

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062519.D
 Acq On : 13 May 2019 00:08
 Operator : FY/SY
 Sample : VF0512SBSD02
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD02

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:41 PM

Quant Time: May 13 07:01:41 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	272884	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	5.79	114	372540	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	328427	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	194551	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	139493	54.09	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.18%	
35) Dibromofluoromethane	4.33	113	160888	54.21	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.42%	
50) Toluene-d8	7.73	98	368614	51.31	ug/l	0.03
Spiked Amount 50.000			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.51	95	169646	52.34	ug/l	0.02
Spiked Amount 50.000			Recovery	=	104.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	70693	22.384	ug/l	94
3) Chloromethane	1.15	50	45400	21.796	ug/l	92
4) Vinyl Chloride	1.20	62	41560	20.004	ug/l	95
5) Bromomethane	1.38	94	38436	23.171	ug/l	93
6) Chloroethane	1.45	64	24250	23.216	ug/l	98
7) Trichlorofluoromethane	1.56	101	99061	22.981	ug/l	97
8) Diethyl Ether	1.72	74	13011	19.948	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.93	101	58455	23.752	ug/l	97
10) Methyl Iodide	1.99	142	98726m	24.343	ug/l	
11) Tert butyl alcohol	2.70	59	14149	97.077	ug/l #	89
12) 1,1-Dichloroethene	1.89	96	43814	20.942	ug/l	92
13) Acrolein	2.11	56	10275	101.511	ug/l	86
14) Allyl chloride	2.21	41	63966	34.611	ug/l	95
15) Acrylonitrile	3.10	53	29745	107.737	ug/l	99
16) Acetone	2.35	43	41661	79.858	ug/l	96
17) Carbon Disulfide	1.92	76	95812m	21.003	ug/l	
18) Methyl Acetate	2.48	43	20013	19.100	ug/l	98
19) Methyl tert-butyl Ether	2.56	73	90716	21.005	ug/l	100
20) Methylene Chloride	2.35	84	40969m	21.706	ug/l	
21) trans-1,2-Dichloroethene	2.44	96	41793	20.966	ug/l	99
22) Diisopropyl ether	2.95	45	127493	22.072	ug/l	95
23) Vinyl Acetate	3.35	43	247119	95.991	ug/l	100
24) 1,1-Dichloroethane	3.03	63	81515	23.350	ug/l	98
25) 2-Butanone	4.55	43	63069	96.229	ug/l	98
26) 2,2-Dichloropropane	3.80	77	44545	22.849	ug/l	100
27) cis-1,2-Dichloroethene	3.67	96	54701	21.953	ug/l	92
28) Bromochloromethane	3.93	49	32877	20.766	ug/l #	98
29) Tetrahydrofuran	4.28	42	26994	89.615	ug/l	94
30) Chloroform	4.07	83	113055	23.971	ug/l	91
31) Cyclohexane	3.90	56	61332	22.011	ug/l	96
32) 1,1,1-Trichloroethane	4.31	97	97222	24.052	ug/l	98
36) 1,1-Dichloropropene	4.50	75	66500	20.780	ug/l	99
37) Ethyl Acetate	4.32	43	25425	16.916	ug/l #	90
38) Carbon Tetrachloride	4.20	117	89185m	25.506	ug/l	

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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	69742	21.729	ug/l	98
40) Benzene	4.84	78	150222	21.317	ug/l	97
41) Methacrylonitrile	4.95	41	15101	19.679	ug/l	95
42) 1,2-Dichloroethane	5.15	62	66630	22.607	ug/l	99
43) Isopropyl Acetate	7.13	43	25113	17.252	ug/l #	100
44) Trichloroethene	5.70	130	59025	22.801	ug/l	97
45) 1,2-Dichloropropane	6.42	63	37940	23.769	ug/l	99
46) Dibromomethane	6.28	93	31206	23.579	ug/l	97
47) Bromodichloromethane	6.57	83	77607	23.454	ug/l #	98
48) Methyl methacrylate	6.89	41	19389	18.848	ug/l	94
49) 1,4-Dioxane	6.89	88	4062	375.783	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	111370	100.970	ug/l	97
52) Toluene	7.80	92	100225	23.054	ug/l	97
53) t-1,3-Dichloropropene	8.44	75	51255	20.481	ug/l	94
54) cis-1,3-Dichloropropene	7.47	75	63366	21.756	ug/l	98
55) 1,1,2-Trichloroethane	8.66	97	32503	23.551	ug/l #	85
56) Ethyl methacrylate	8.78	69	27740	19.041	ug/l	94
57) 1,3-Dichloropropane	9.01	76	46592	22.350	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.47	63	37141	84.799	ug/l	99
59) 2-Hexanone	9.63	43	71945	94.313	ug/l	98
60) Dibromochloromethane	8.87	129	50204	22.242	ug/l	99
61) 1,2-Dibromoethane	9.15	107	34505	21.272	ug/l	98
64) Tetrachloroethene	8.32	164	62345	23.383	ug/l	99
65) Chlorobenzene	9.95	112	128148	23.582	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.08	131	59000	21.523	ug/l	97
67) Ethyl Benzene	10.05	91	211062	22.181	ug/l	99
68) m/p-Xylenes	10.27	106	162633	46.323	ug/l	97
69) o-Xylene	10.83	106	85925	22.649	ug/l	98
70) Styrene	10.91	104	127387	22.405	ug/l	98
71) Bromoform	10.90	173	29557	19.681	ug/l #	96
73) Isopropylbenzene	11.22	105	267161	23.164	ug/l	100
74) N-amyl acetate	11.46	43	53764	21.713	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	39520	21.884	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	30746	22.316	ug/l #	100
77) Bromobenzene	11.60	156	69999	23.125	ug/l	98
78) n-propylbenzene	11.68	91	262956	21.414	ug/l	95
79) 2-Chlorotoluene	11.80	91	179642	23.527	ug/l	100
80) 1,3,5-Trimethylbenzene	11.90	105	237060	23.450	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	10924m	21.093	ug/l	
82) 4-Chlorotoluene	11.98	91	176054	23.345	ug/l	99
83) tert-Butylbenzene	12.21	119	249728	23.505	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	237153	23.972	ug/l	99
85) sec-Butylbenzene	12.37	105	319337	24.694	ug/l	99
86) p-Isopropyltoluene	12.53	119	279353	23.251	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	129140	23.360	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	126824	23.769	ug/l	99
89) n-Butylbenzene	12.91	91	257312	24.072	ug/l	98
90) Hexachloroethane	12.99	117	67742	22.581	ug/l	94
91) 1,2-Dichlorobenzene	13.00	146	126827	23.702	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8007	19.791	ug/l	93

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Instrument :
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ClientSampleId :
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Quant Time: May 13 07:01:41 2019
Quant Method : Z:\V0ASRV\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)
93) 1,2,4-Trichlorobenzene	14.25	180	114713	23.901	ug/l	100
94) Hexachlorobutadiene	14.24	225	87482	24.455	ug/l	97
95) Naphthalene	14.50	128	149809	20.761	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	106464	22.896	ug/l	97

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

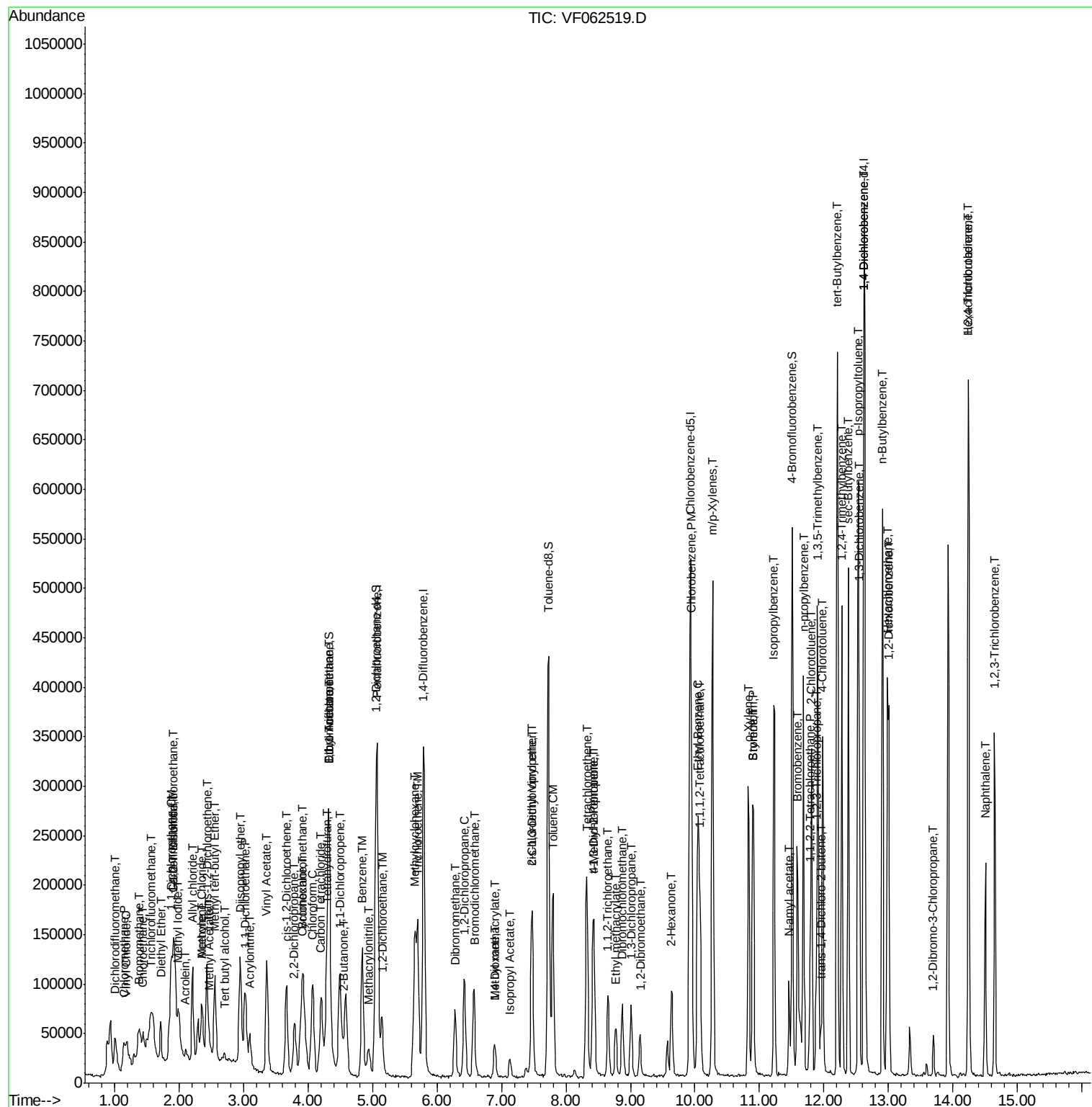
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 Data File : VF062519.D
 Acq On : 13 May 2019 00:08
 Operator : FY/SY
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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 30 Sample Multiplier: 1

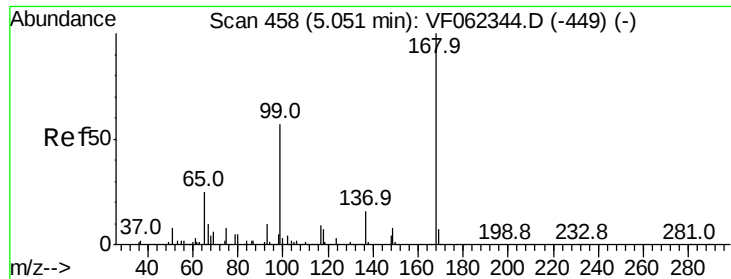
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD02

Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion:168 Resp: 272884

Ion Ratio Lower Upper

168 100

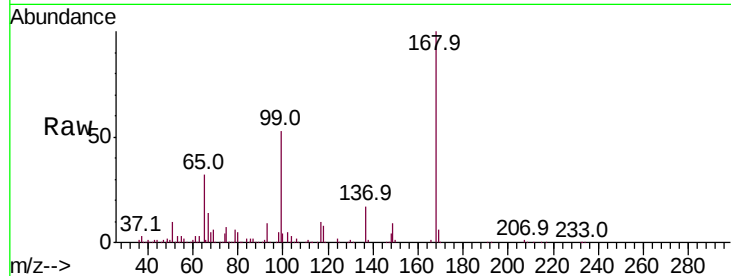
99 53.1 45.9 68.9

Manual Integrations

APPROVED

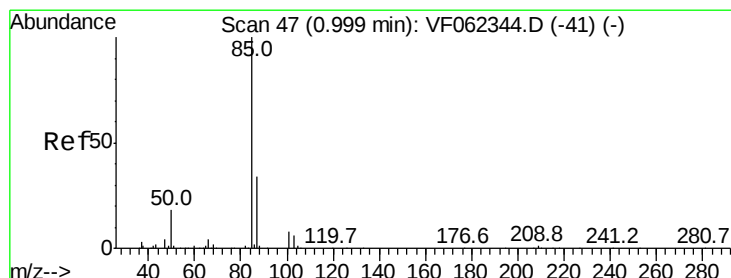
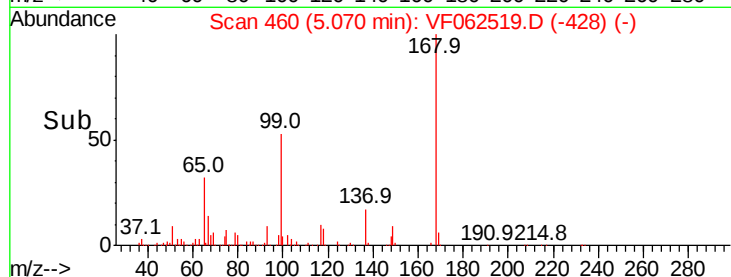
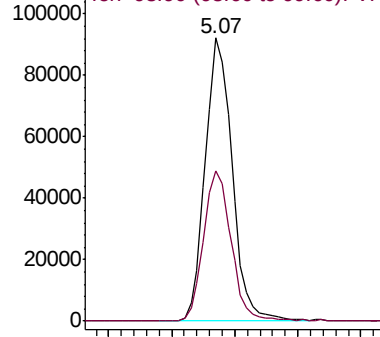
MMDadoda

5/13/2019 12:25:41 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0



#2

Dichlorodifluoromethane

Concen: 22.384 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062519.D

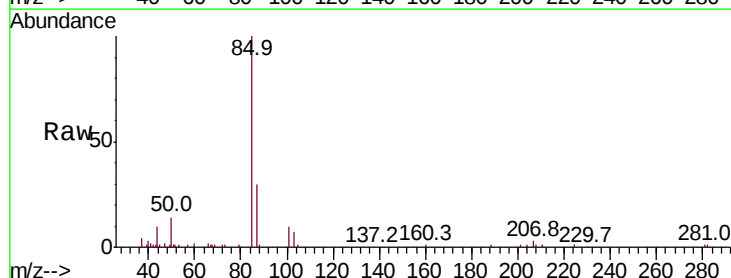
Acq: 13 May 2019 00:08

Tgt Ion: 85 Resp: 70693

Ion Ratio Lower Upper

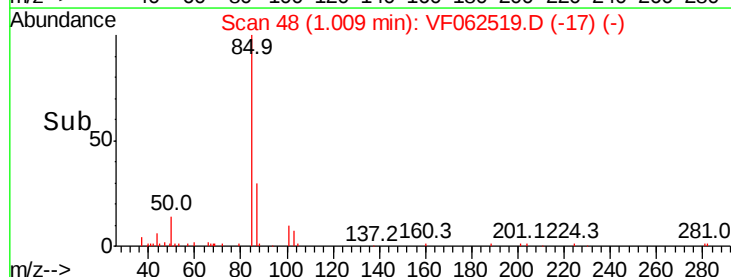
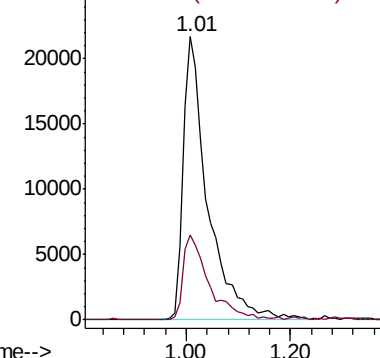
85 100

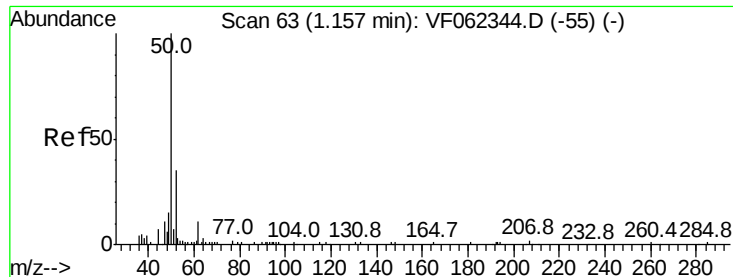
87 29.9 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0





#3

Chloromethane

Concen: 21.796 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS02

Tot Ion: 50 Resp: 45400

Ion Ratio Lower Upper

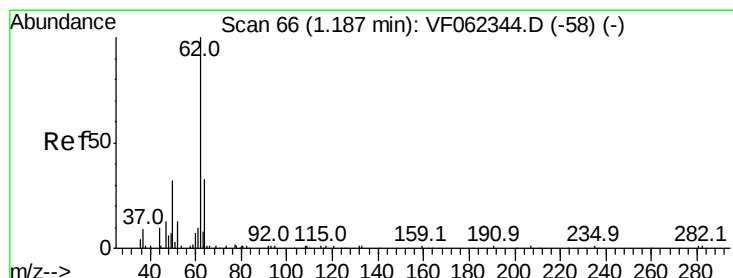
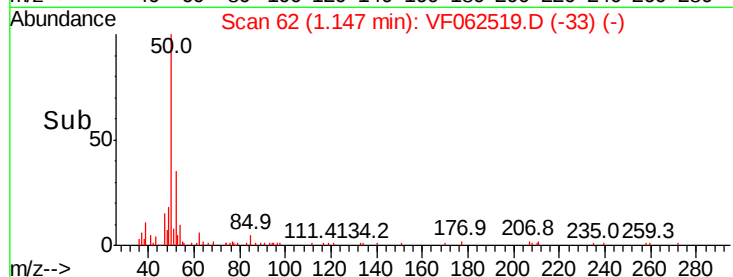
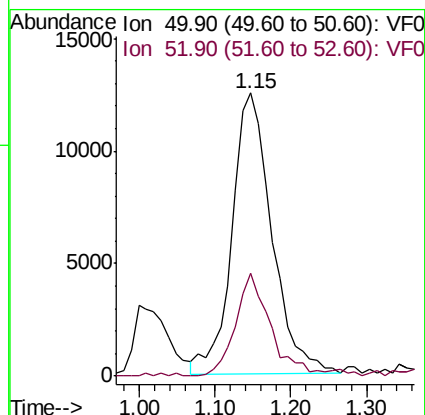
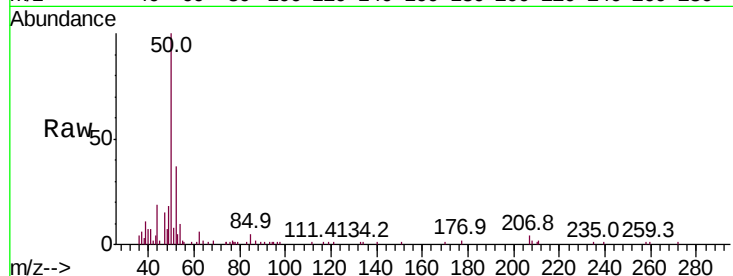
50 100

52 37.0 26.1 39.1

Manual Integrations
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5/13/2019 12:25:41 PM



#4

Vinyl Chloride

Concen: 20.004 ug/l

RT: 1.20 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062519.D

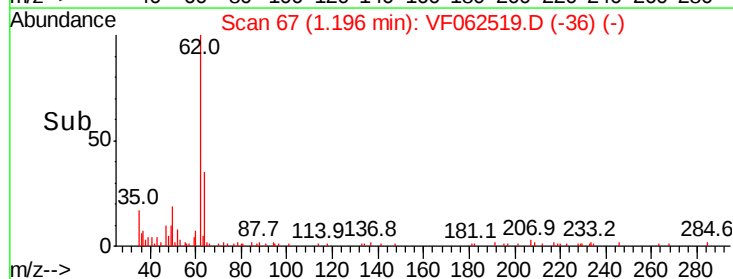
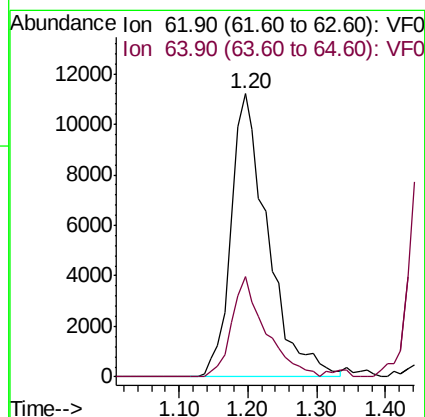
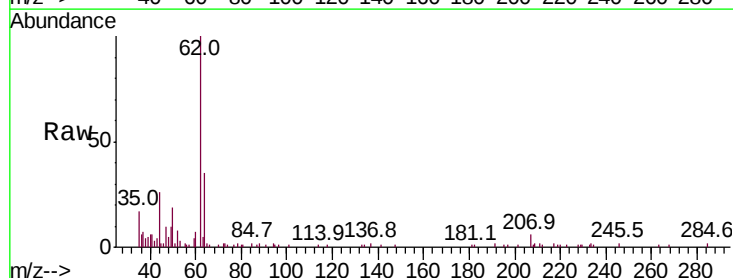
Acq: 13 May 2019 00:08

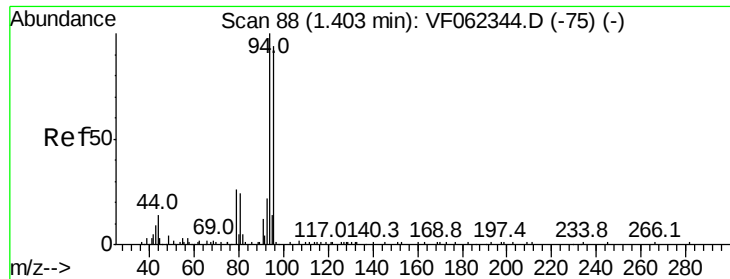
Tgt Ion: 62 Resp: 41560

Ion Ratio Lower Upper

62 100

64 35.5 26.1 39.1





#5

Bromomethane

Concen: 23.171 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 94 Resp: 38436

Ion Ratio Lower Upper

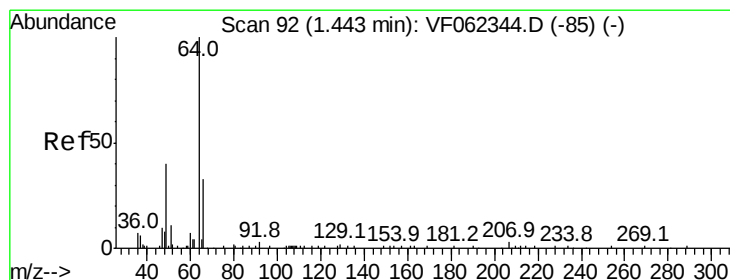
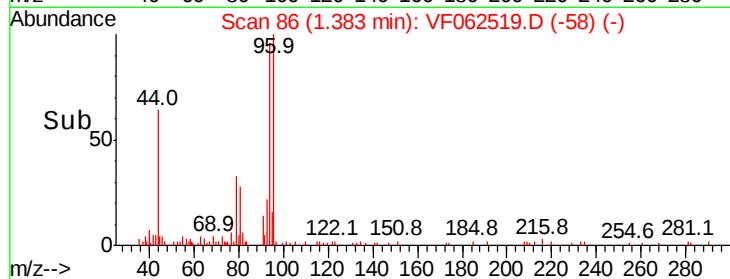
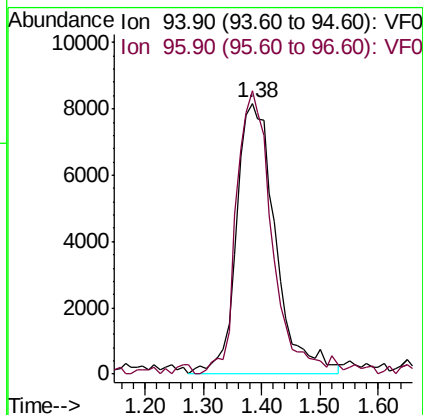
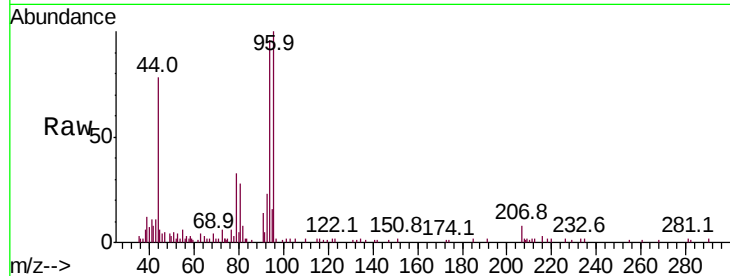
94 100

