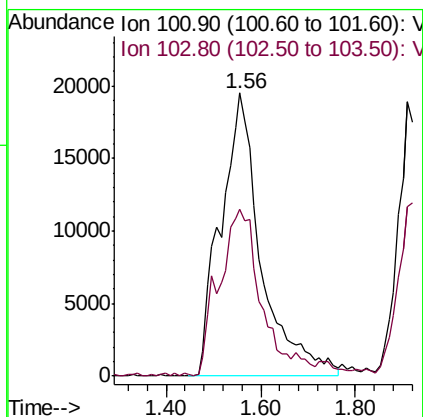
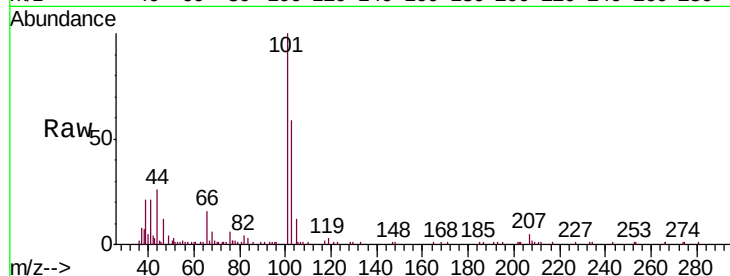
Trichlorofluoromethane
Concen: 26.157 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
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VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	115345		
103	58.1	48.5	72.7	

Manual Integrations
APPROVED

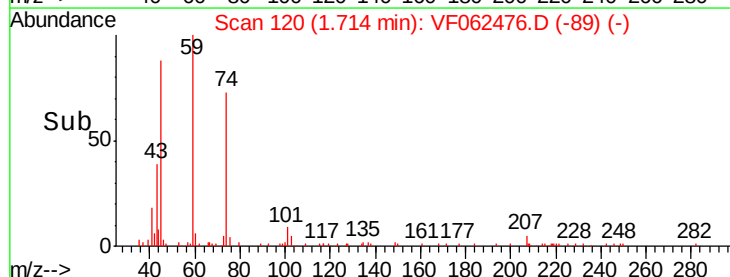
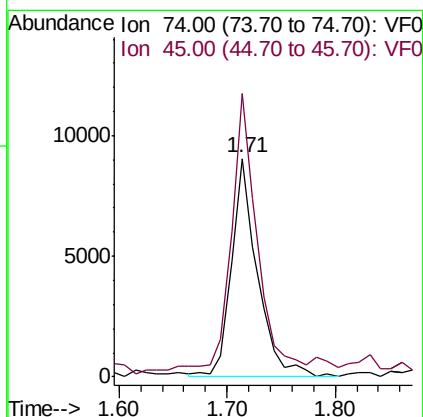
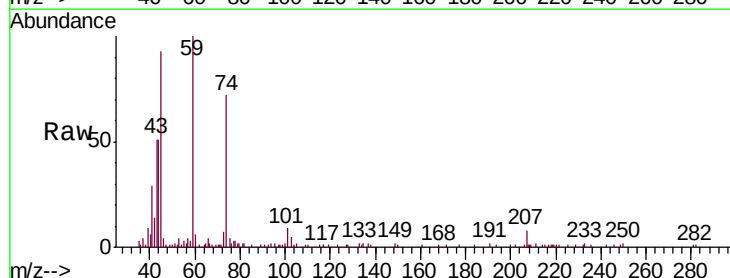
MMDadoda
5/12/2019 12:05:14 PM

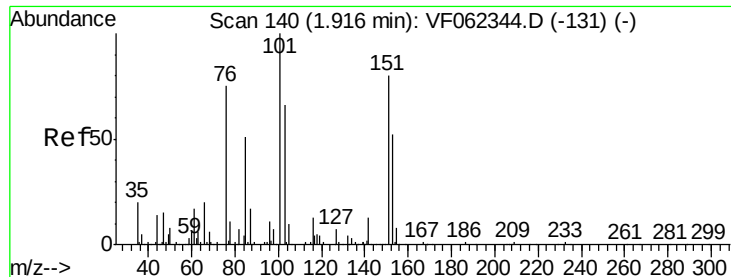


#8

Diethyl Ether
Concen: 22.680 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	15133		
45	122.2	73.9	221.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.961 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062476.D

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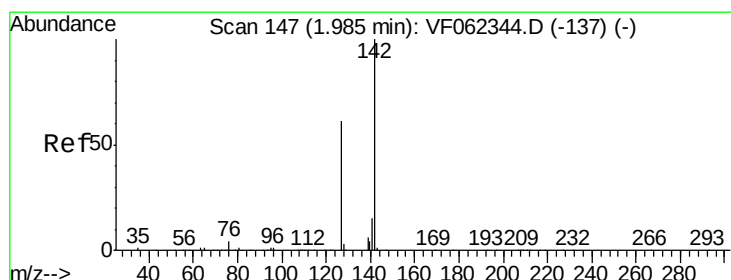
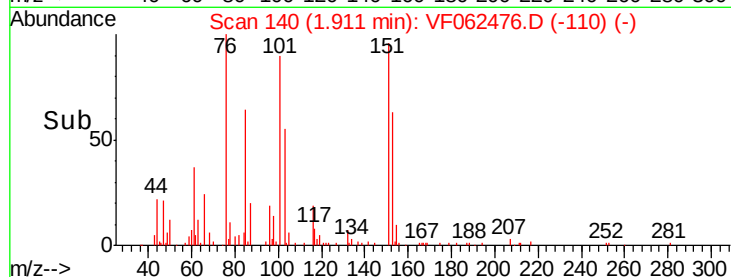
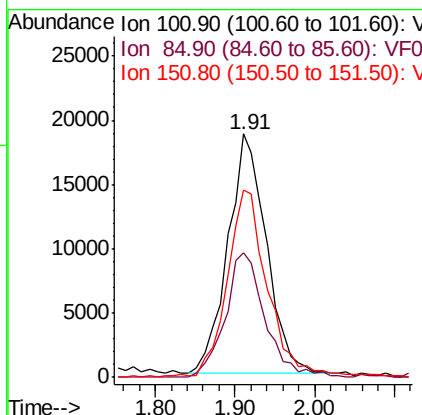
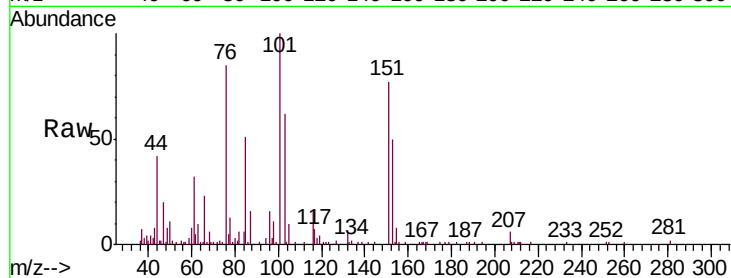
ClientSampleId :

VF0511SBS02

Tgt Ion:	101	Resp:	62840
Ion Ratio	Lower	Upper	
101	100		
85	53.7	39.5	59.3
151	83.2	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 25.857 ug/l

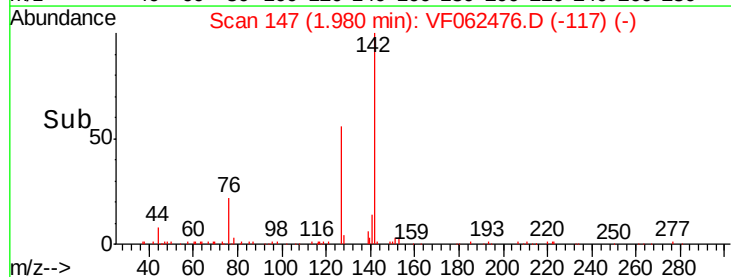
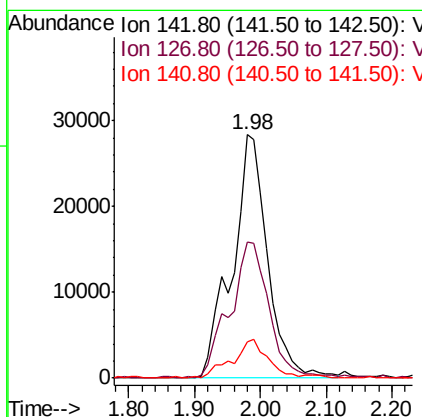
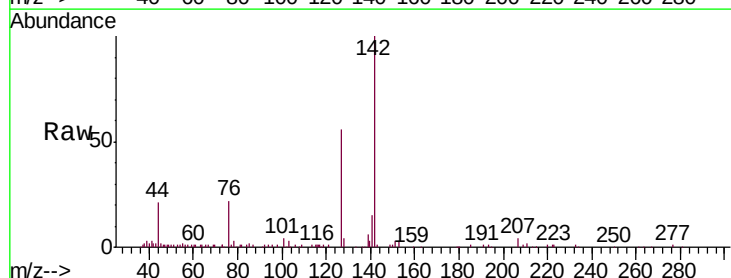
RT: 1.98 min Scan# 147

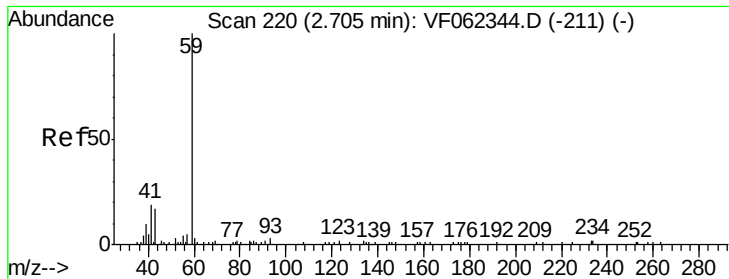
Delta R.T. -0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	142	Resp:	107276
Ion Ratio	Lower	Upper	
142	100		
127	61.6	48.4	72.6
141	16.3	12.2	18.4





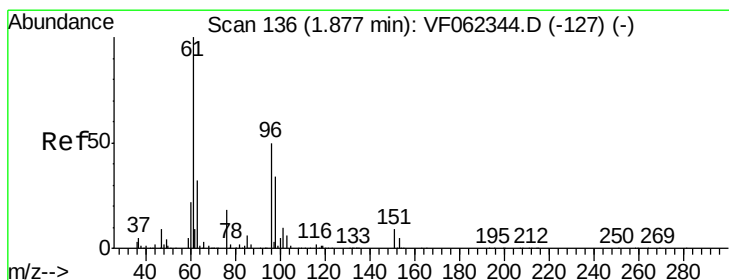
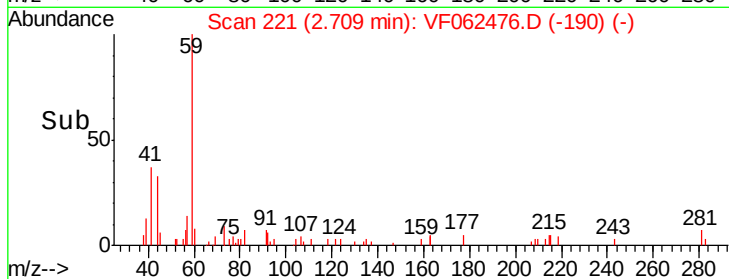
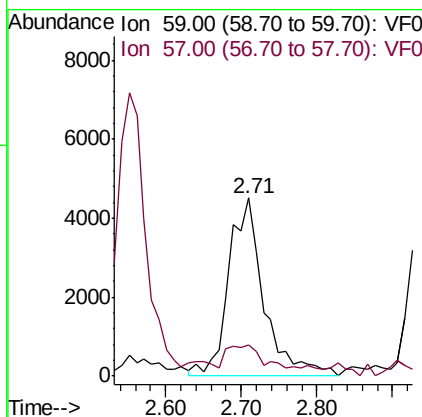
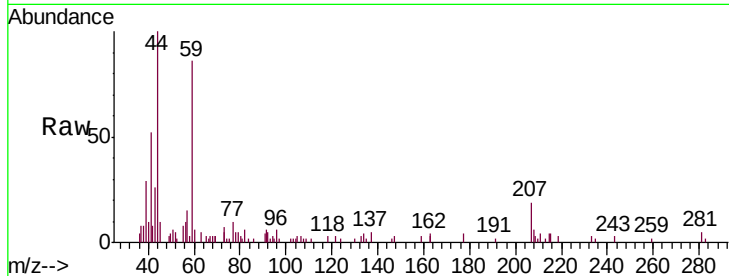
#11
Tert butyl alcohol
Concen: 97.358 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 59 Resp: 14516
Ion Ratio Lower Upper
59 100
57 15.8 9.3 13.9#

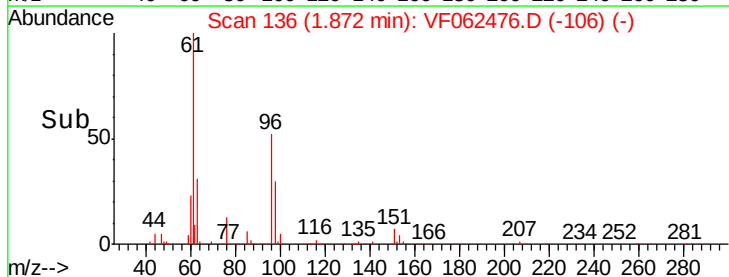
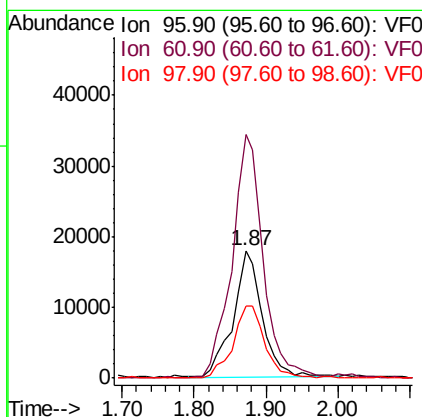
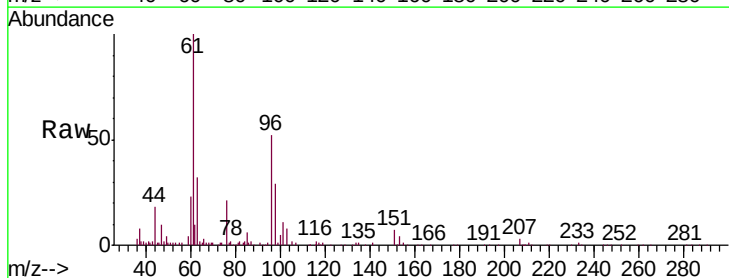
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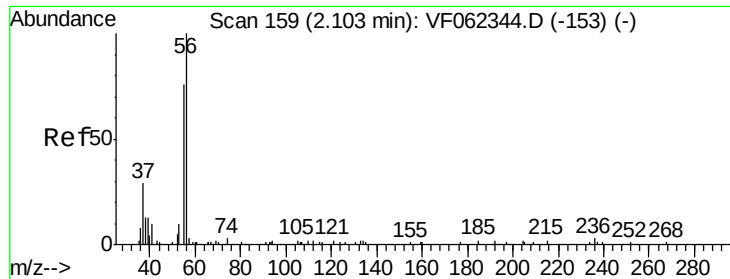
MMDadoda
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#12
1,1-Dichloroethene
Concen: 23.626 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 96 Resp: 50565
Ion Ratio Lower Upper
96 100
61 193.2 163.2 244.8
98 56.8 55.2 82.8





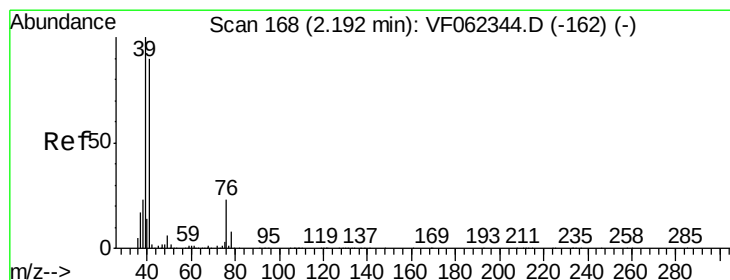
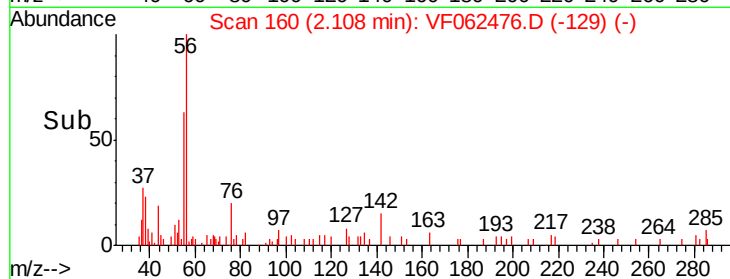
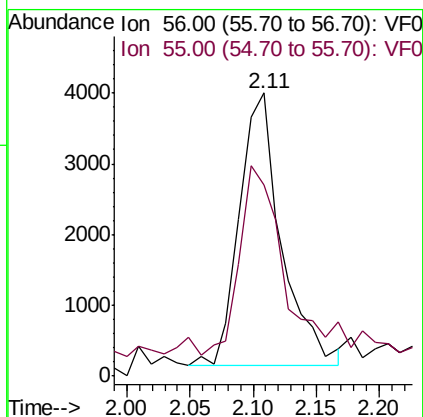
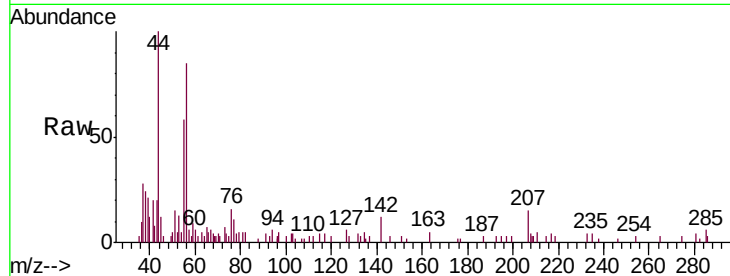
#13
Acrolein
Concen: 82.061 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 56 Resp: 8870
Ion Ratio Lower Upper
56 100
55 85.1 58.4 87.6

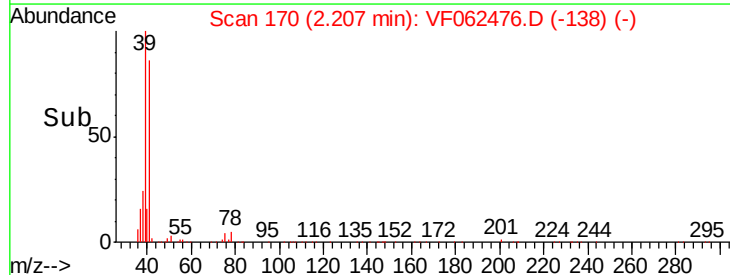
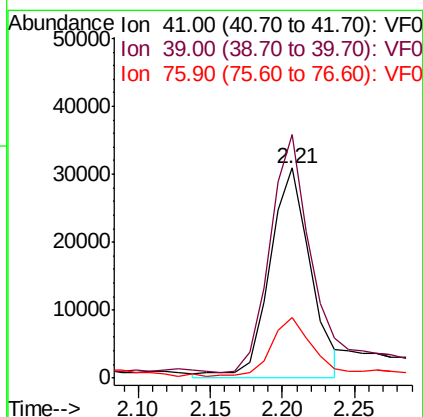
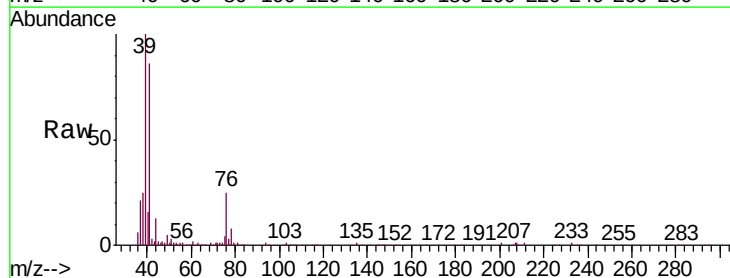
Manual Integrations
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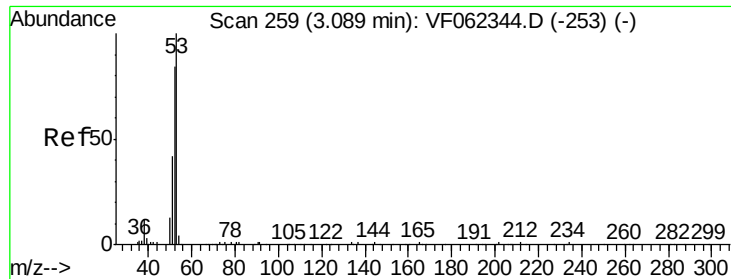
MMDadoda
5/12/2019 12:05:14 PM



#14
Allyl chloride
Concen: 32.606 ug/l m
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 41 Resp: 61645
Ion Ratio Lower Upper
41 100
39 130.0 90.8 136.2
76 28.8 22.2 33.4





#15

Acrylonitrile

Concen: 109.374 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

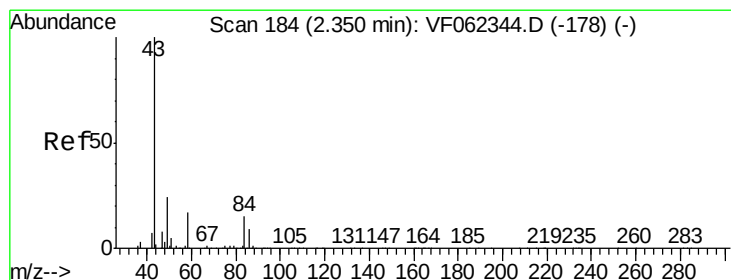
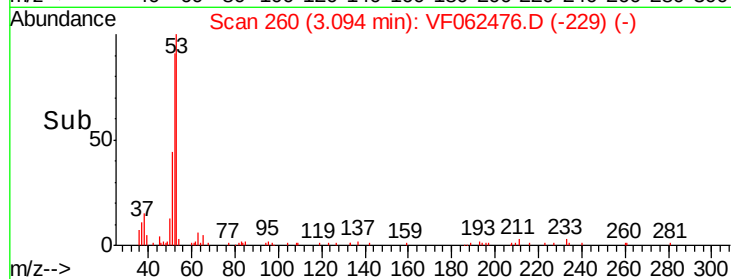
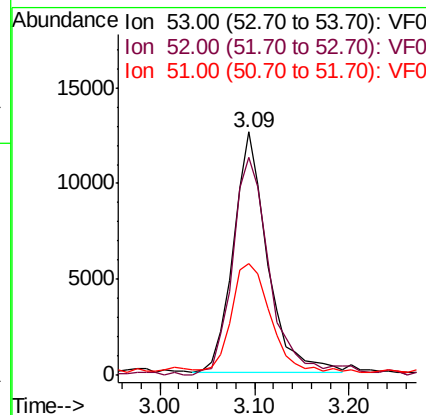
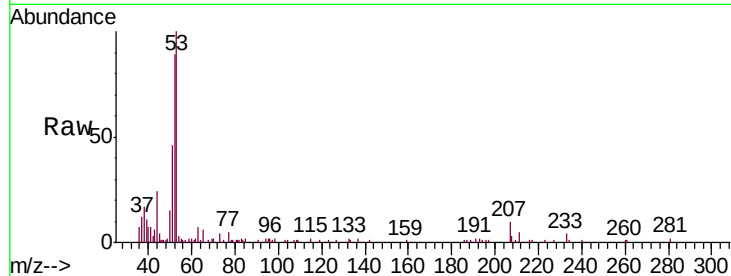
ClientSampleId :

VF0511SBS02

Tgt Ion:	53	Resp:	30891
Ion Ratio	Lower	Upper	
53	100		
52	98.7	77.2	115.8
51	58.5	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 111.398 ug/l

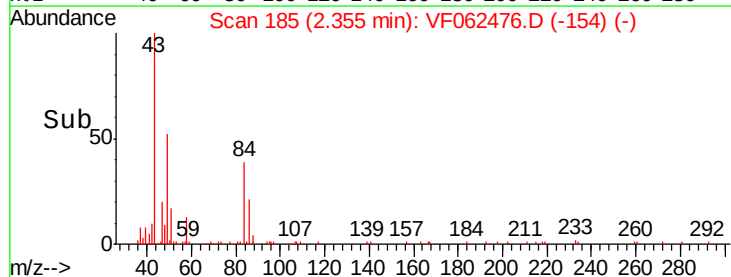
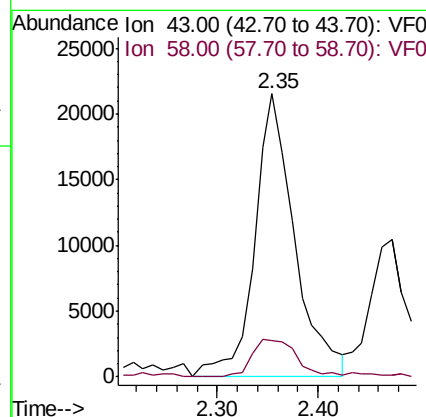
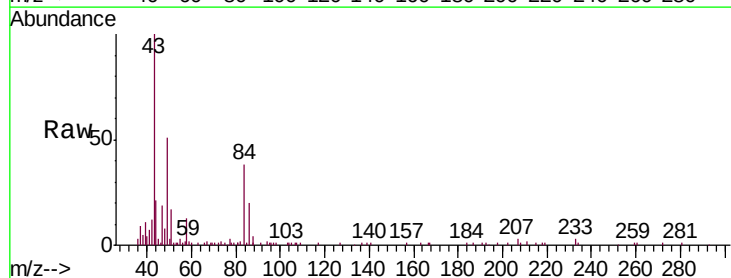
RT: 2.35 min Scan# 185

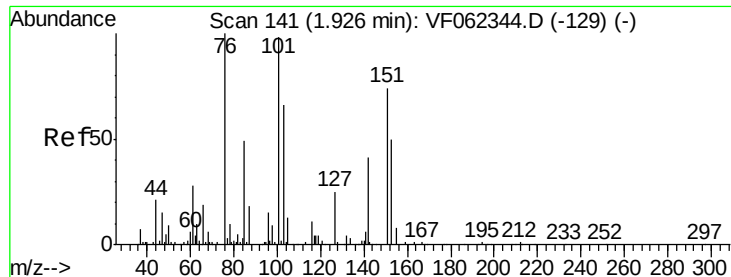
Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	43	Resp:	59450
Ion Ratio	Lower	Upper	
43	100		
58	12.9	13.1	19.7#





#17

Carbon Disulfide

Concen: 22.453 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 76 Resp: 104782

Ion Ratio Lower Upper

76 100

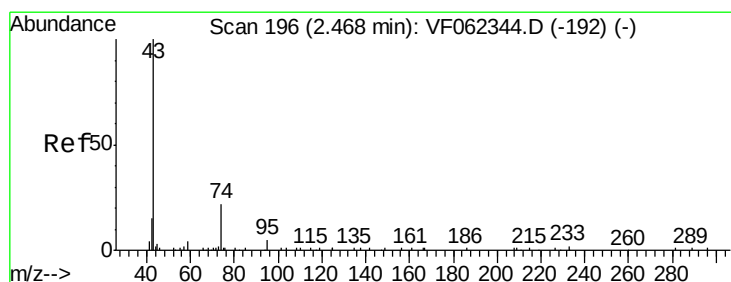
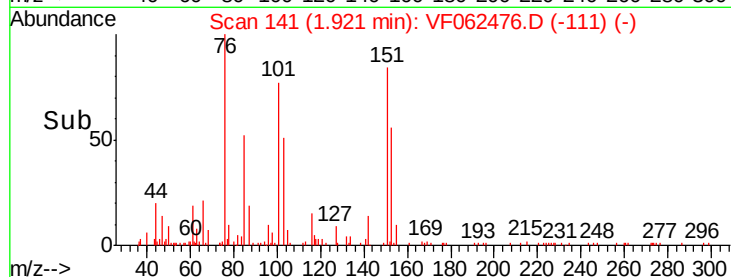
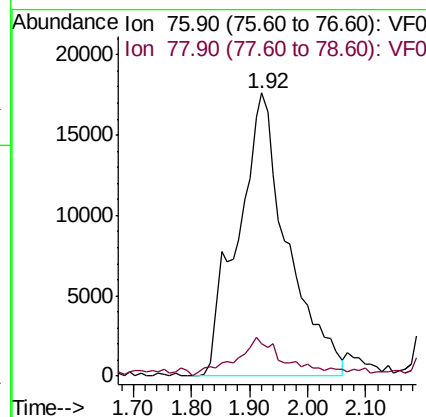
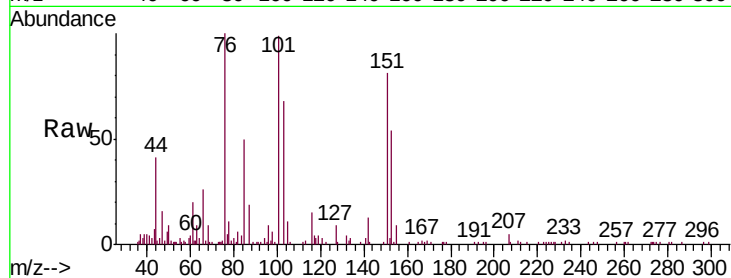
78 11.4 9.0 13.4