96 101.1 75.4 113.2

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#6

Chloroethane

Concen: 23.216 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062519.D

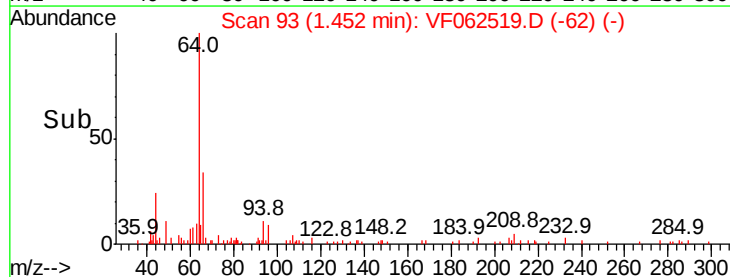
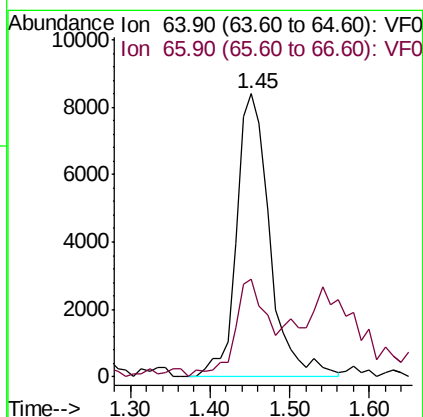
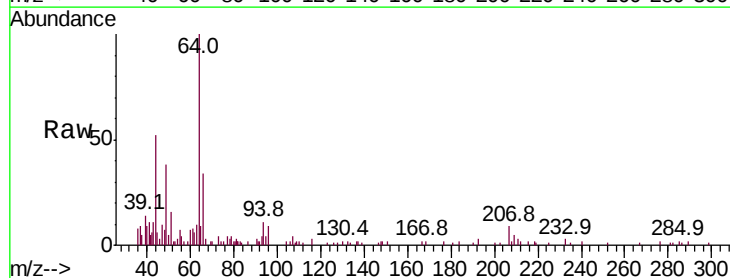
Acq: 13 May 2019 00:08

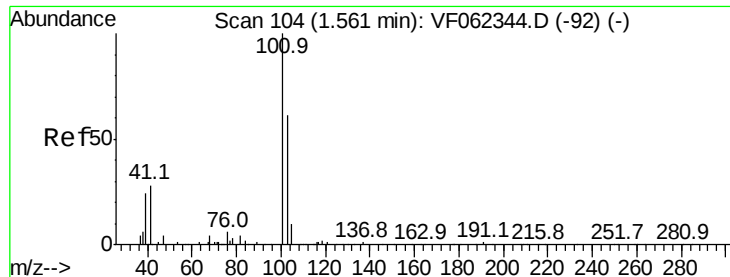
Tgt Ion: 64 Resp: 24250

Ion Ratio Lower Upper

64 100

66 34.4 26.6 39.8





#7

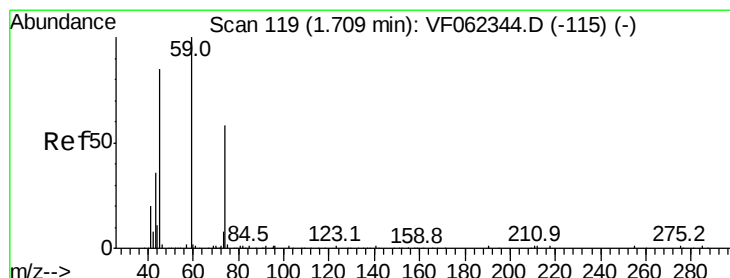
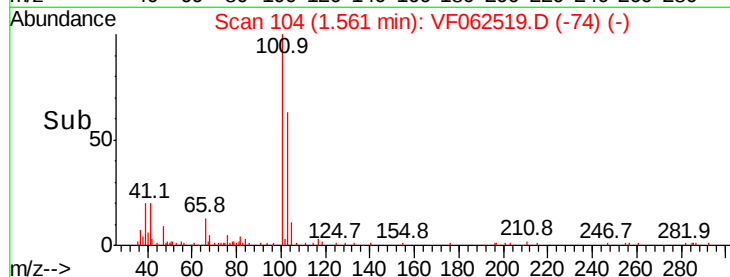
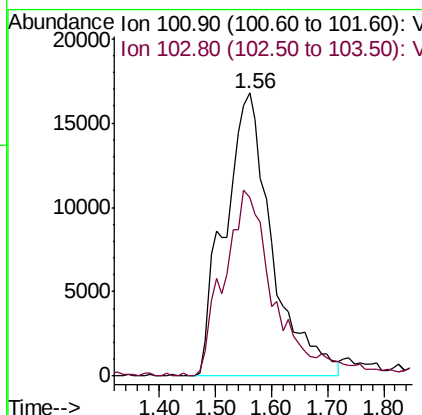
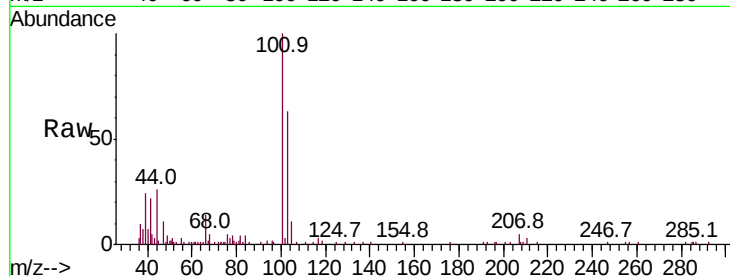
Trichlorofluoromethane
Concen: 22.981 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	48.5	72.7

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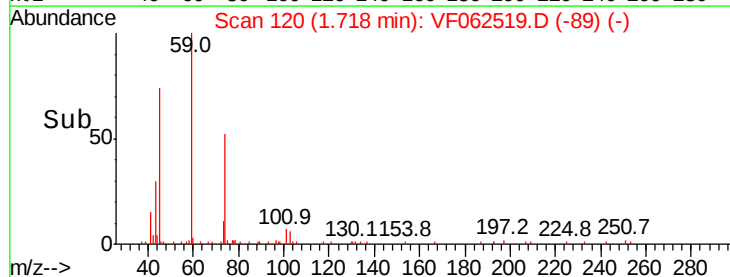
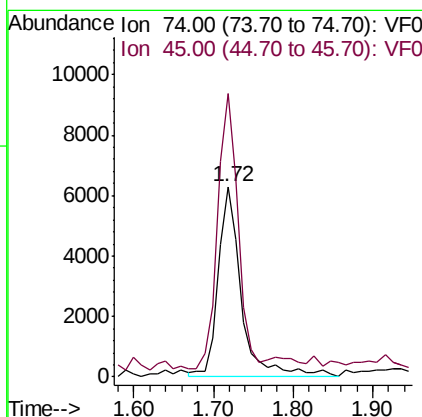
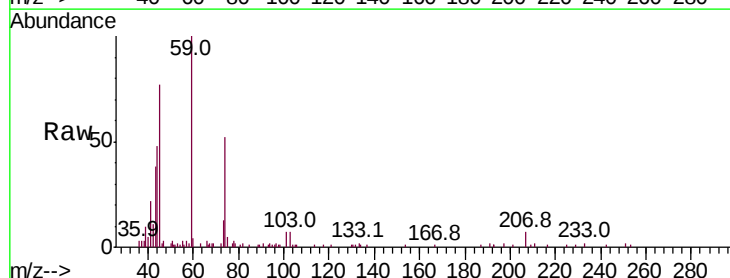
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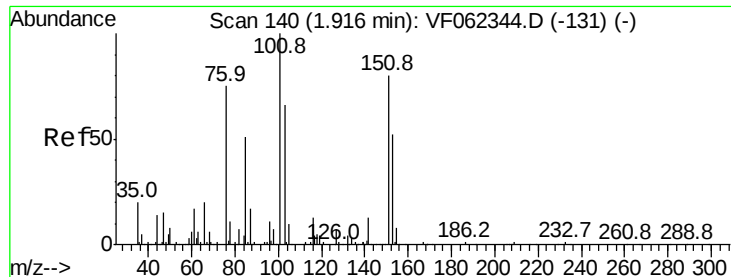


#8

Diethyl Ether
Concen: 19.948 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
74	100		
45	127.3	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.752 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

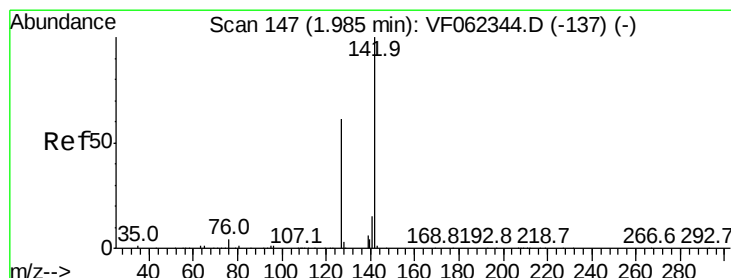
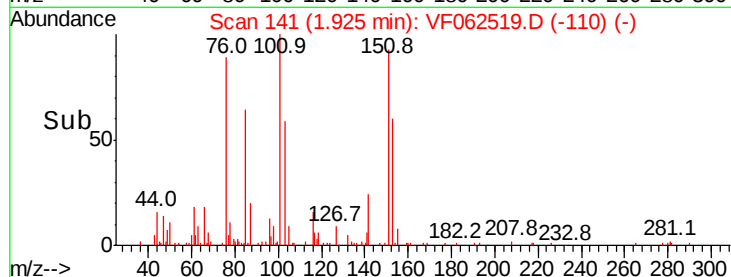
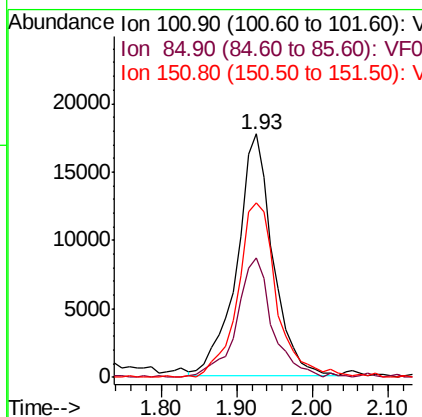
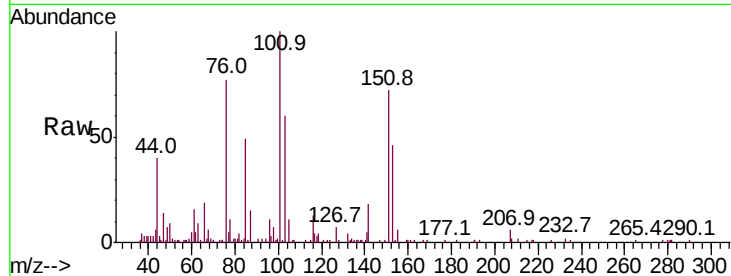
ClientSampleId :

VF0512SBSD02

Tot Ion:	101	Resp:	58455
Ion Ratio	Lower	Upper	
101	100		
85	48.7	39.5	59.3
151	78.5	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 24.343 ug/l m

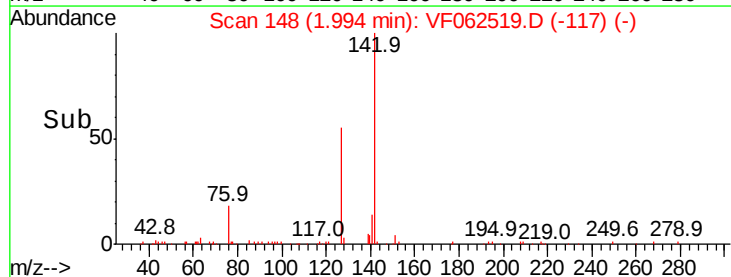
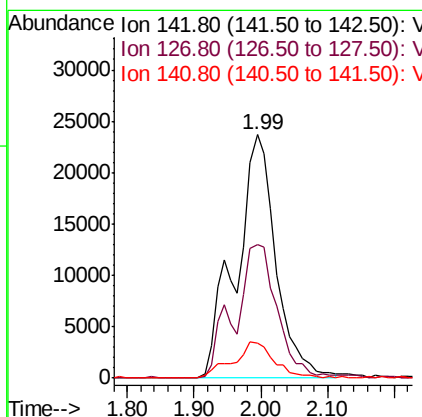
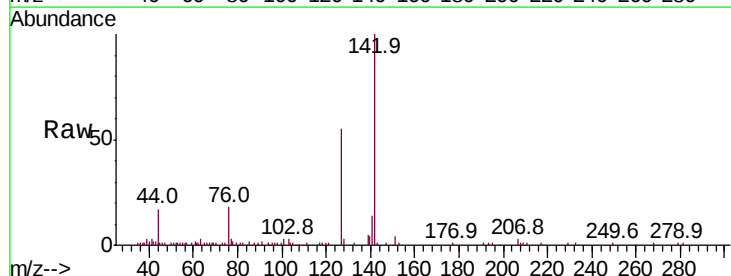
RT: 1.99 min Scan# 148

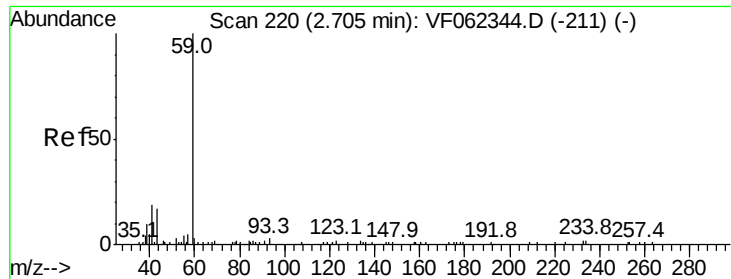
Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	142	Resp:	98726
Ion Ratio	Lower	Upper	
142	100		
127	43.1	48.4	72.6#
141	15.3	12.2	18.4





#11

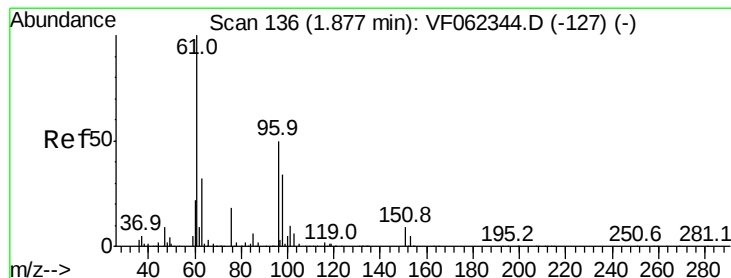
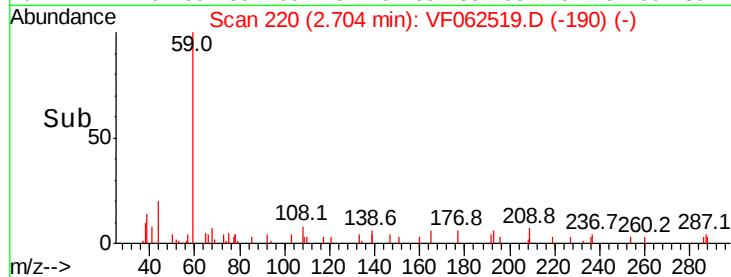
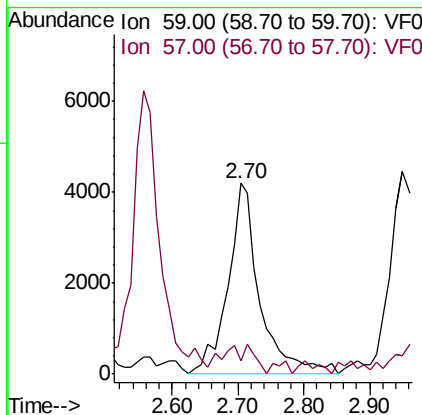
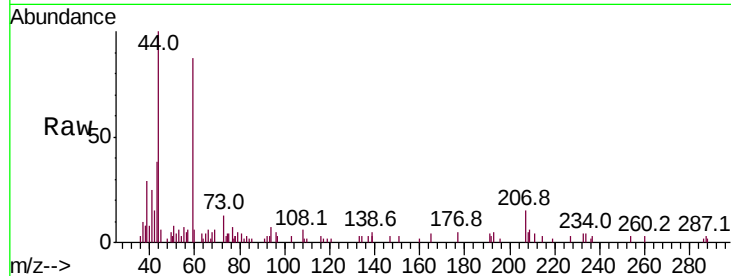
Tert butyl alcohol
 Concen: 97.077 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	9.3	13.9#

Manual Integrations
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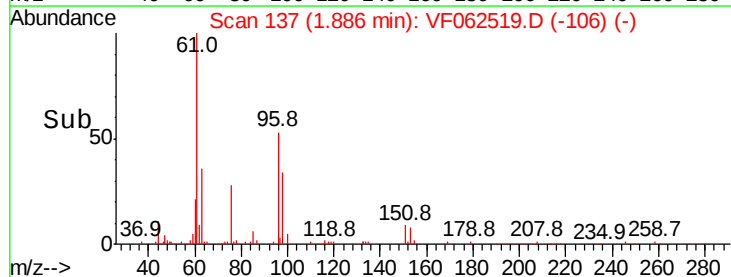
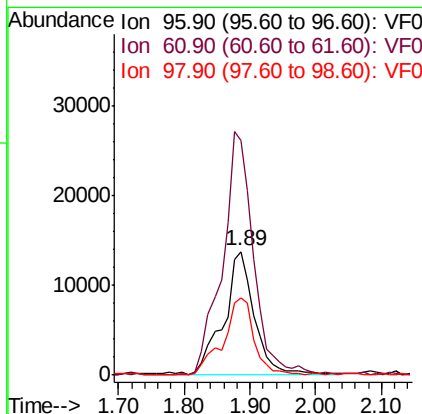
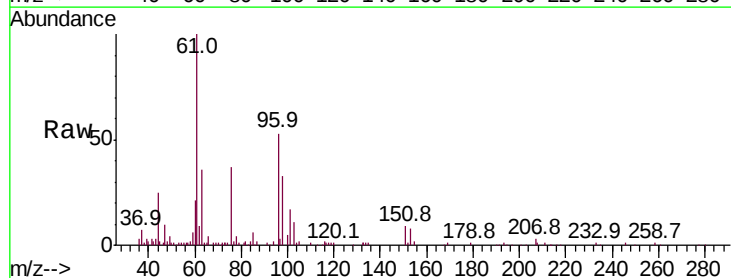
MMDadoda
 5/13/2019 12:25:41 PM

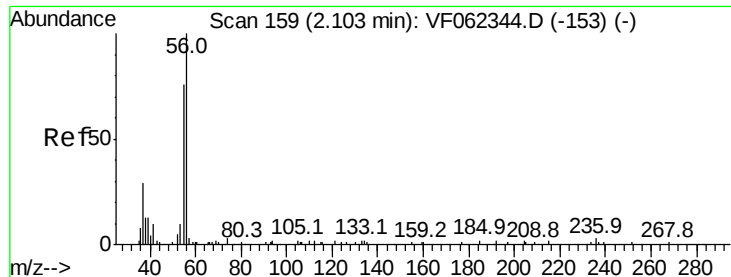


#12

1,1-Dichloroethene
 Concen: 20.942 ug/l
 RT: 1.89 min Scan# 137
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
96	100		
61	190.6	163.2	244.8
98	63.5	55.2	82.8





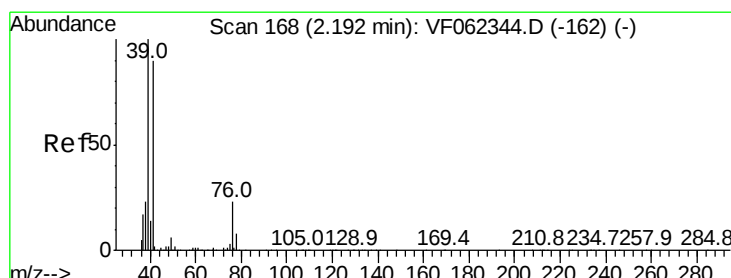
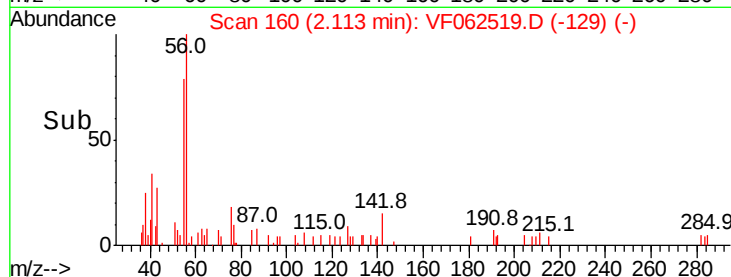
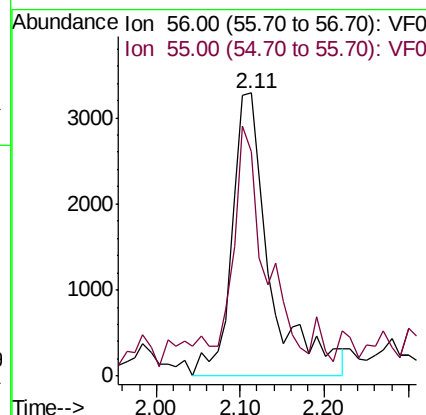
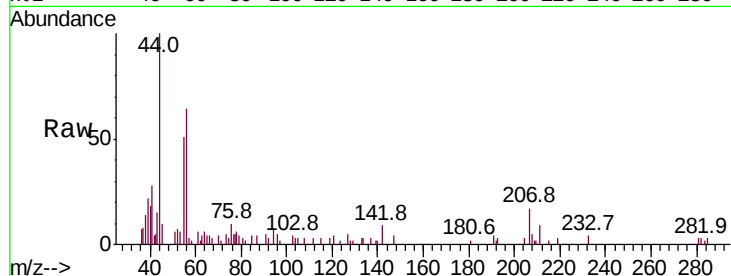
#13
Acrolein
Concen: 101.511 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	56	Resp	10275
Ion Ratio	100	Lower	Upper
55	84.9	58.4	87.6

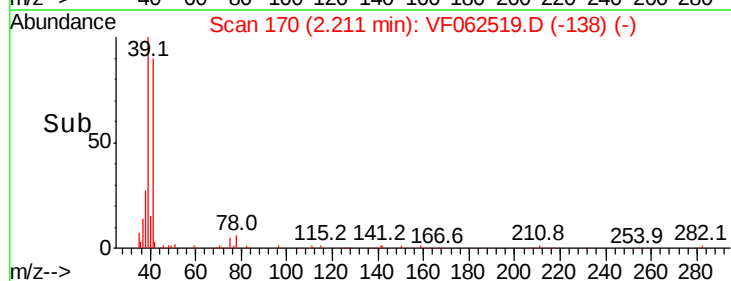
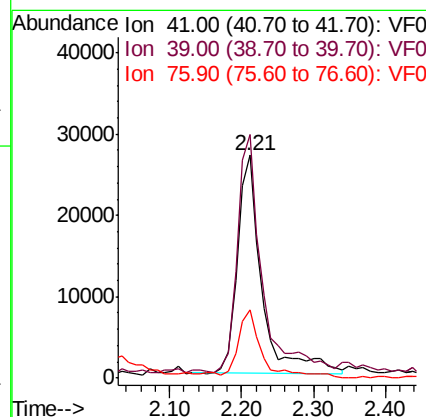
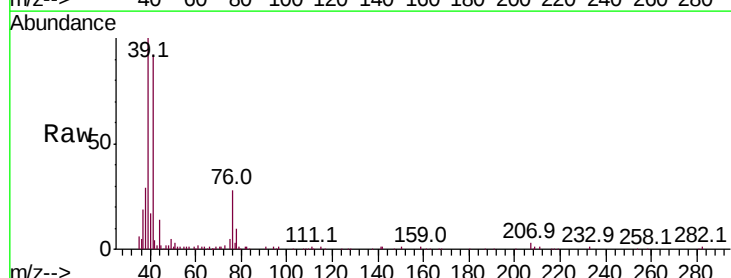
Manual Integrations
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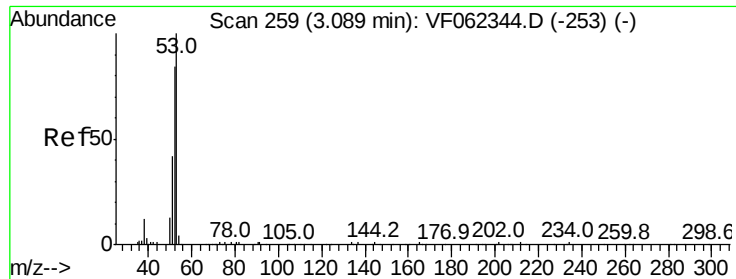
MMDadoda
5/13/2019 12:25:41 PM



#14
Allyl chloride
Concen: 34.611 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	41	Resp	63966
Ion Ratio	100	Lower	Upper
39	109.5	90.8	136.2
76	32.7	22.2	33.4





#15

Acrylonitrile

Concen: 107.737 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

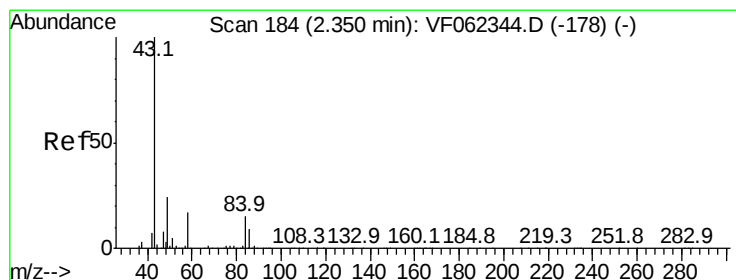
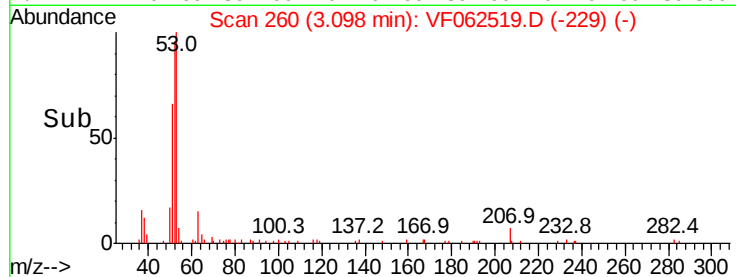
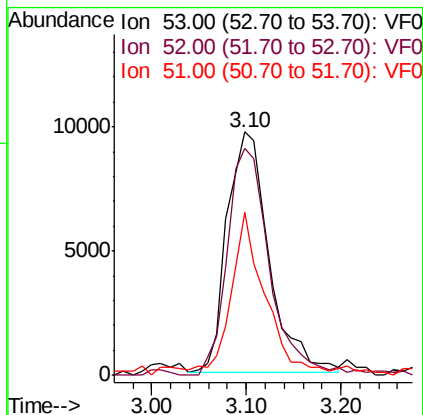
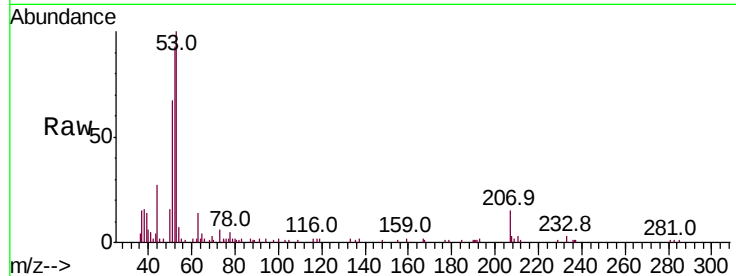
ClientSampleId :

VF0512SBS02

Tot Ion:	53	Resp:	29745
Ion Ratio	Lower	Upper	
53	100		
52	95.8	77.2	115.8
51	51.8	40.6	61.0

Manual Integrations
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#16

Acetone

Concen: 79.858 ug/l

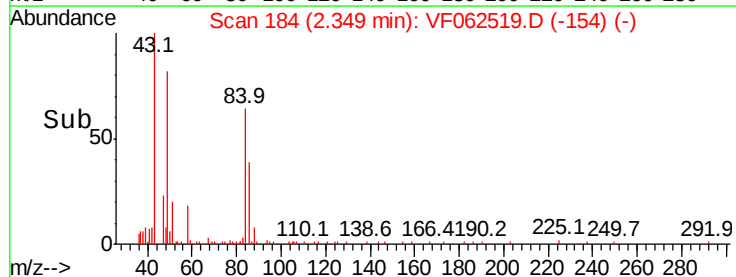
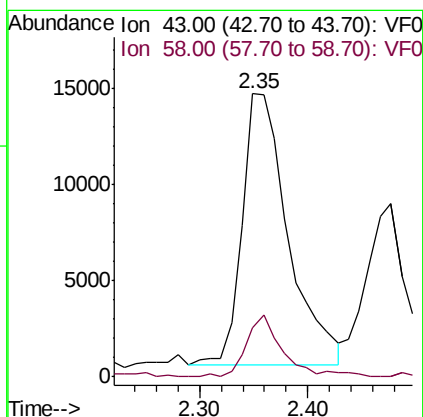
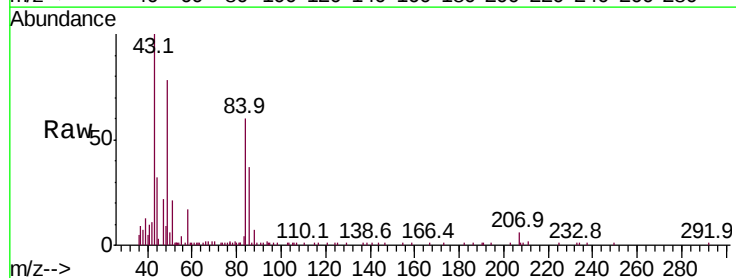
RT: 2.35 min Scan# 184

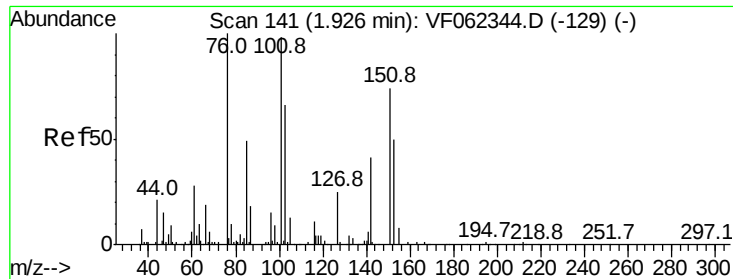
Delta R.T. -0.00 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	43	Resp:	41661
Ion Ratio	Lower	Upper	
43	100		
58	18.1	13.1	19.7





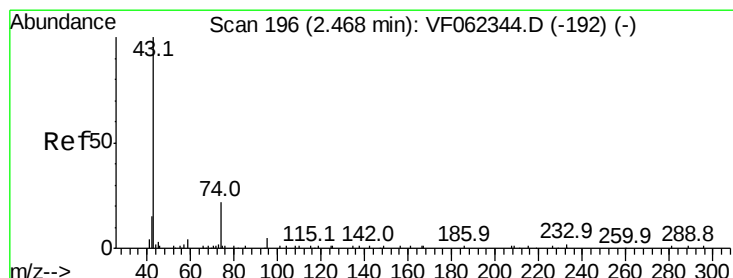
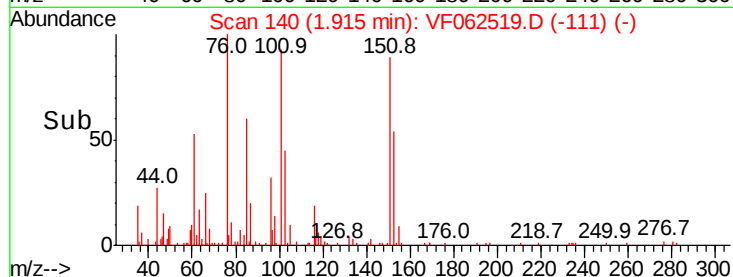
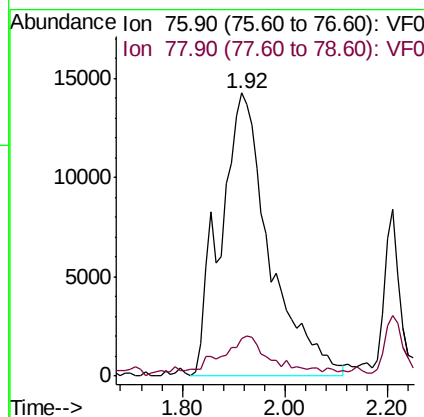
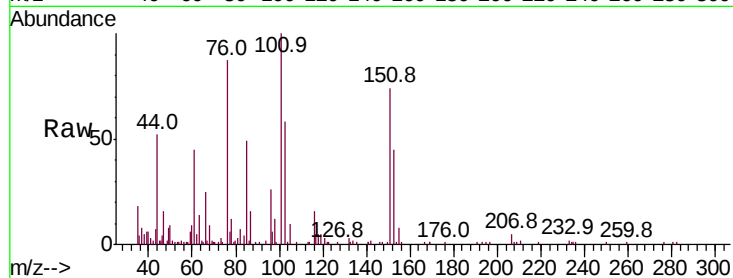
#17
Carbon Disulfide
Concen: 21.003 ug/l m
RT: 1.92 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion: 76 Resp: 95812
Ion Ratio Lower Upper
76 100
78 13.4 9.0 13.4

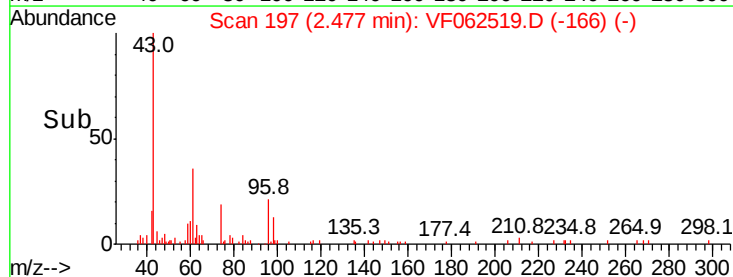
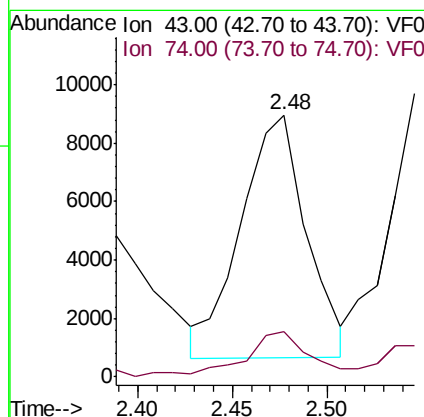
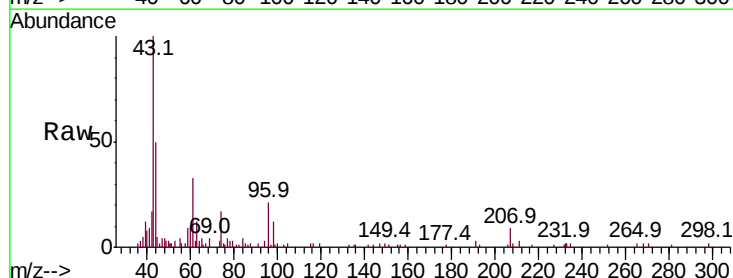
Manual Integrations
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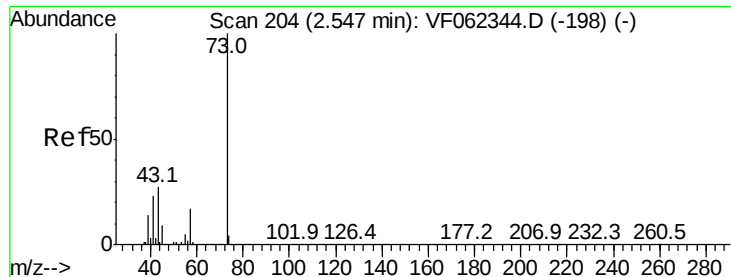
MMDadoda
5/13/2019 12:25:41 PM



#18
Methyl Acetate
Concen: 19.100 ug/l
RT: 2.48 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion: 43 Resp: 20013
Ion Ratio Lower Upper
43 100
74 19.5 15.0 22.4





#19

Methyl tert-butyl Ether

Concen: 21.005 ug/l

RT: 2.56 min Scan# 205

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

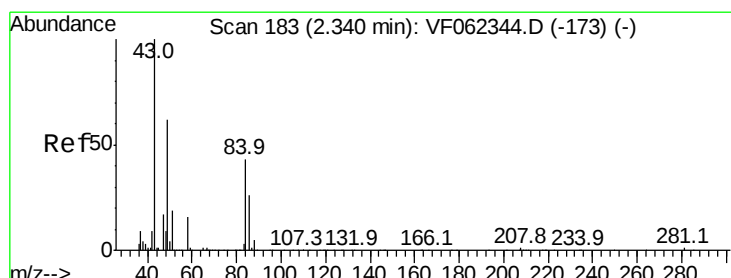
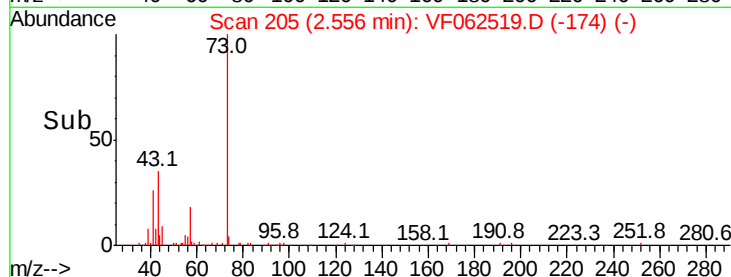
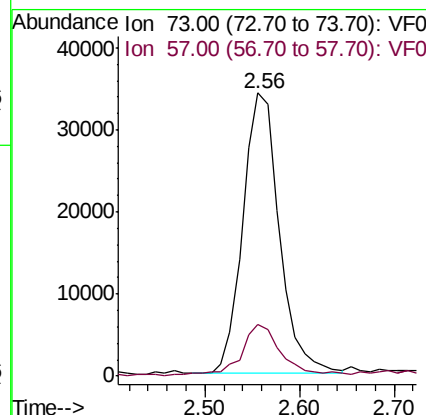
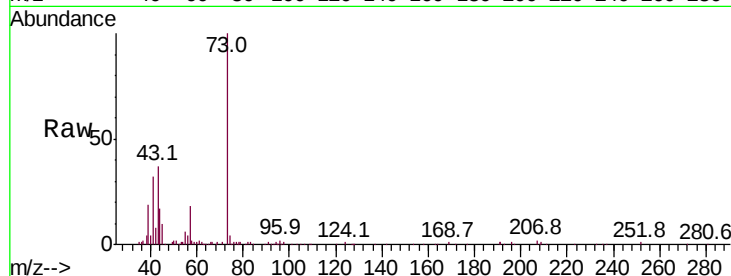
Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion: 73 Resp: 90716

Ion	Ratio	Lower	Upper
73	100		
57	17.3	13.7	20.5

Manual Integrations
APPROVED

MMDadoda
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#20

Methylene Chloride

Concen: 21.706 ug/l m

RT: 2.35 min Scan# 184

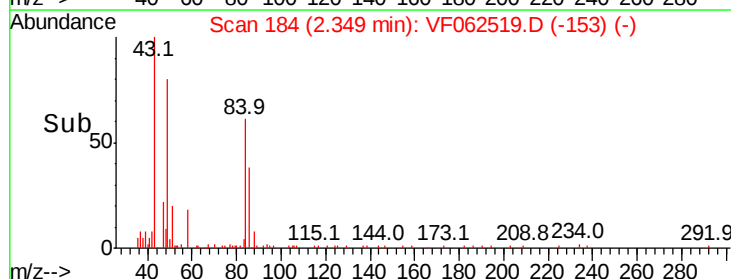
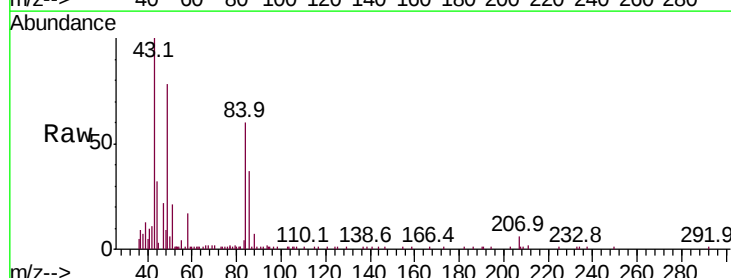
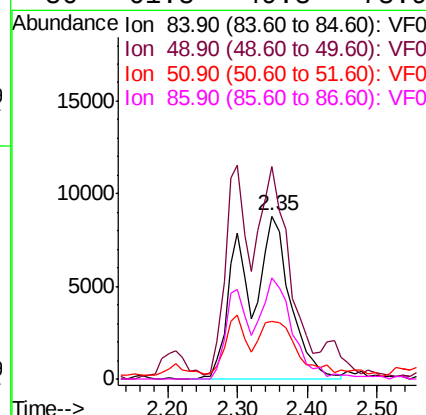
Delta R.T. 0.01 min

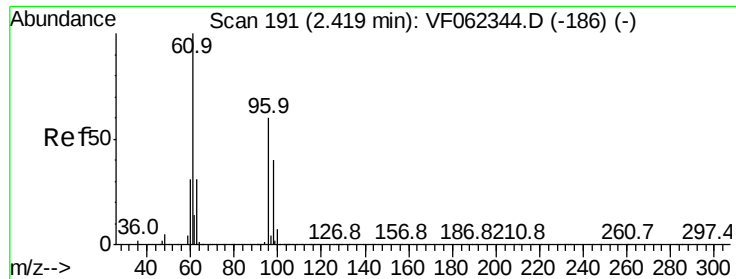
Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion: 84 Resp: 40969

Ion	Ratio	Lower	Upper
84	100		
49	130.6	117.5	176.3
51	35.8	37.0	55.4#
86	61.8	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 20.966 ug/l

RT: 2.44 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

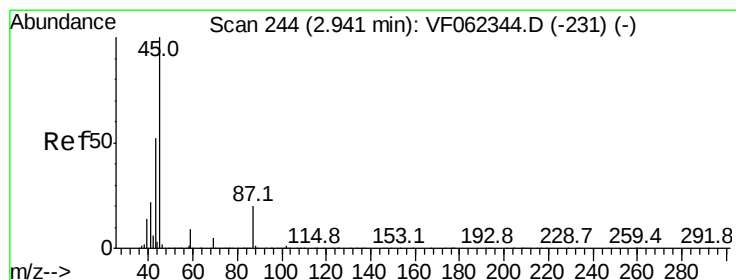
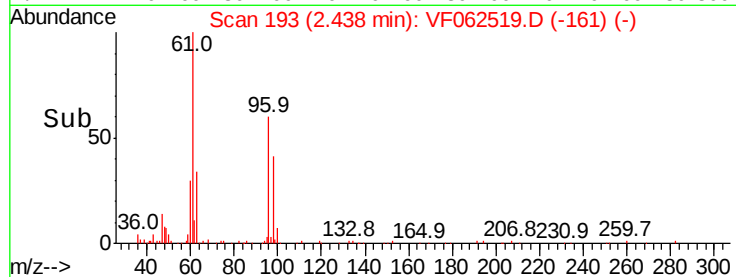
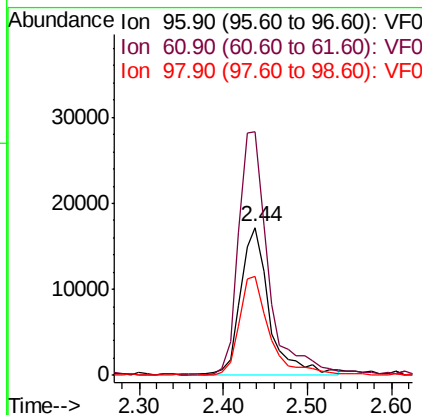
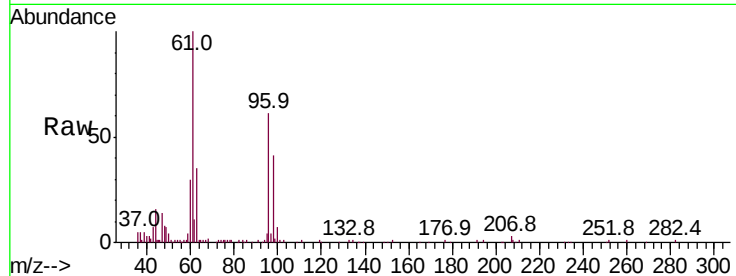
ClientSampleId :

VF0512SBSD02

Tot Ion:	96	Resp:	41793
Ion	Ratio	Lower	Upper
96	100		
61	164.2	133.2	199.8
98	65.6	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.072 ug/l

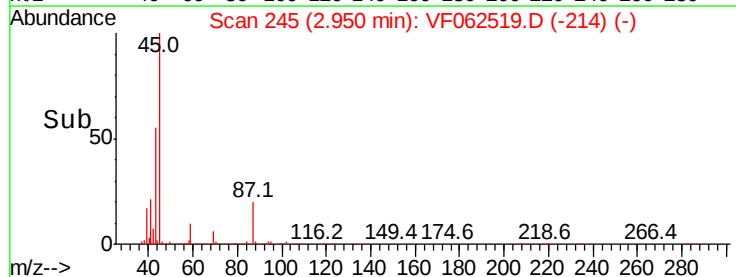
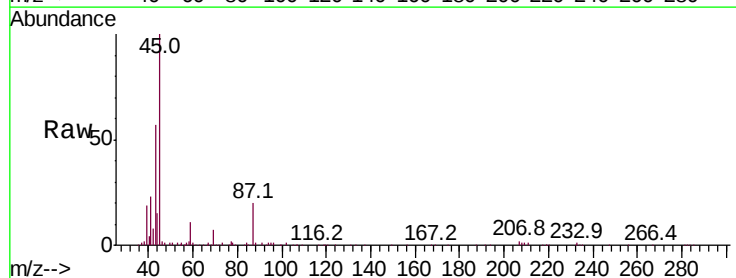
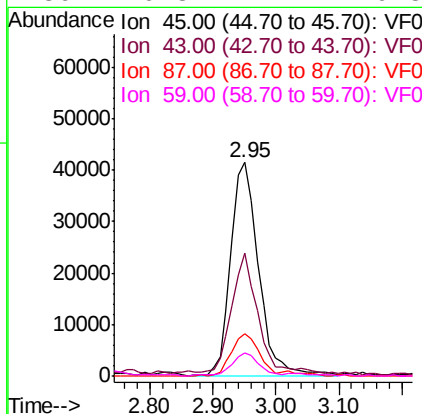
RT: 2.95 min Scan# 245

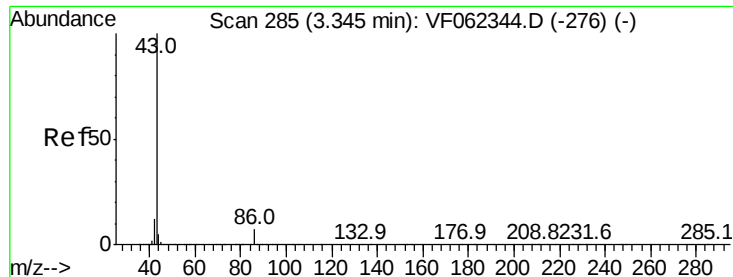
Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	45	Resp:	127493
Ion	Ratio	Lower	Upper
45	100		
43	56.3	41.4	62.0
87	19.6	15.8	23.6
59	10.8	7.2	10.8





#23

Vinyl Acetate

Concen: 95.991 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS02

Tot Ion: 43 Resp: 247119

Ion Ratio Lower Upper

43 100

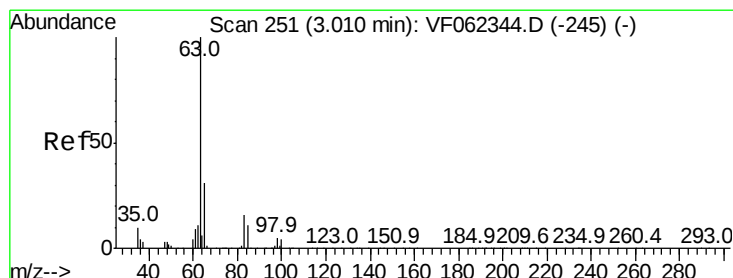
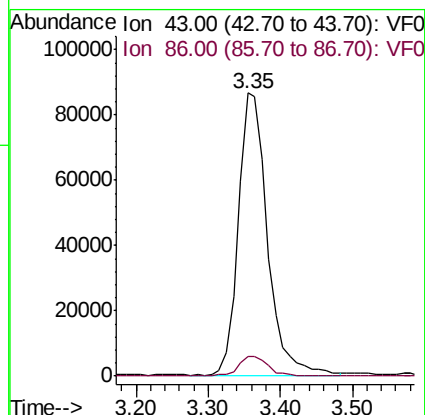
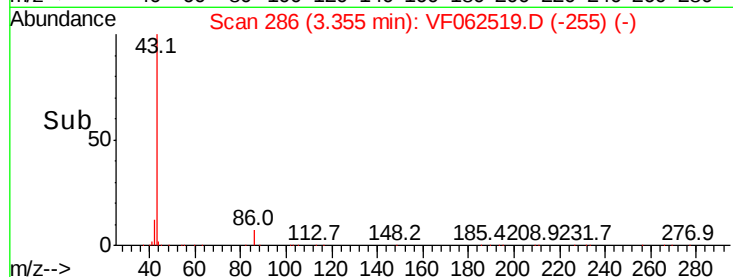
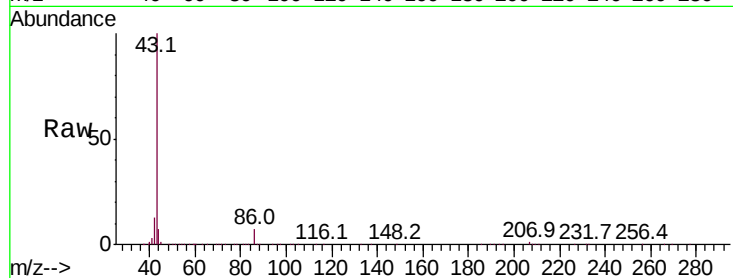
86 7.0 5.7 8.5