Manual Integrations

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5/12/2019 12:05:14 PM



#18

Methyl Acetate

Concen: 24.860 ug/l

RT: 2.47 min Scan# 197

Delta R.T. 0.00 min

Lab File: VF062476.D

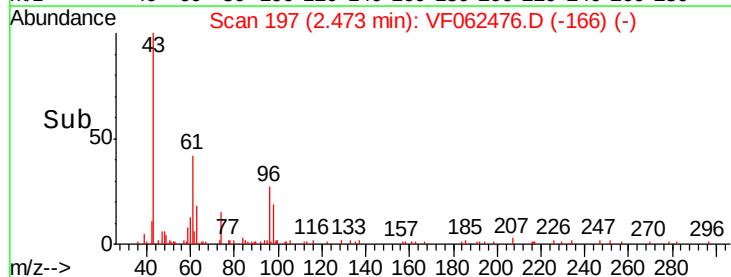
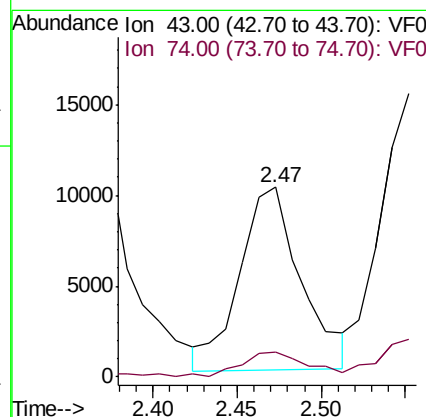
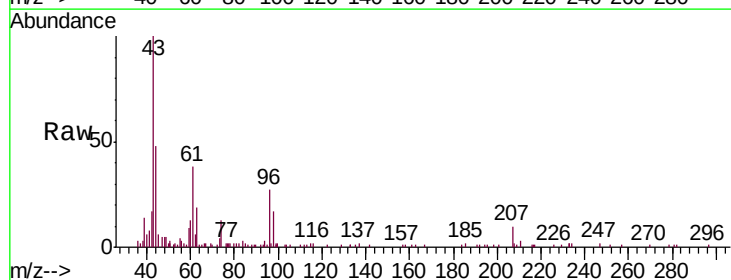
Acq: 12 May 2019 00:07

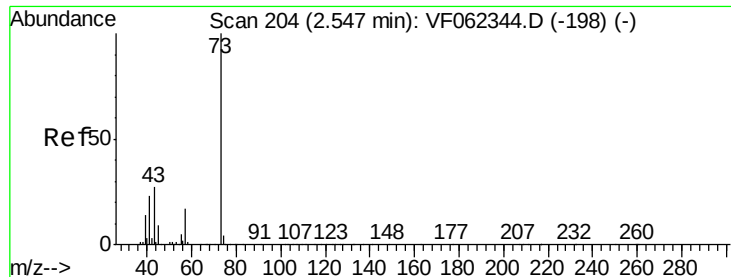
Tgt Ion: 43 Resp: 25728

Ion Ratio Lower Upper

43 100

74 14.9 15.0 22.4#





#19

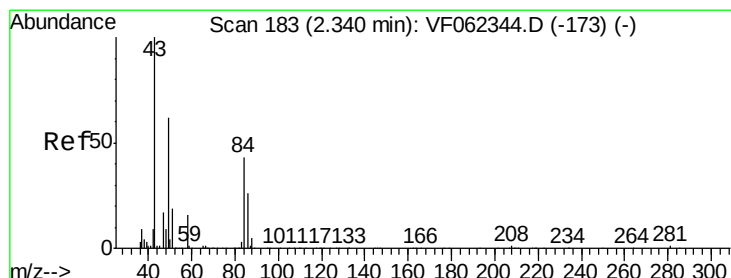
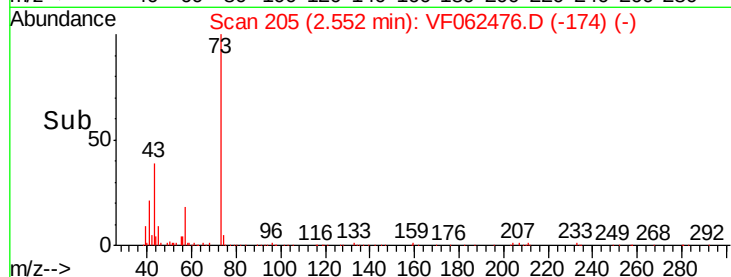
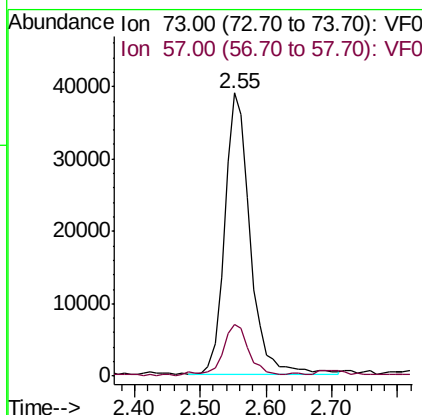
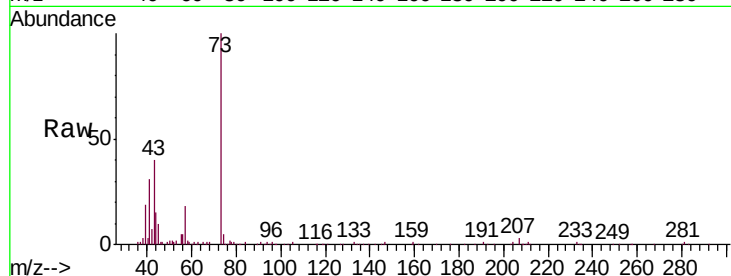
Methyl tert-butyl Ether
 Concen: 23.684 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
73	100		
57	17.1	13.7	20.5

Manual Integrations
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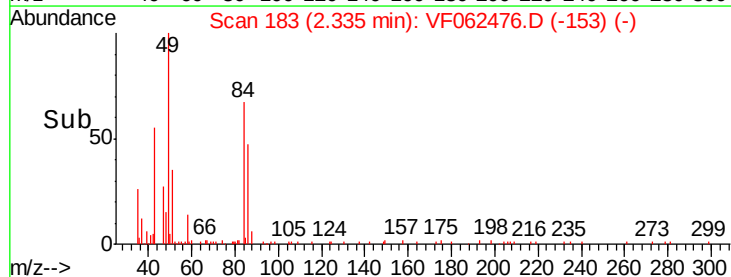
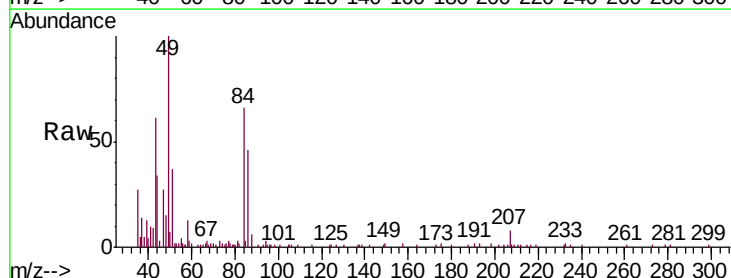
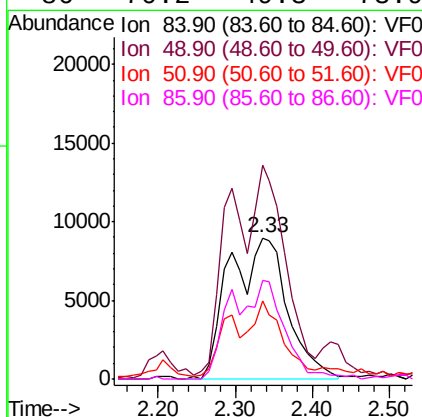
MMDadoda
 5/12/2019 12:05:14 PM

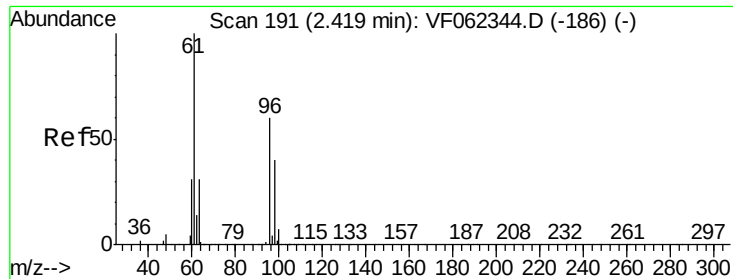


#20

Methylene Chloride
 Concen: 24.522 ug/l m
 RT: 2.33 min Scan# 183
 Delta R.T. -0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	151.7	117.5	176.3
51	55.5	37.0	55.4#
86	70.2	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 23.216 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

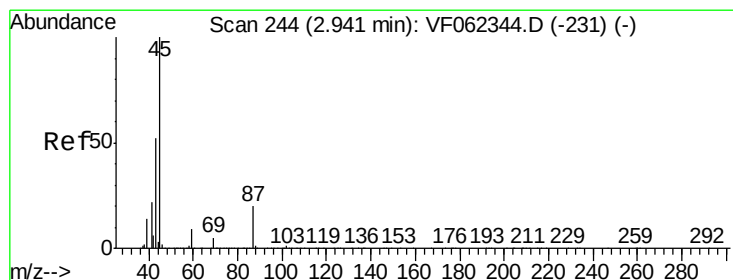
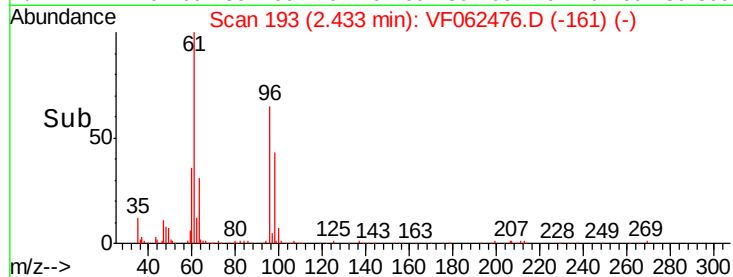
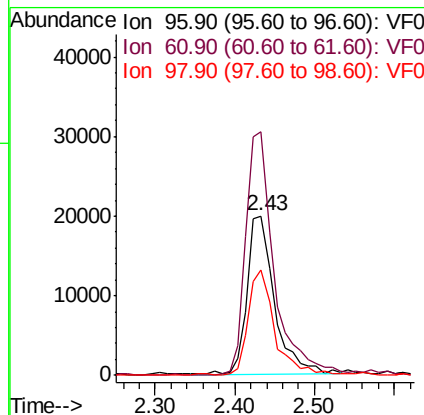
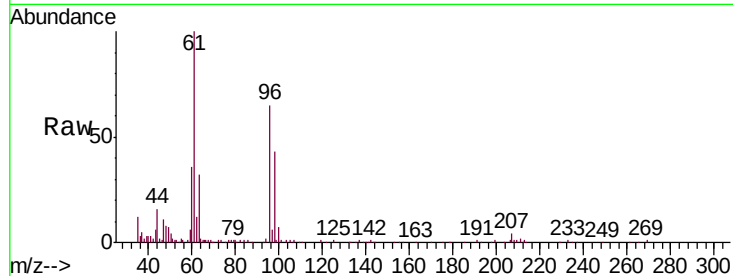
ClientSampleId :

VF0511SBS02

Tgt Ion:	96	Resp:	47340
Ion	Ratio	Lower	Upper
96	100		
61	153.5	133.2	199.8
98	66.4	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 23.338 ug/l

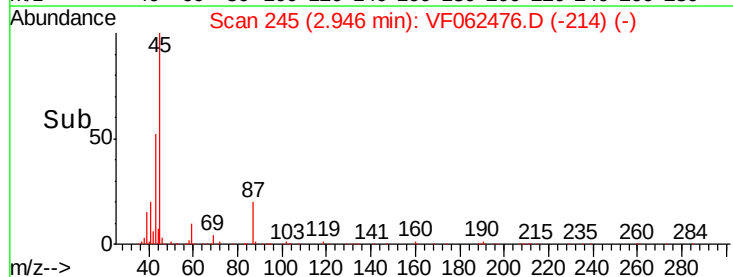
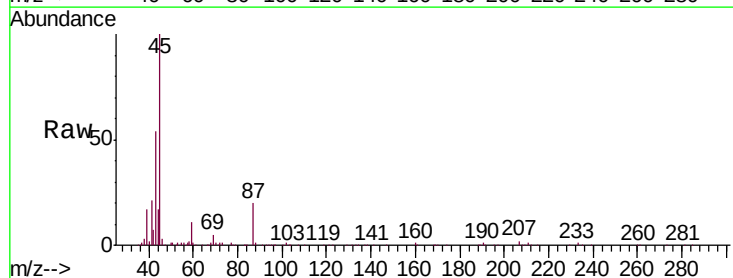
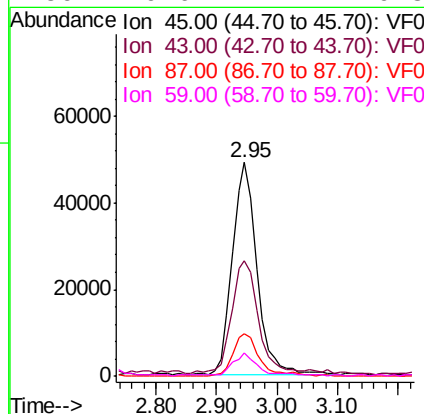
RT: 2.95 min Scan# 245

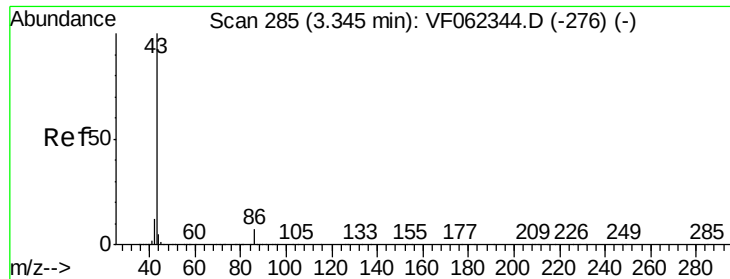
Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	45	Resp:	137903
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.4	62.0
87	20.1	15.8	23.6
59	10.6	7.2	10.8





#23

Vinyl Acetate

Concen: 113.275 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 298315

Ion Ratio Lower Upper

43 100

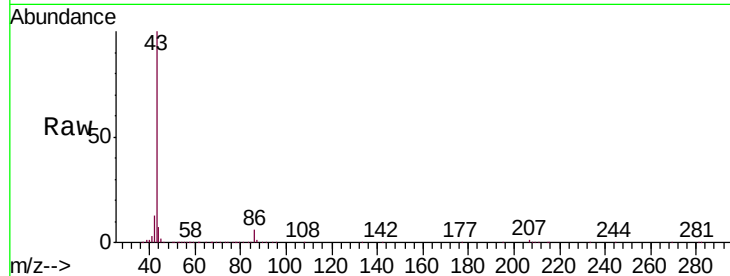
86 5.8 5.7 8.5

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

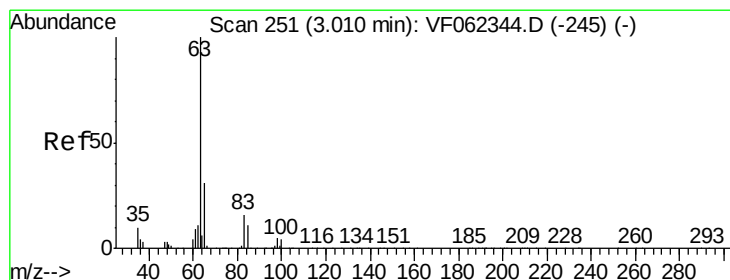
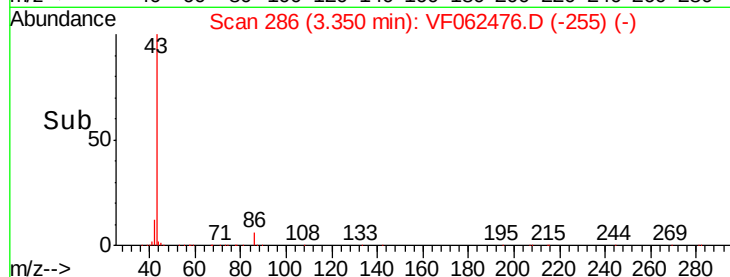
3.35

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 26.173 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

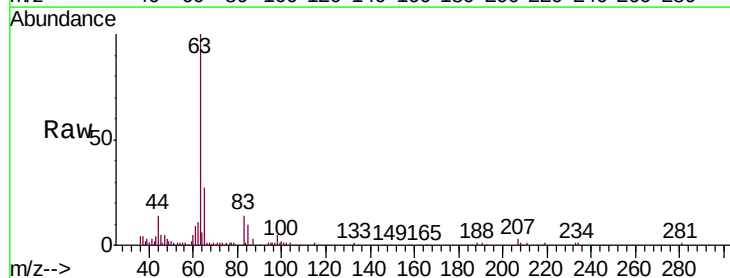
Tgt Ion: 63 Resp: 93469

Ion Ratio Lower Upper

63 100

98 4.8 2.6 8.0

100 2.3 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.02

40000

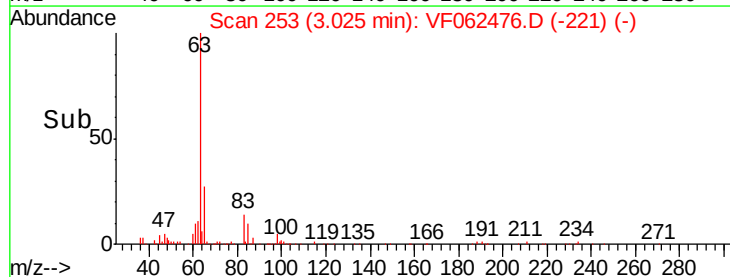
30000

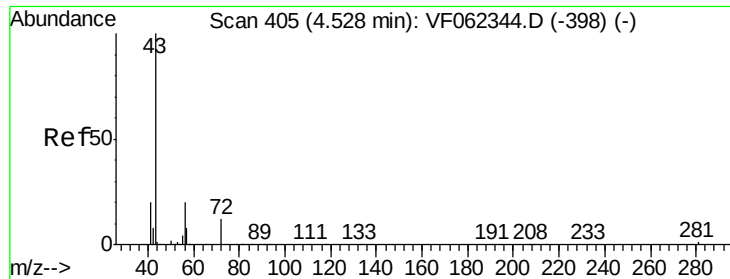
20000

10000

0

Time-->





#25

2-Butanone

Concen: 105.544 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 70764

Ion Ratio Lower Upper

43 100

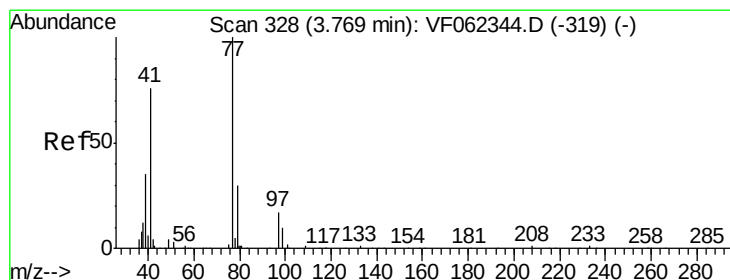
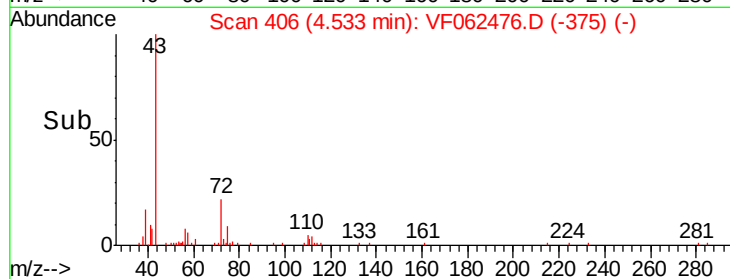
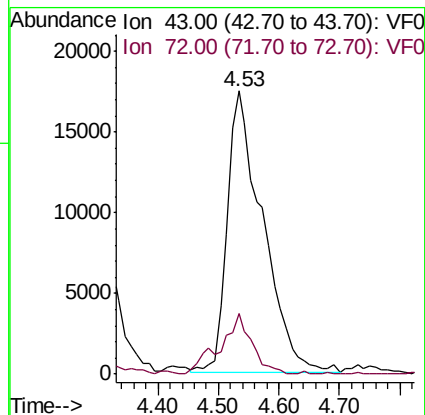
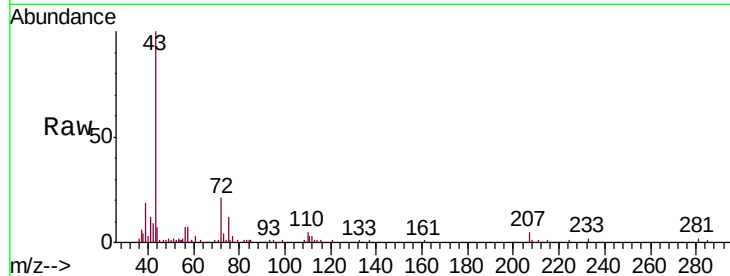
72 21.5 14.2 21.4#

Manual Integrations

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MMDadoda

5/12/2019 12:05:14 PM



#26

2,2-Dichloropropane

Concen: 26.397 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062476.D

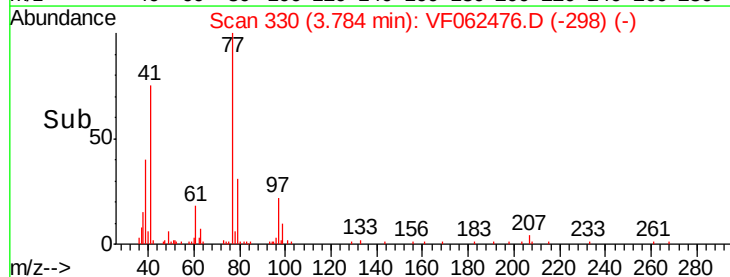
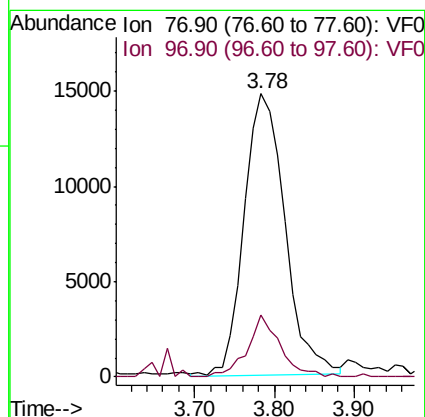
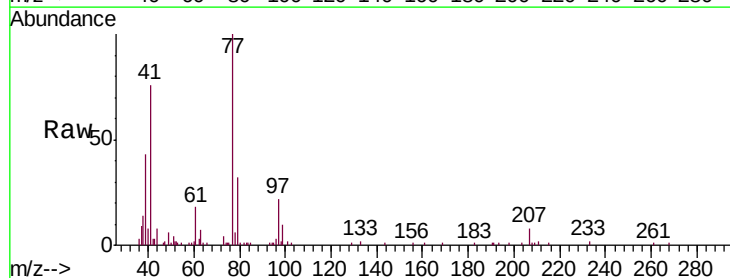
Acq: 12 May 2019 00:07

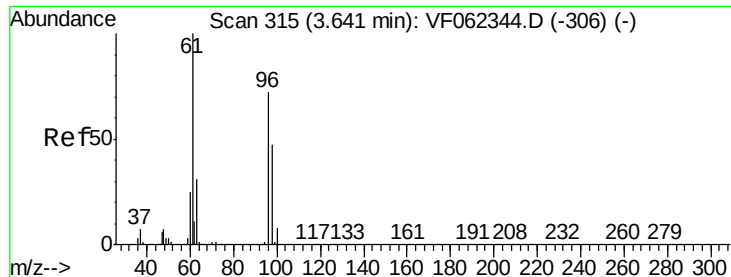
Tgt Ion: 77 Resp: 52644

Ion Ratio Lower Upper

77 100

97 17.7 9.5 28.5





#27

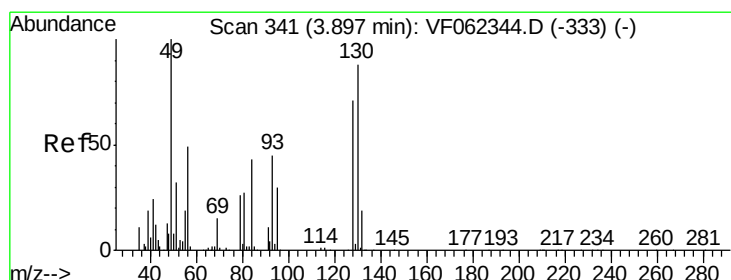
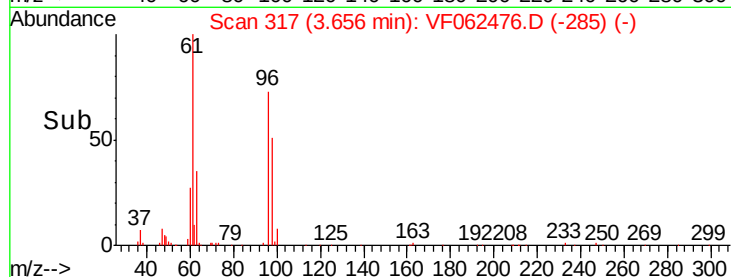
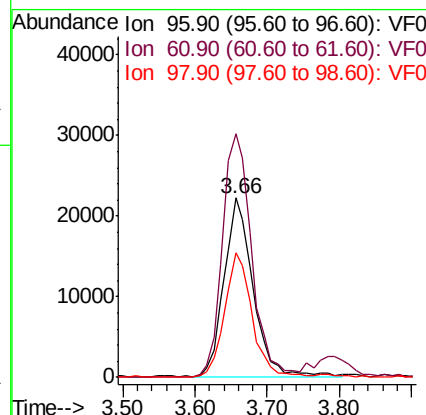
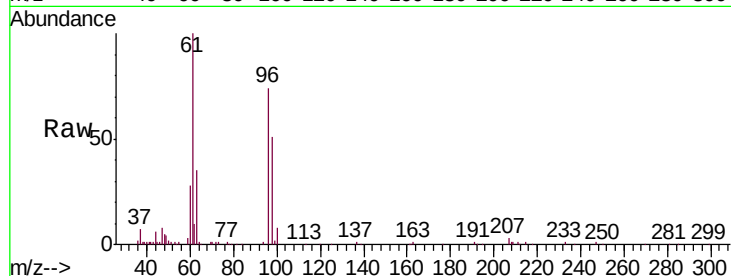
cis-1,2-Dichloroethene
Concen: 24.648 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	62826		
61	134.8	0.0	263.0	
98	64.7	0.0	130.8	

Manual Integrations
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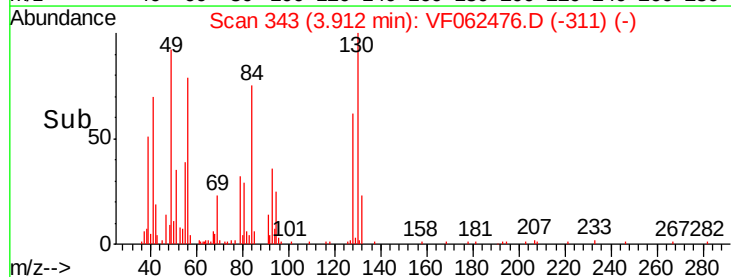
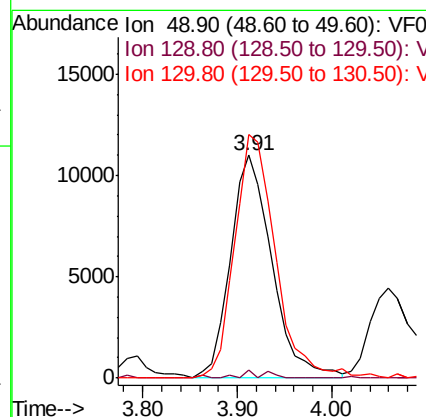
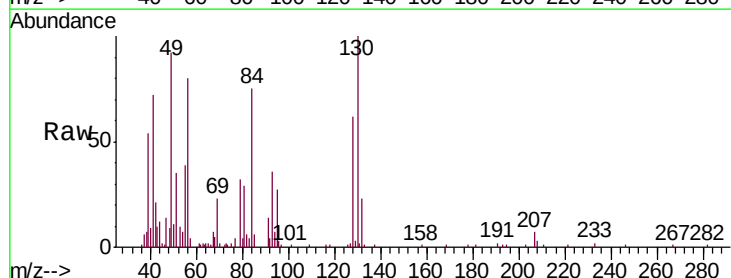
MMDadoda
5/12/2019 12:05:14 PM

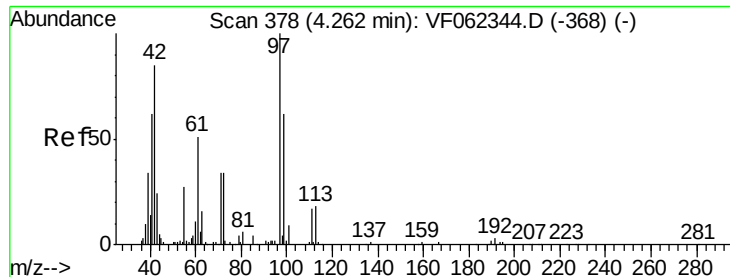


#28

Bromochloromethane
Concen: 20.669 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33476		
129	0.9	0.0	2.2	
130	107.9	79.4	119.0	





#29

Tetrahydrofuran

Concen: 107.748 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

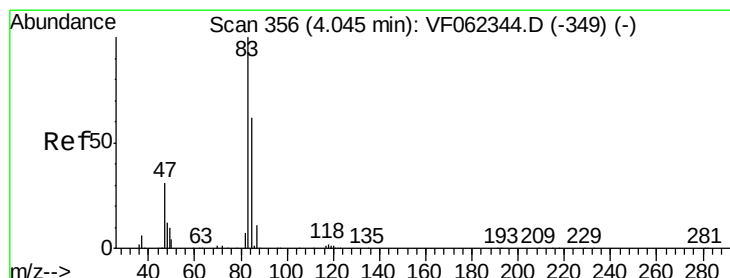
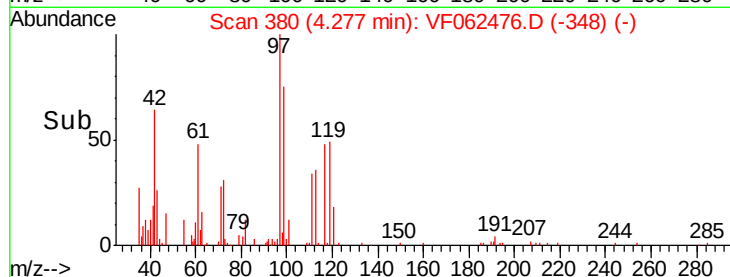
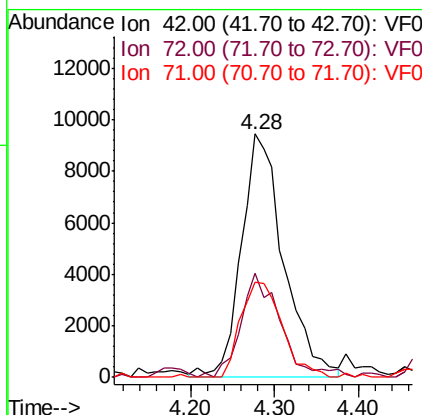
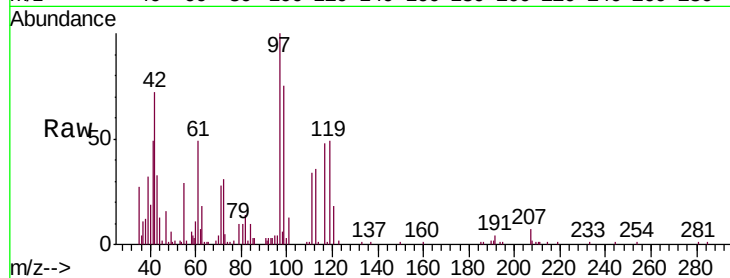
ClientSampleId :