Manual Integrations

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MMDadoda

5/13/2019 12:25:41 PM



#24

1,1-Dichloroethane

Concen: 23.350 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

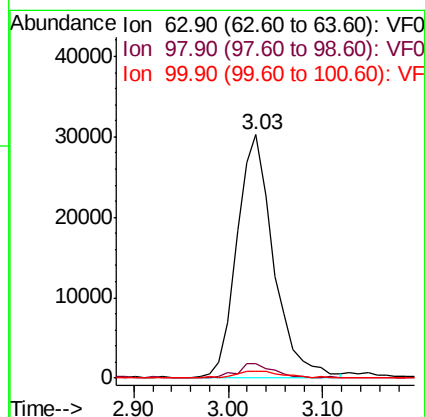
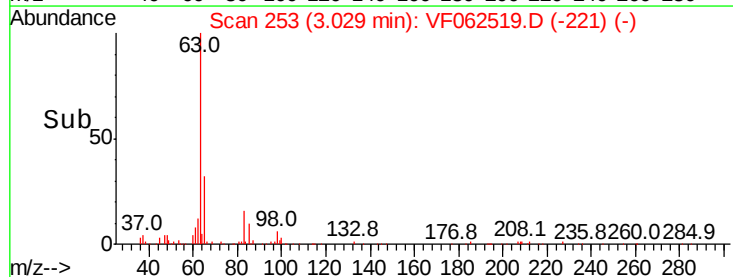
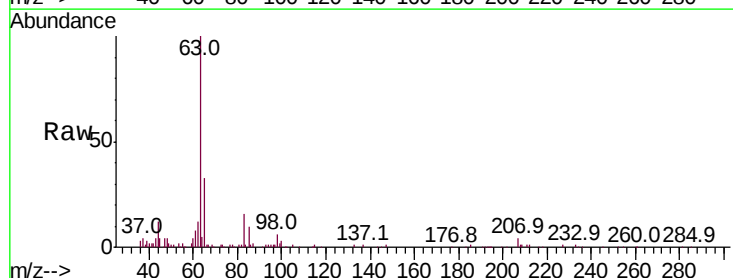
Tgt Ion: 63 Resp: 81515

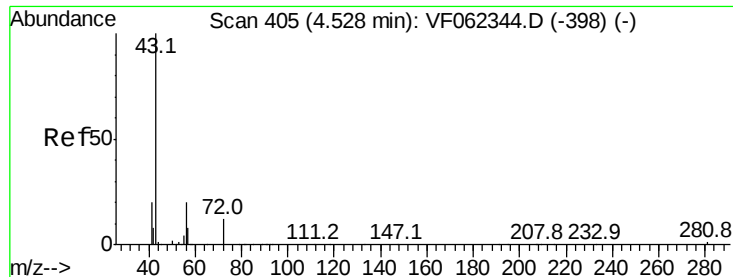
Ion Ratio Lower Upper

63 100

98 5.8 2.6 8.0

100 2.8 1.8 5.4





#25

2-Butanone

Concen: 96.229 ug/l

RT: 4.55 min Scan# 407

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 43 Resp: 63069

Ion Ratio Lower Upper

43 100

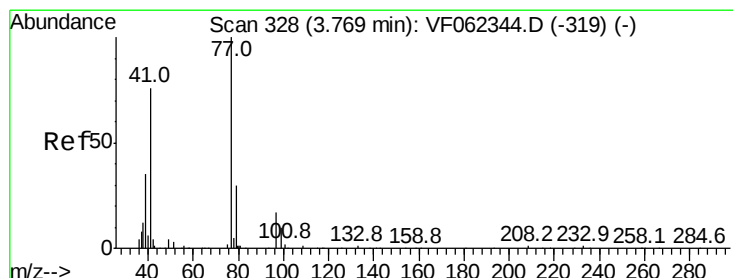
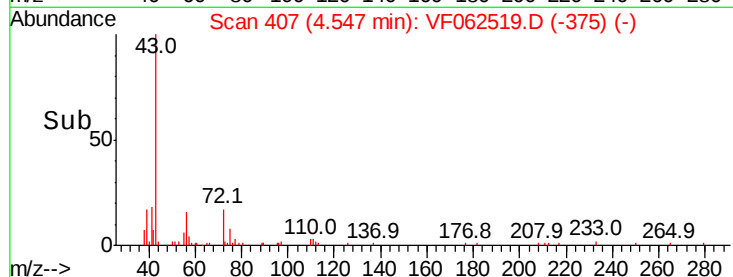
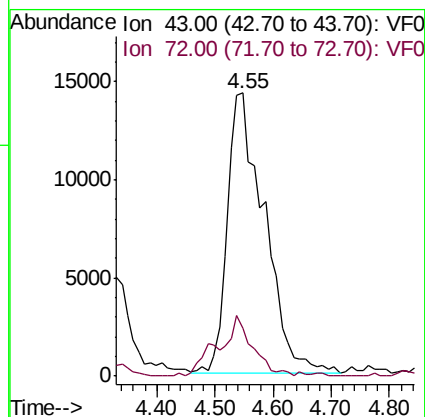
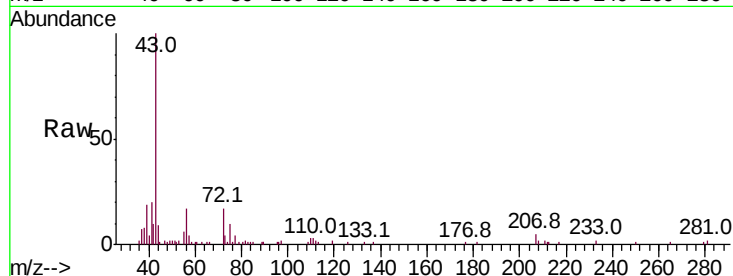
72 17.0 14.2 21.4

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5/13/2019 12:25:41 PM



#26

2,2-Dichloropropane

Concen: 22.849 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.03 min

Lab File: VF062519.D

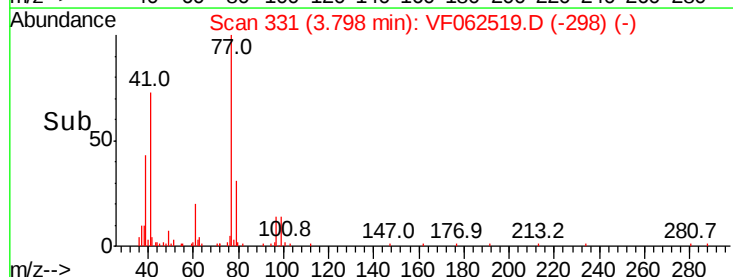
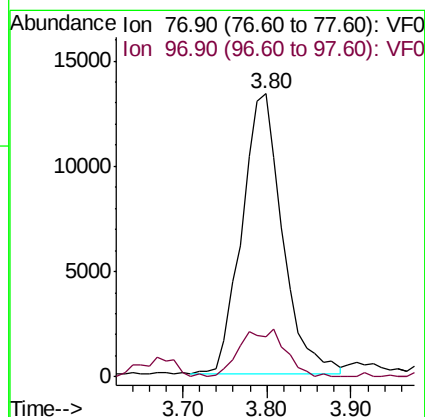
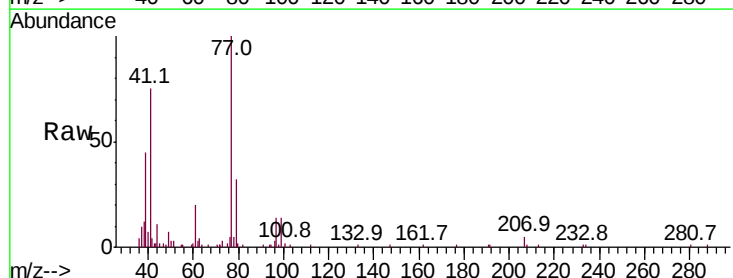
Acq: 13 May 2019 00:08

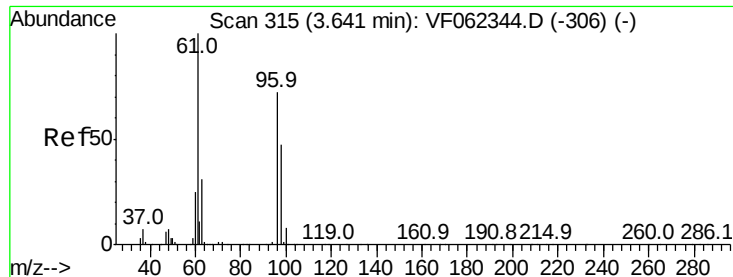
Tgt Ion: 77 Resp: 44545

Ion Ratio Lower Upper

77 100

97 19.2 9.5 28.5





#27

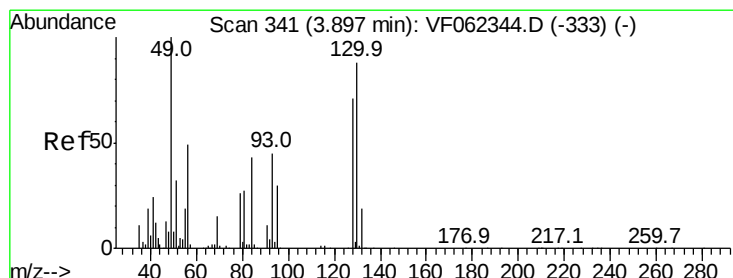
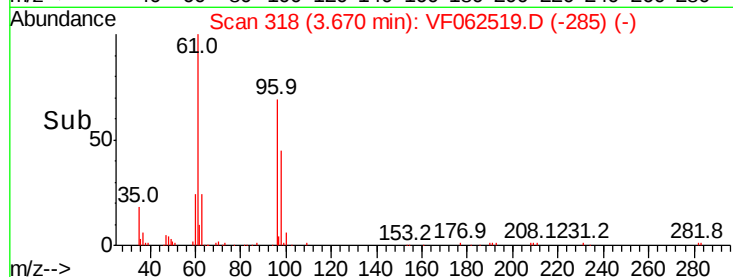
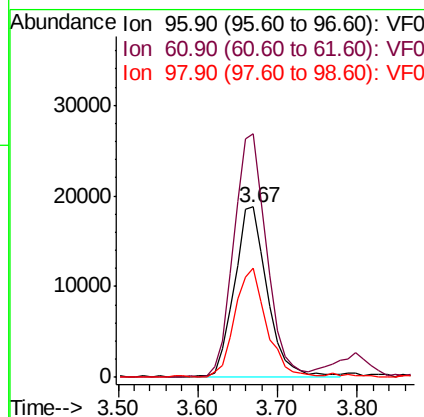
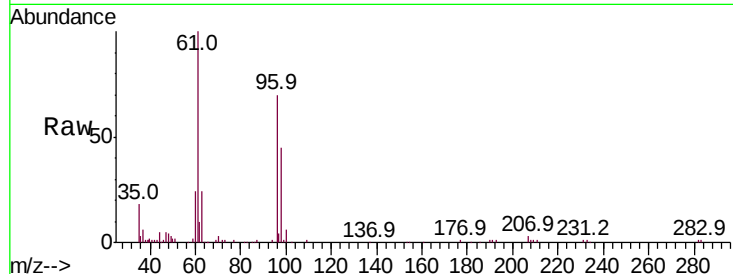
cis-1,2-Dichloroethene
Concen: 21.953 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54701		
61	141.6		0.0	263.0
98	61.2		0.0	130.8

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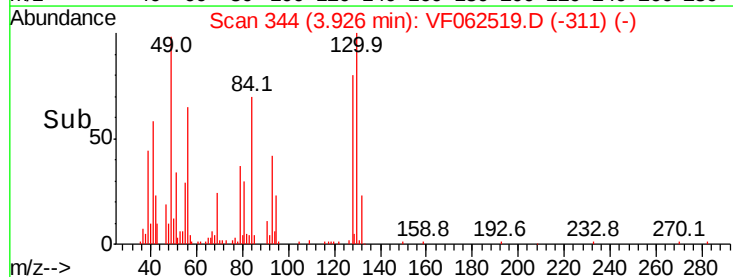
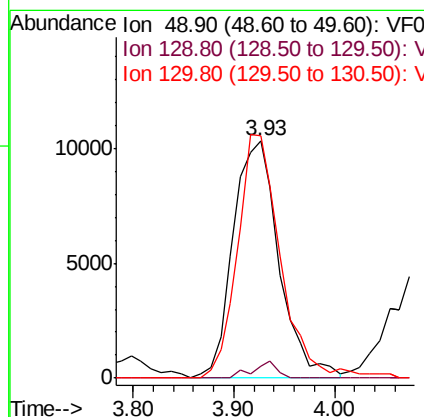
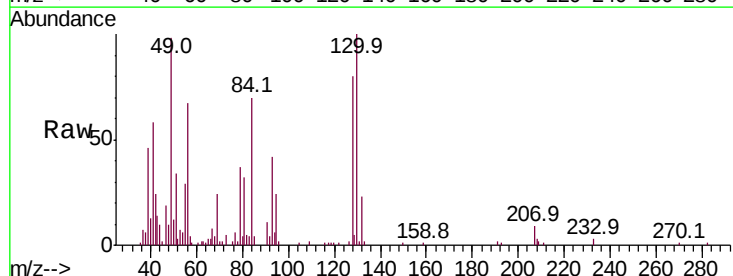
MMDadoda
5/13/2019 12:25:41 PM

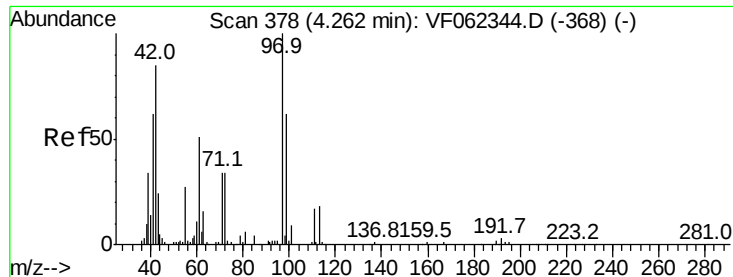


#28

Bromochloromethane
Concen: 20.766 ug/l
RT: 3.93 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	32877		
129	3.6		0.0	2.2#
130	96.9		79.4	119.0





#29

Tetrahydrofuran

Concen: 89.615 ug/l

RT: 4.28 min Scan# 380

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

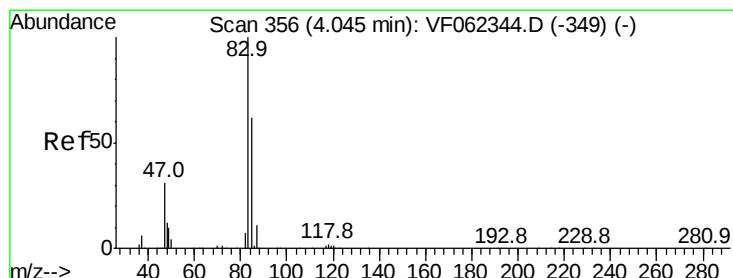
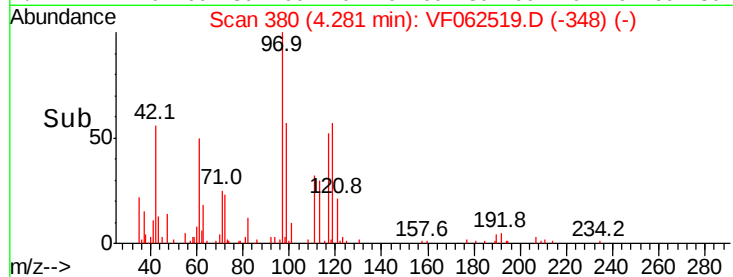
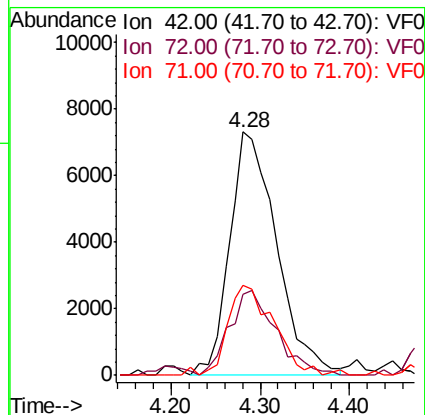
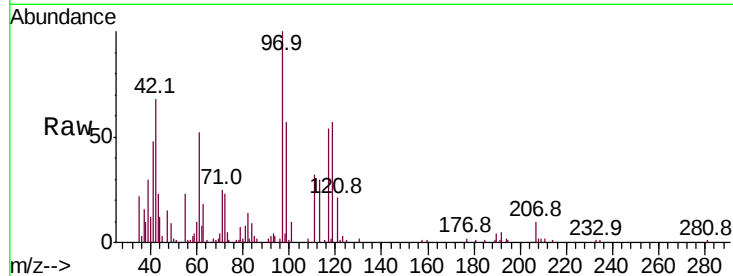
ClientSampleId :

VF0512SBSD02

Tot Ion:	42	Resp:	26994
Ion Ratio	Lower	Upper	
42	100		
72	34.4	31.4	47.0
71	36.7	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 23.971 ug/l

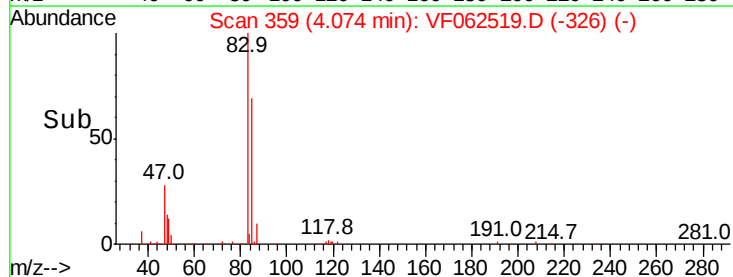
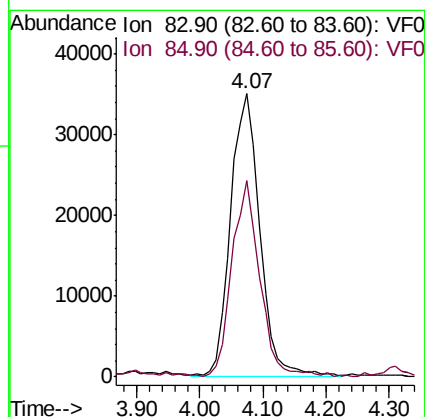
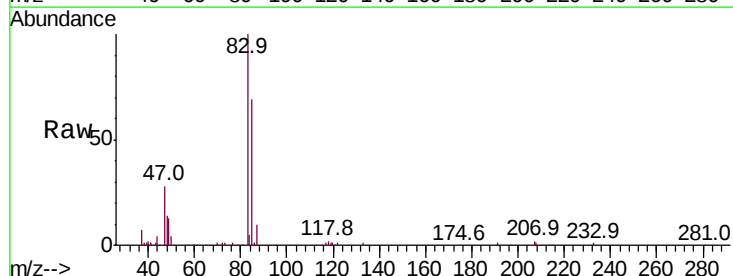
RT: 4.07 min Scan# 359

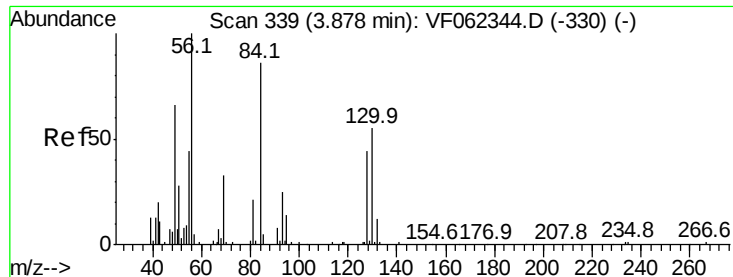
Delta R.T. 0.03 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	83	Resp:	113055
Ion Ratio	Lower	Upper	
83	100		
85	68.9	49.6	74.4





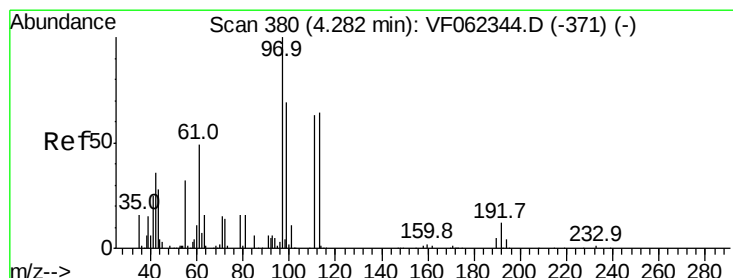
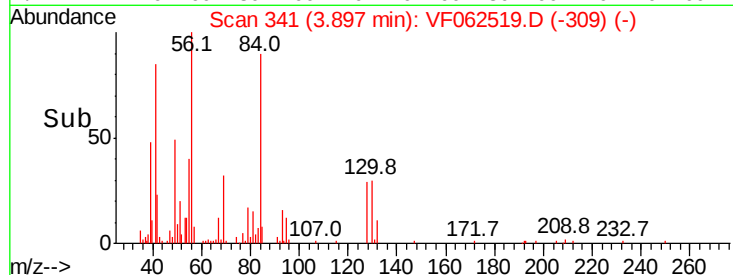
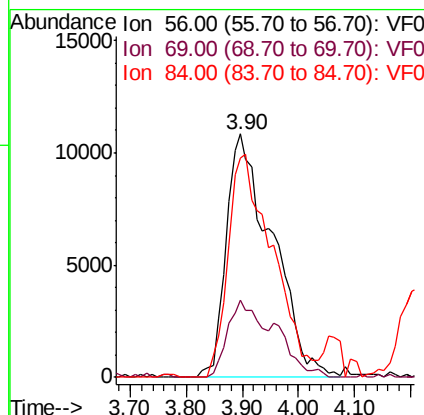
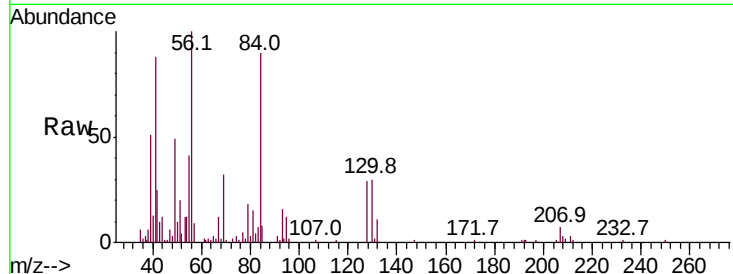
#31
Cvclohexane
Concen: 22.011 ug/l
RT: 3.90 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.0	26.4	39.6
84	90.2	69.0	103.6

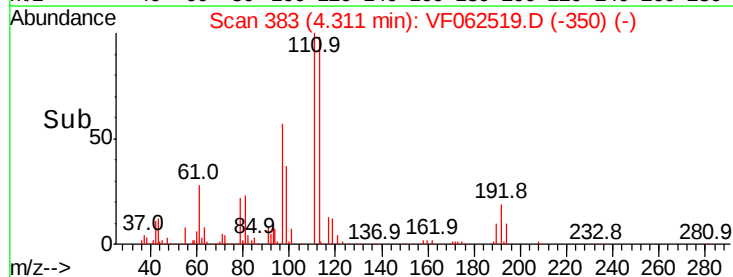
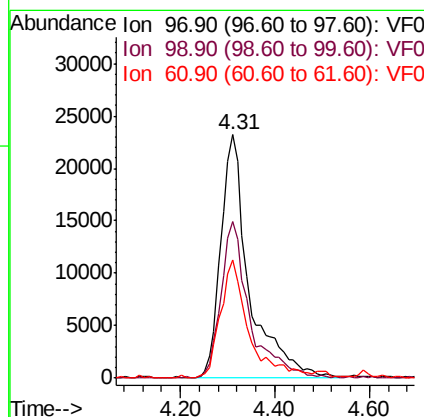
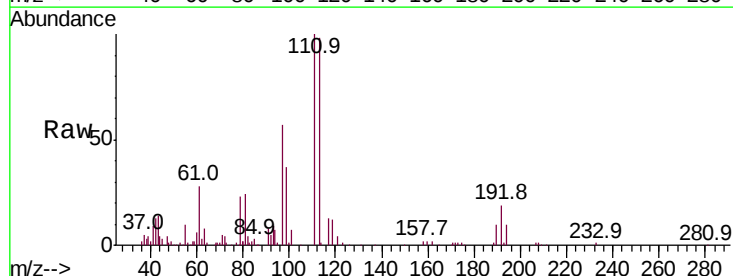
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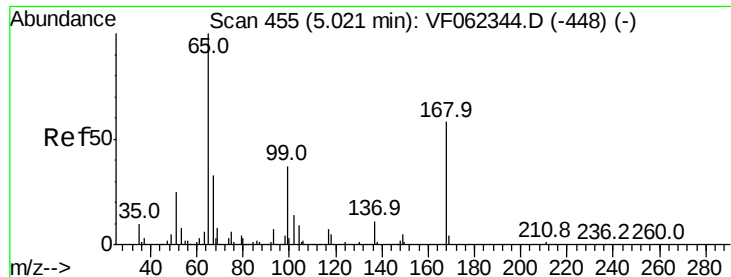
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 24.052 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.6	78.8
61	48.2	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 54.091 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 65 Resp: 139493

Ion Ratio Lower Upper

65 100

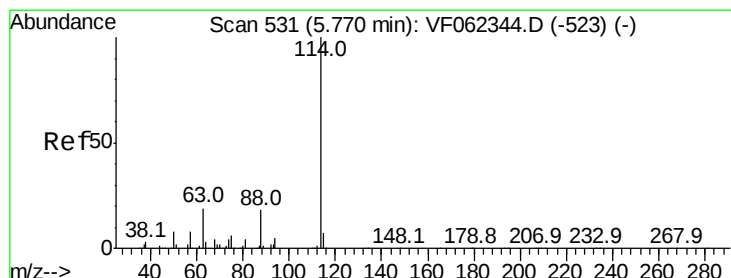
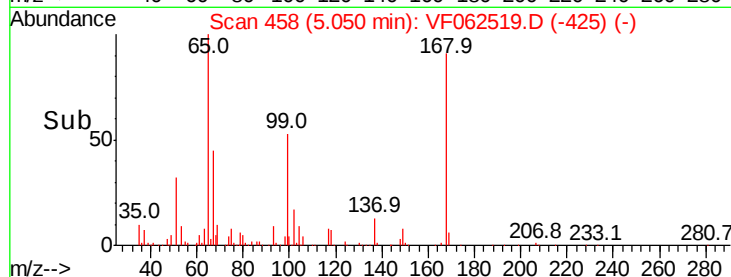
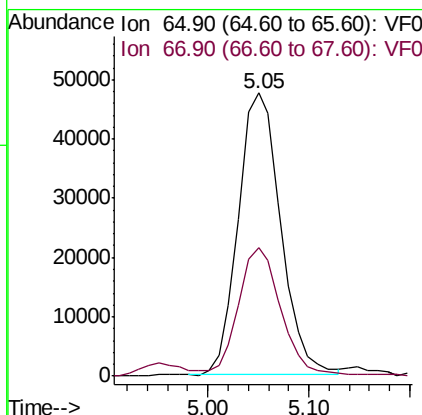
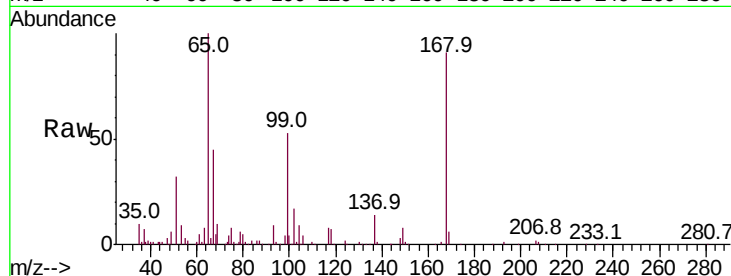
67 45.1 0.0 85.8

Manual Integrations

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5/13/2019 12:25:41 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

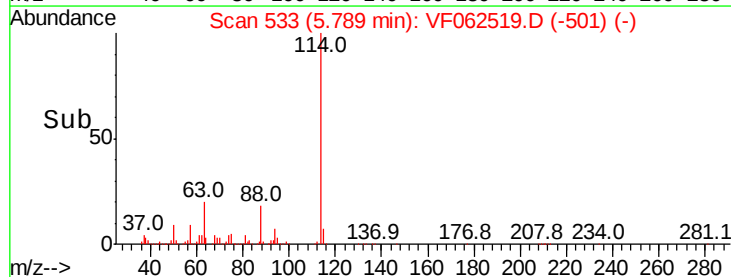
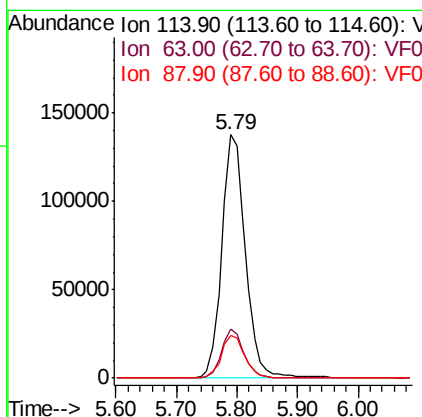
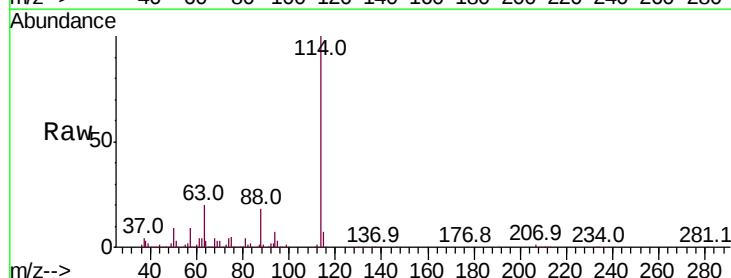
Tgt Ion: 114 Resp: 372540

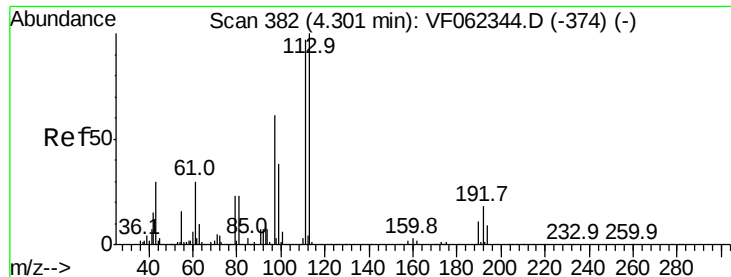
Ion Ratio Lower Upper

114 100

63 19.8 0.0 37.4

88 17.6 0.0 36.4





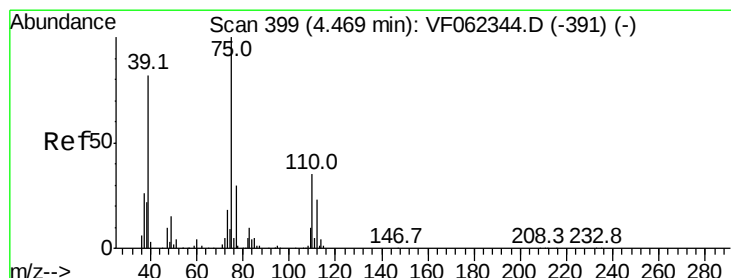
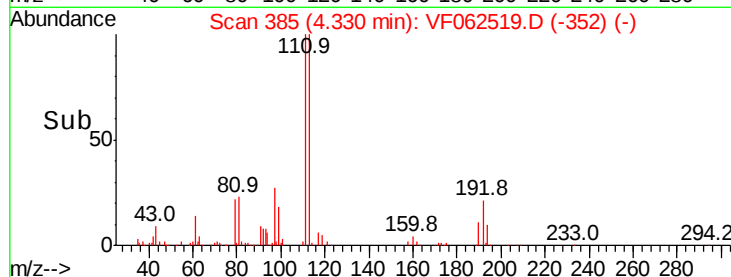
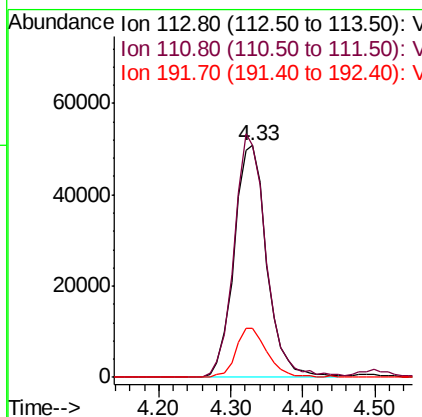
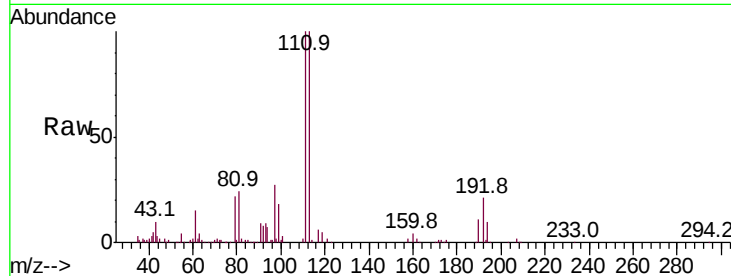
#35
 Dibromofluoromethane
 Concen: 54.208 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.03 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	160888		
111	102.6	79.4	119.0	
192	20.6	16.0	24.0	

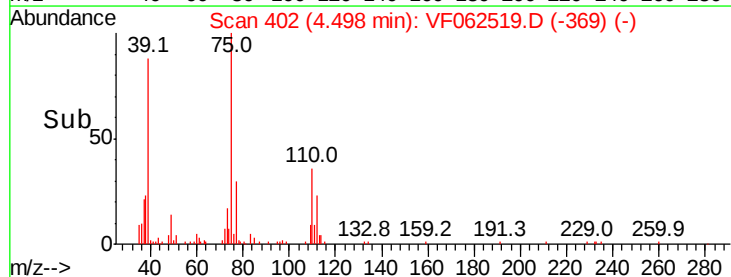
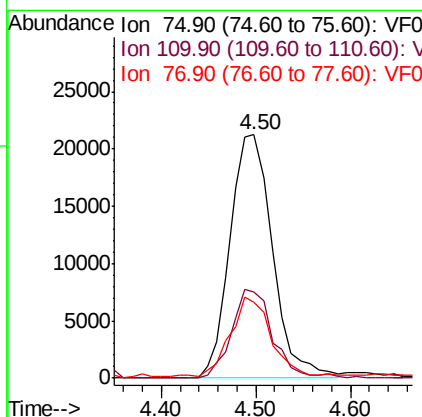
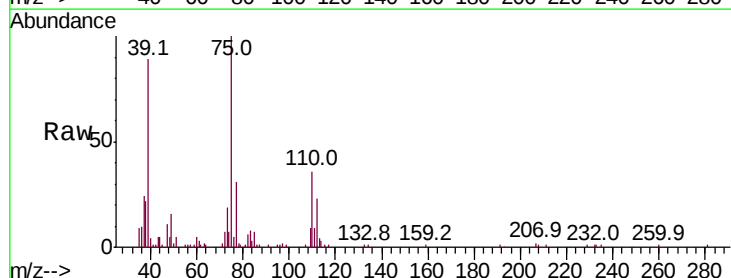
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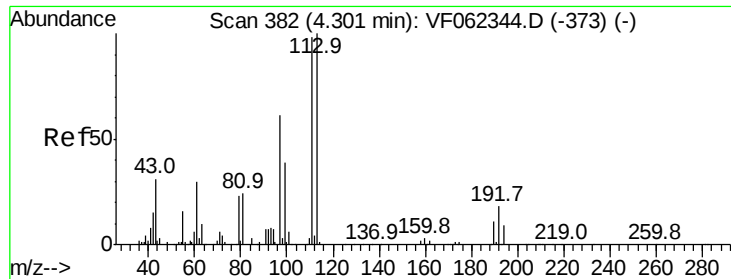
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#36
 1,1-Dichloropropene
 Concen: 20.780 ug/l
 RT: 4.50 min Scan# 402
 Delta R.T. 0.03 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66500		
110	35.1	17.2	51.5	
77	31.5	25.2	37.8	





#37

Ethyl Acetate

Concen: 16.916 ug/l

RT: 4.32 min Scan# 384

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

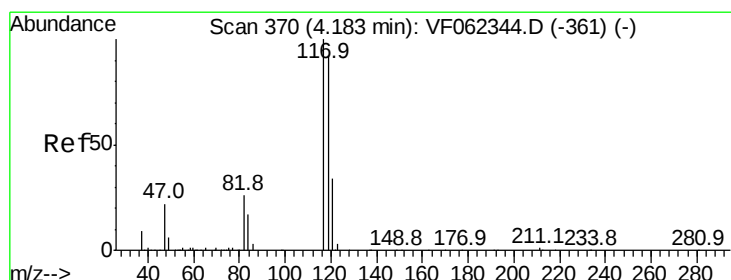
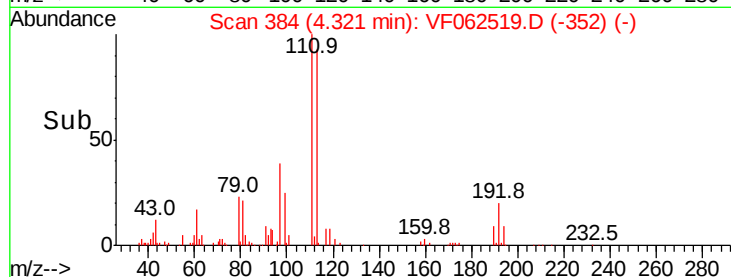
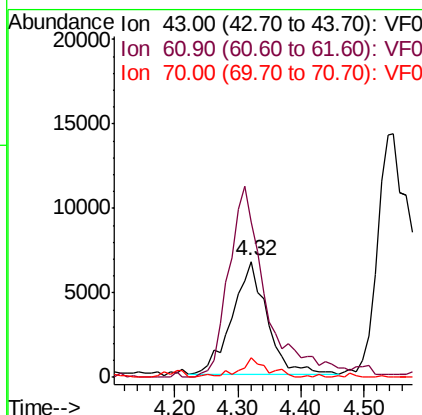
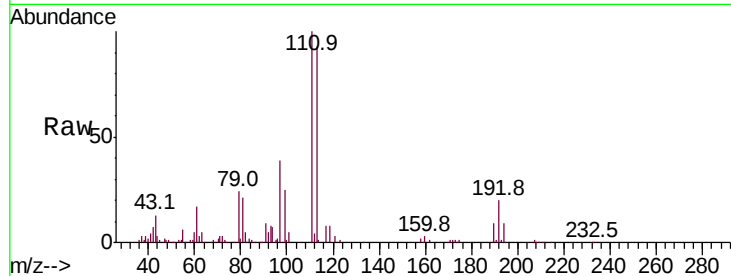
ClientSampleId :

VF0512SBS02

Tot Ion:	43	Resp:	25425
Ion Ratio	Lower	Upper	
43	100		
61	184.2	0.0	0.0#
70	13.9	8.2	12.2#

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 25.506 ug/l m

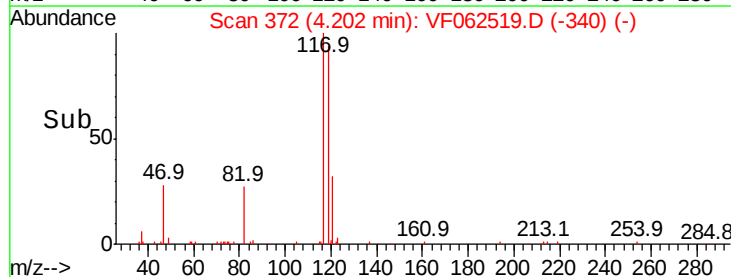
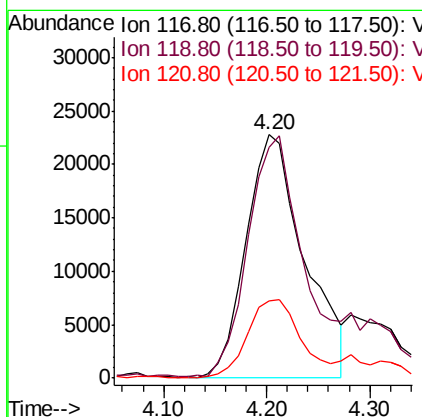
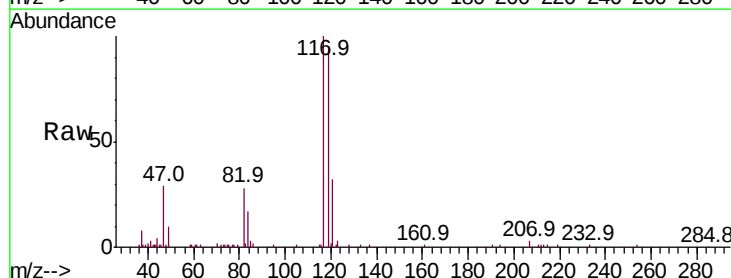
RT: 4.20 min Scan# 372

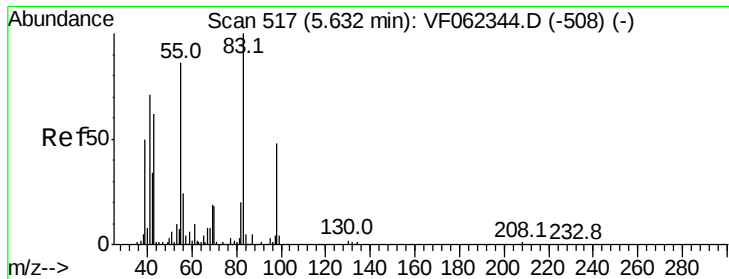
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	117	Resp:	89185
Ion Ratio	Lower	Upper	
117	100		
119	94.9	73.4	110.2
121	31.7	27.4	41.0





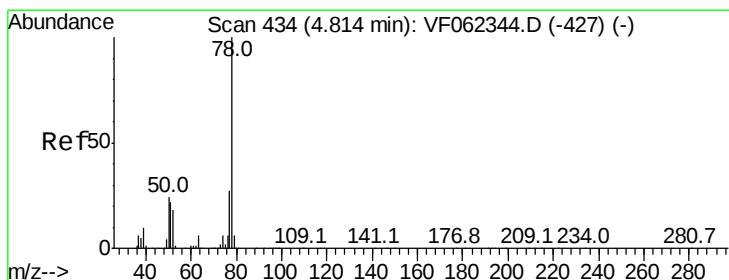
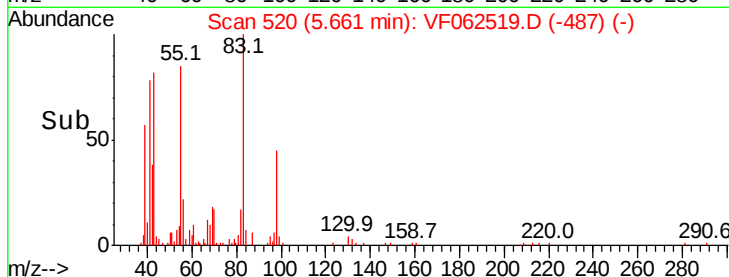
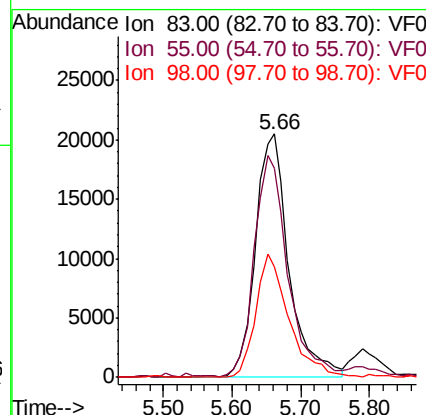
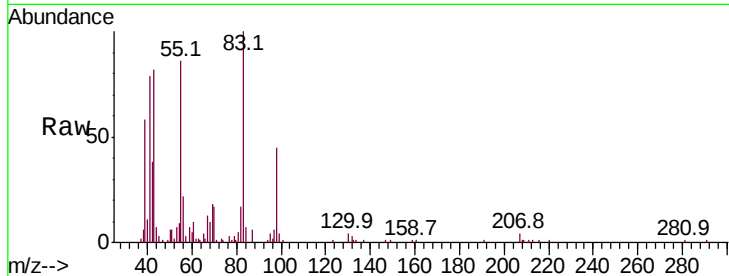
#39
Methvlcvclohexane
Concen: 21.729 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.2	69.0	103.6
98	45.2	38.6	58.0

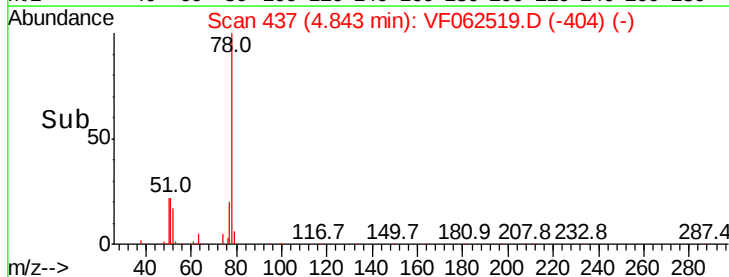
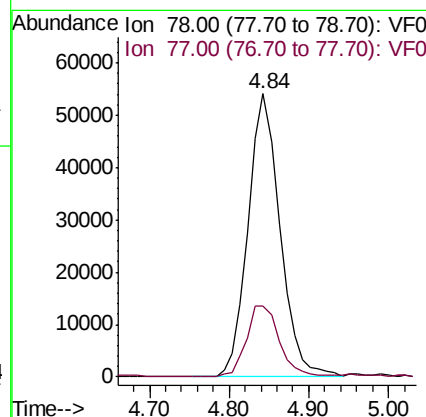
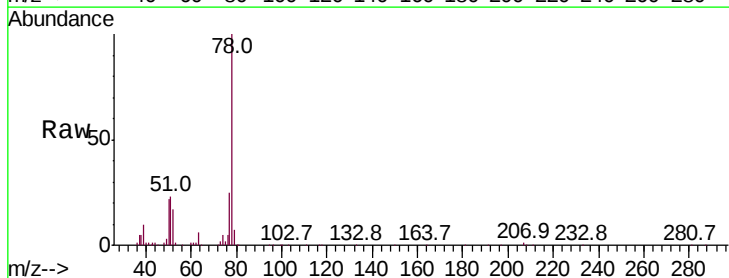
Manual Integrations
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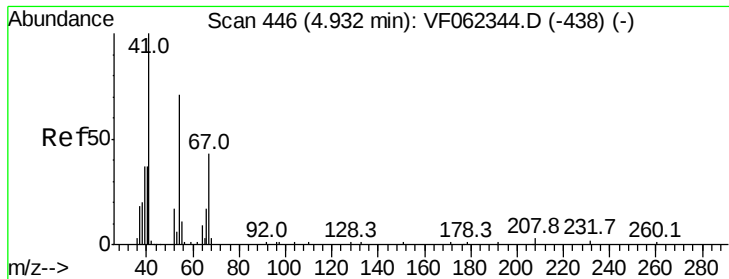
MMDadoda
5/13/2019 12:25:41 PM



#40
Benzene
Concen: 21.317 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	21.6	32.4





#41

Methacrylonitrile

Concen: 19.679 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

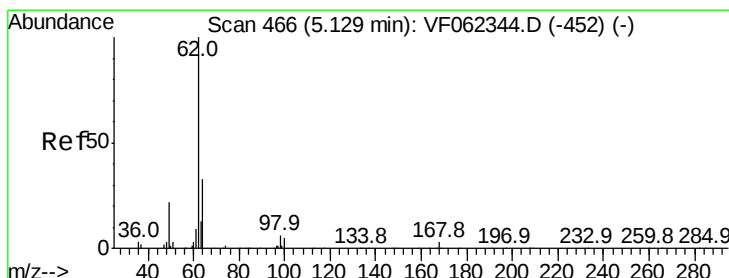
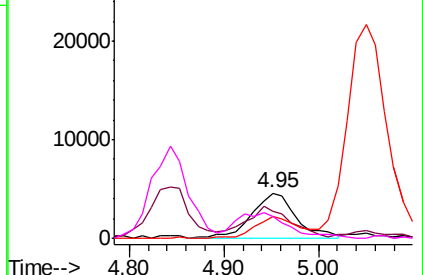
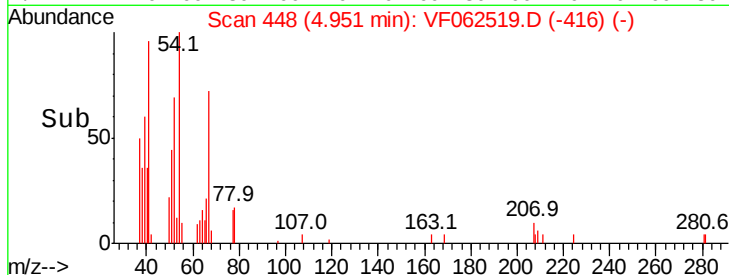
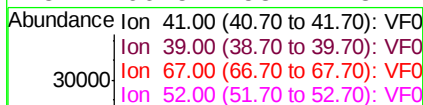
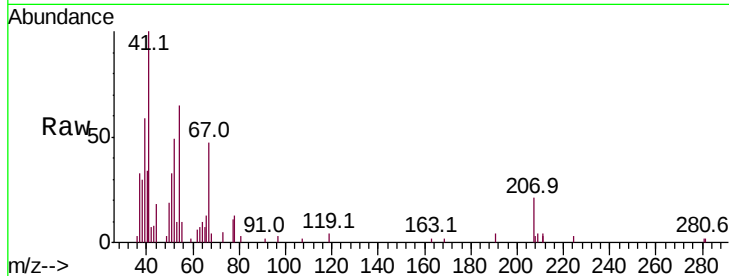
ClientSampleId :