VF0511SBS02

Tgt Ion:	42	Resp:	33202
Ion	Ratio	Lower	Upper
42	100		
72	40.3	31.4	47.0
71	38.3	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 25.494 ug/l

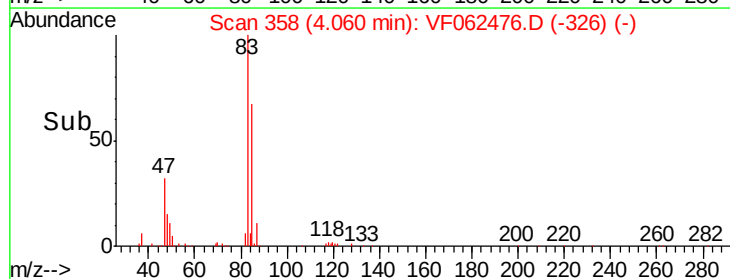
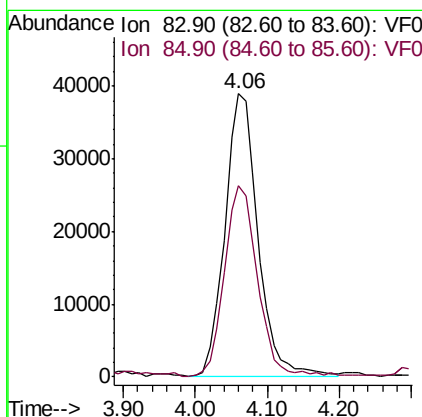
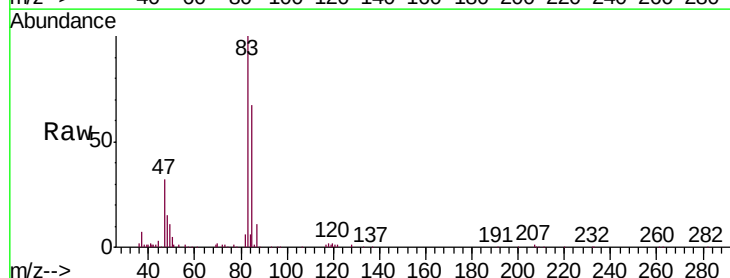
RT: 4.06 min Scan# 358

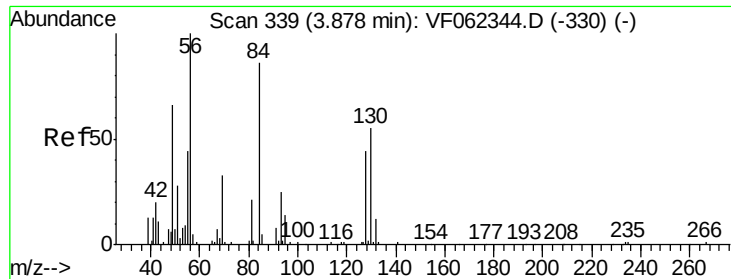
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	83	Resp:	123002
Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.6	74.4





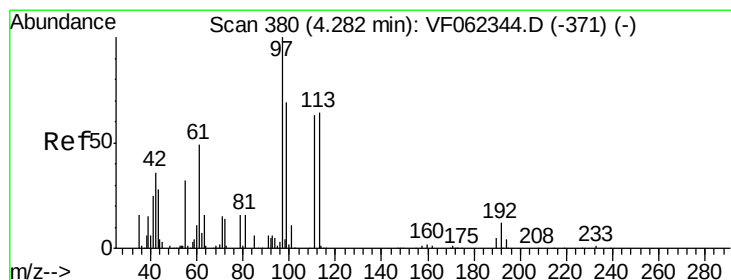
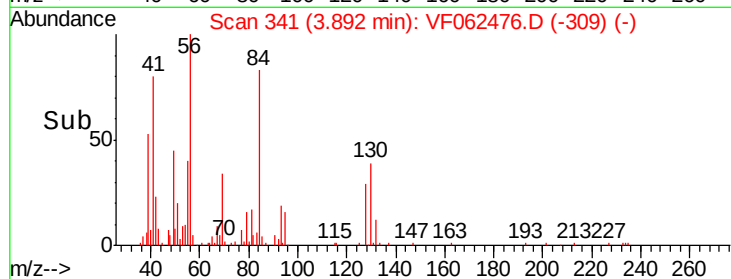
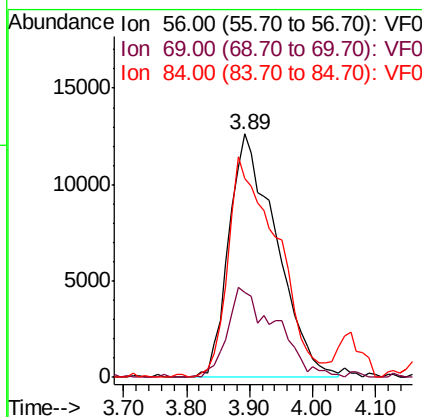
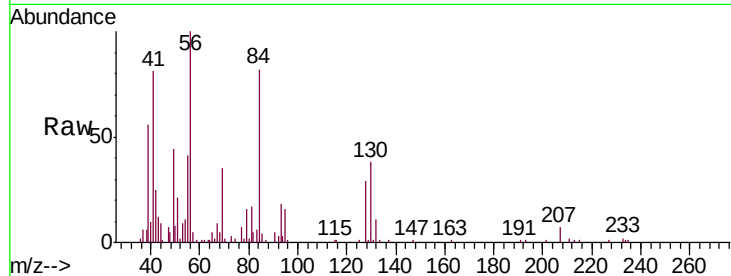
#31
Cyclohexane
Concen: 23.077 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.8	26.4	39.6
84	81.7	69.0	103.6

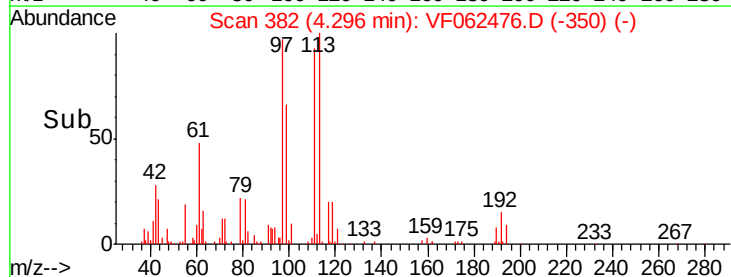
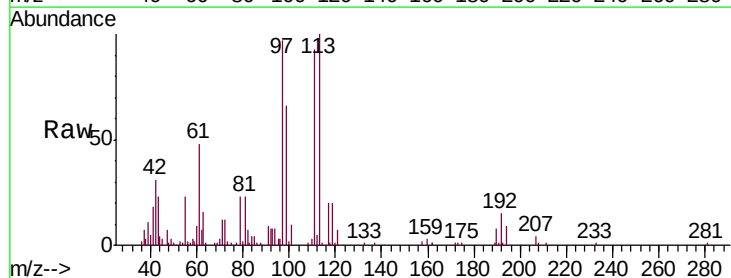
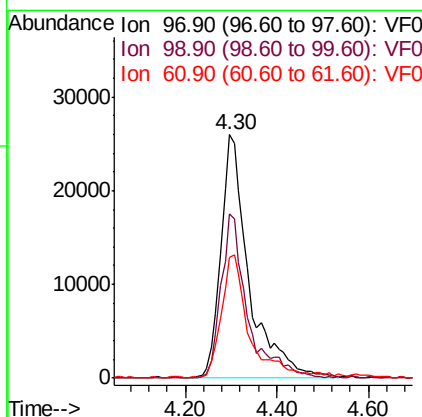
Manual Integrations
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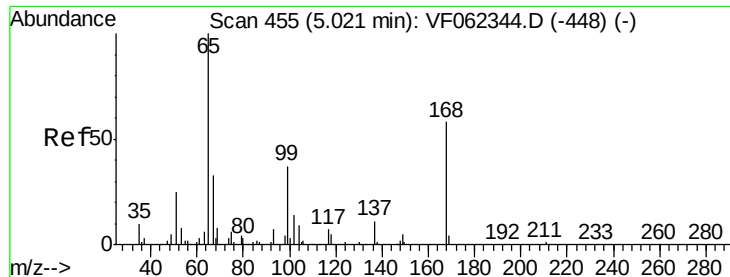
MMDadoda
5/12/2019 12:05:14 PM



#32
1,1,1-Trichloroethane
Concen: 26.796 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.6	78.8
61	49.0	39.4	59.0





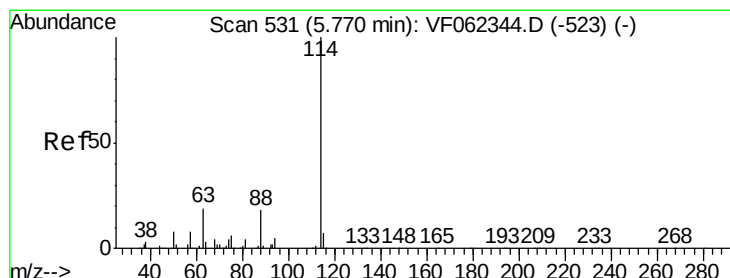
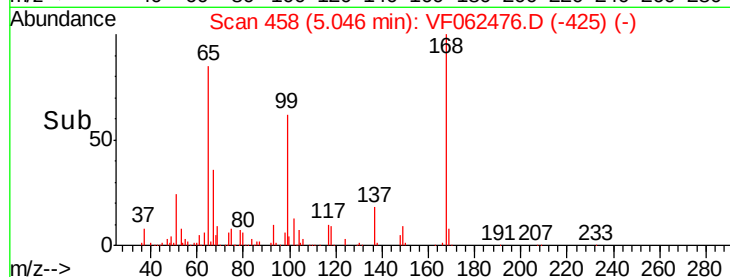
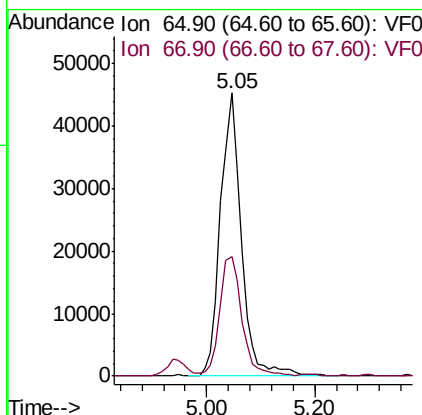
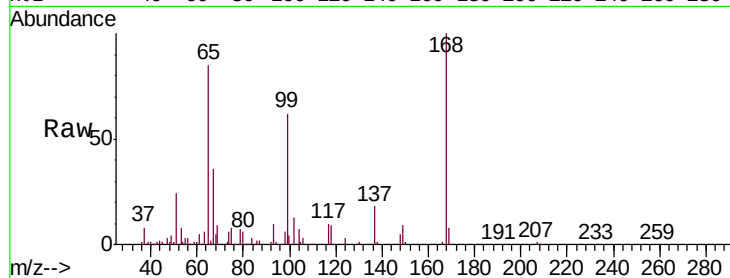
#33
 1,2-Dichloroethane-d4
 Concen: 46.118 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.02 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	121665		
67	43.7	0.0	85.8	

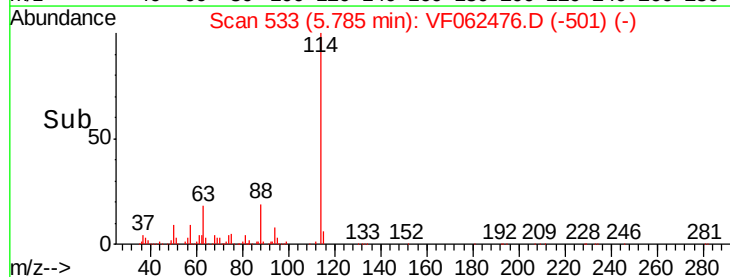
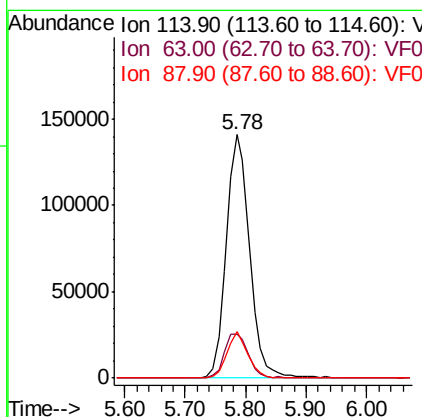
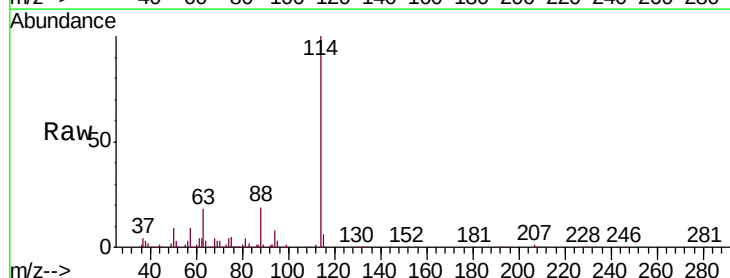
Manual Integrations
 APPROVED

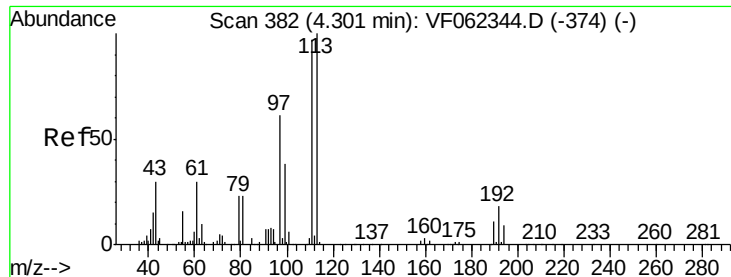
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	377115		
63	17.9	0.0	37.4	
88	19.3	0.0	36.4	





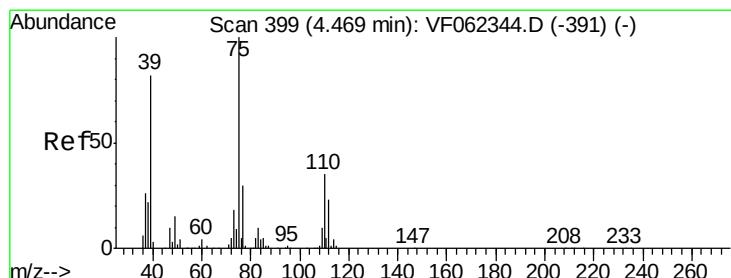
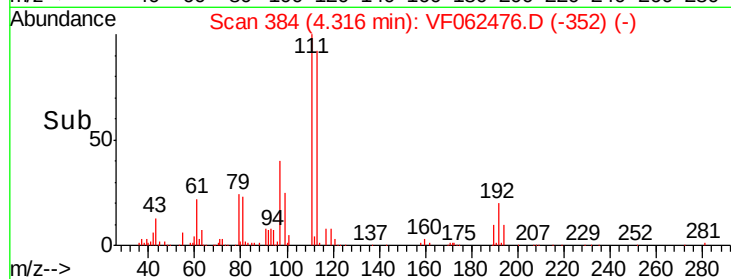
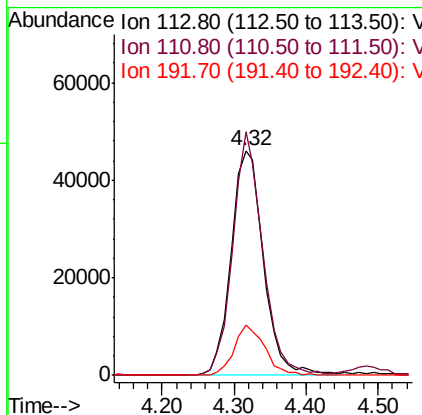
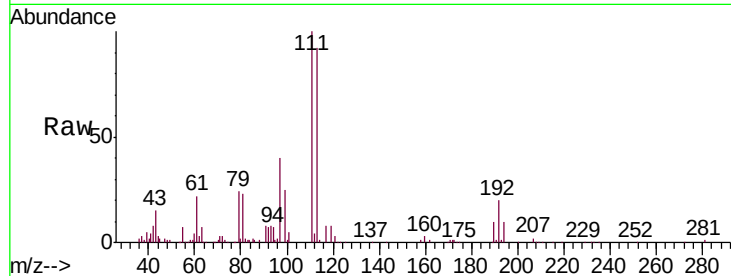
#35
 Dibromofluoromethane
 Concen: 48.069 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	144418		
111	100.2	79.4	119.0	
192	21.2	16.0	24.0	

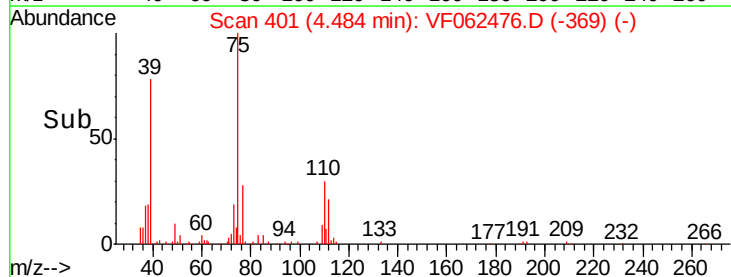
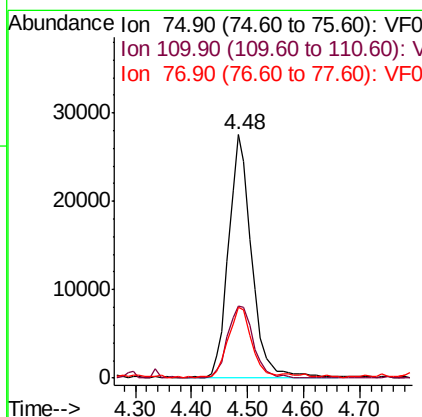
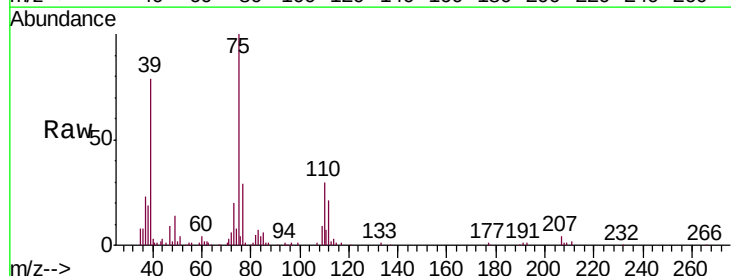
Manual Integrations
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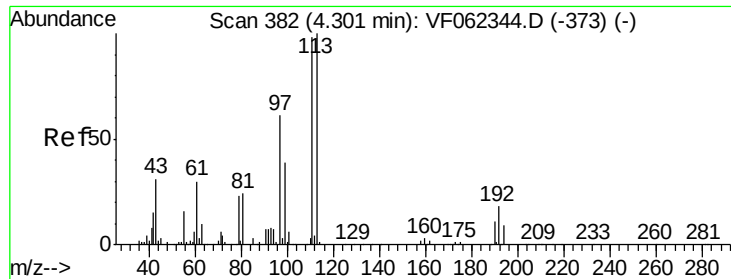
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#36
 1,1-Dichloropropene
 Concen: 24.478 ug/l
 RT: 4.48 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	79299		
110	32.6	17.2	51.5	
77	30.0	25.2	37.8	





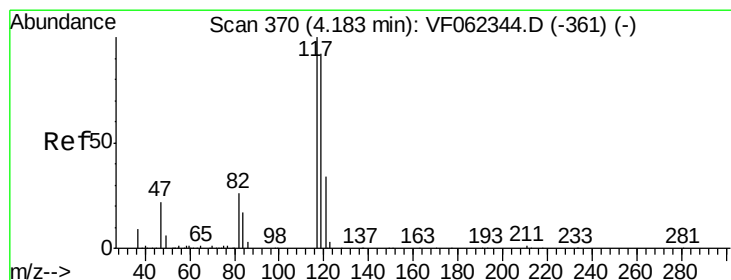
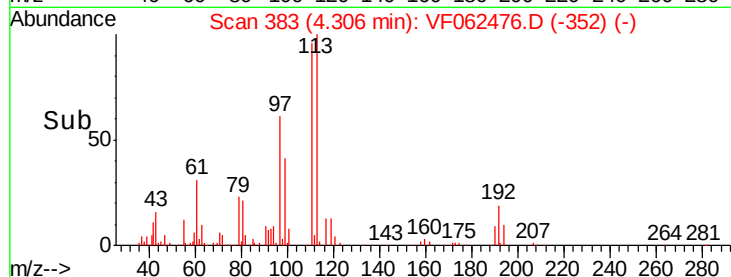
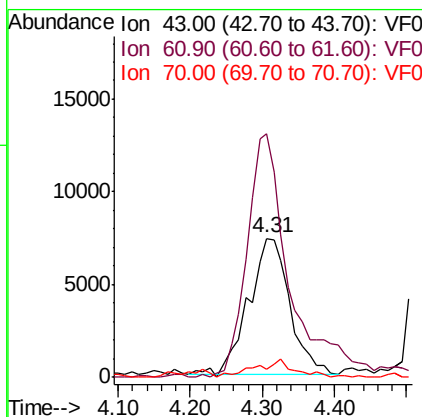
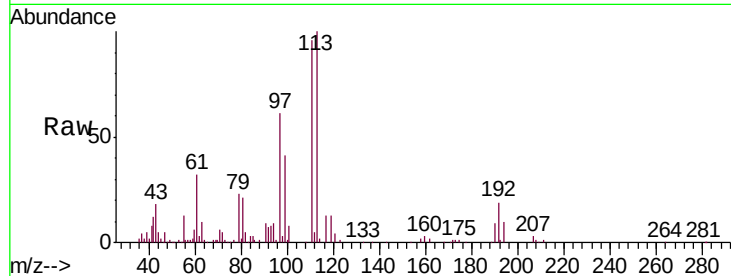
#37
Ethyl Acetate
Concen: 20.317 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	29576		
61	183.5	0.0	0.0#	
70	12.3	8.2	12.2#	

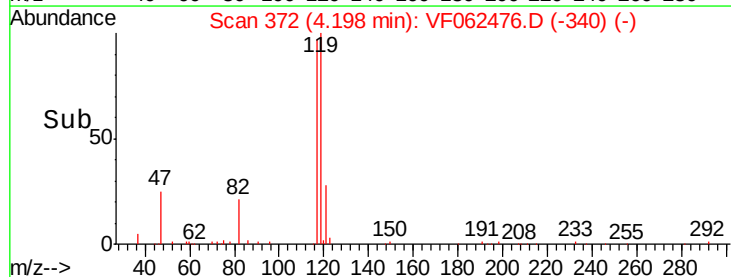
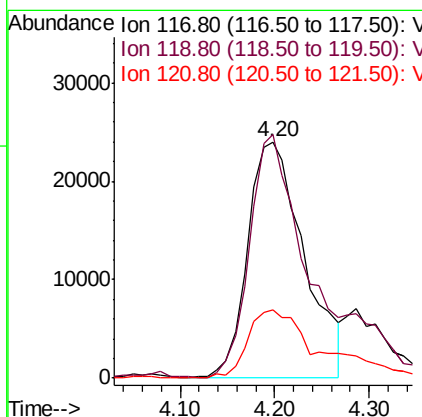
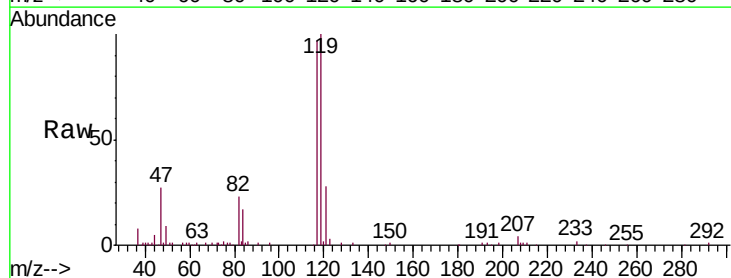
Manual Integrations
APPROVED

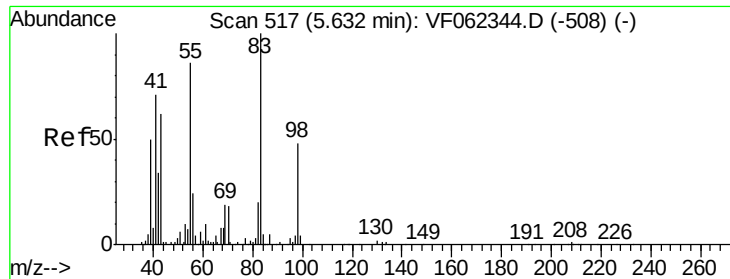
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#38
Carbon Tetrachloride
Concen: 28.339 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	99269		
119	102.3	73.4	110.2	
121	28.9	27.4	41.0	





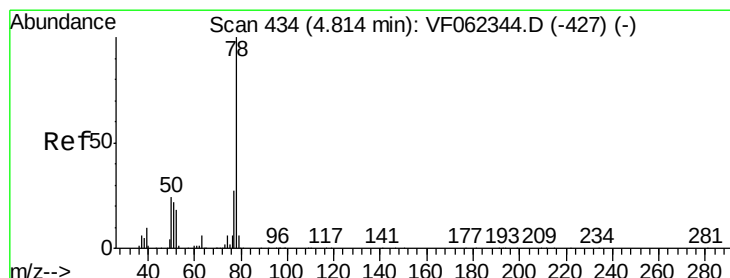
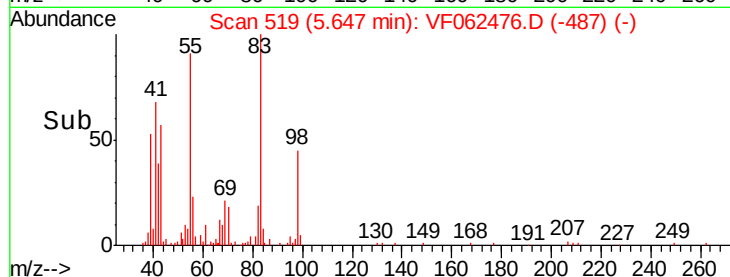
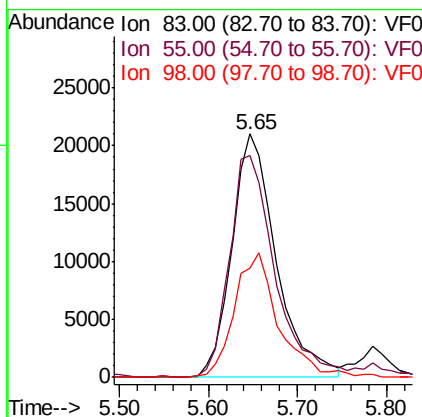
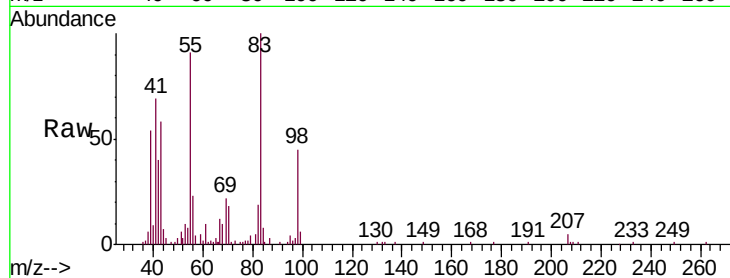
#39
Methylcyclohexane
Concen: 22.393 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.1	69.0	103.6
98	44.9	38.6	58.0

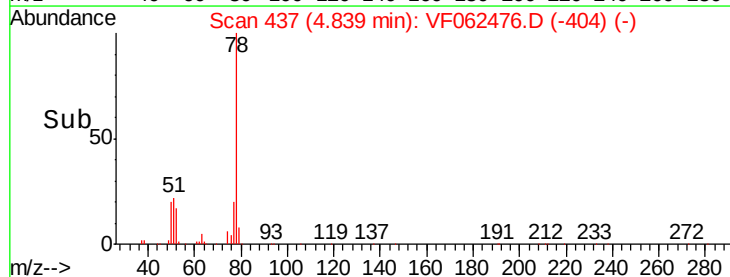
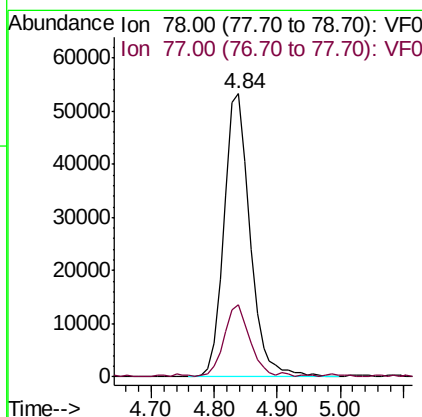
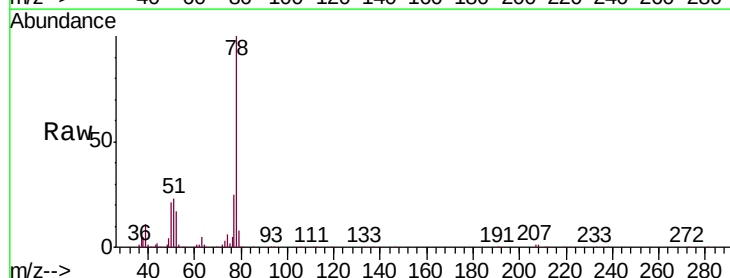
Manual Integrations
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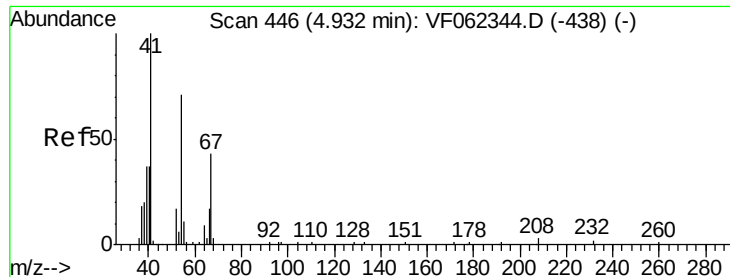
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#40
Benzene
Concen: 21.443 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.02 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	21.6	32.4