VF0512SBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.6	54.3	81.5
67	44.6	37.8	56.8
52	66.5	58.2	87.4

Manual Integrations
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5/13/2019 12:25:41 PM



#42

1,2-Dichloroethane

Concen: 22.607 ug/l

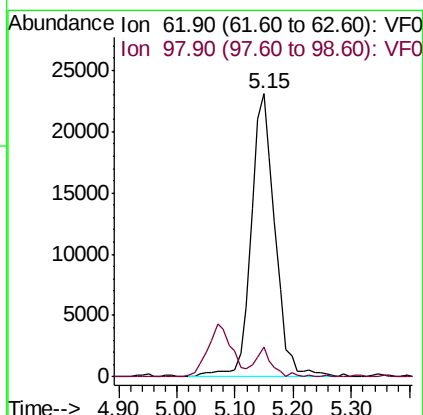
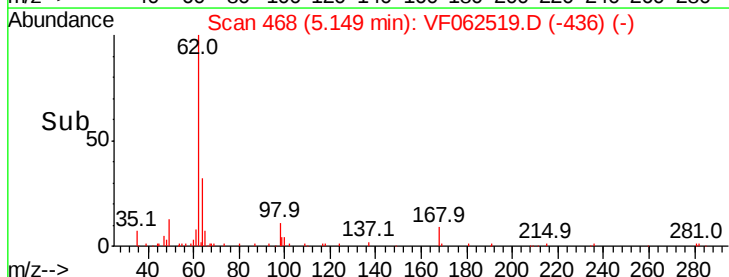
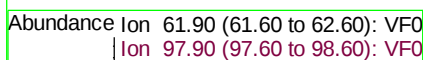
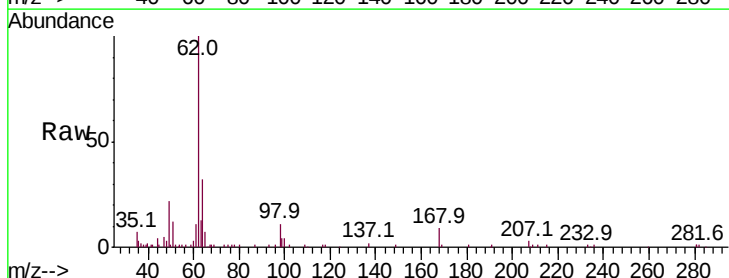
RT: 5.15 min Scan# 468

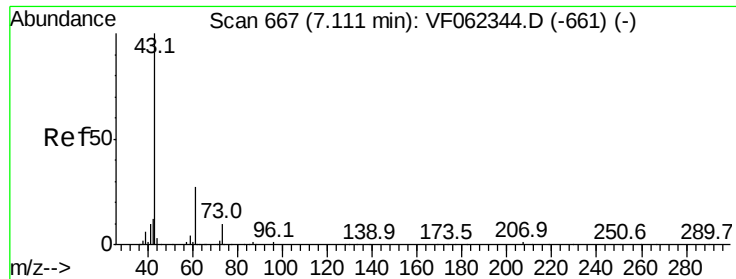
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	12.4





#43

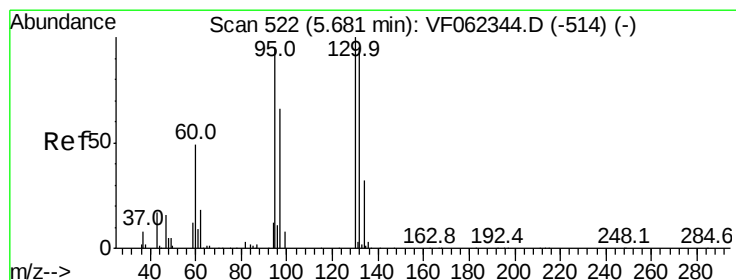
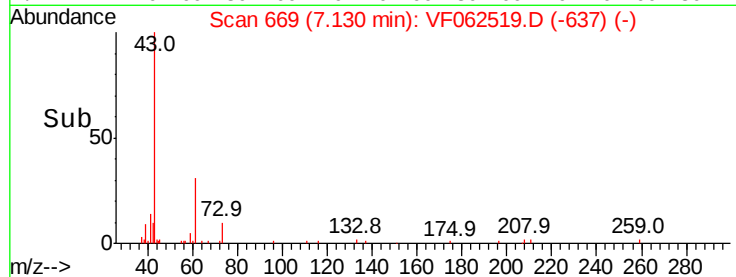
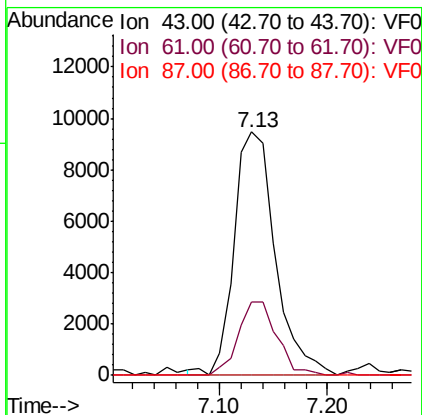
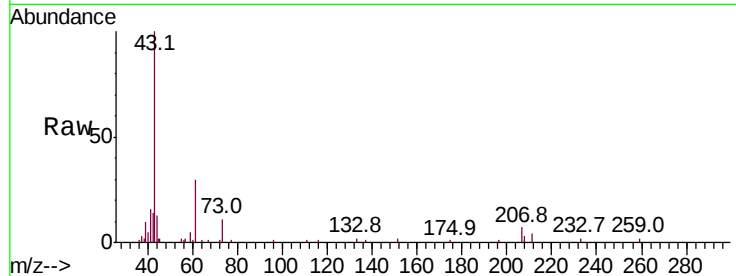
Isopropyl Acetate
 Concen: 17.252 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	22.8	34.2
87	0.0	0.6	1.0

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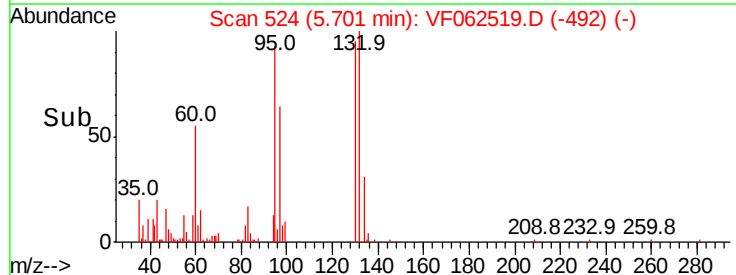
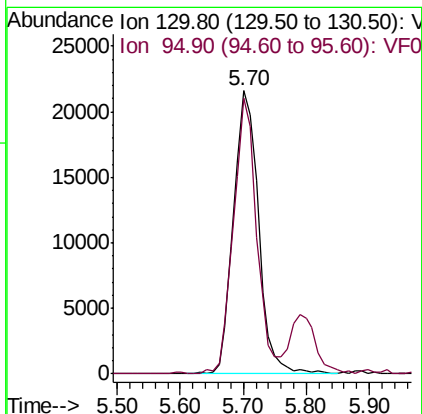
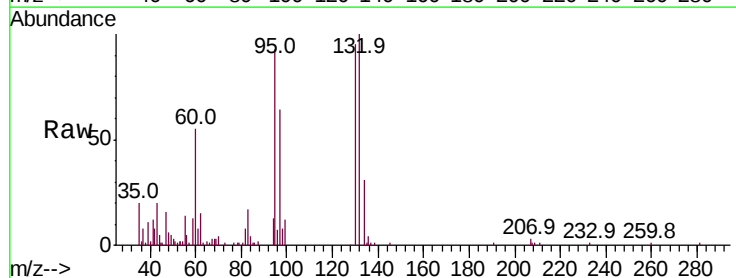
MMDadoda
 5/13/2019 12:25:41 PM

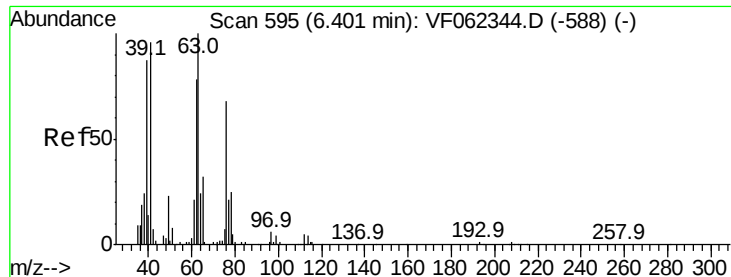


#44

Trichloroethene
 Concen: 22.801 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	189.0





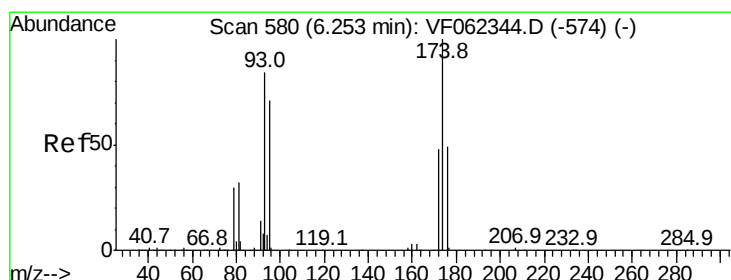
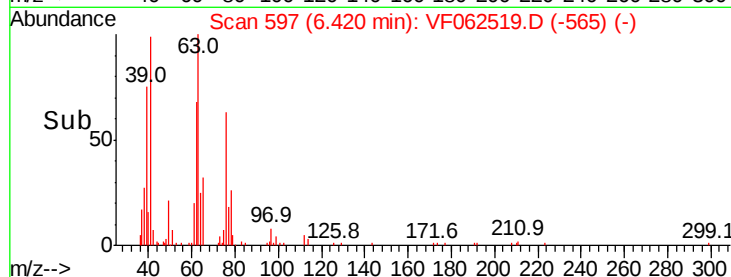
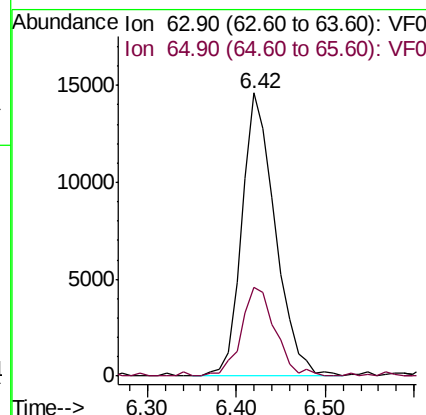
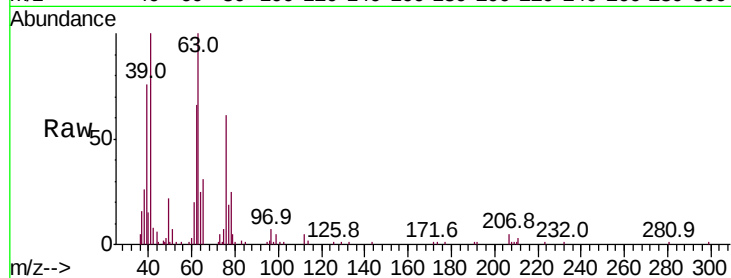
#45
1,2-Dichloropropane
Concen: 23.769 ug/l
RT: 6.42 min Scan# 597
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS02

Tot Ion: 63 Resp: 37940
Ion Ratio Lower Upper
63 100
65 31.5 25.6 38.4

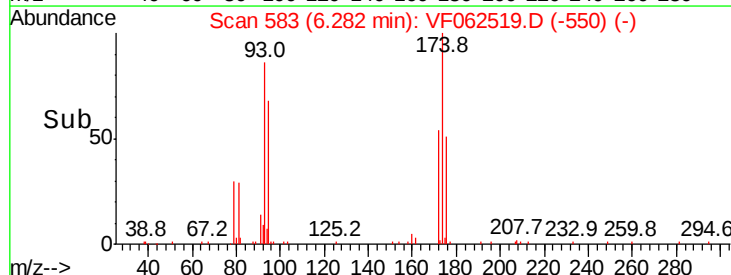
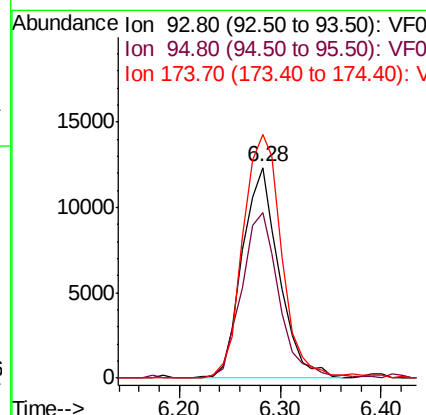
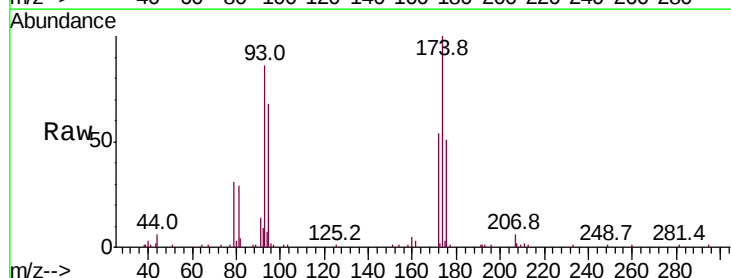
Manual Integrations
APPROVED

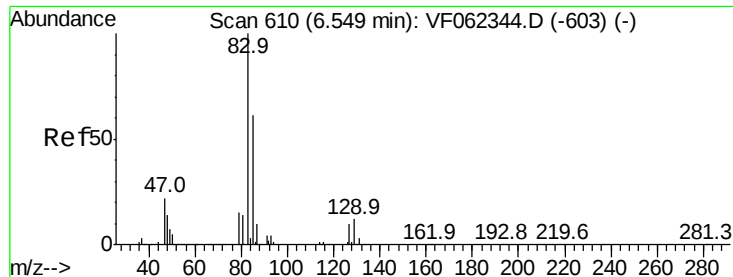
MMDadoda
5/13/2019 12:25:41 PM



#46
Dibromomethane
Concen: 23.579 ug/l
RT: 6.28 min Scan# 583
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion: 93 Resp: 31206
Ion Ratio Lower Upper
93 100
95 81.0 68.4 102.6
174 121.7 99.6 149.4





#47

Bromodichloromethane

Concen: 23.454 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

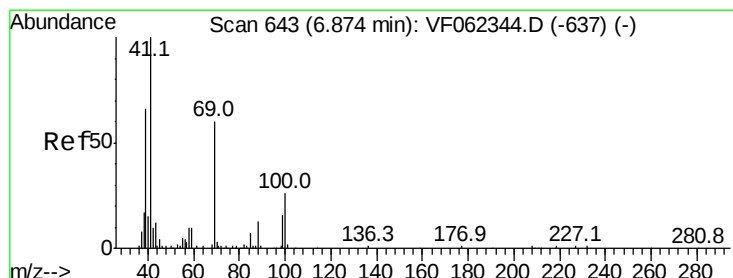
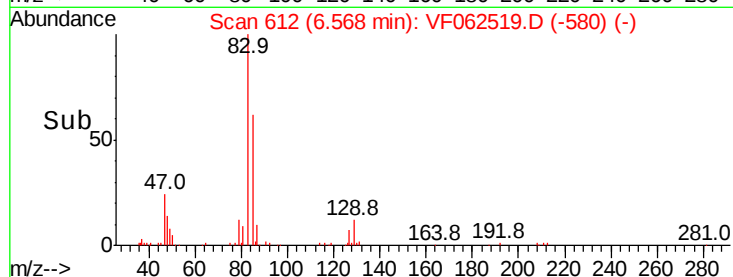
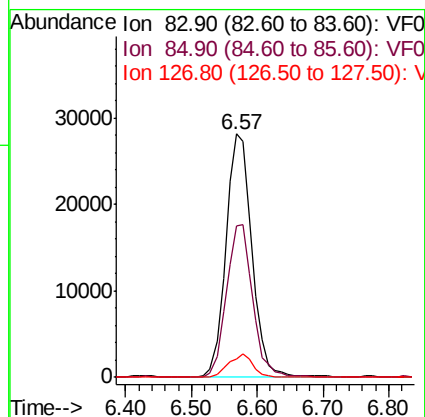
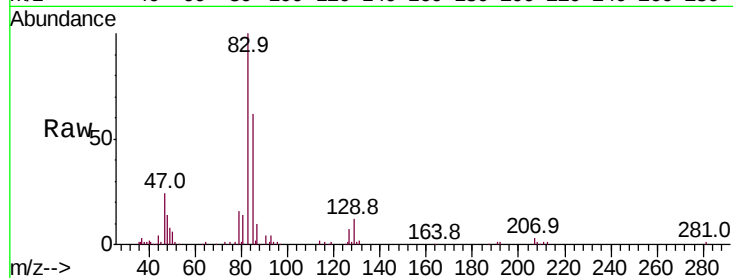
ClientSampleId :

VF0512SBSD02

Tot Ion:	83	Resp:	77607
Ion Ratio	Lower	Upper	
83	100		
85	62.1	49.1	73.7
127	7.4	7.8	11.8#

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.848 ug/l

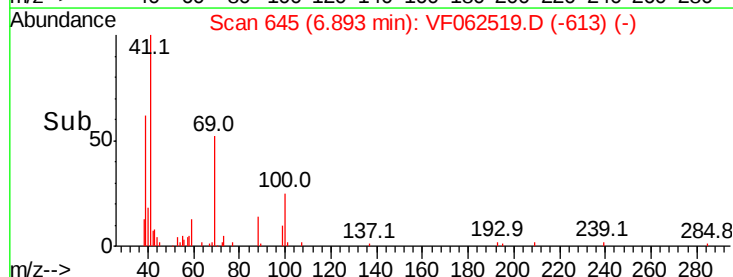
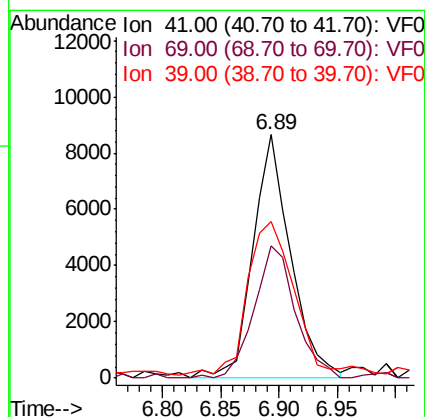
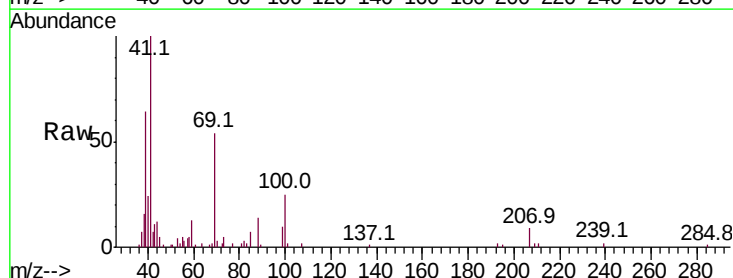
RT: 6.89 min Scan# 645

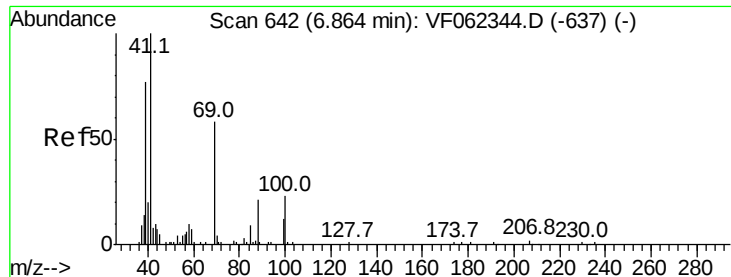
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	41	Resp:	19389
Ion Ratio	Lower	Upper	
41	100		
69	59.7	48.6	72.8
39	79.0	56.1	84.1





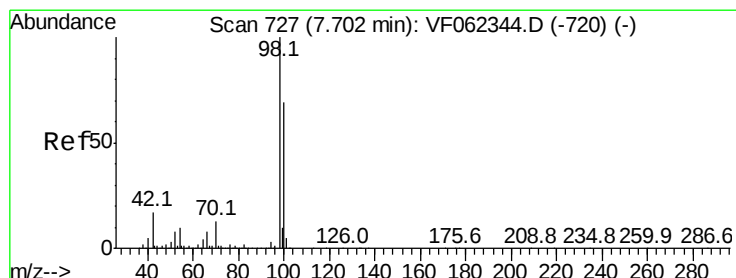
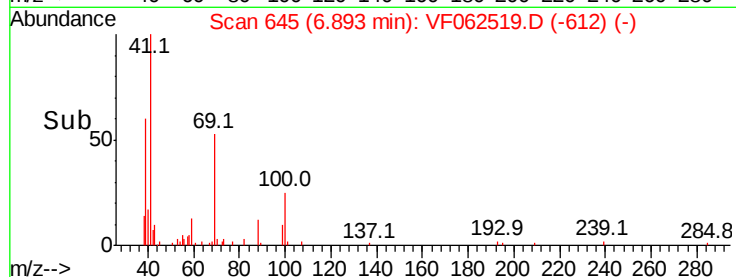
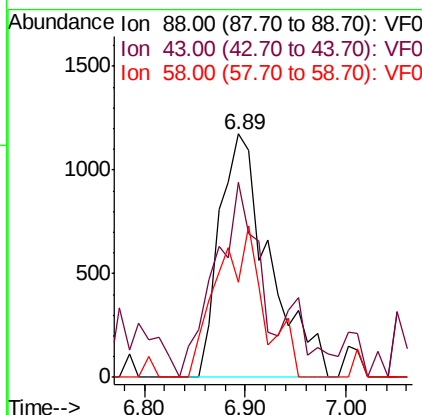
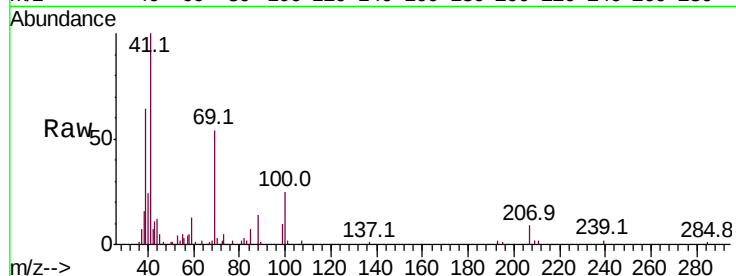
#49
1,4-Dioxane
Concen: 375.783 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	69.5	55.6	83.4
58	58.0	52.8	79.2

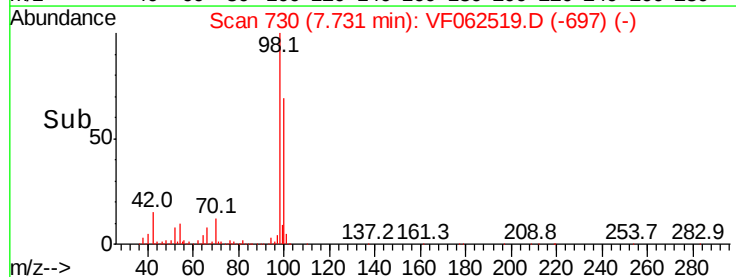
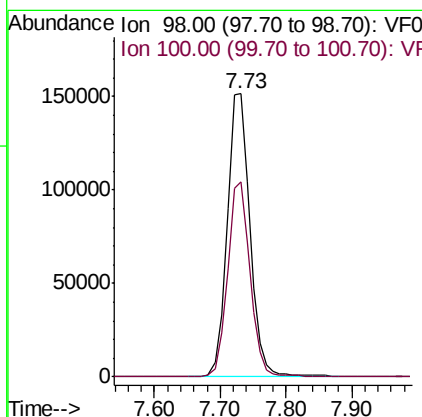
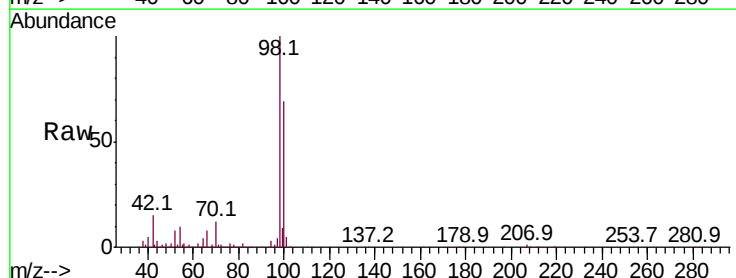
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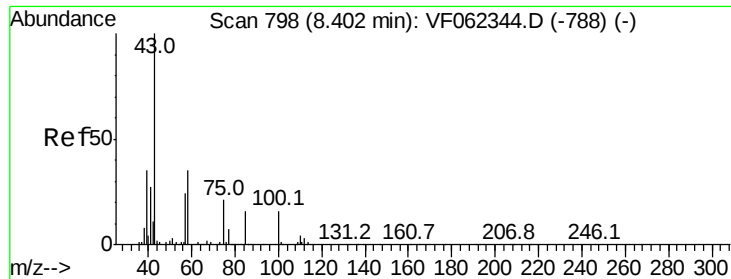
MMDadoda
5/13/2019 12:25:41 PM