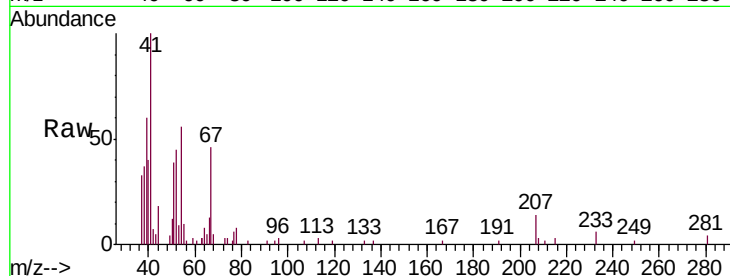
#41
Methacrylonitrile
Concen: 18.606 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.0	54.3	81.5
67	45.9	37.8	56.8
52	73.6	58.2	87.4

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:14 PM



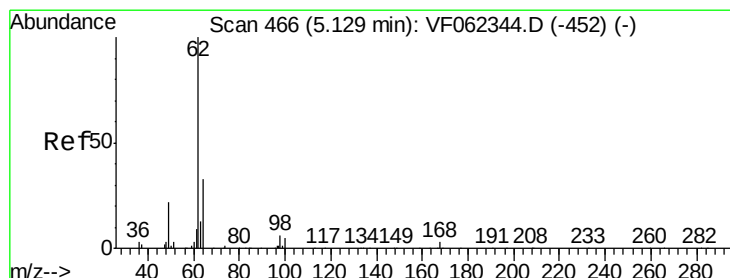
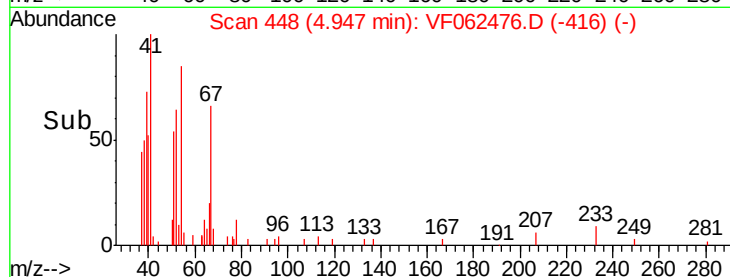
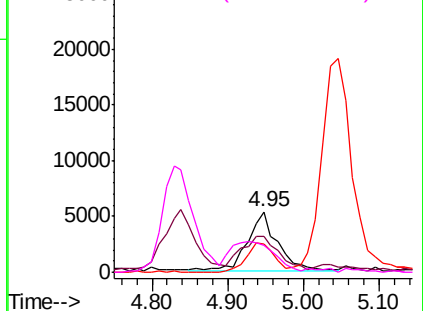
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

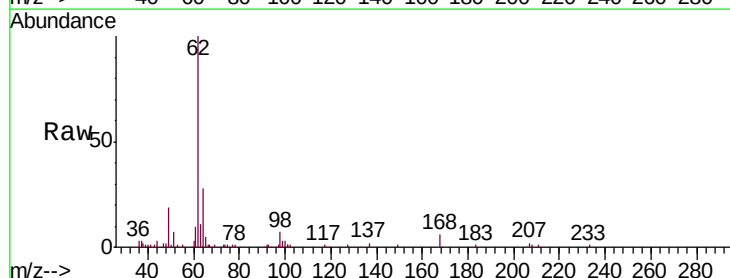
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 24.545 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

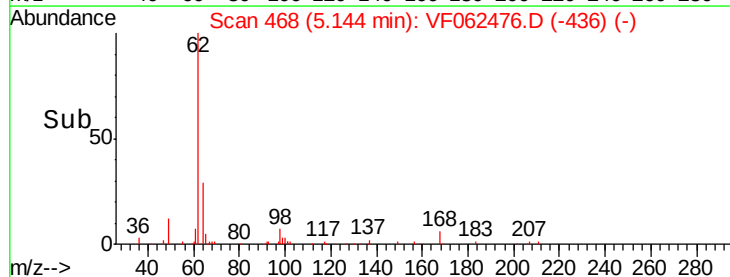
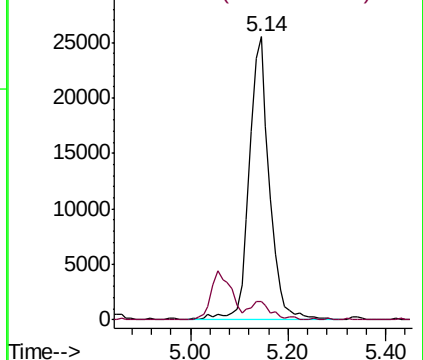
Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	12.4

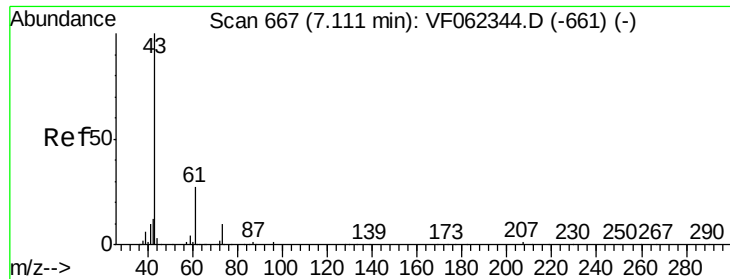


Abundance

Ion 61.90 (61.60 to 62.60): VF0

Ion 97.90 (97.60 to 98.60): VF0





#43

Isopropyl Acetate

Concen: 20.736 ug/l

RT: 7.13 min Scan# 669

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

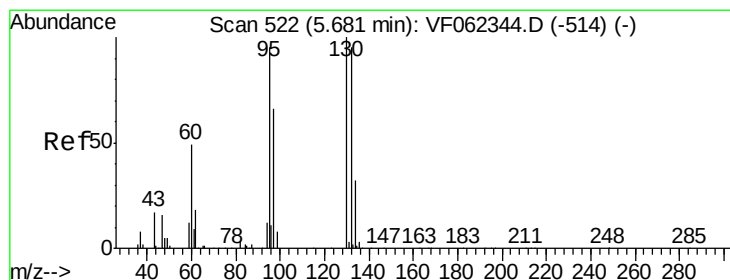
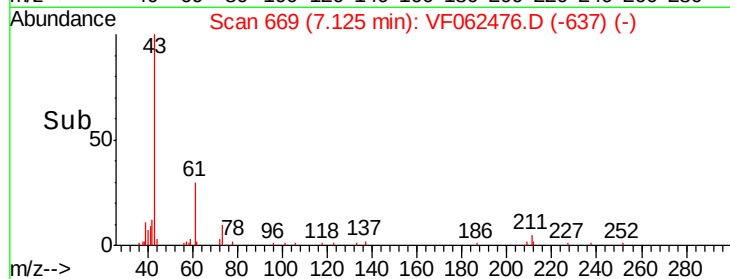
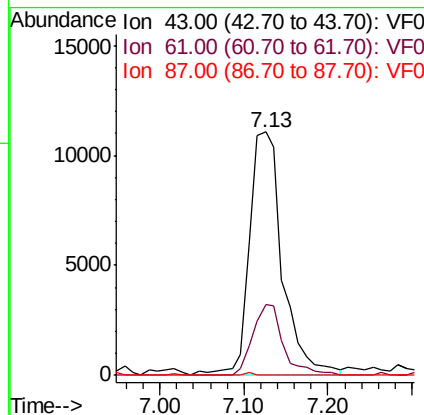
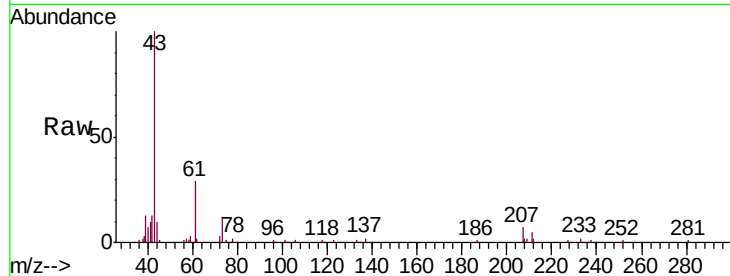
ClientSampleId :

VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
43	100		
61	27.0	22.8	34.2
87	0.3	0.6	1.0

Manual Integrations
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#44

Trichloroethene

Concen: 24.880 ug/l

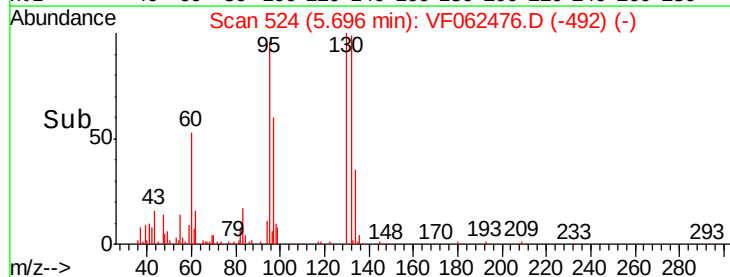
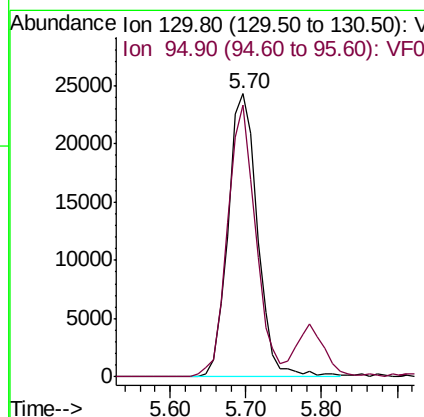
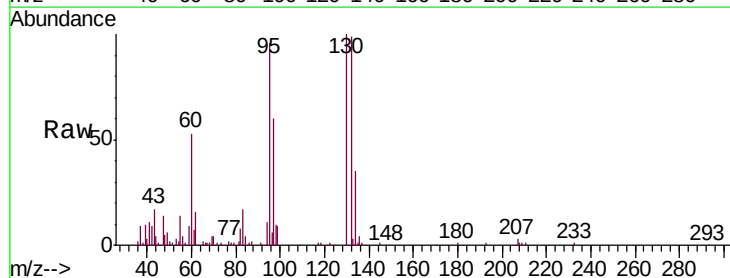
RT: 5.70 min Scan# 524

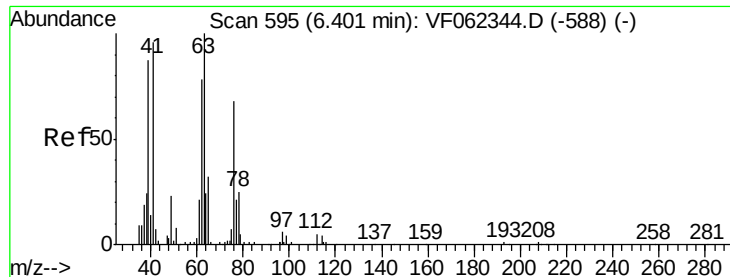
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	189.0





#45

1,2-Dichloropropane

Concen: 22.942 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 63 Resp: 37069

Ion Ratio Lower Upper

63 100

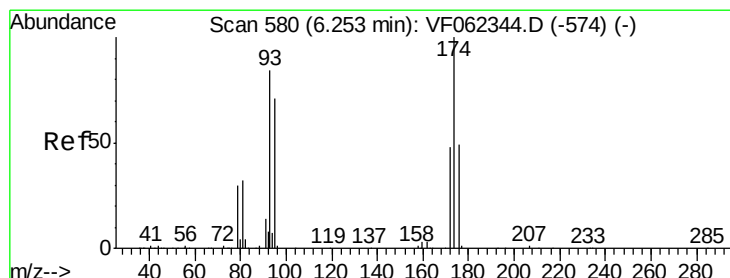
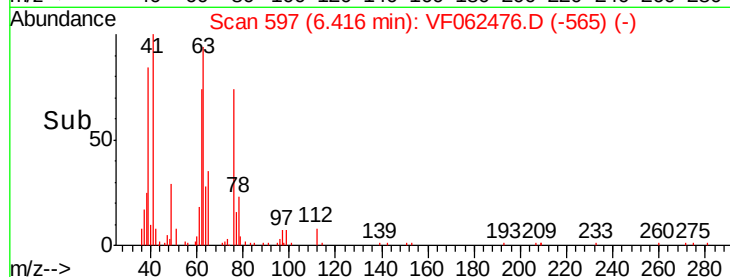
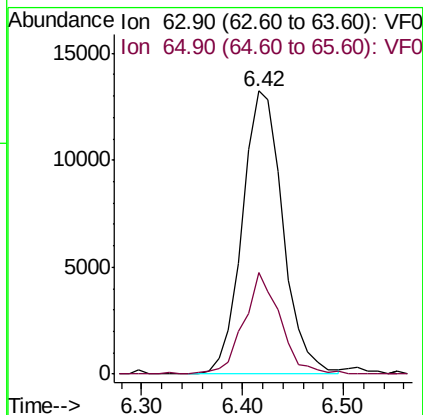
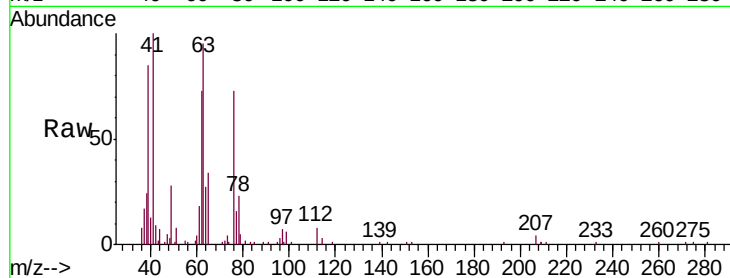
65 36.0 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 22.068 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.02 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

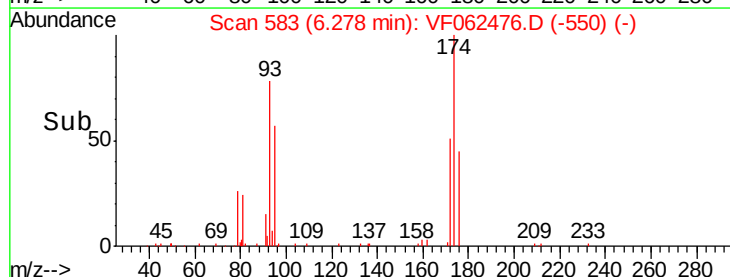
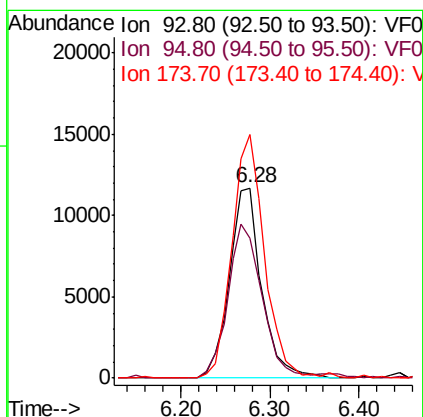
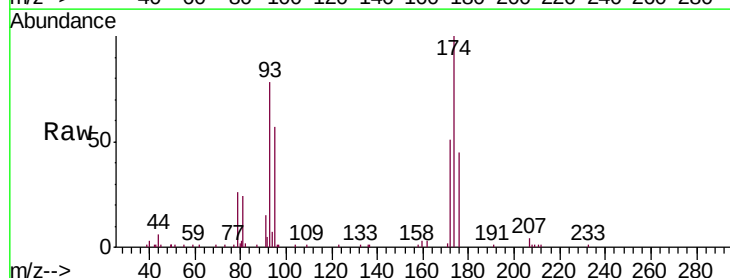
Tgt Ion: 93 Resp: 29564

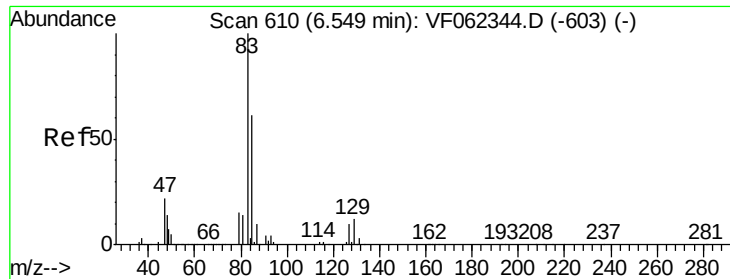
Ion Ratio Lower Upper

93 100

95 85.6 68.4 102.6

174 129.3 99.6 149.4





#47

Bromodichloromethane

Concen: 23.248 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

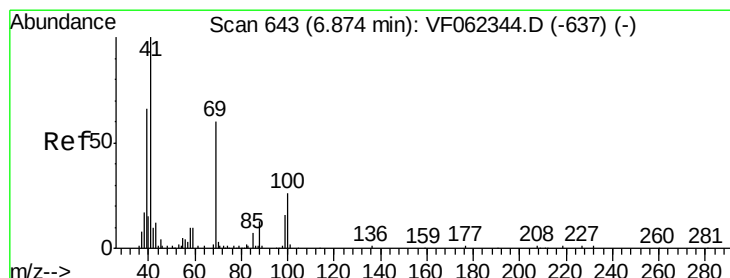
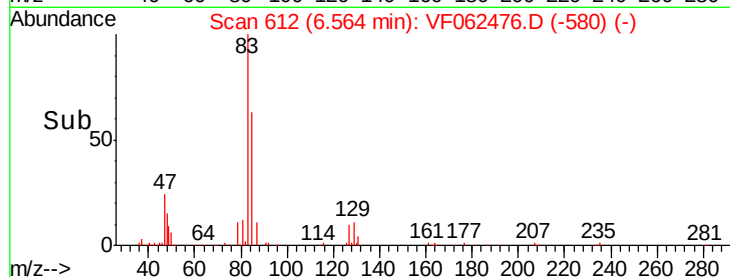
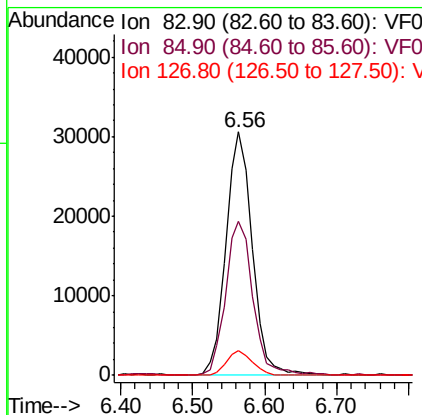
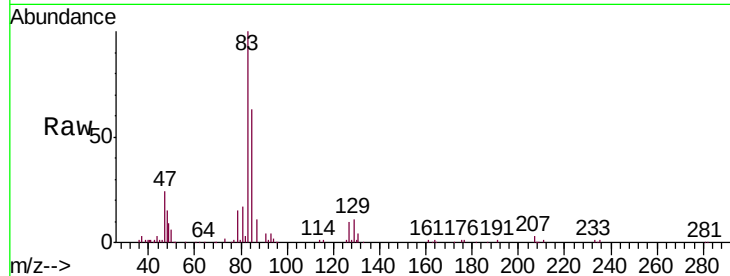
ClientSampleId :

VF0511SBS02

Tgt Ion:	83	Resp:	77868
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.1	73.7
127	10.0	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.872 ug/l

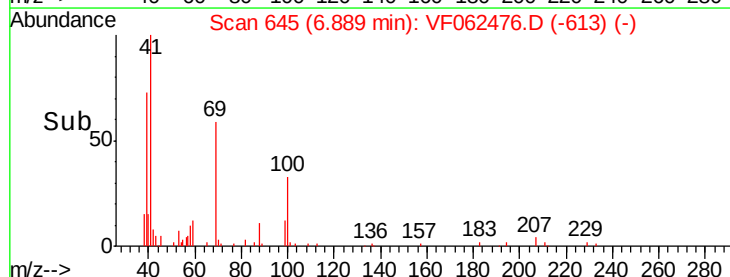
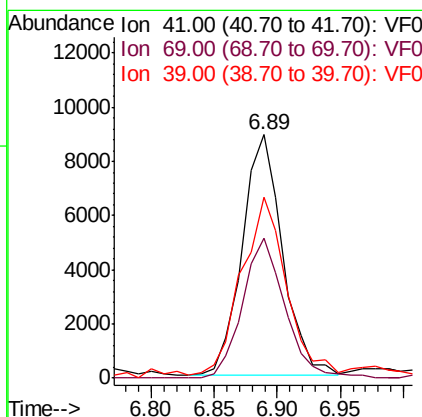
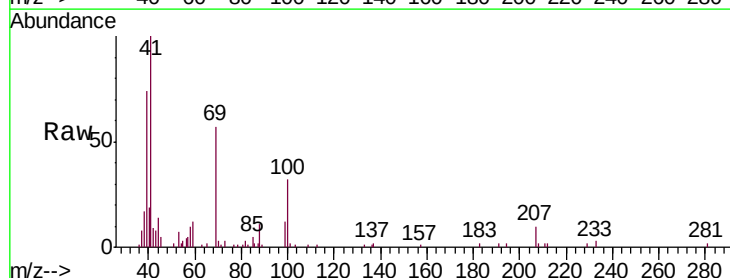
RT: 6.89 min Scan# 645

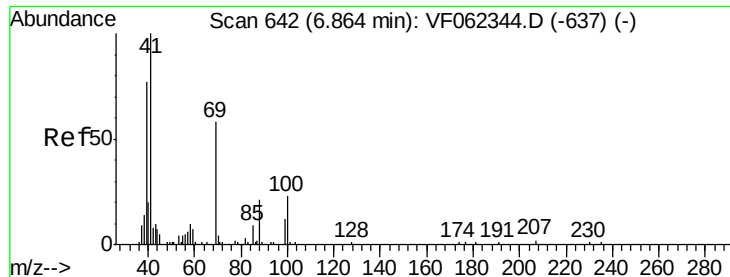
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	41	Resp:	19652
Ion	Ratio	Lower	Upper
41	100		
69	61.7	48.6	72.8
39	81.9	56.1	84.1





#49

1,4-Dioxane

Concen: 329.246 ug/l

RT: 6.88 min Scan# 644

Delta R.T. 0.02 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

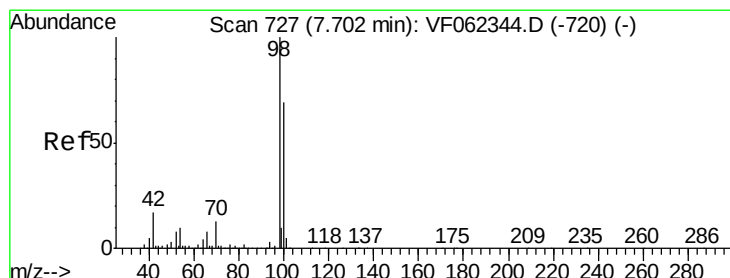
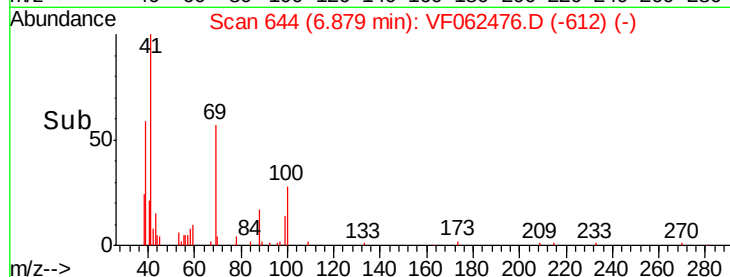
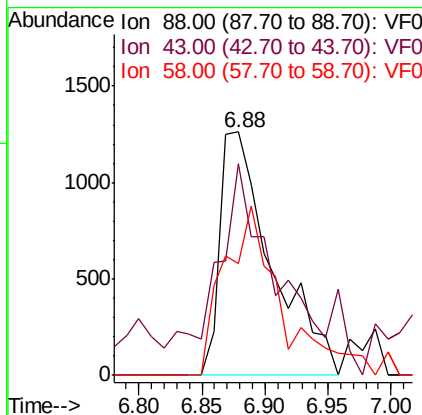
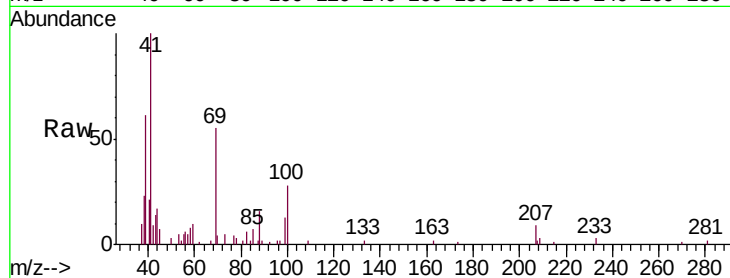
ClientSampleId :

VF0511SBS02

Tgt Ion:	88	Resp:	3620
Ion	Ratio	Lower	Upper
88	100		
43	109.4	55.6	83.4#
58	76.2	52.8	79.2

Manual Integrations
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#50

Toluene-d8

Concen: 42.540 ug/l

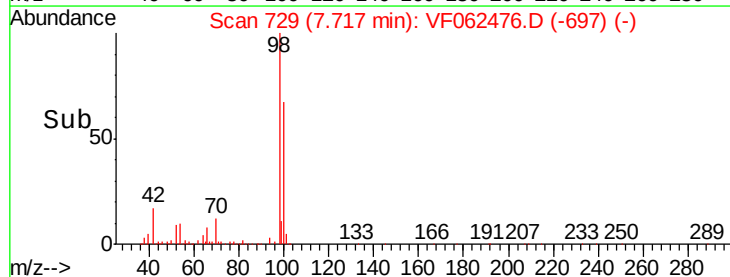
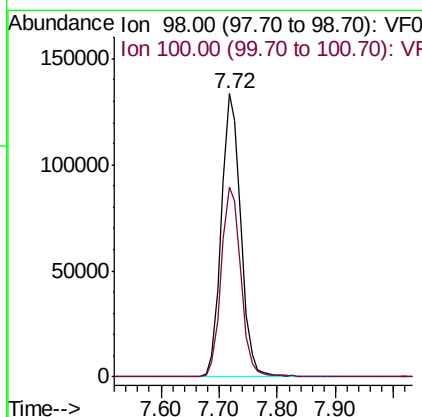
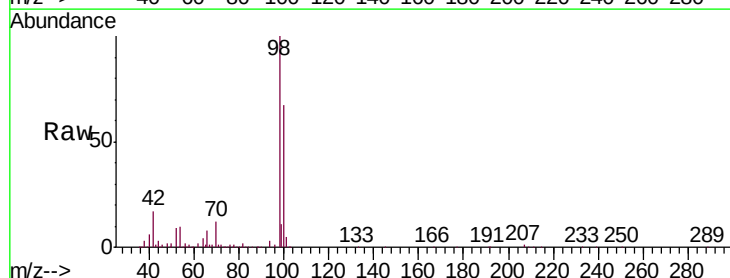
RT: 7.72 min Scan# 729

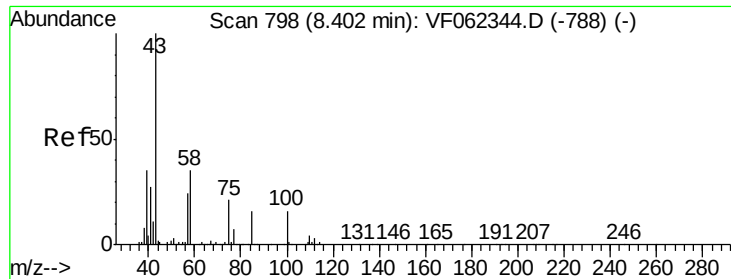
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	98	Resp:	309380
Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 102.932 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 43 Resp: 114928

Ion Ratio Lower Upper

43 100

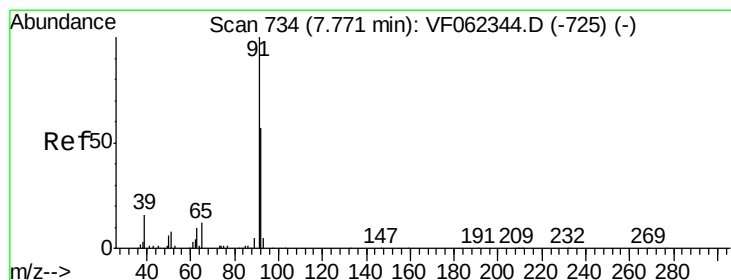
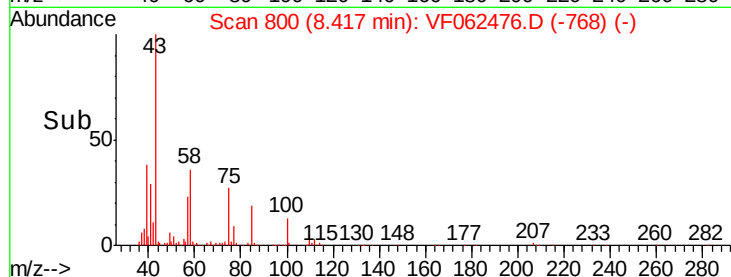
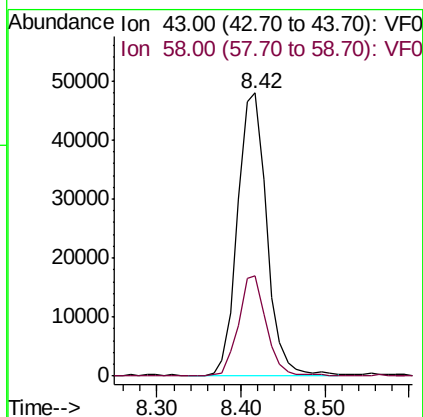
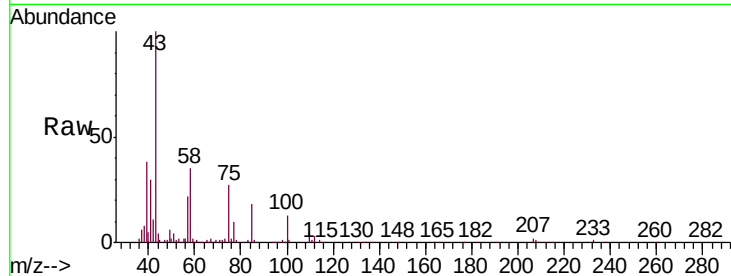
58 34.2 27.8 41.6

Manual Integrations

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5/12/2019 12:05:14 PM



#52

Toluene

Concen: 22.686 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.01 min

Lab File: VF062476.D

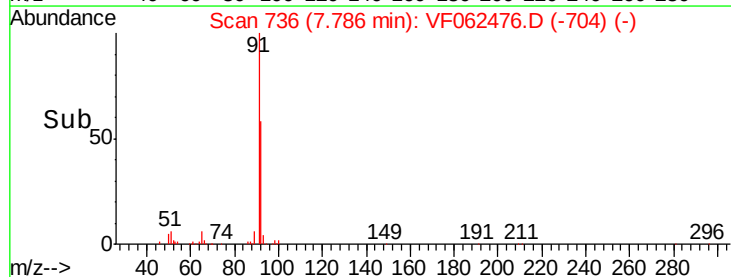
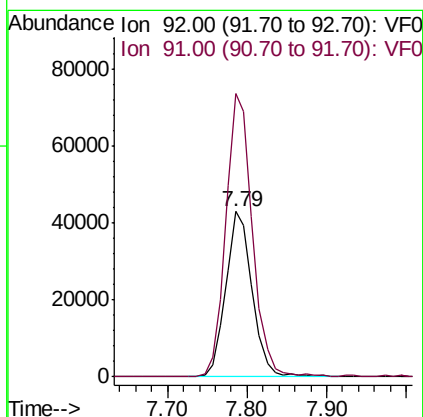
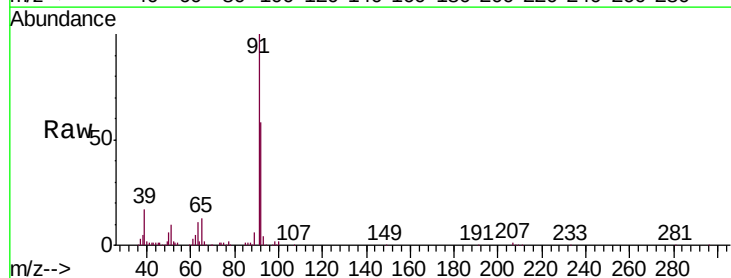
Acq: 12 May 2019 00:07

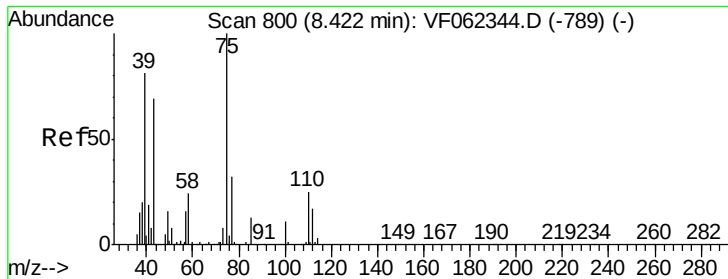
Tgt Ion: 92 Resp: 99836

Ion Ratio Lower Upper

92 100

91 172.8 138.7 208.1





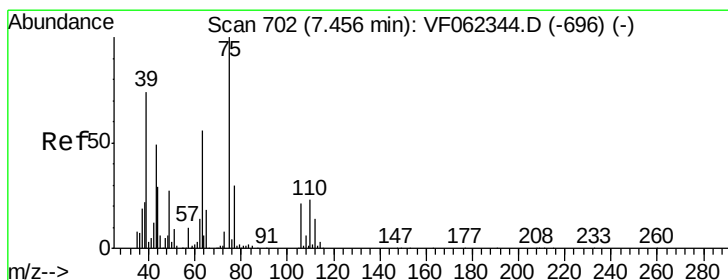
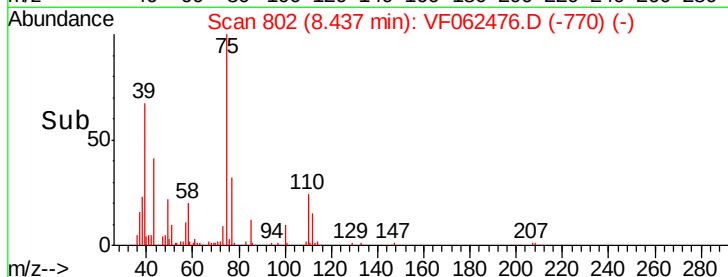
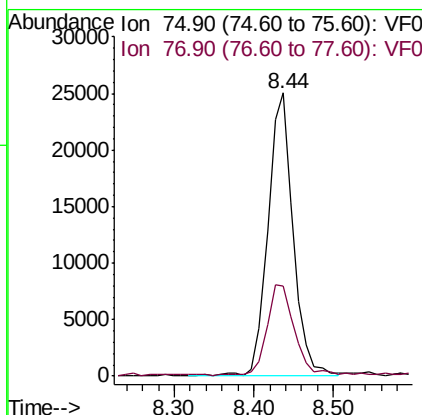
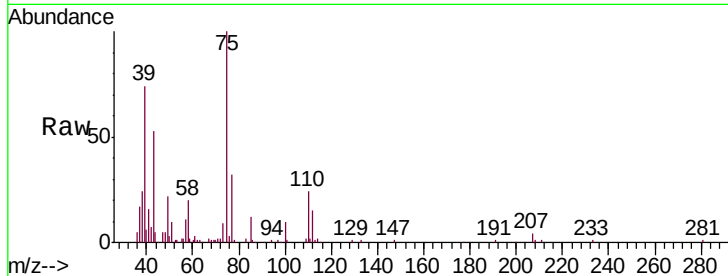
#53
t-1,3-Dichloropropene
Concen: 21.751 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0

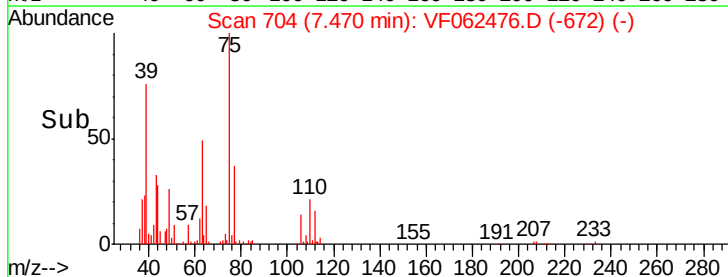
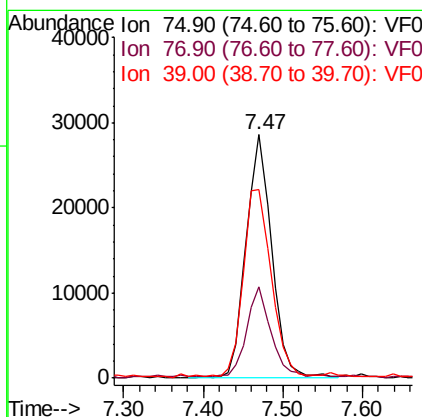
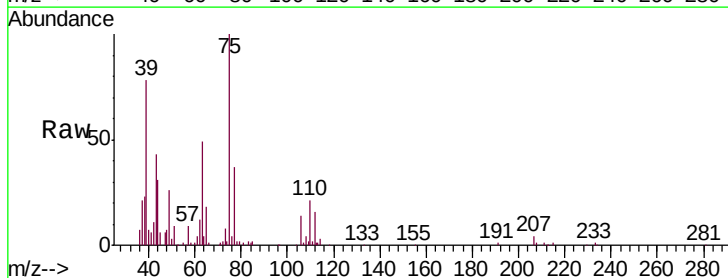
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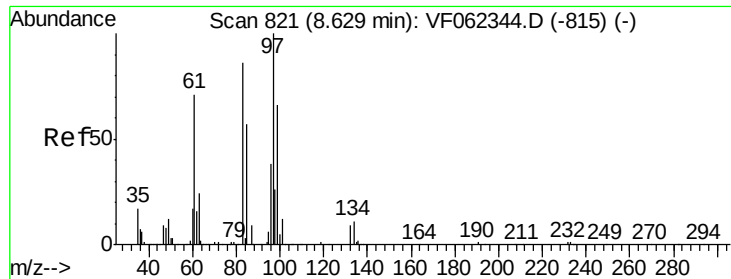
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#54
cis-1,3-Dichloropropene
Concen: 21.571 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
75	100		
77	36.6	24.0	36.0#
39	77.2	58.7	88.1





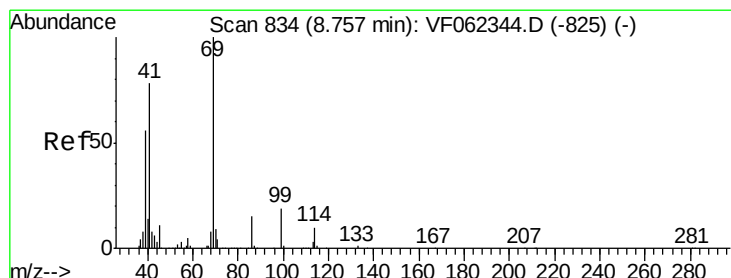
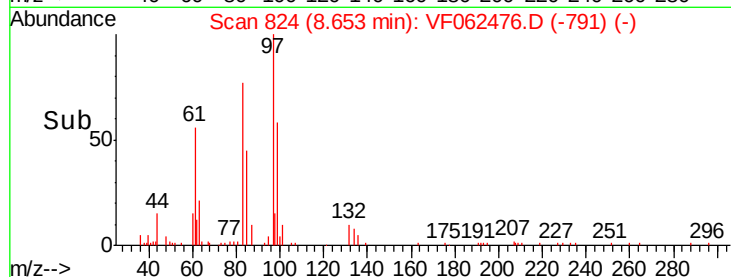
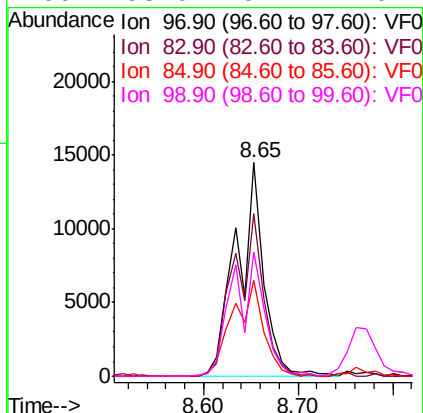
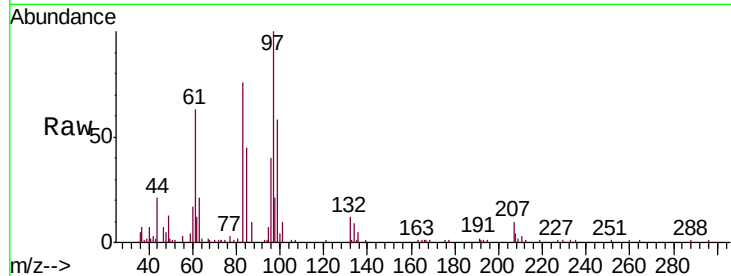
#55
 1,1,2-Trichloroethane
 Concen: 20.569 ug/l
 RT: 8.65 min Scan# 824
 Delta R.T. 0.02 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	28736		
83	75.9	68.5	102.7	
85	45.0	45.4	68.2#	
99	58.0	52.7	79.1	

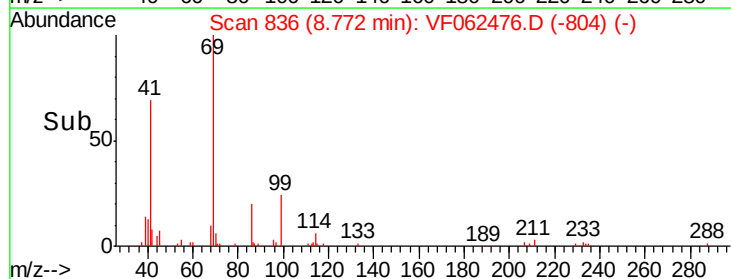
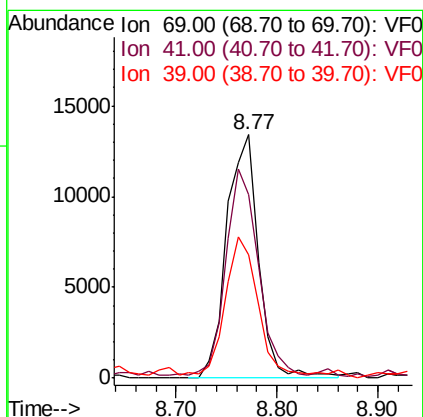
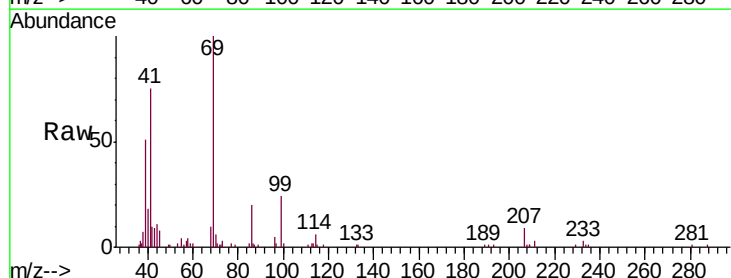
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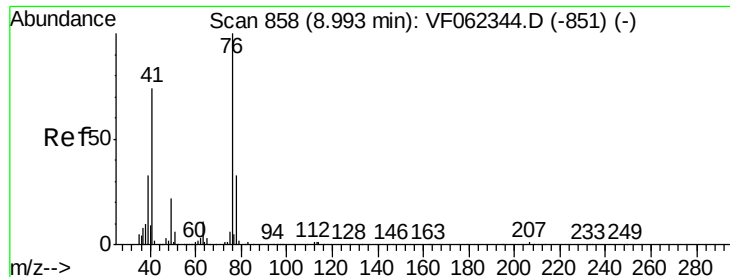
MMDadoda
 5/12/2019 12:05:14 PM



#56
 Ethyl methacrylate
 Concen: 20.027 ug/l
 RT: 8.77 min Scan# 836
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	29534		
41	86.0	66.3	99.5	
39	55.7	50.1	75.1	





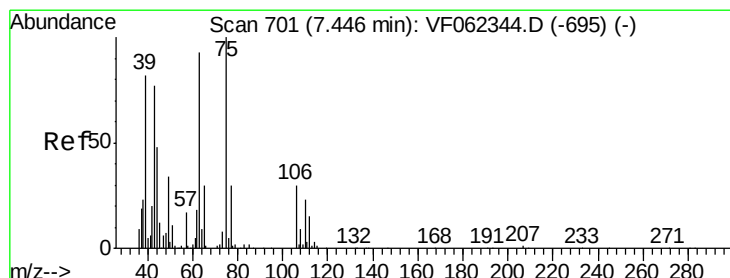
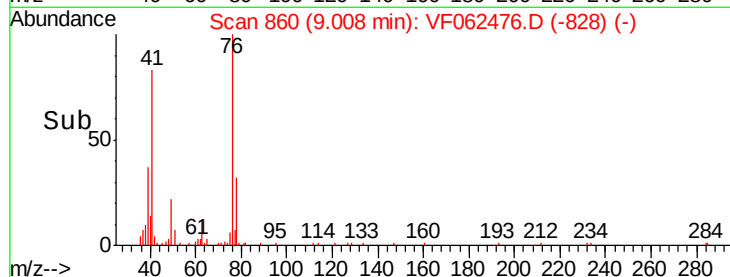
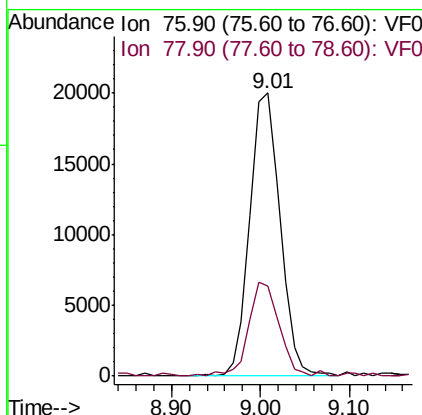
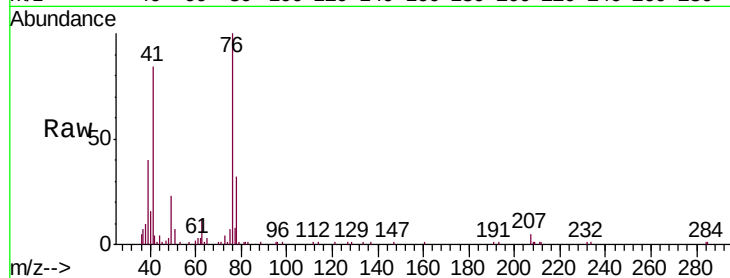
#57
 1,3-Dichloropropane
 Concen: 22.295 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion: 76 Resp: 47049
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.4 39.6

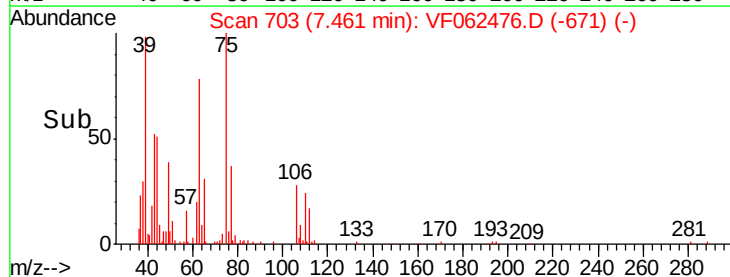
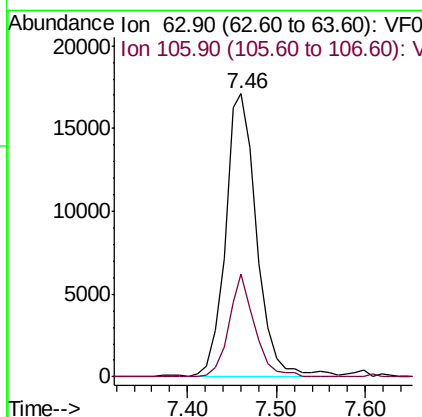
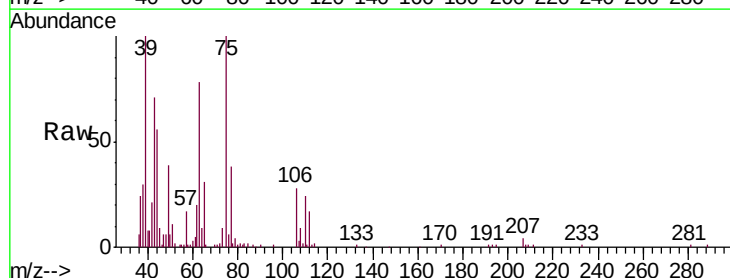
Manual Integrations
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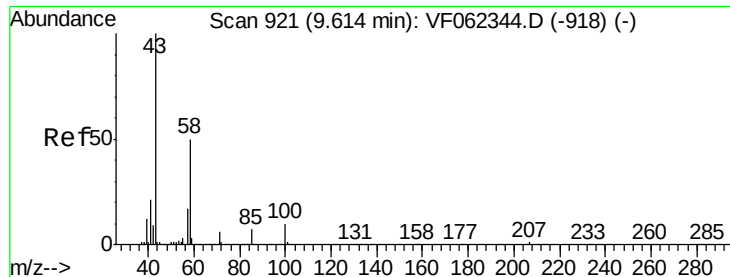
MMDadoda
 5/12/2019 12:05:14 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.824 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion: 63 Resp: 42042
 Ion Ratio Lower Upper
 63 100
 106 29.8 25.8 38.8





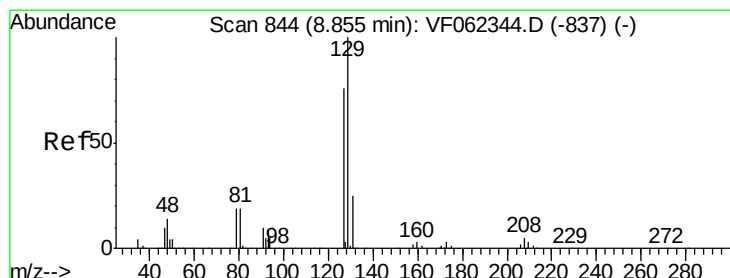
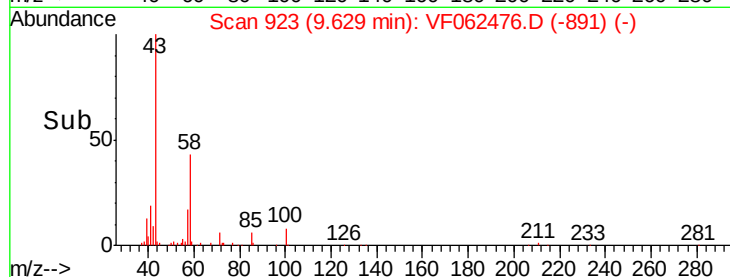
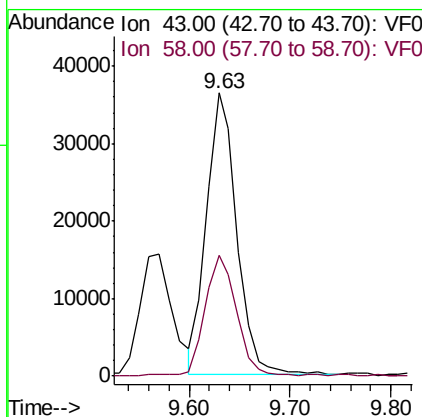
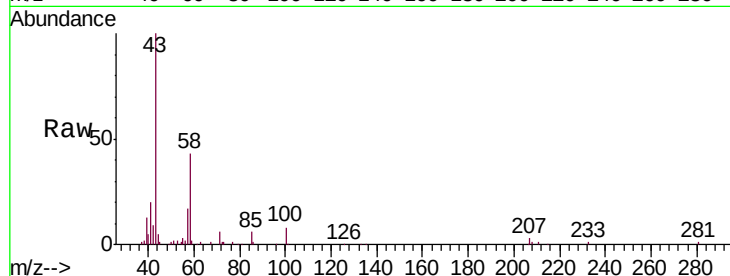
#59
2-Hexanone
Concen: 98.468 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 43 Resp: 76037
Ion Ratio Lower Upper
43 100
58 45.0 24.3 73.0

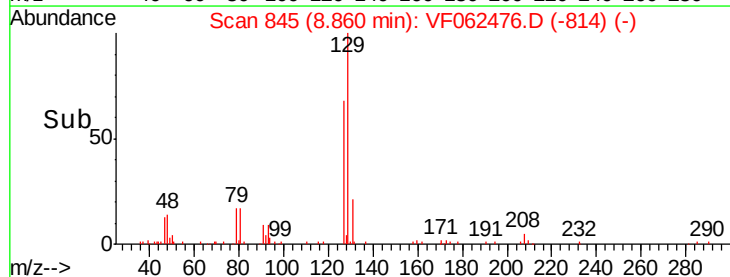
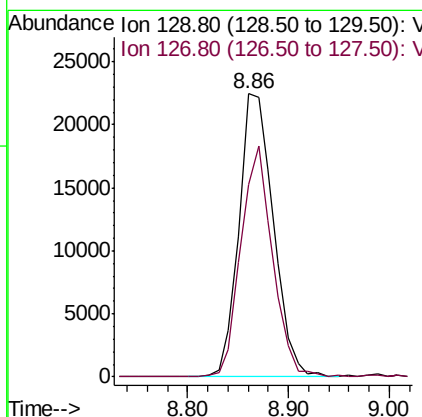
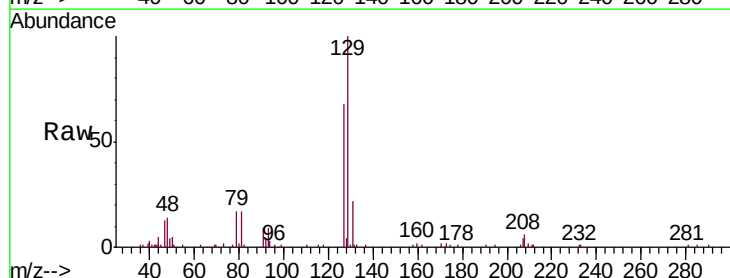
Manual Integrations
APPROVED

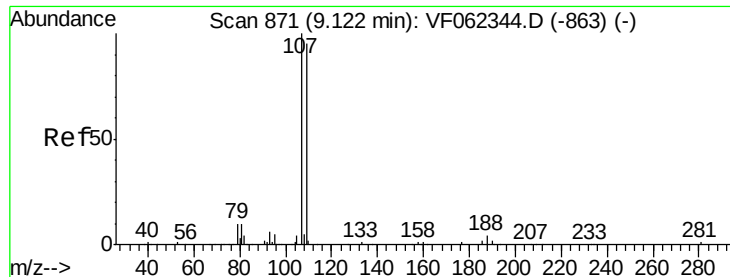
MMDadoda
5/12/2019 12:05:14 PM



#60
Dibromochloromethane
Concen: 23.399 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 129 Resp: 53465
Ion Ratio Lower Upper
129 100
127 75.0 38.5 115.3





#61

1,2-Dibromoethane

Concen: 22.091 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

ClientSampleId :

VF0511SBS02

Tgt Ion: 107 Resp: 36273

Ion Ratio Lower Upper

107 100

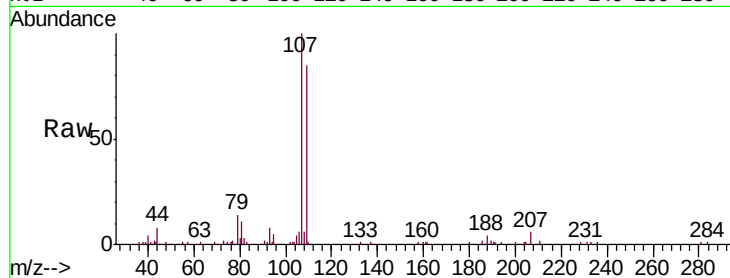
109 97.3 75.2 112.8

Manual Integrations

APPROVED

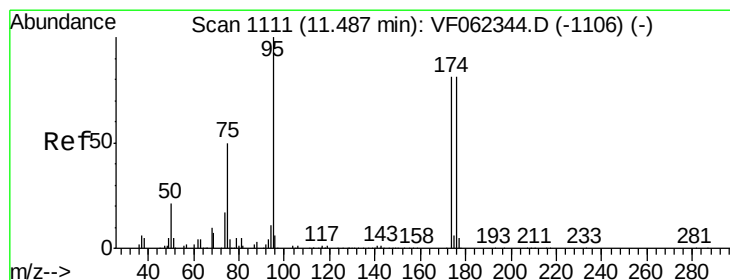
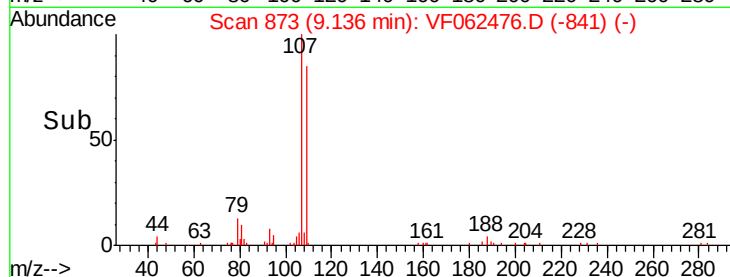
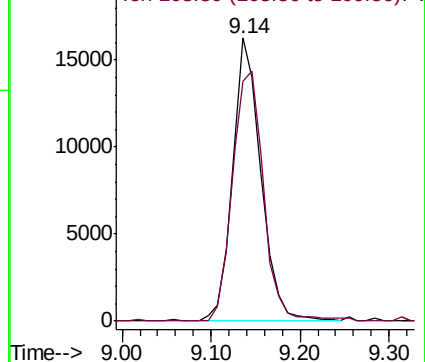
MMDadoda

5/12/2019 12:05:14 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.969 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

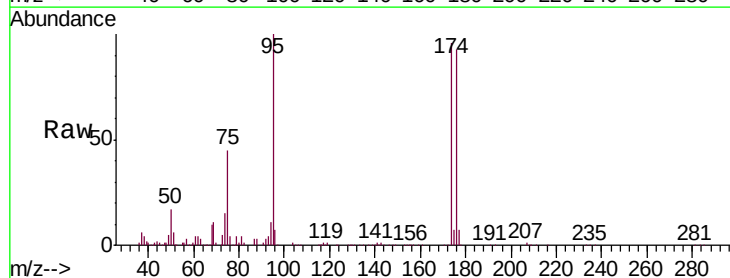
Tgt Ion: 95 Resp: 147551

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.8

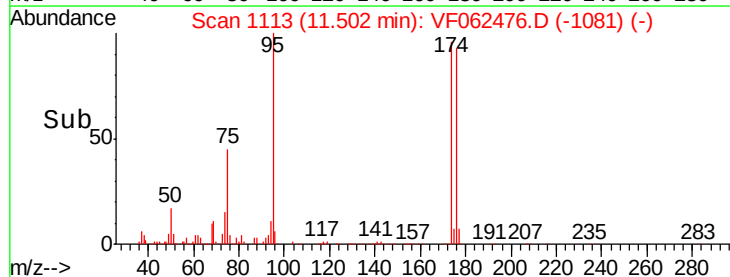
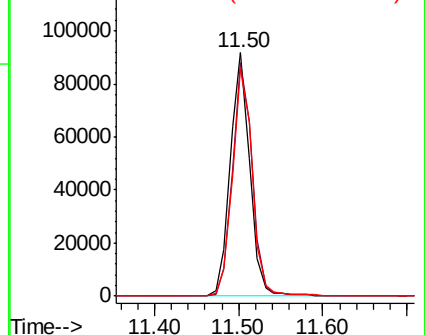
176 95.0 0.0 193.2