#50
Toluene-d8
Concen: 51.308 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 100.970 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 43 Resp: 111370

Ion Ratio Lower Upper

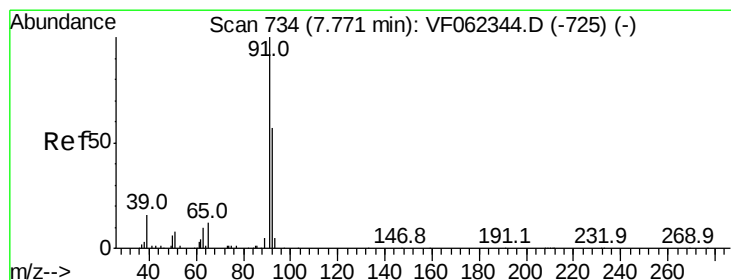
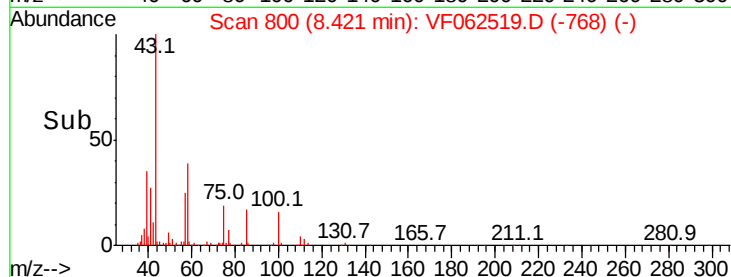
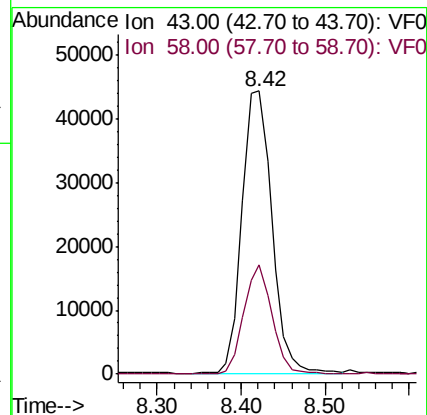
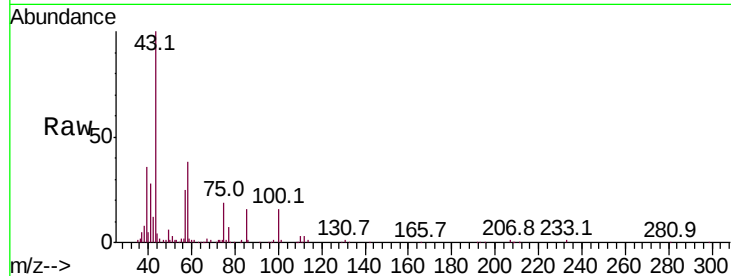
43 100

58 36.3 27.8 41.6

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5/13/2019 12:25:41 PM



#52

Toluene

Concen: 23.054 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062519.D

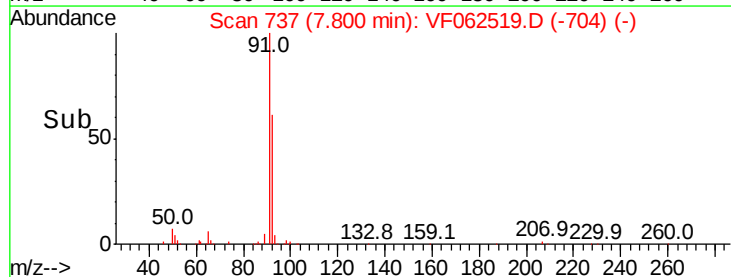
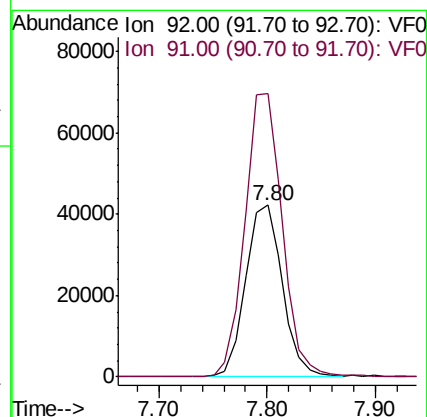
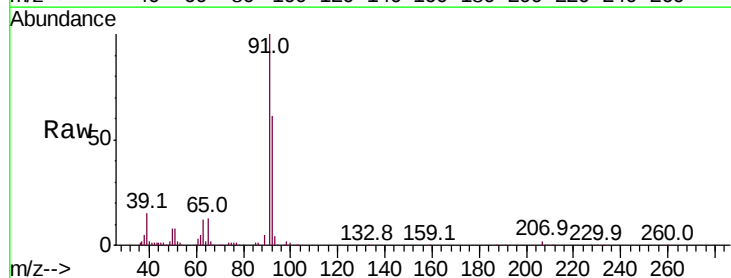
Acq: 13 May 2019 00:08

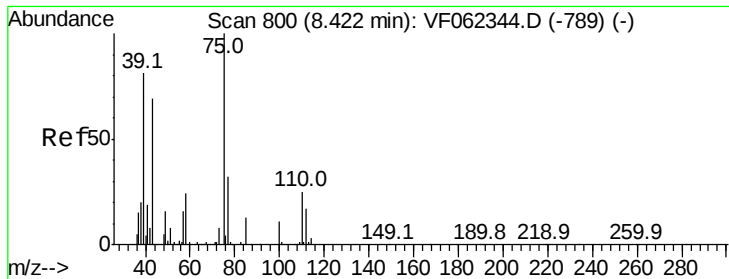
Tgt Ion: 92 Resp: 100225

Ion Ratio Lower Upper

92 100

91 168.6 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 20.481 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 75 Resp: 51255

Ion Ratio Lower Upper

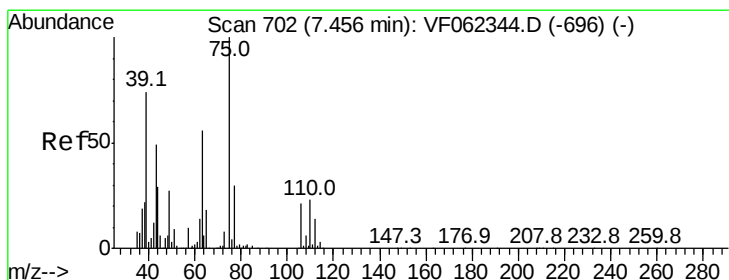
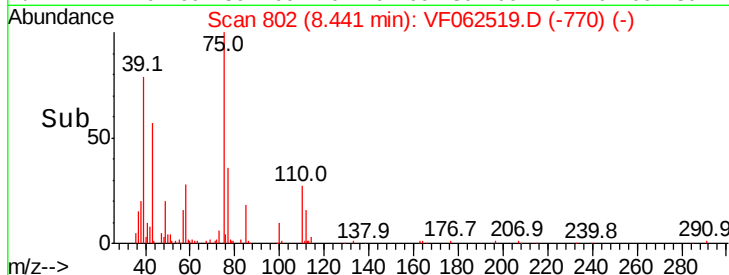
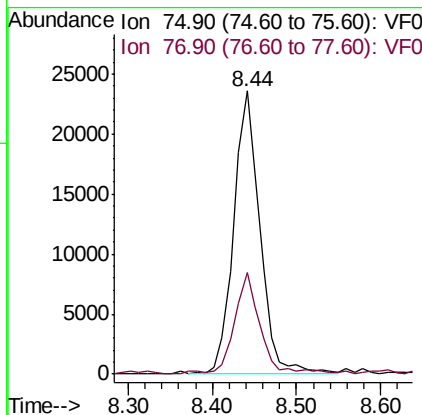
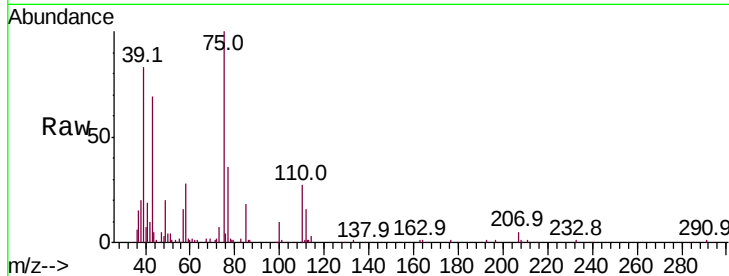
75 100

77 34.9 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.756 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

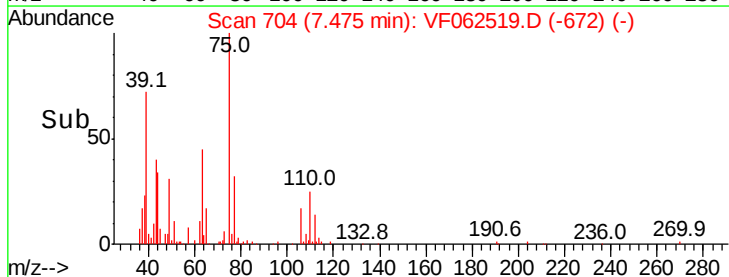
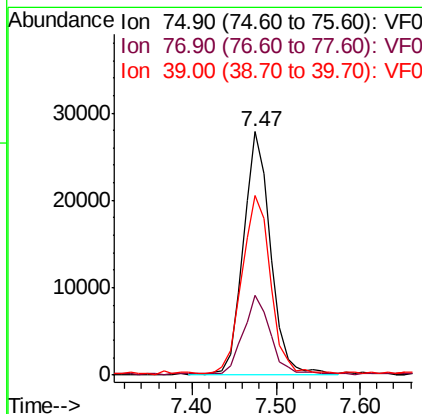
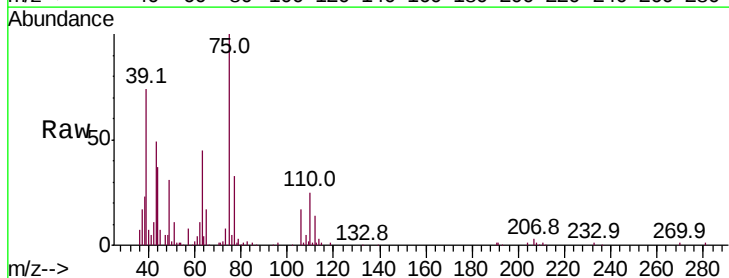
Tgt Ion: 75 Resp: 63366

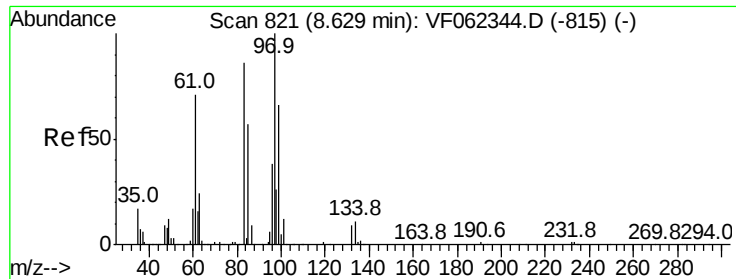
Ion Ratio Lower Upper

75 100

77 32.3 24.0 36.0

39 73.0 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 23.551 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

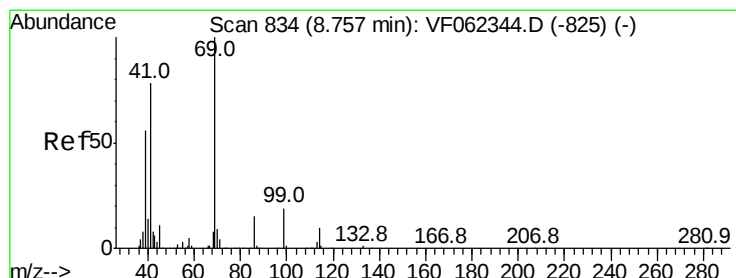
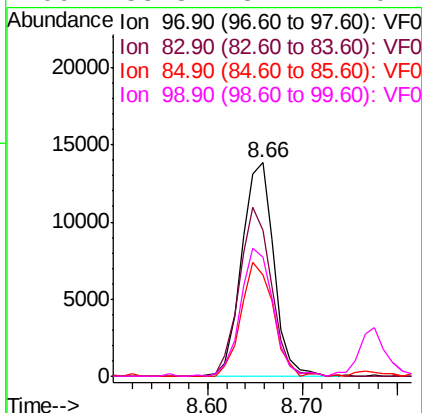
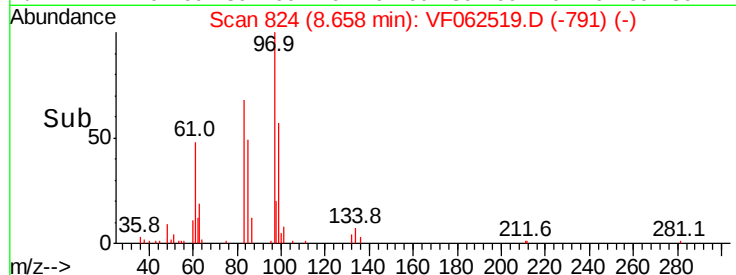
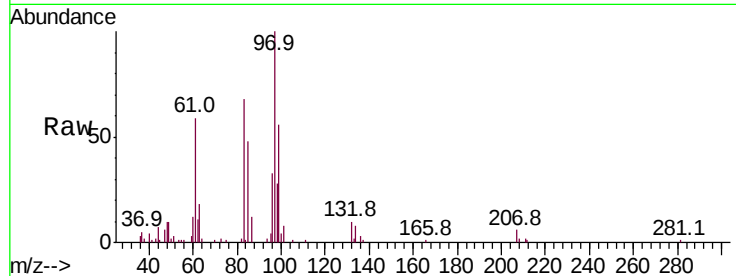
ClientSampleId :

VF0512SBS02

Tot Ion:	97	Resp:	32503
Ion	Ratio	Lower	Upper
97	100		
83	68.3	68.5	102.7#
85	47.5	45.4	68.2
99	55.8	52.7	79.1

Manual Integrations
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#56

Ethyl methacrylate

Concen: 19.041 ug/l

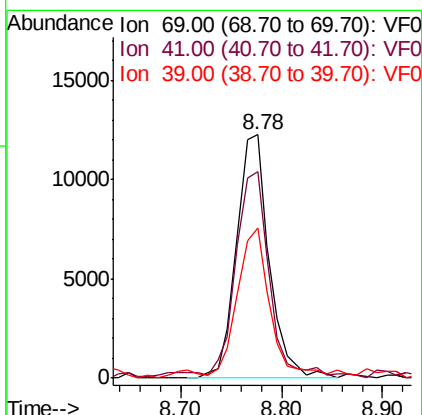
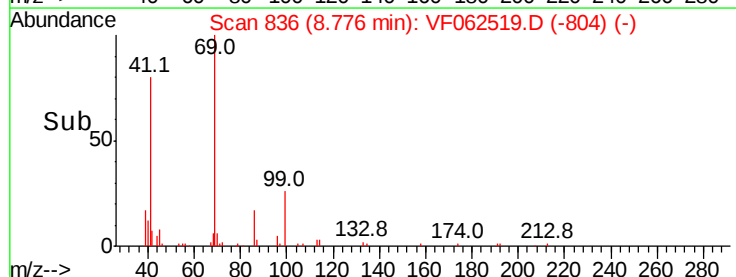
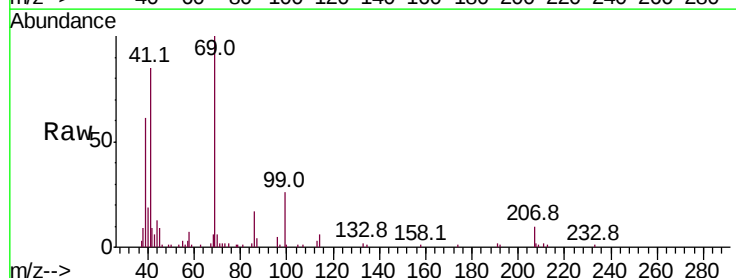
RT: 8.78 min Scan# 836

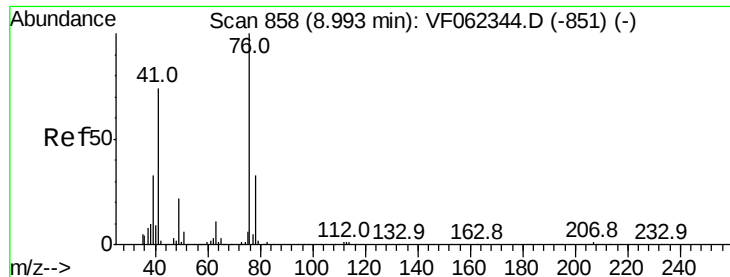
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	69	Resp:	27740
Ion	Ratio	Lower	Upper
69	100		
41	88.3	66.3	99.5
39	58.6	50.1	75.1





#57

1,3-Dichloropropane

Concen: 22.350 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 76 Resp: 46592

Ion Ratio Lower Upper

76 100

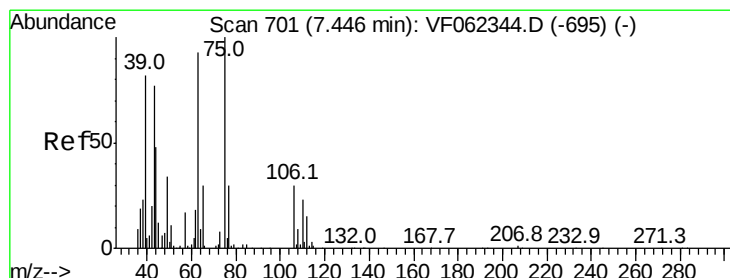
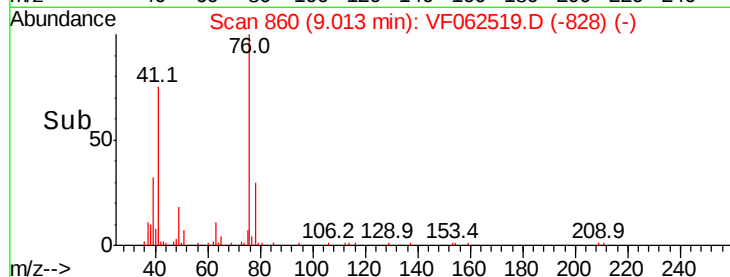
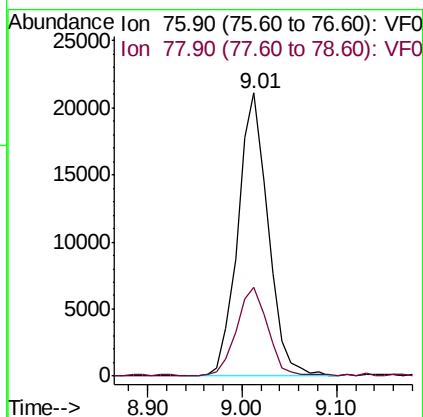
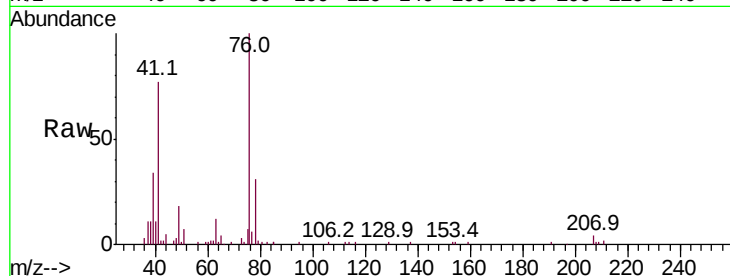
78 32.8 26.4 39.6

Manual Integrations

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5/13/2019 12:25:41 PM



#58

2-Chloroethyl Vinyl ether

Concen: 84.799 ug/l

RT: 7.47 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062519.D

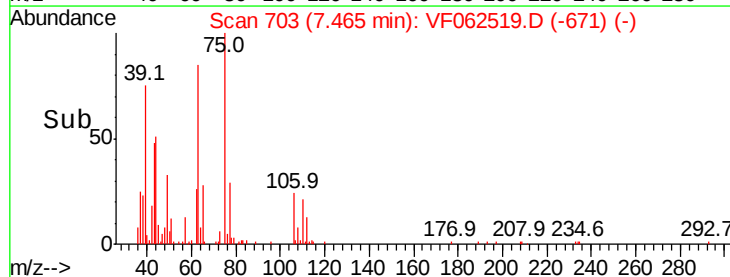
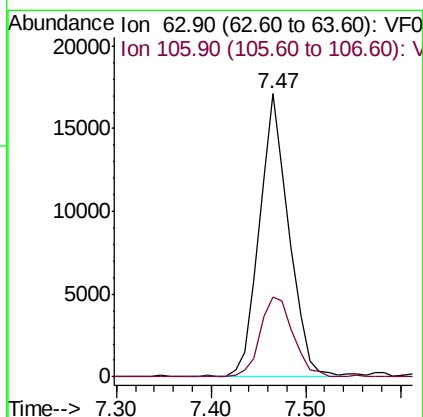
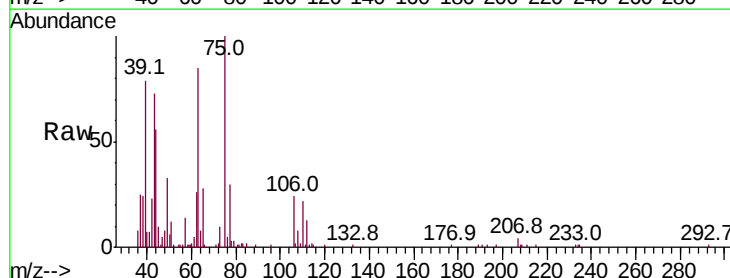
Acq: 13 May 2019 00:08

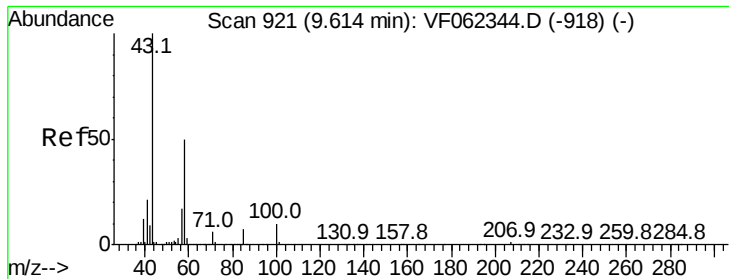
Tgt Ion: 63 Resp: 37141

Ion Ratio Lower Upper

63 100

106 31.6 25.8 38.8





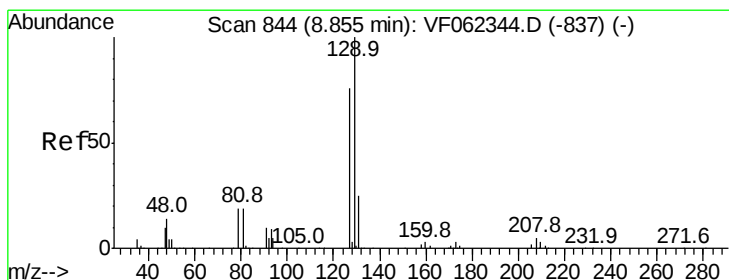
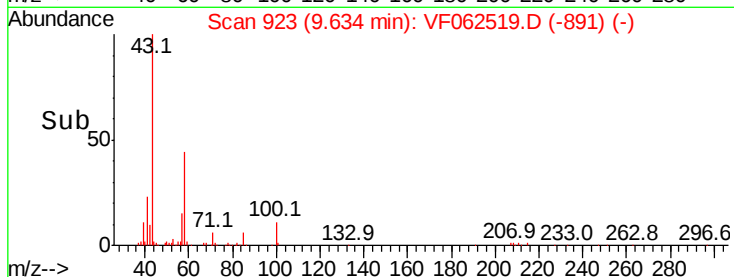
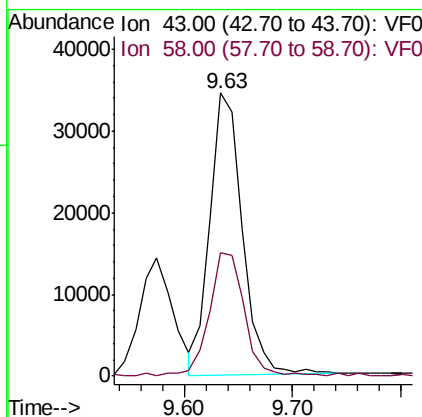
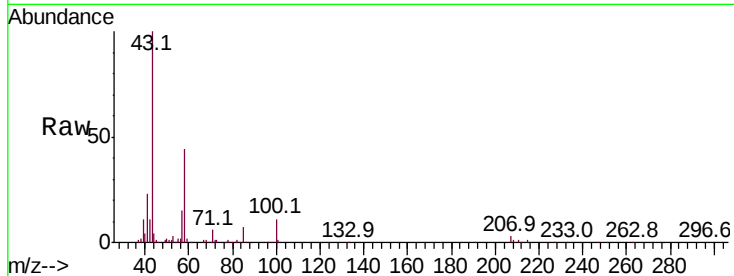
#59
2-Hexanone
Concen: 94.313 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion: 43 Resp: 71945
Ion Ratio Lower Upper
43 100
58 47.6 24.3 73.0