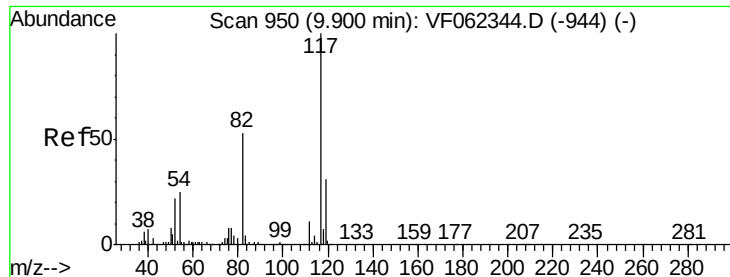


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





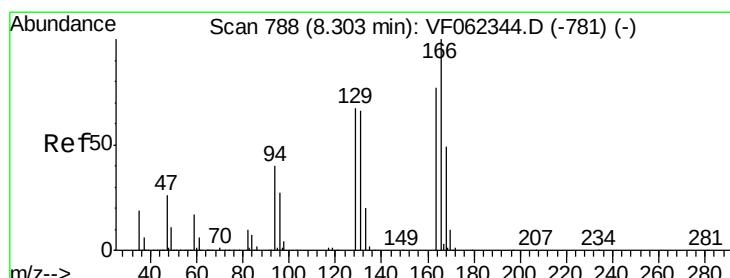
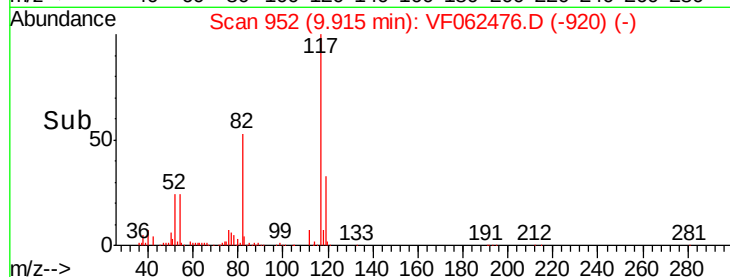
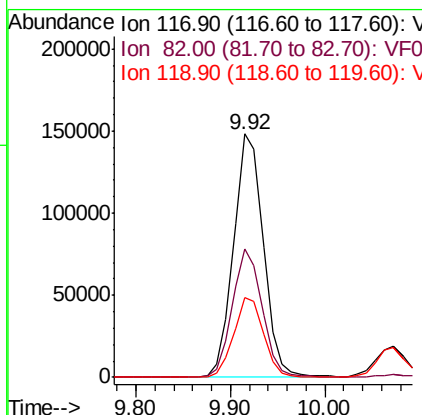
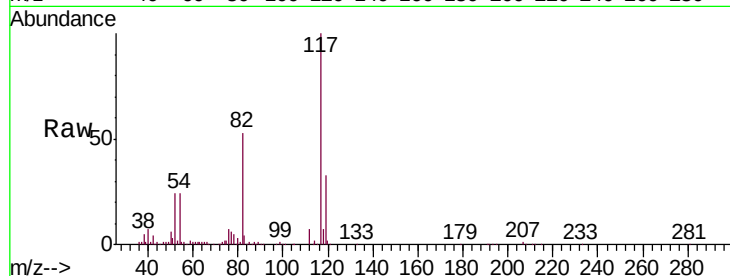
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	323764		
82	52.7	42.2	63.2	
119	32.6	25.0	37.4	

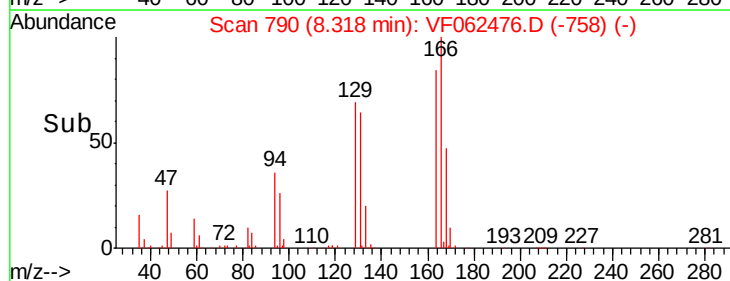
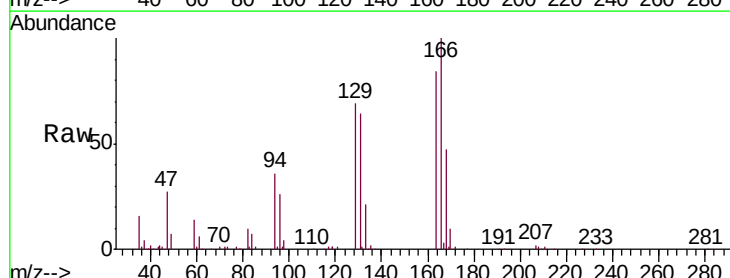
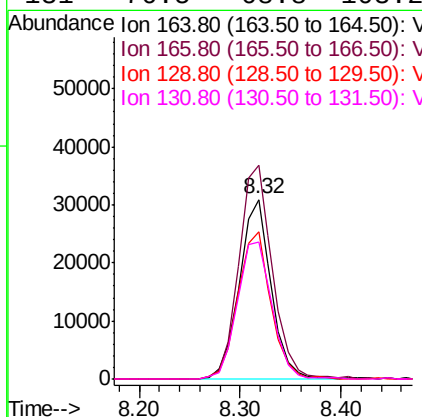
Manual Integrations
APPROVED

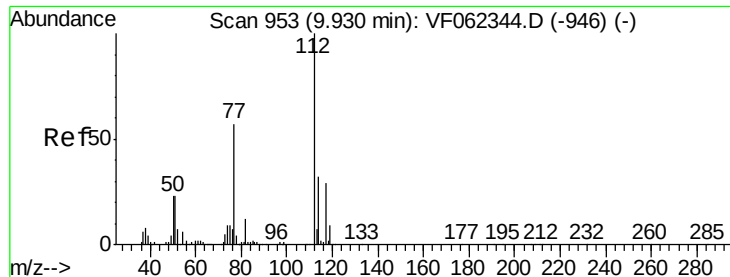
MMDadoda
5/12/2019 12:05:14 PM



#64
Tetrachloroethene
Concen: 25.787 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	67780		
166	118.9	104.2	156.4	
129	81.6	69.6	104.4	
131	76.5	68.8	103.2	





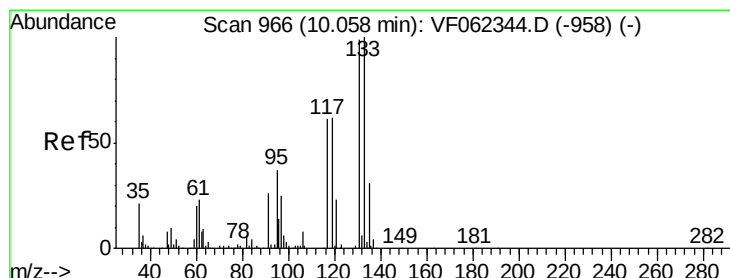
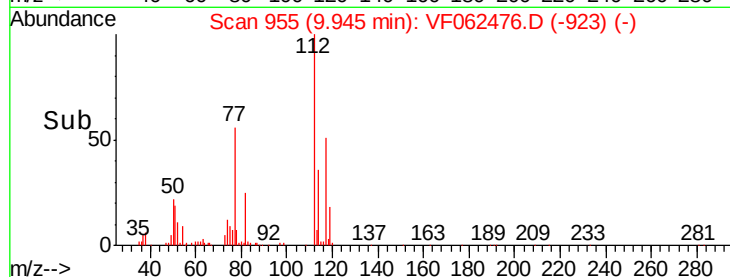
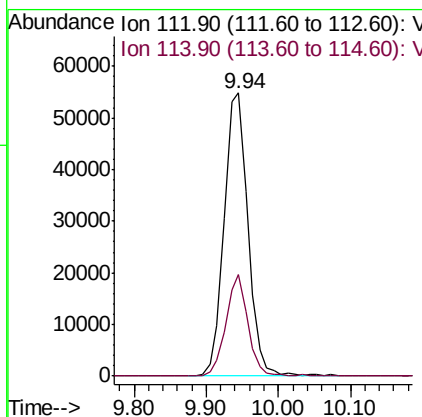
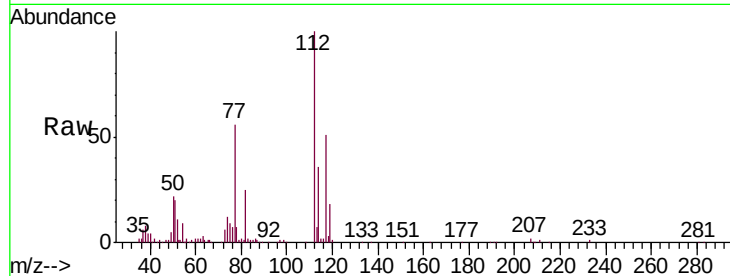
#65
Chlorobenzene
Concen: 23.431 ug/l
RT: 9.94 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	125515		
114	35.8	25.4	38.0	

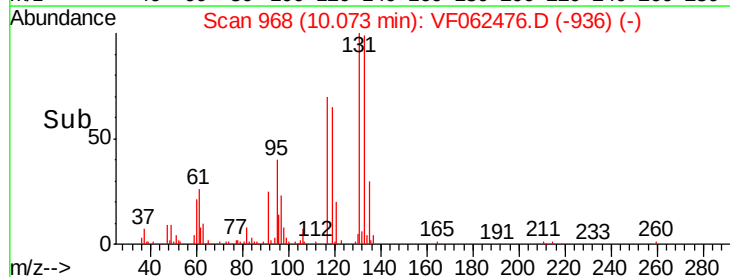
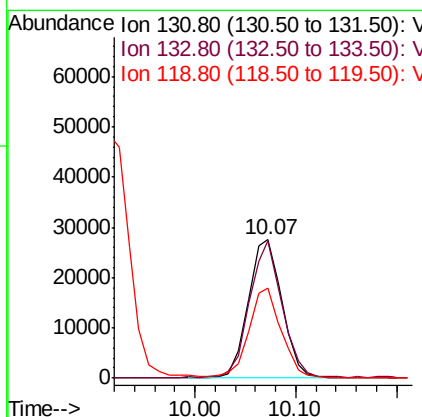
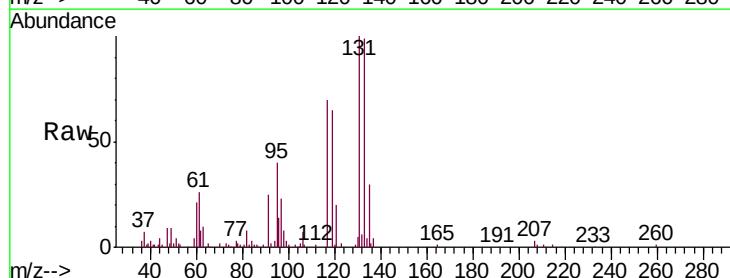
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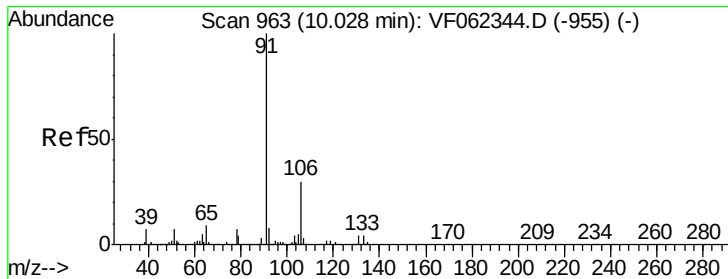
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.742 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	64161		
133	97.5	50.2	150.7	
119	61.1	31.6	95.0	





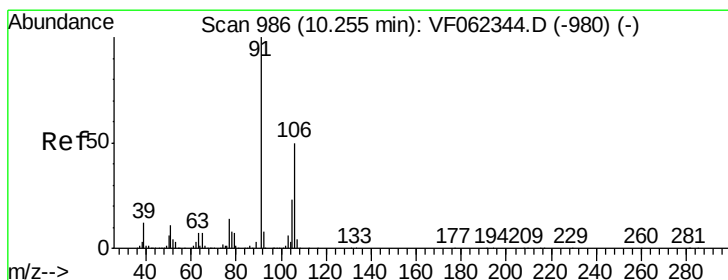
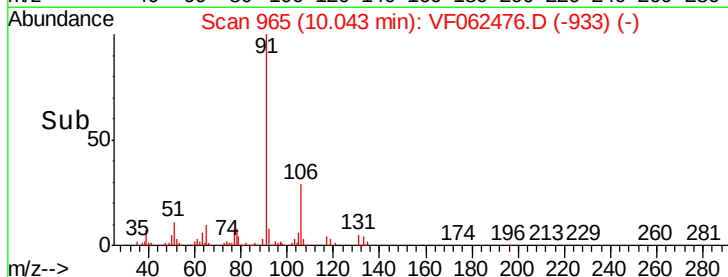
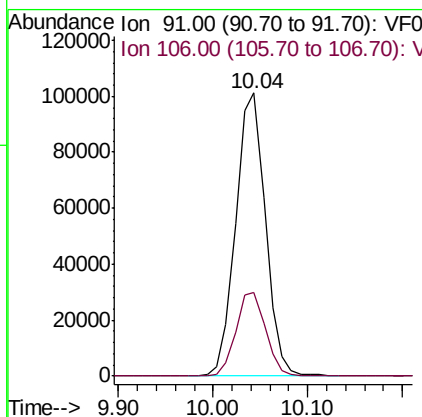
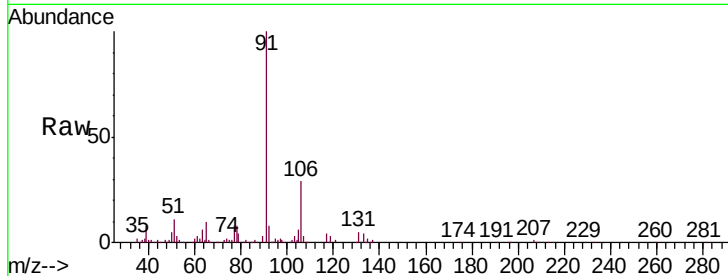
#67
Ethyl Benzene
Concen: 23.472 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 91 Resp: 220174
Ion Ratio Lower Upper
91 100
106 29.4 24.1 36.1

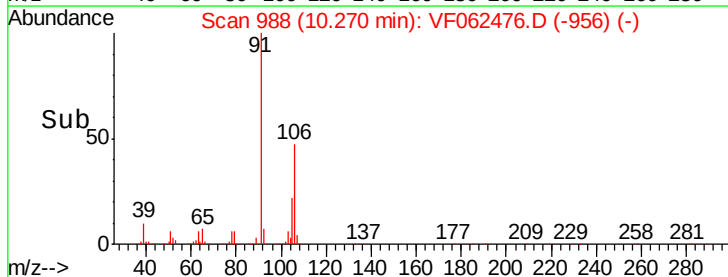
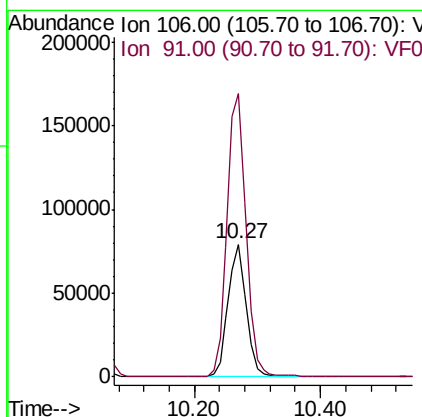
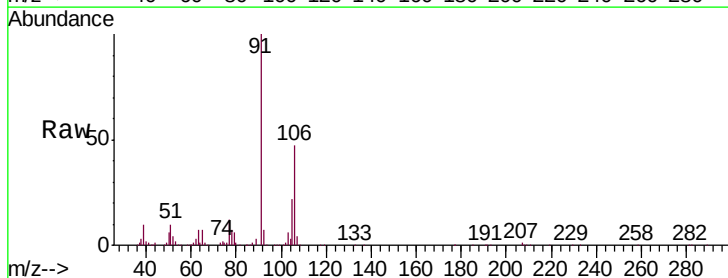
Manual Integrations
APPROVED

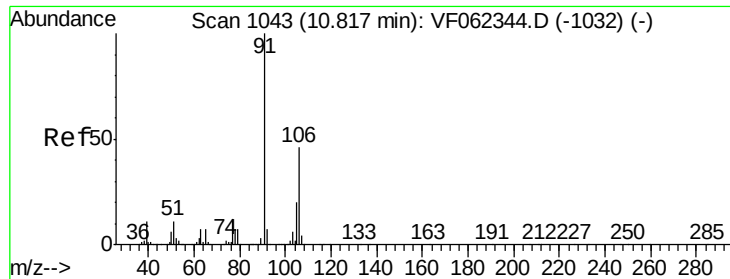
MMDadoda
5/12/2019 12:05:14 PM



#68
m/p-Xylenes
Concen: 45.742 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 106 Resp: 158315
Ion Ratio Lower Upper
106 100
91 223.2 167.4 251.2





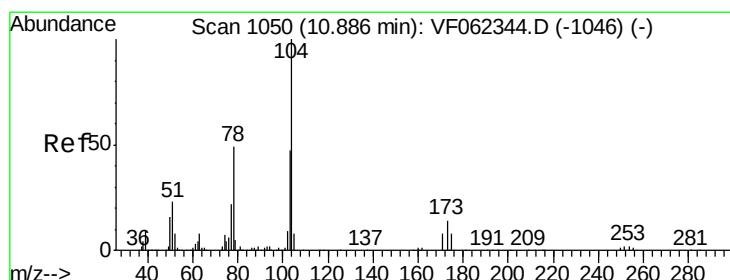
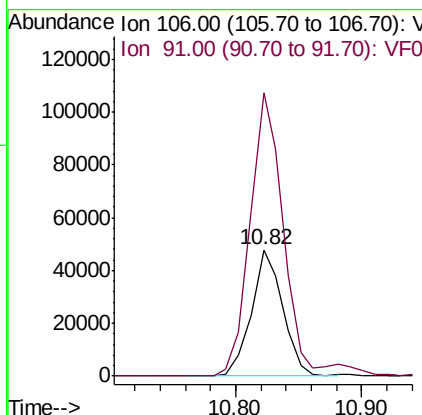
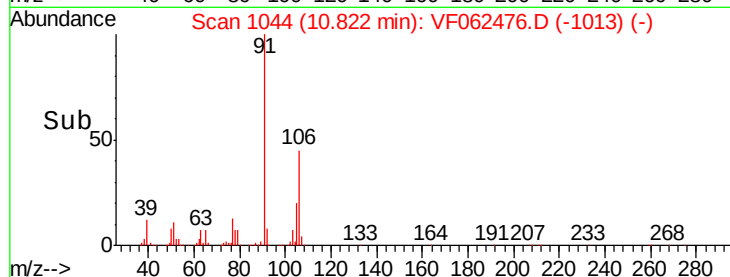
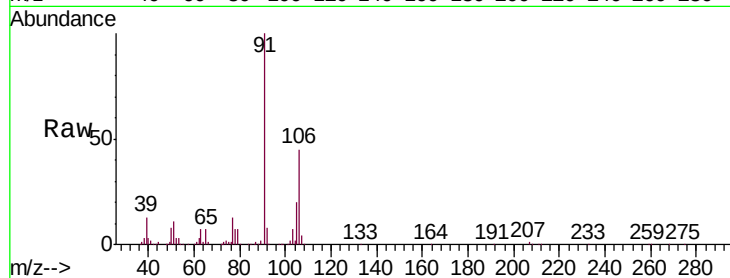
#69
o-Xylene
Concen: 22.250 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion:106 Resp: 83211
Ion Ratio Lower Upper
106 100
91 233.1 111.3 333.8

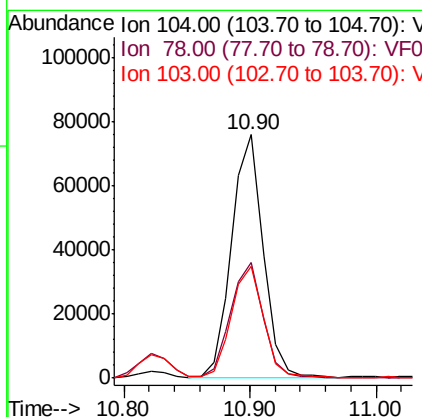
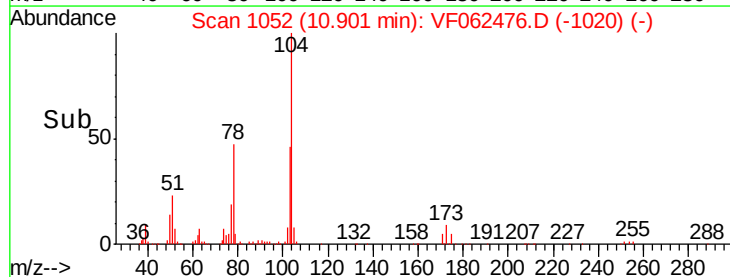
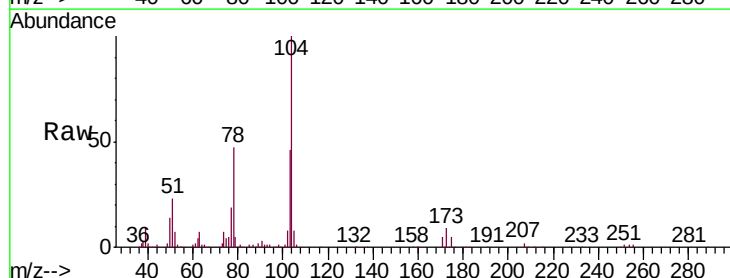
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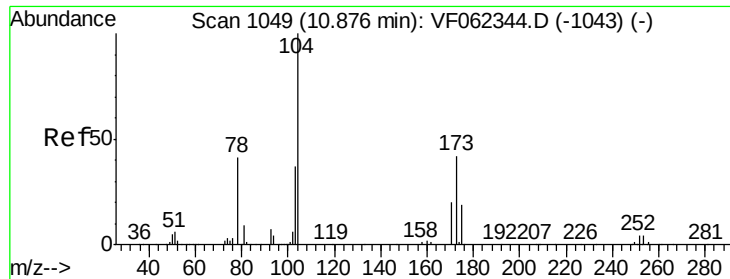
MMDadoda
5/12/2019 12:05:14 PM



#70
Styrene
Concen: 23.303 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion:104 Resp: 130614
Ion Ratio Lower Upper
104 100
78 48.6 39.5 59.3
103 47.8 38.4 57.6





#71

Bromoform

Concen: 20.948 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

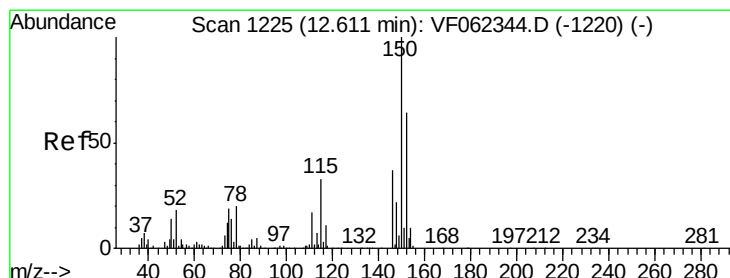
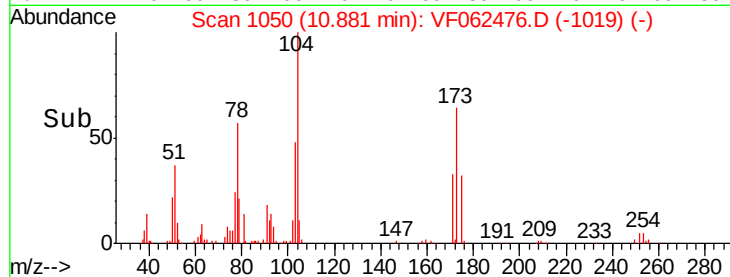
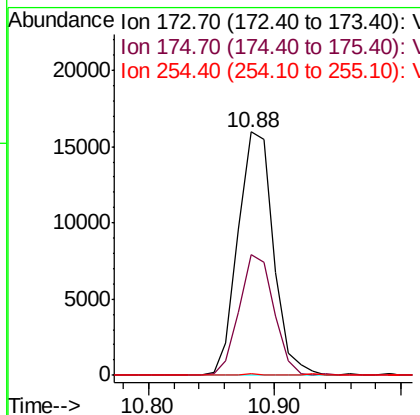
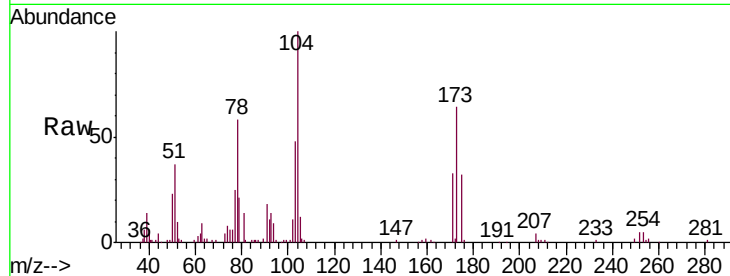
ClientSampleId :

VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	23.8	71.2
254	0.2	0.1	0.1#

Manual Integrations
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5/12/2019 12:05:14 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

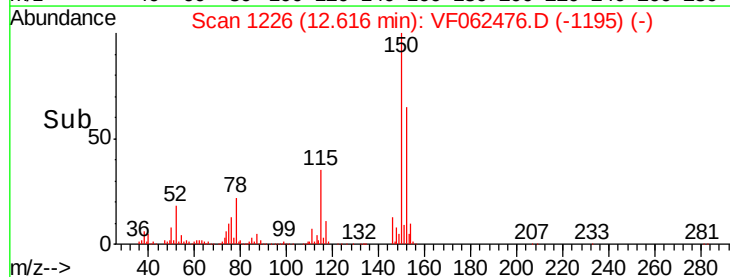
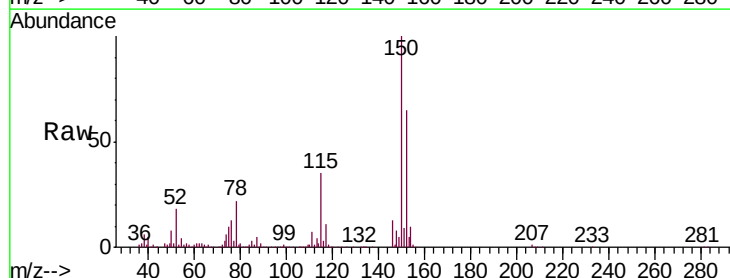
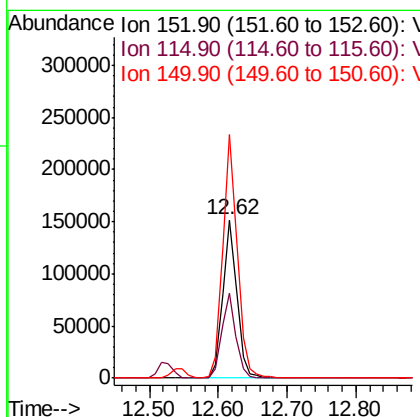
RT: 12.62 min Scan# 1226

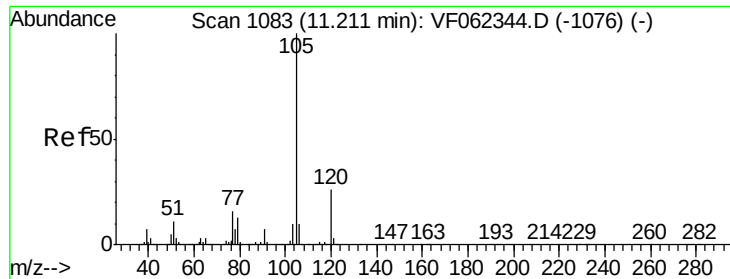
Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.9	26.4	79.2
150	158.9	0.0	335.0





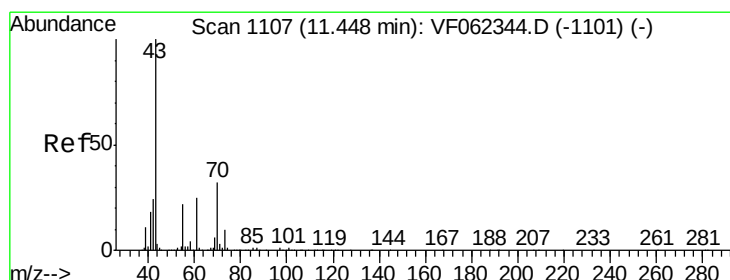
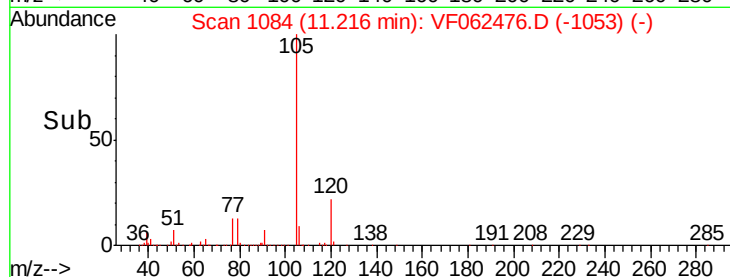
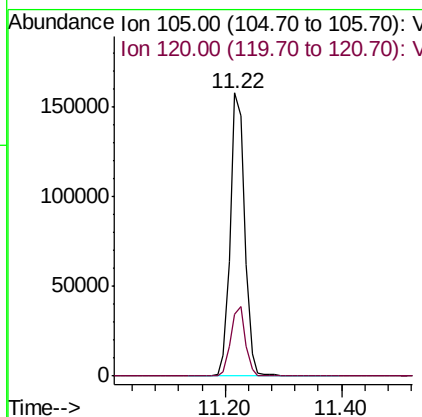
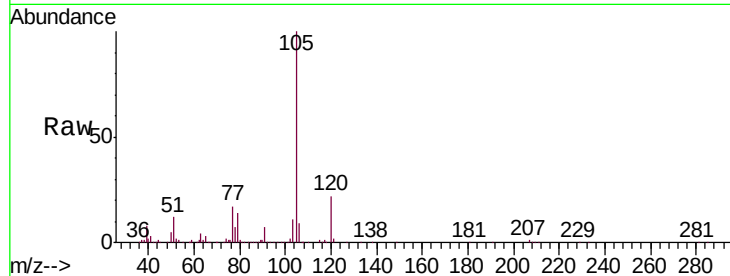
#73
Isopropylbenzene
Concen: 21.120 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion: 105 Resp: 272327
Ion Ratio Lower Upper
105 100
120 25.0 12.7 38.0

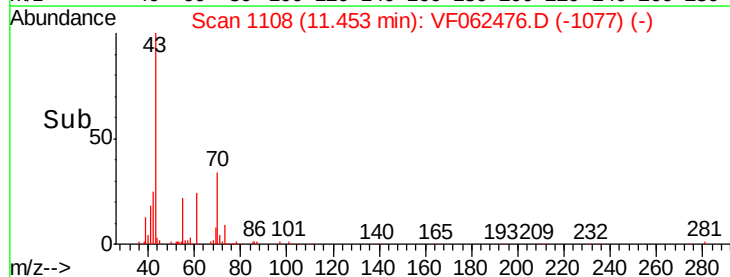
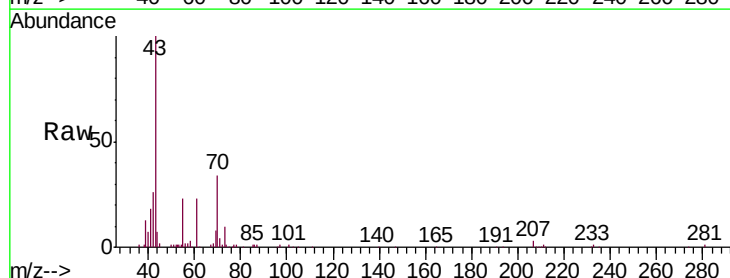
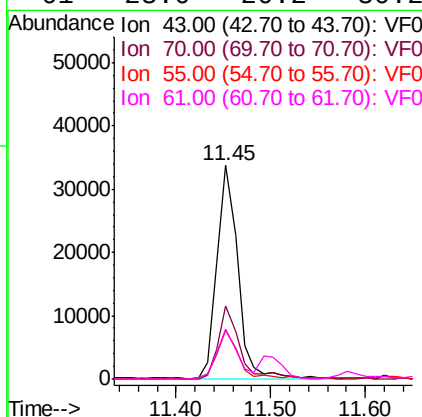
Manual Integrations
APPROVED

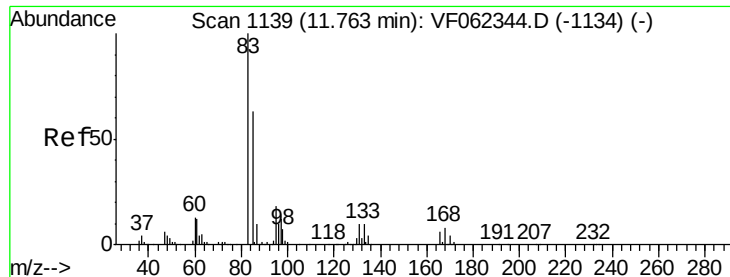
MMDadoda
5/12/2019 12:05:14 PM



#74
N-ethyl acetate
Concen: 18.904 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion: 43 Resp: 52332
Ion Ratio Lower Upper
43 100
70 35.2 26.5 39.7
55 24.2 17.8 26.6
61 23.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.516 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

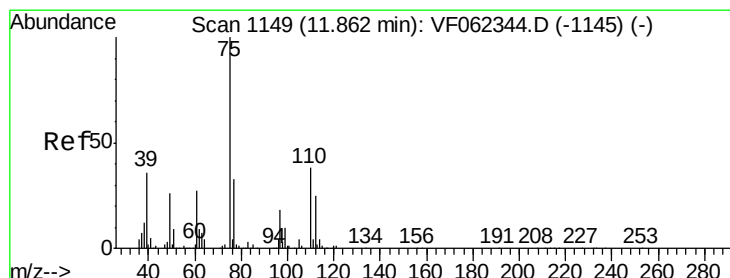
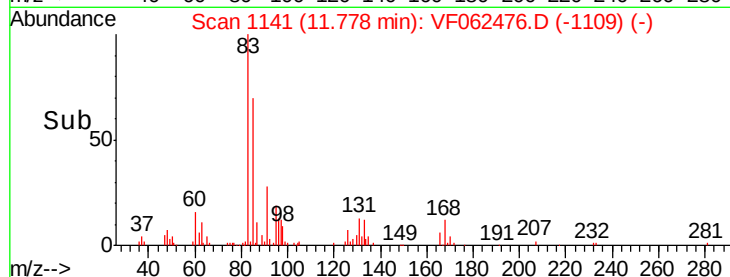
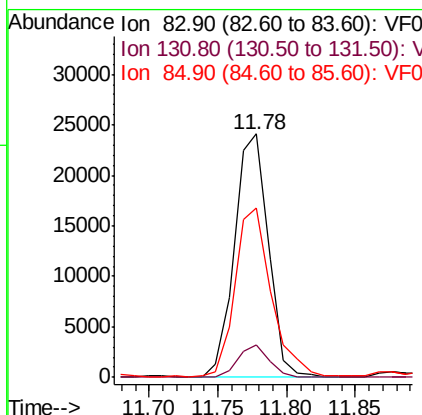
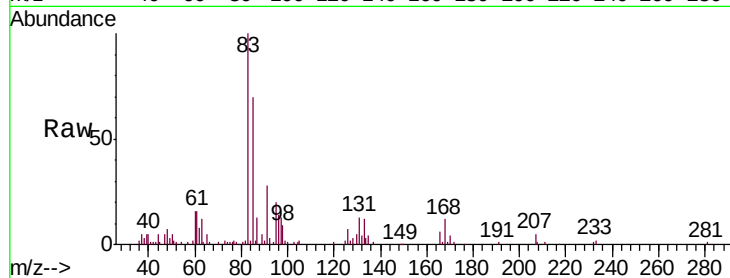
ClientSampleId :

VF0511SBS02

Tgt Ion:	83	Resp:	41421
Ion Ratio	Lower	Upper	
83	100		
131	12.3	5.8	17.4
85	75.4	35.3	105.7

Manual Integrations
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5/12/2019 12:05:14 PM



#76

1,2,3-Trichloropropane

Concen: 21.576 ug/l

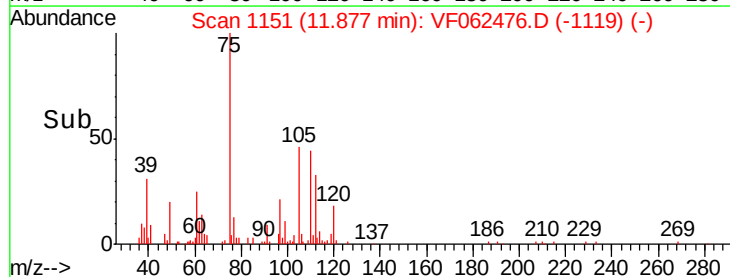
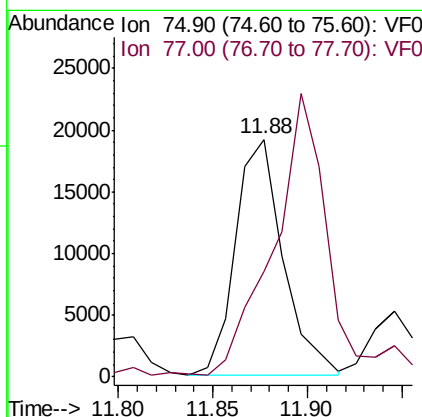
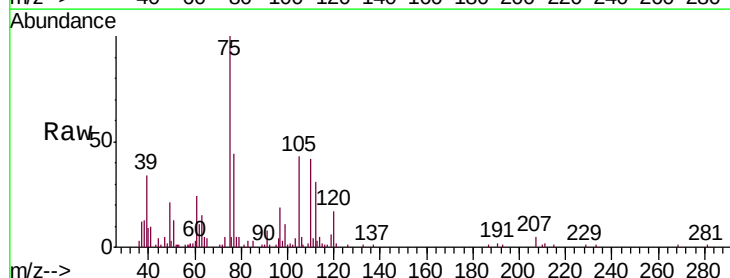
RT: 11.88 min Scan# 1151

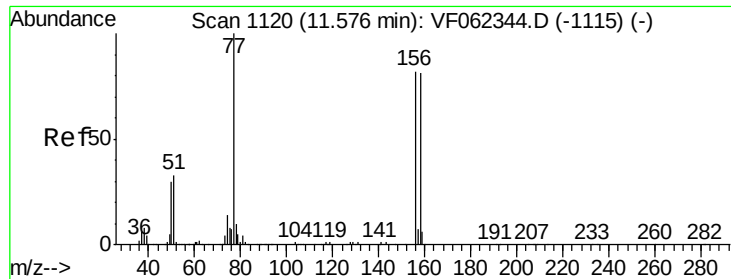
Delta R.T. 0.01 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	75	Resp:	33234
Ion Ratio	Lower	Upper	
75	100		
77	141.2	0.0	0.0#





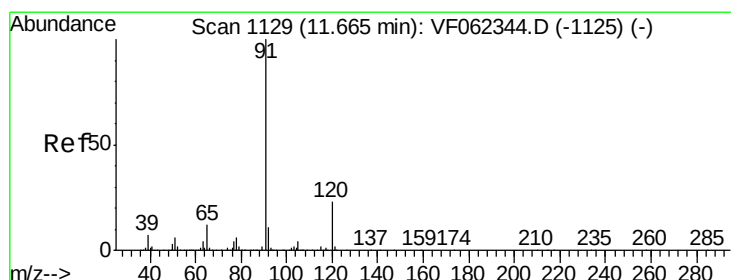
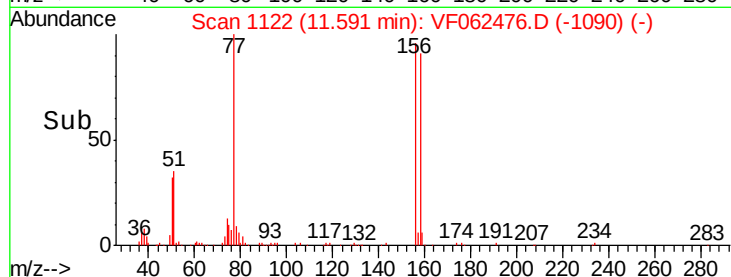
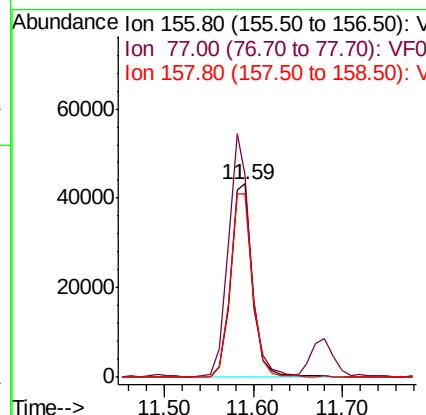
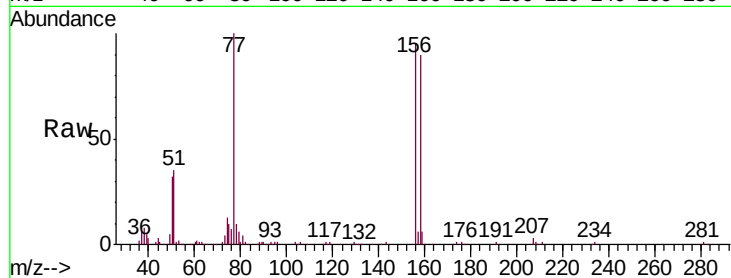
#77
Bromobenzene
Concen: 22.304 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
156	100		
77	124.2	64.8	194.3
158	96.2	49.1	147.3

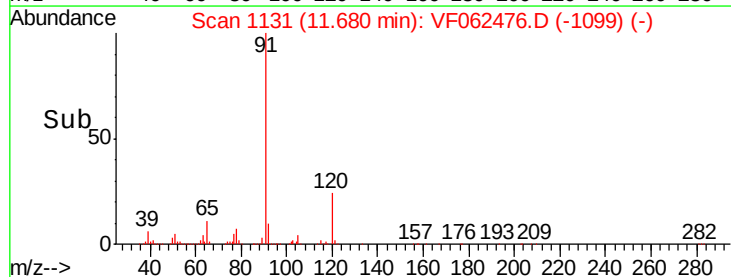
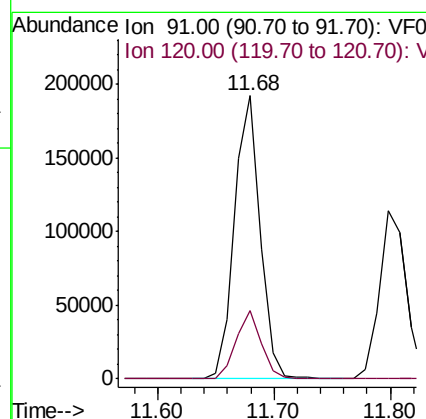
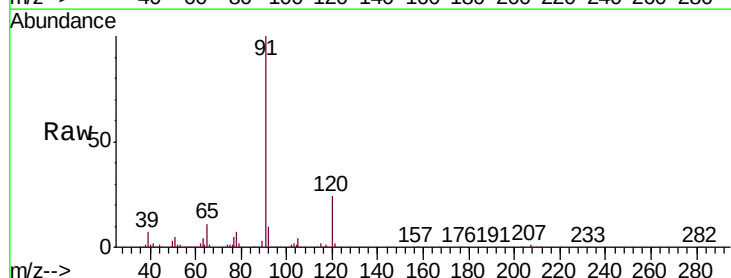
Manual Integrations
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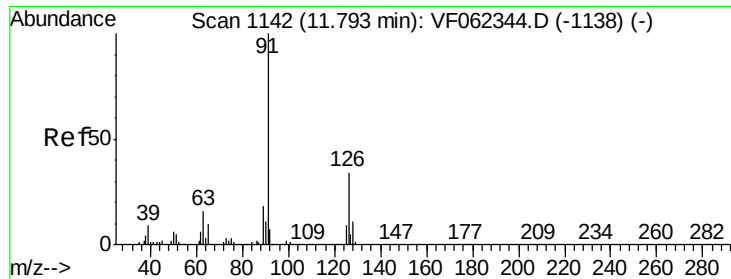
MMDadoda
5/12/2019 12:05:14 PM



#78
n-propylbenzene
Concen: 21.366 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.9	35.5





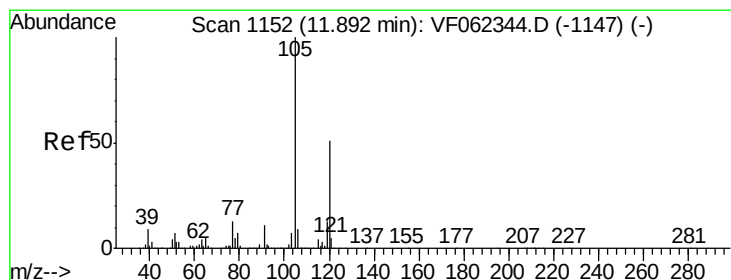
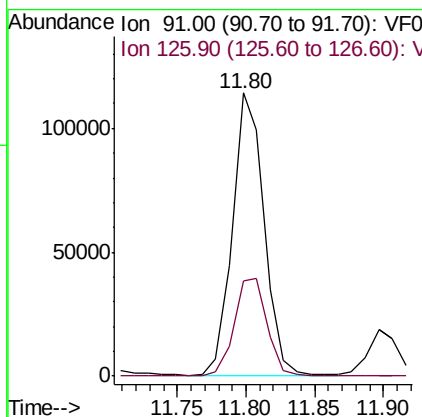
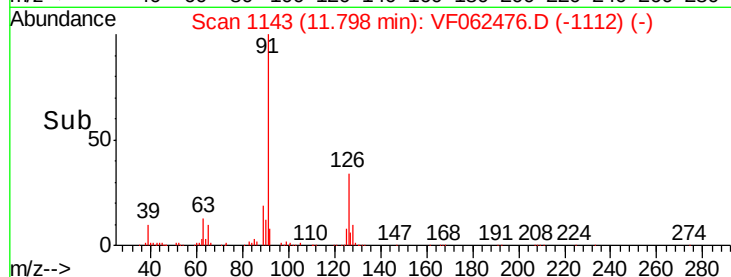
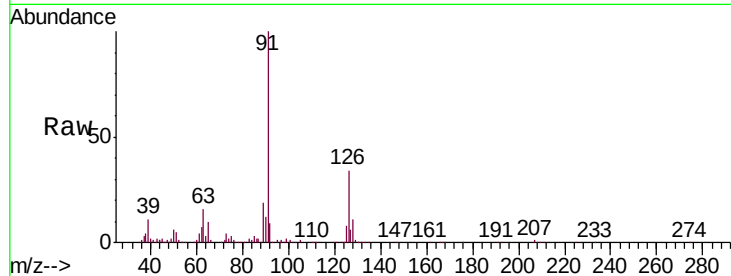
#79
 2-Chlorotoluene
 Concen: 21.271 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion: 91 Resp: 181572
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.8 53.4

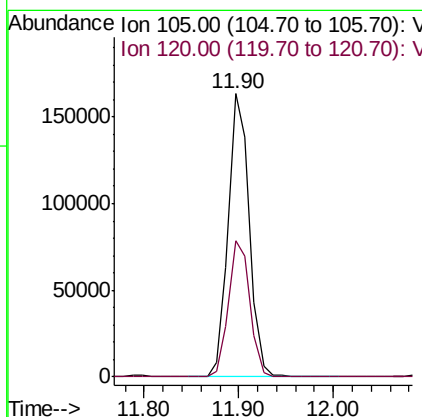
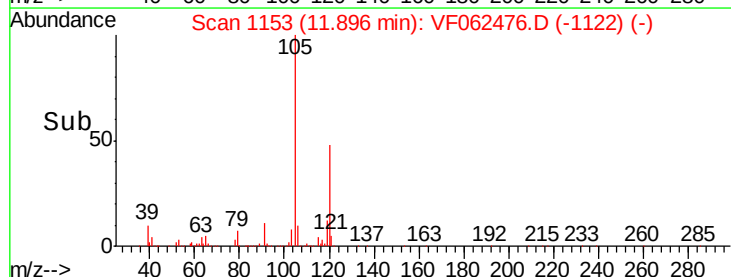
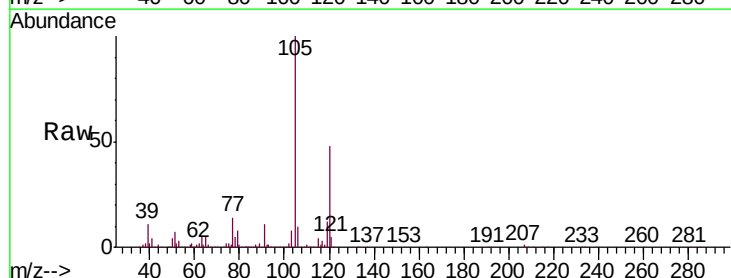
Manual Integrations
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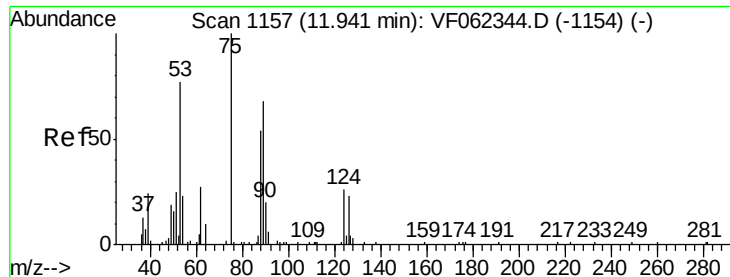
MMDadoda
 5/12/2019 12:05:14 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 22.363 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion: 105 Resp: 252738
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 13.764 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Instrument :

MSVOA_F

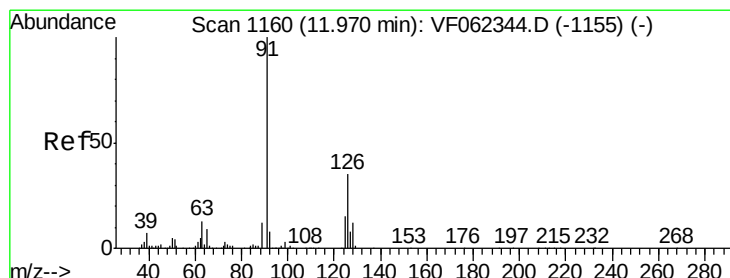
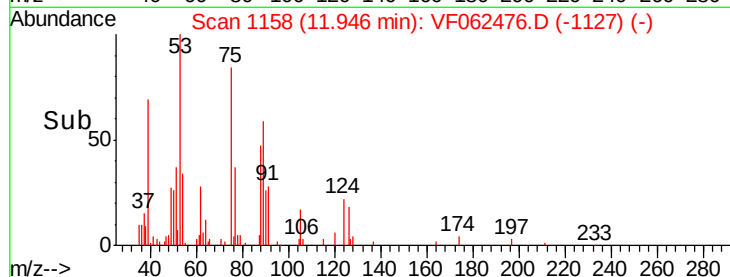
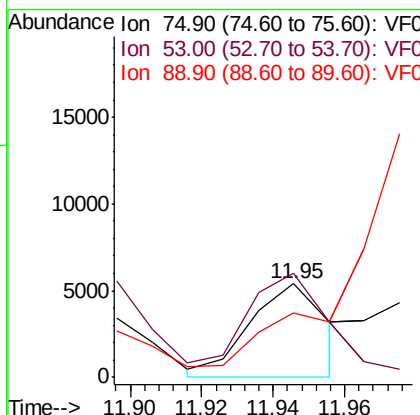
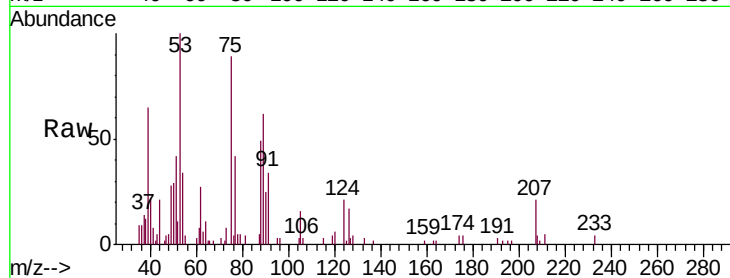
ClientSampleId :

VF0511SBS02

Tgt Ion:	75	Resp:	7969
Ion Ratio	Lower	Upper	
75	100		
53	132.4	71.9	107.9#
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.701 ug/l

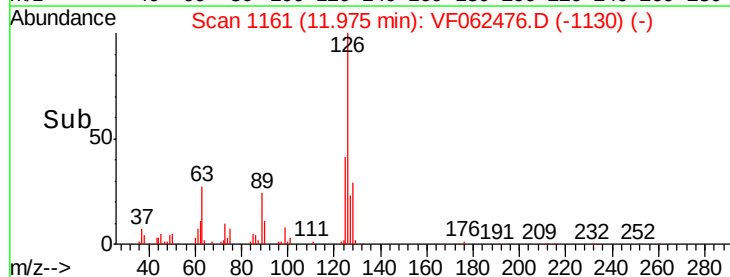
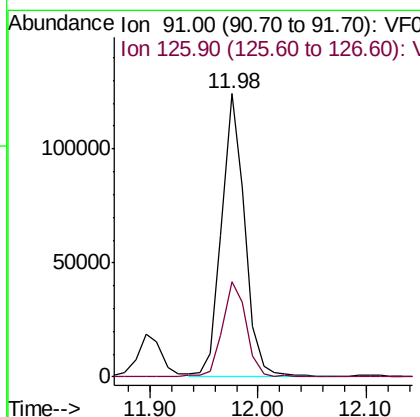
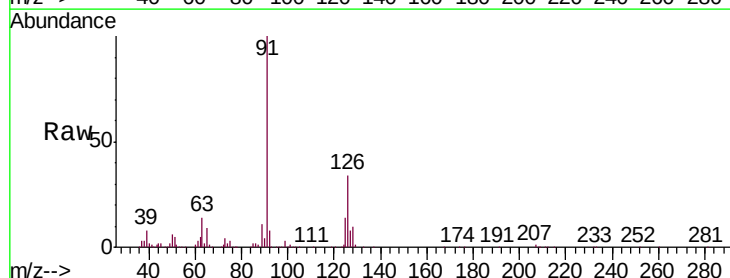
RT: 11.98 min Scan# 1161

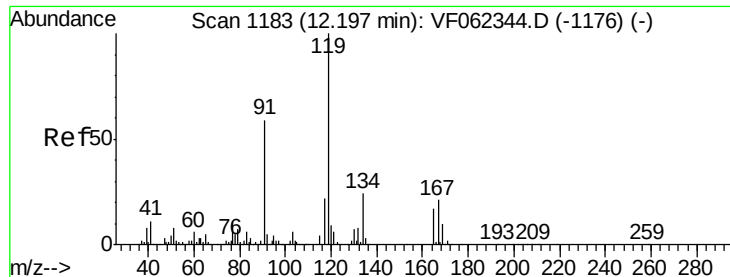
Delta R.T. 0.00 min

Lab File: VF062476.D

Acq: 12 May 2019 00:07

Tgt Ion:	91	Resp:	182961
Ion Ratio	Lower	Upper	
91	100		
126	35.7	17.7	53.1





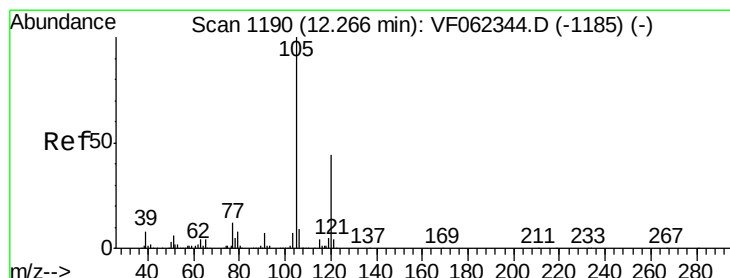
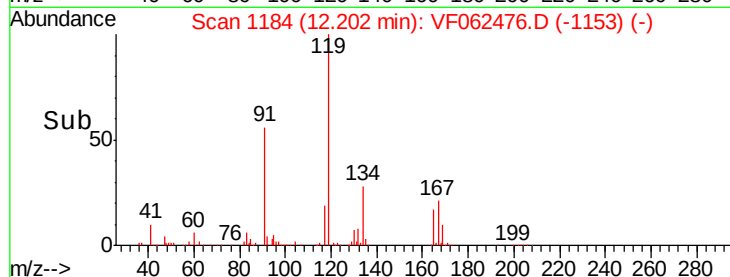
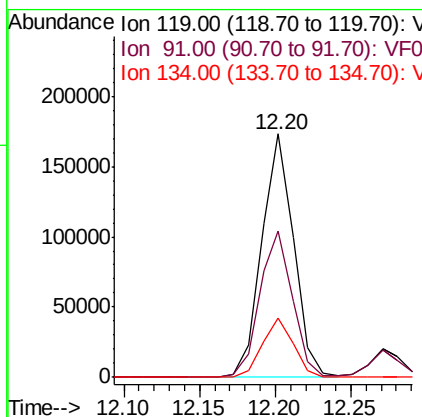
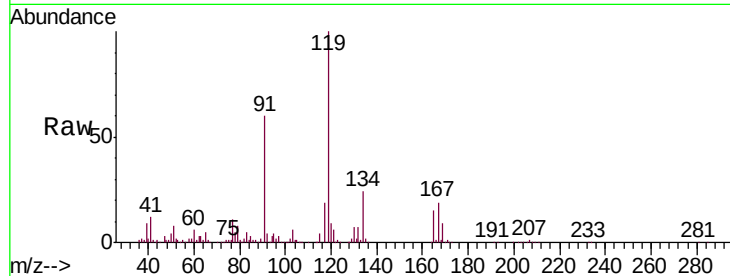
#83
 tert-Butylbenzene
 Concen: 21.568 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	256172		
91	60.9	30.4	91.3	
134	24.0	11.9	35.7	

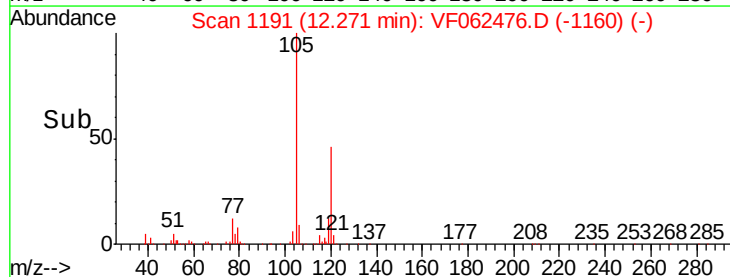
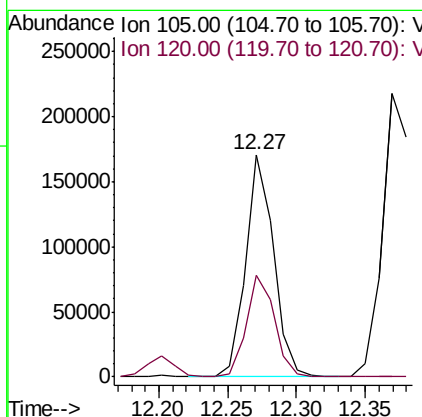
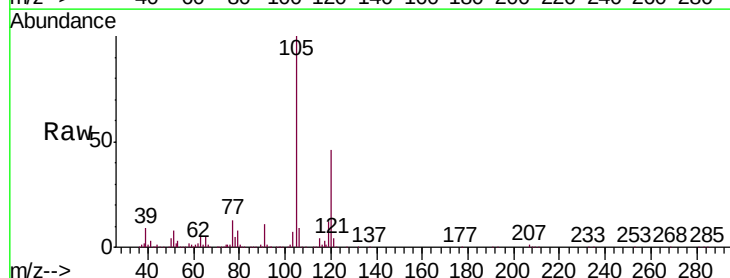
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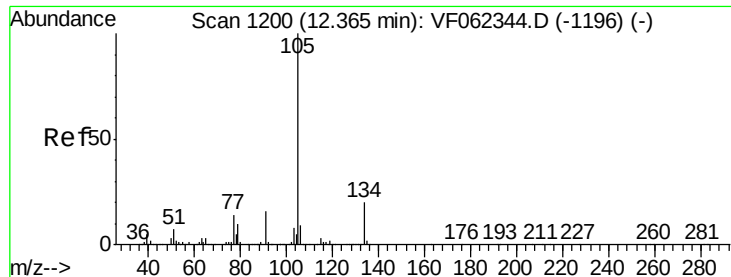
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.954 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242816		
120	45.7	22.6	67.7	





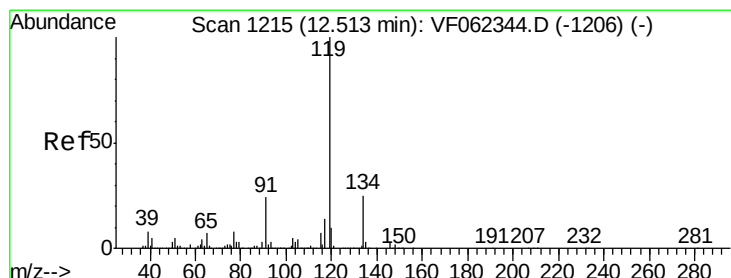
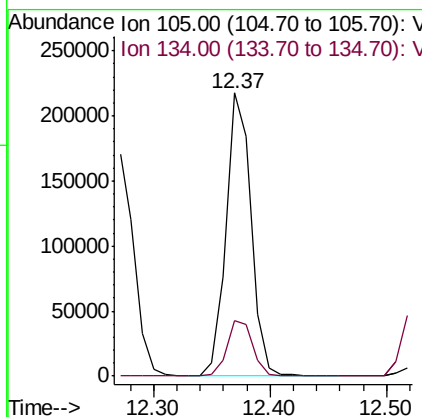
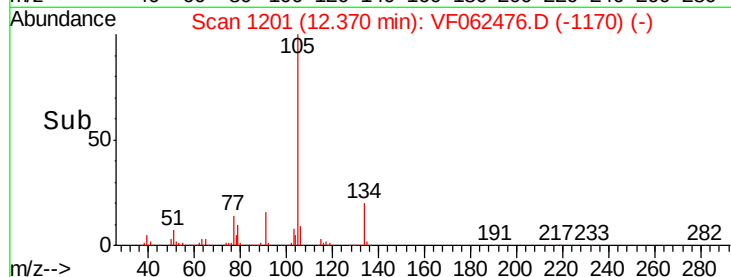
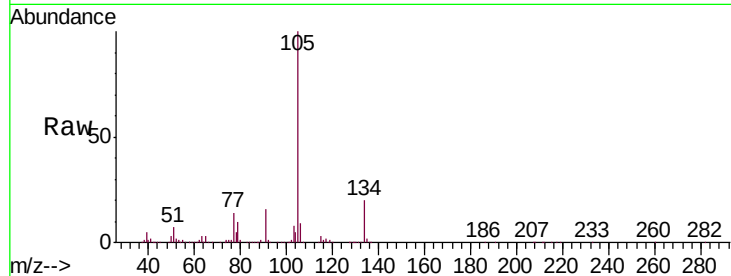
#85
 sec-Butylbenzene
 Concen: 22.333 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	322868		
134	20.2	9.8	29.5	

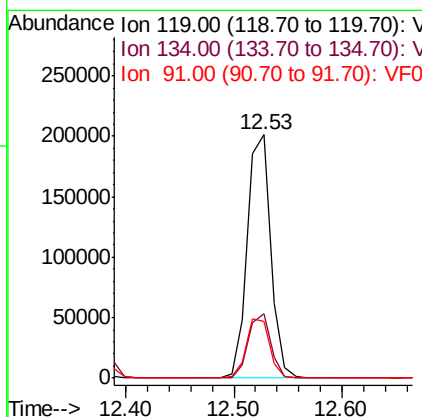
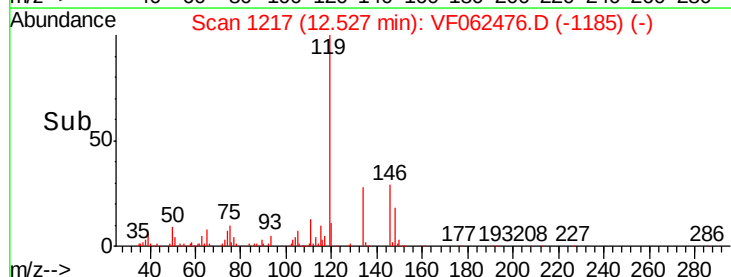
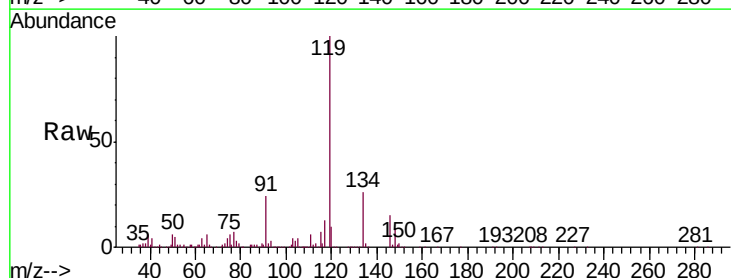
Manual Integrations
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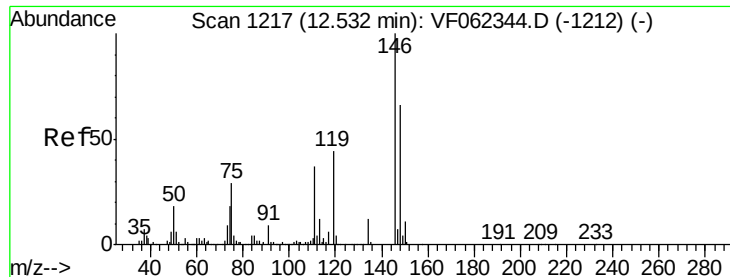
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 22.563 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	303069		
134	25.7	12.9	38.7	
91	24.7	12.3	36.8	





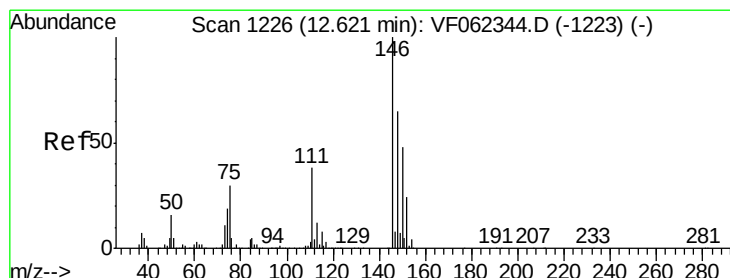
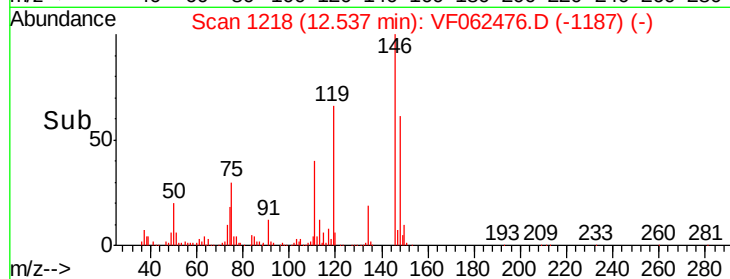
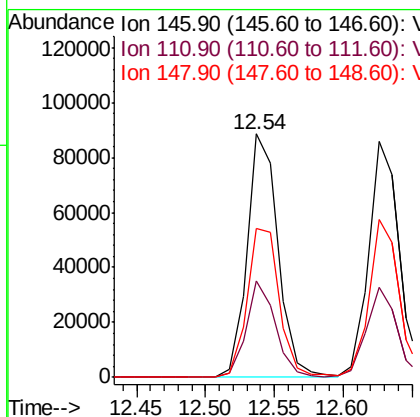
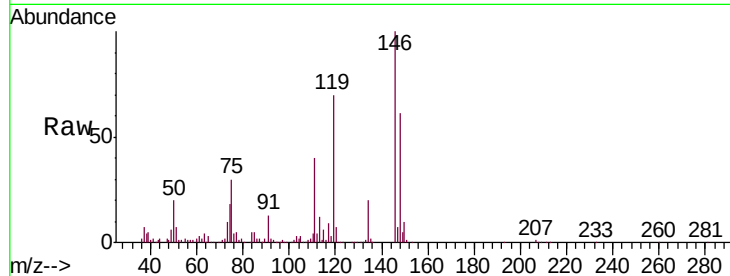
#87
 1,3-Dichlorobenzene
 Concen: 22.567 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.3	54.8
148	63.7	32.3	96.9

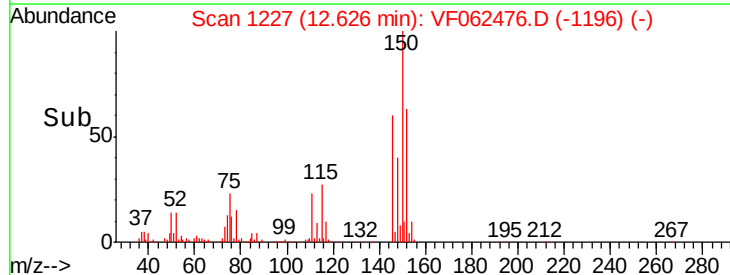
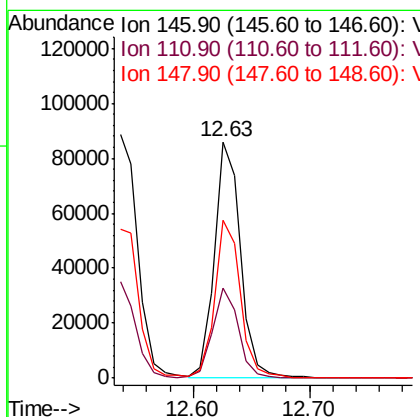
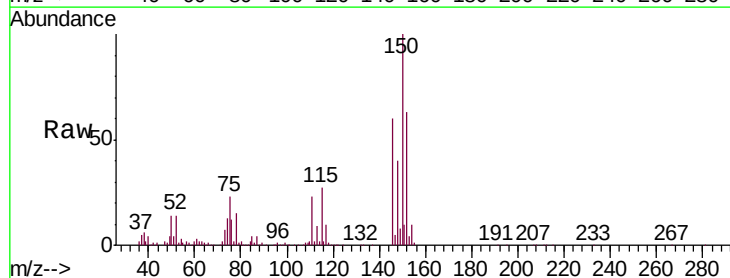
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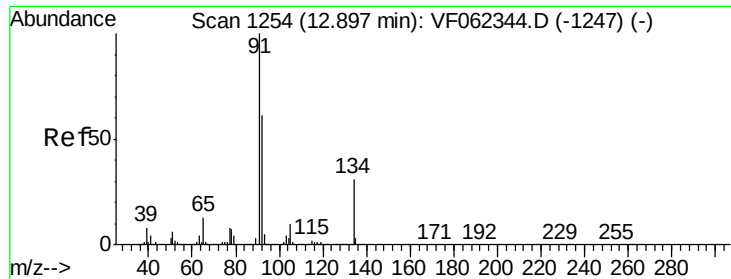
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#88
 1,4-Dichlorobenzene
 Concen: 22.193 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.8	56.3
148	65.8	32.2	96.6





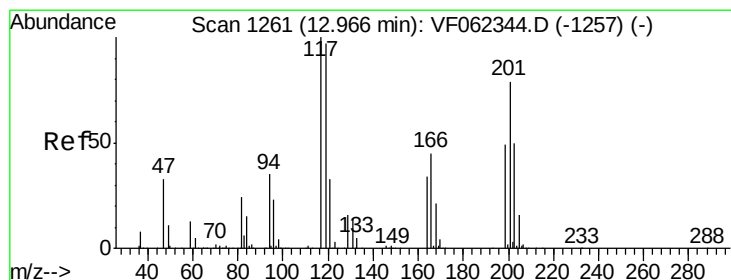
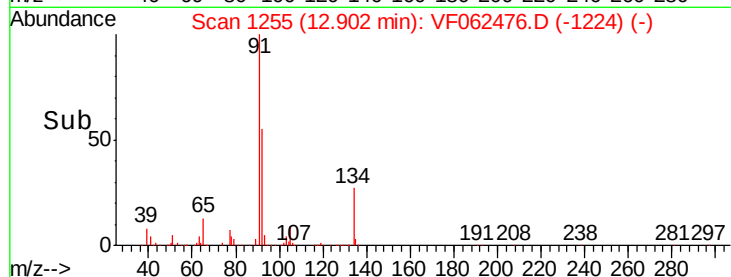
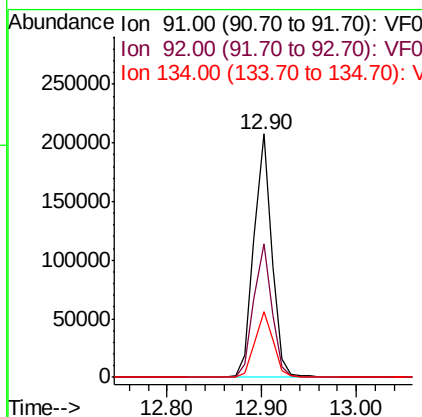
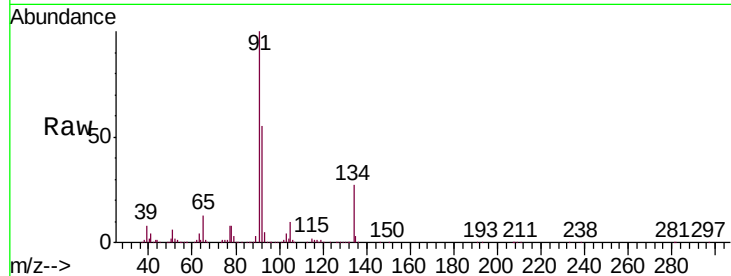
#89
n-Butylbenzene
Concen: 22.891 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	273550		
92	56.0	30.0	90.0	
134	27.4	14.1	42.4	

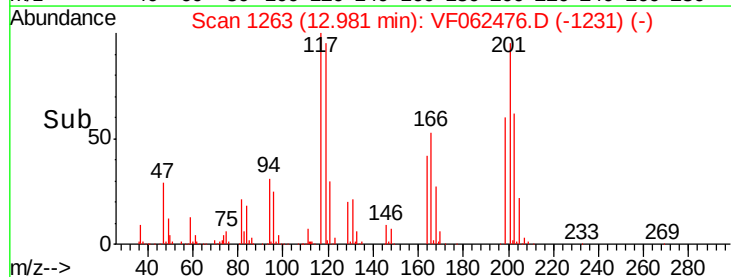
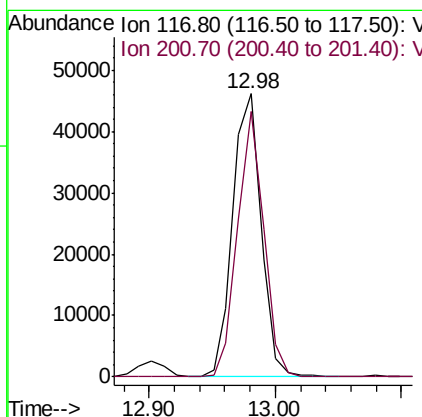
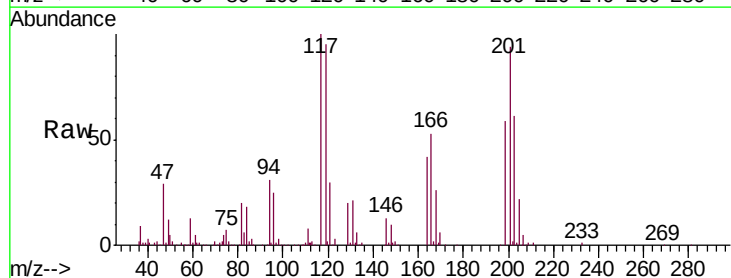
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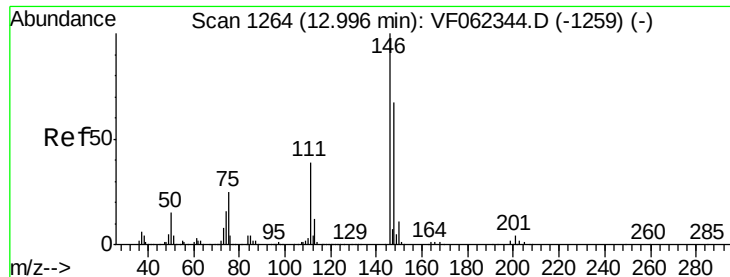
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#90
Hexachloroethane
Concen: 21.439 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	71901		
201	86.7	46.2	138.5	





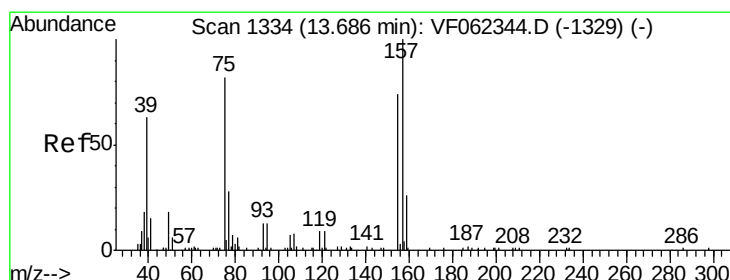
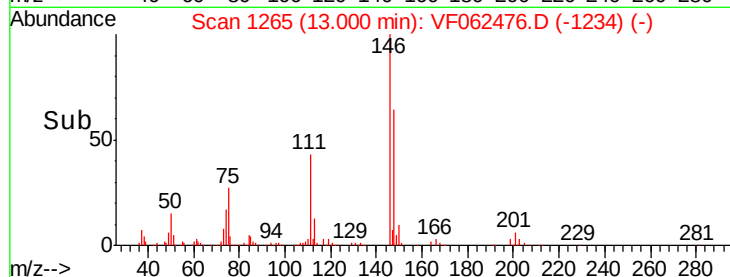
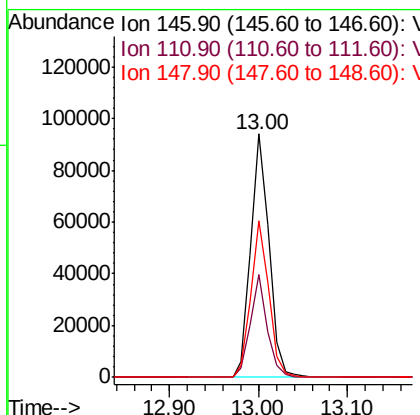
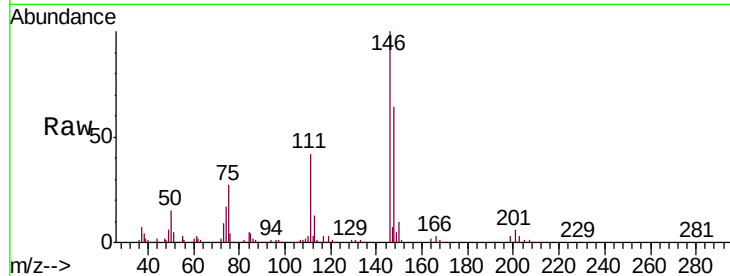
#91
 1,2-Dichlorobenzene
 Concen: 22.322 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133535		
111	39.1	20.0	60.0	
148	63.1	33.1	99.5	

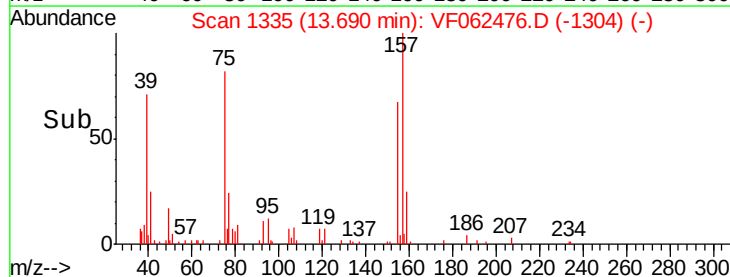
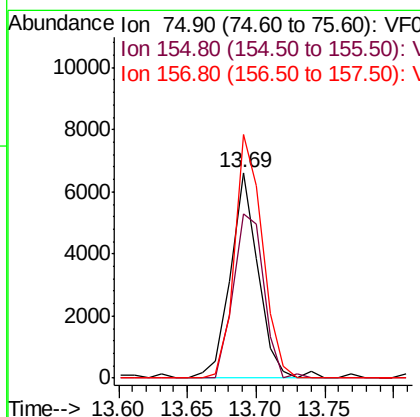
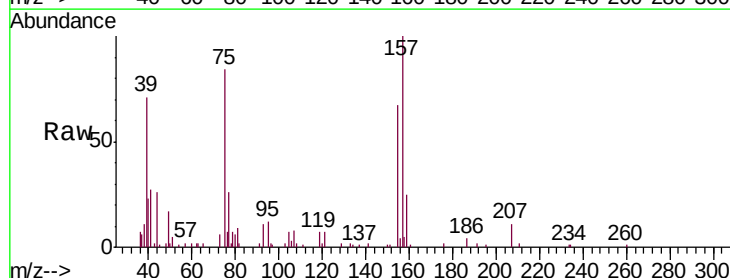
Manual Integrations
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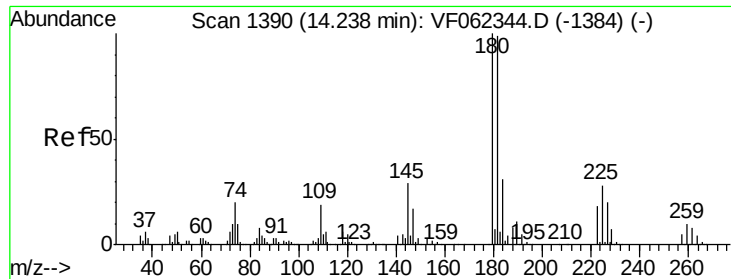
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 5/12/2019 12:05:14 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.553 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.00 min
 Lab File: VF062476.D
 Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	9296		
155	87.5	51.8	155.4	
157	118.8	67.3	201.8	





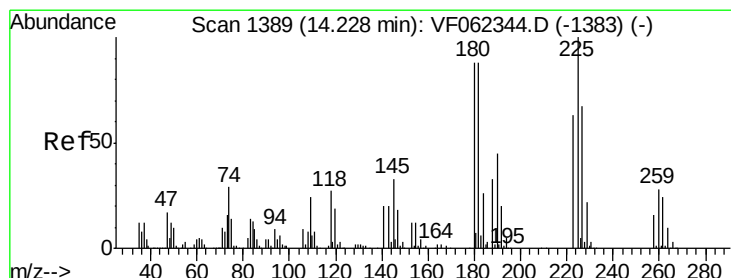
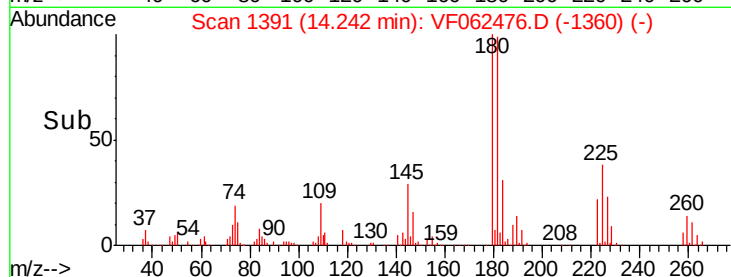
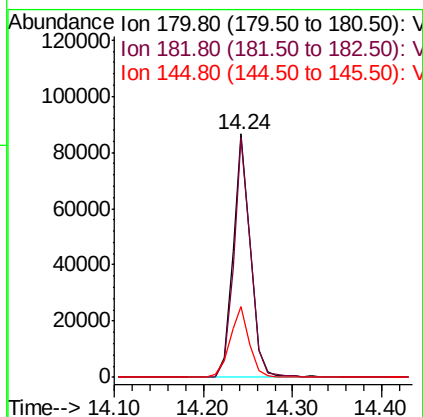
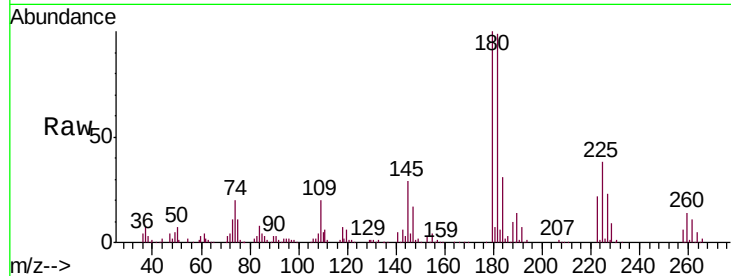
#93
1,2,4-Trichlorobenzene
Concen: 22.199 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119115		
182	96.0	49.0	147.0	
145	32.0	16.7	50.1	

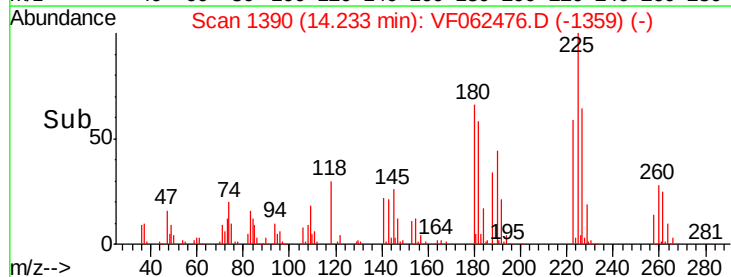
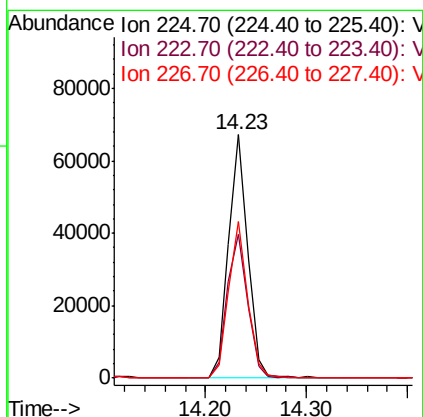
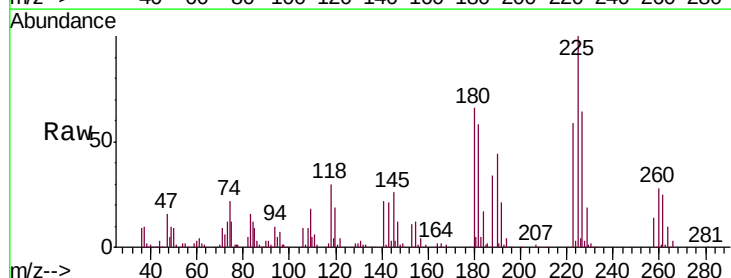
Manual Integrations
APPROVED

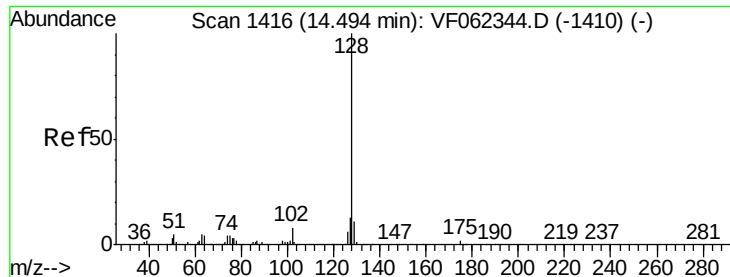
MMDadoda
5/12/2019 12:05:14 PM



#94
Hexachlorobutadiene
Concen: 22.199 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88780		
223	62.7	31.9	95.5	
227	64.2	33.1	99.5	





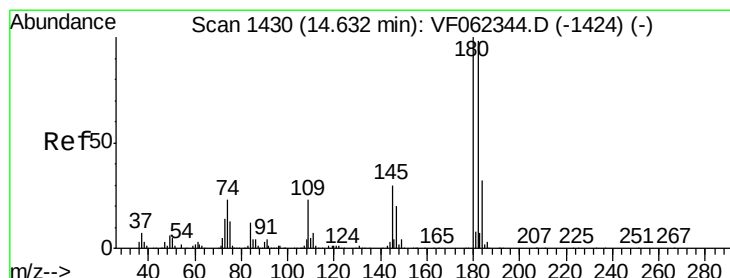
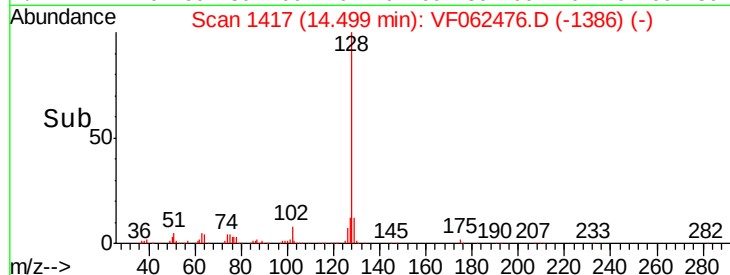
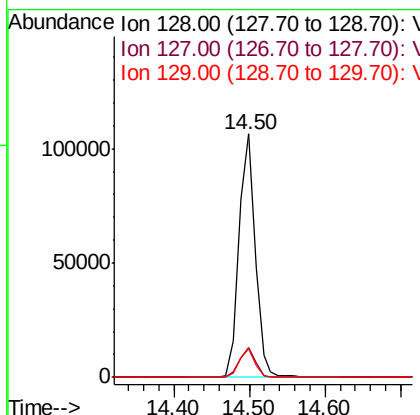
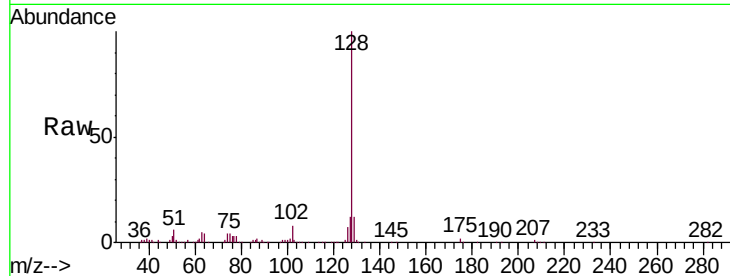
#95
Naphthalene
Concen: 19.391 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Instrument :
MSVOA_F
ClientSampleId :
VF0511SBS02

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	156423		
127	12.0	10.5	15.7	
129	11.3	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
5/12/2019 12:05:14 PM



#96
1,2,3-Trichlorobenzene
Concen: 22.052 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062476.D
Acq: 12 May 2019 00:07

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	114635		
182	96.2	49.4	148.0	
145	29.2	14.8	44.3	