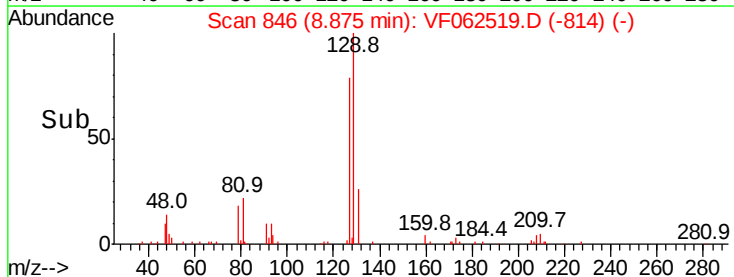
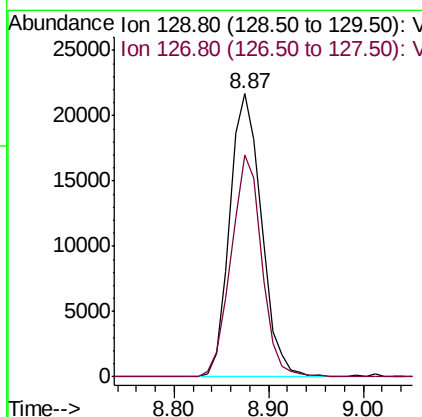
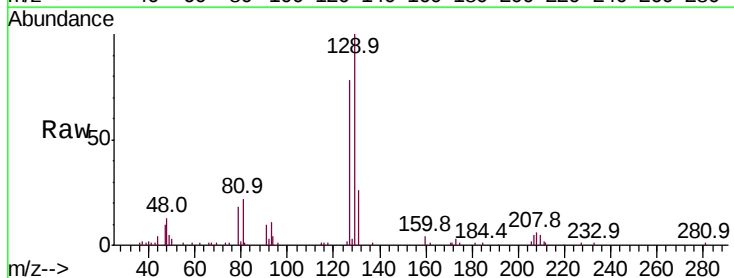
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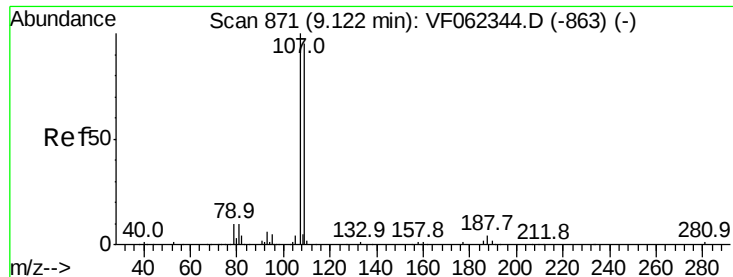
MMDadoda
5/13/2019 12:25:41 PM



#60
Dibromochloromethane
Concen: 22.242 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion: 129 Resp: 50204
Ion Ratio Lower Upper
129 100
127 75.9 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.272 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.03 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion:107 Resp: 34505

Ion Ratio Lower Upper

107 100

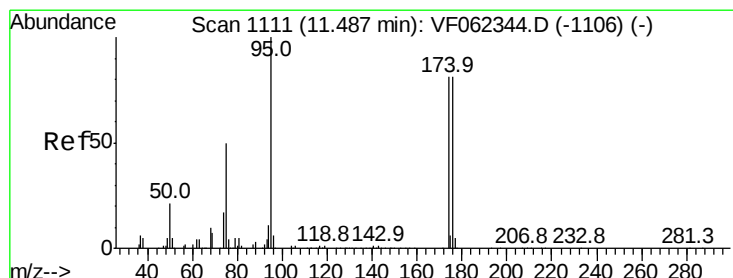
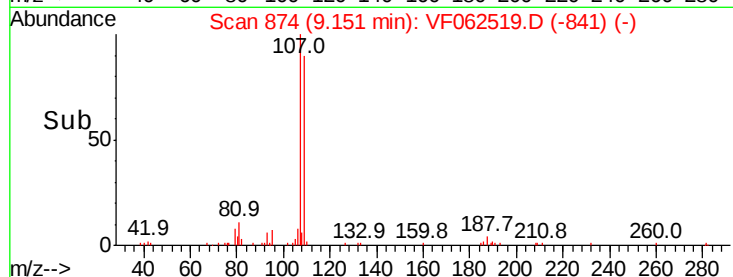
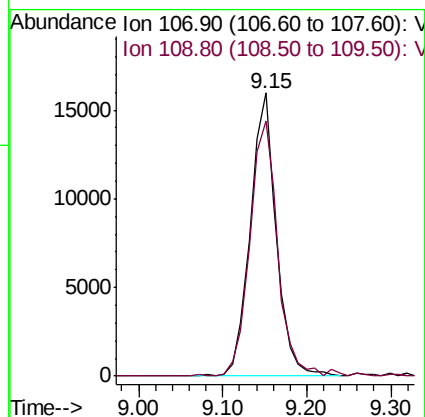
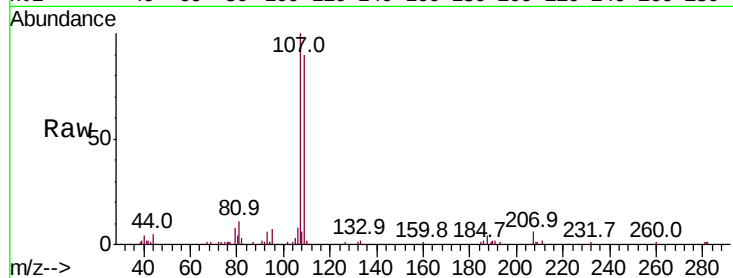
109 96.2 75.2 112.8

Manual Integrations

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5/13/2019 12:25:41 PM



#62

4-Bromofluorobenzene

Concen: 52.338 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

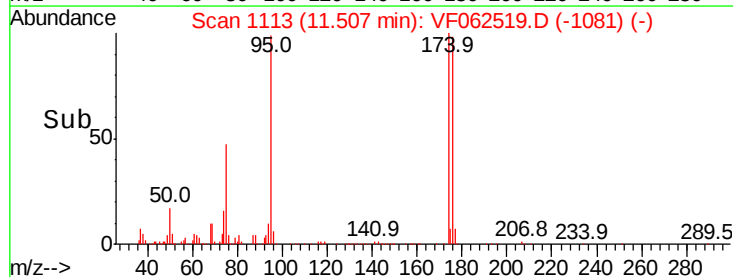
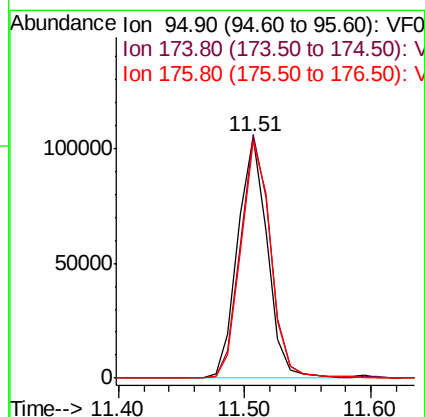
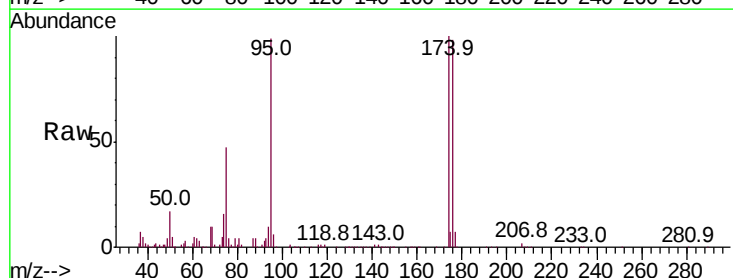
Tgt Ion: 95 Resp: 169646

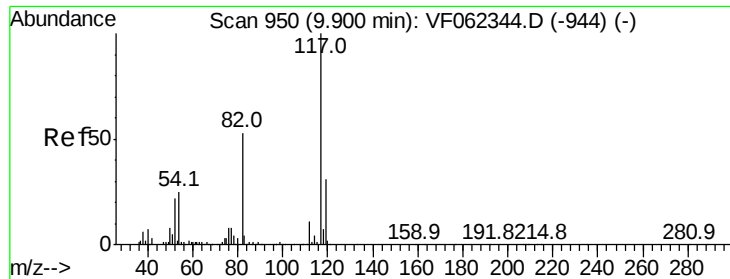
Ion Ratio Lower Upper

95 100

174 101.8 0.0 191.8

176 100.2 0.0 193.2





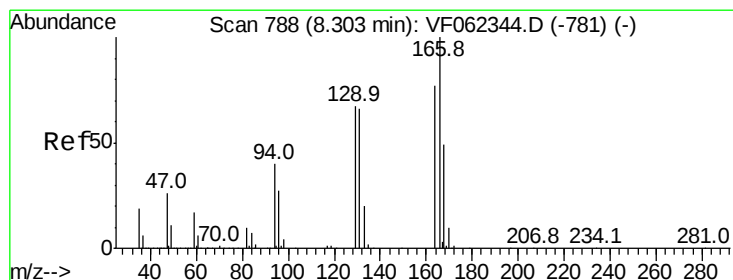
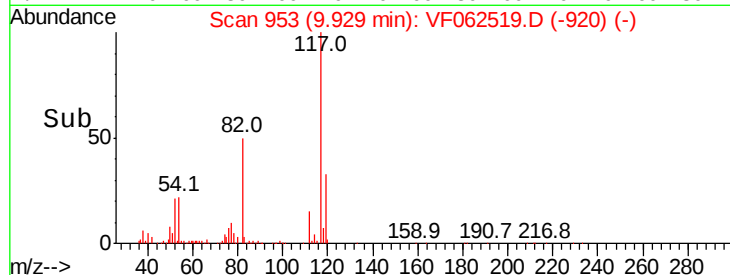
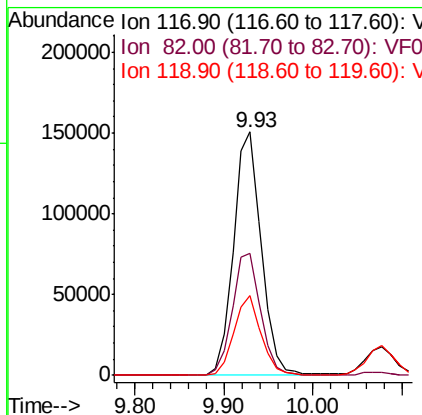
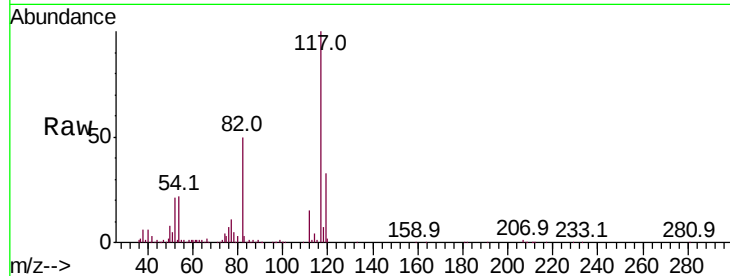
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	328427		
82	49.9		42.2	63.2
119	32.6		25.0	37.4

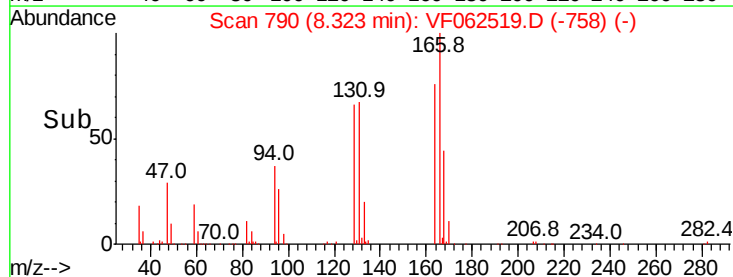
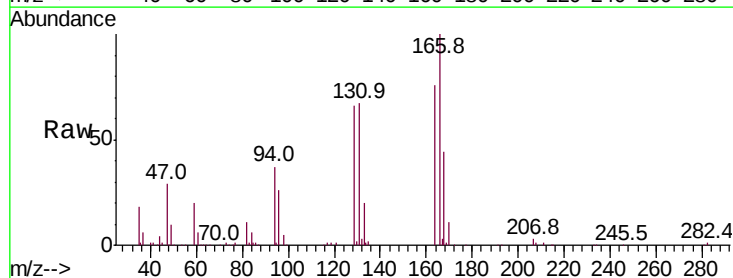
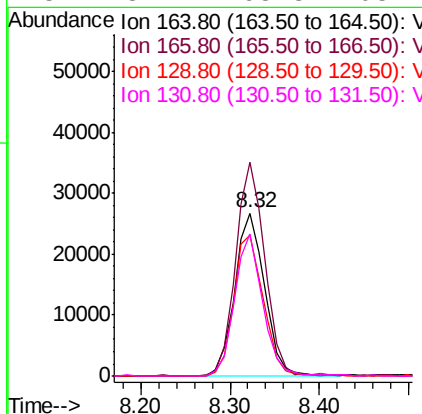
Manual Integrations
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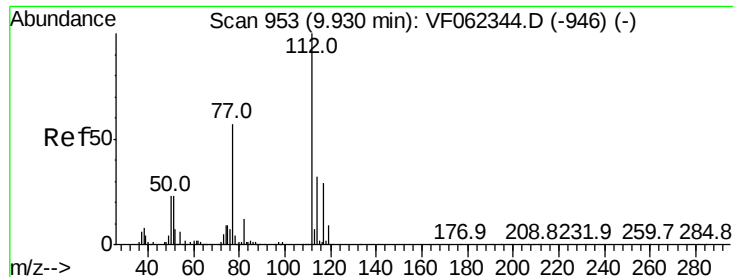
MMDadoda
5/13/2019 12:25:41 PM



#64
Tetrachloroethene
Concen: 23.383 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62345		
166	131.0		104.2	156.4
129	86.1		69.6	104.4
131	87.2		68.8	103.2





#65

Chlorobenzene

Concen: 23.582 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS02

Tot Ion:112 Resp: 128148

Ion Ratio Lower Upper

112 100

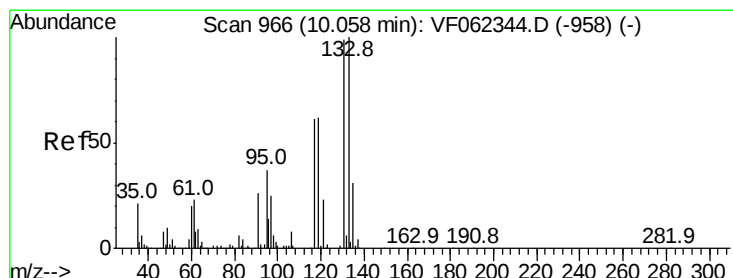
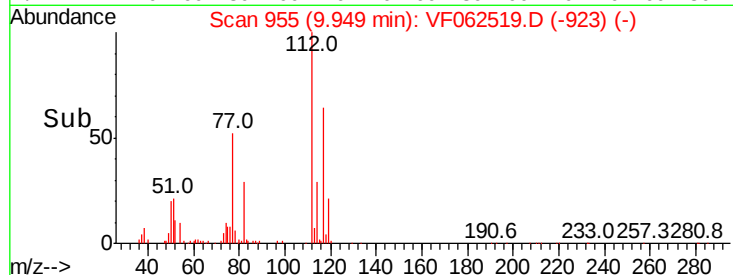
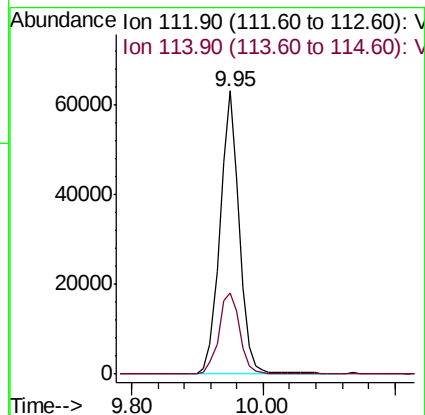
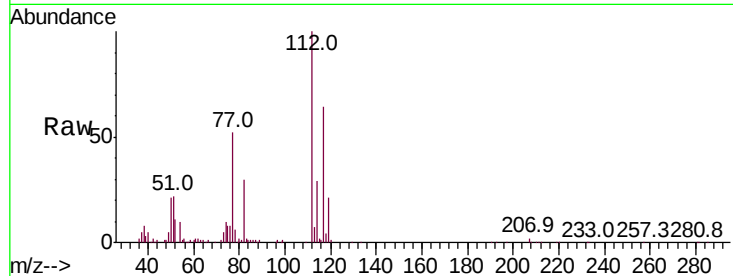
114 28.7 25.4 38.0

Manual Integrations

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5/13/2019 12:25:41 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.523 ug/l

RT: 10.08 min Scan# 968

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

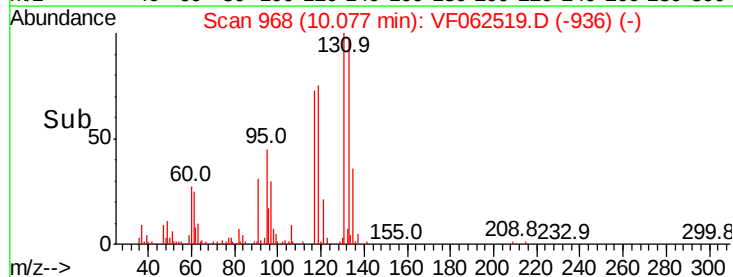
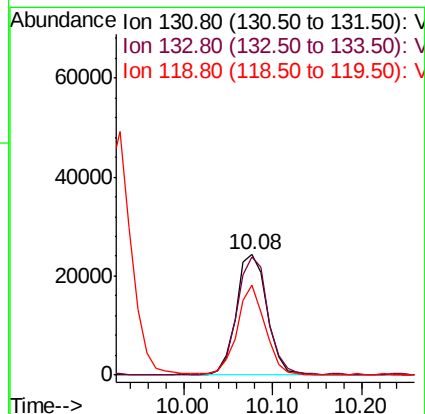
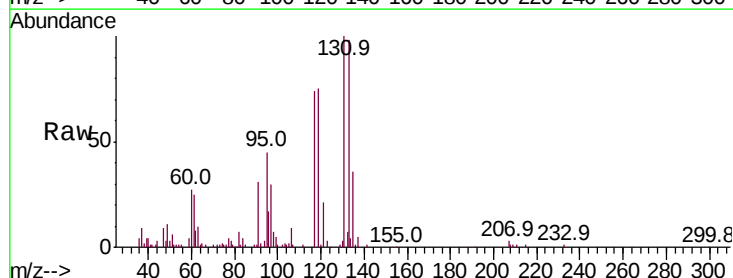
Tgt Ion:131 Resp: 59000

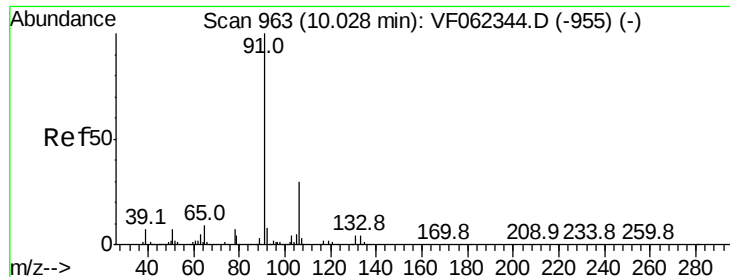
Ion Ratio Lower Upper

131 100

133 99.9 50.2 150.7

119 68.4 31.6 95.0





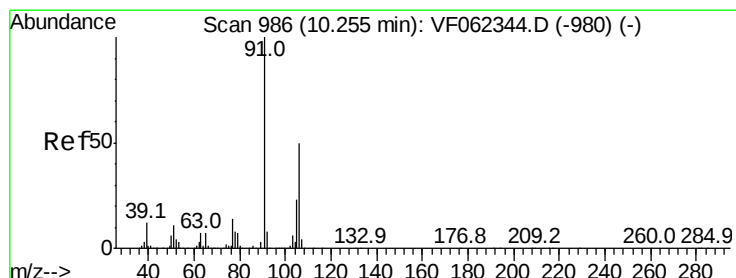
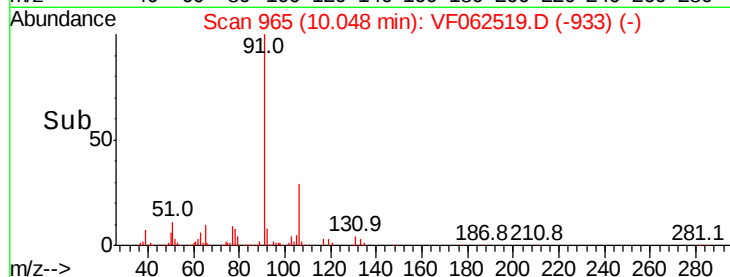
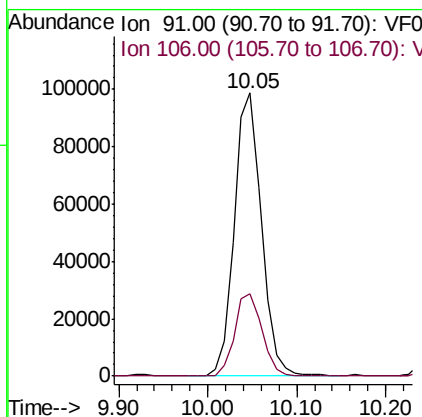
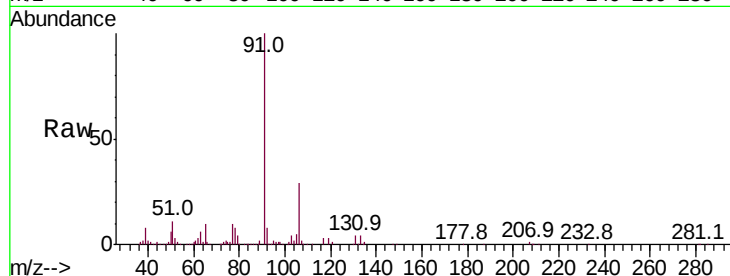
#67
Ethyl Benzene
Concen: 22.181 ug/l
RT: 10.05 min Scan# 965
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion: 91 Resp: 211062
Ion Ratio Lower Upper
91 100
106 29.3 24.1 36.1

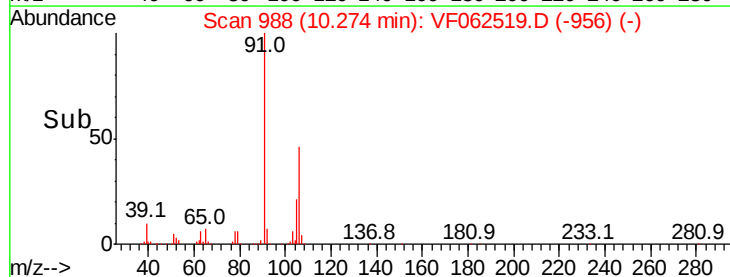
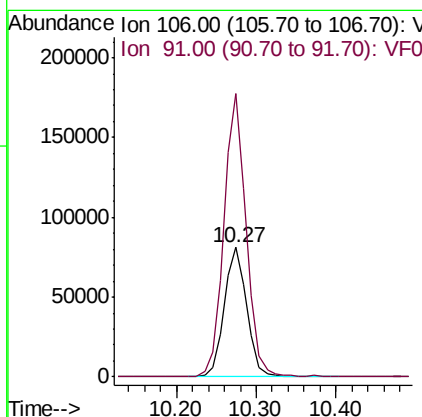
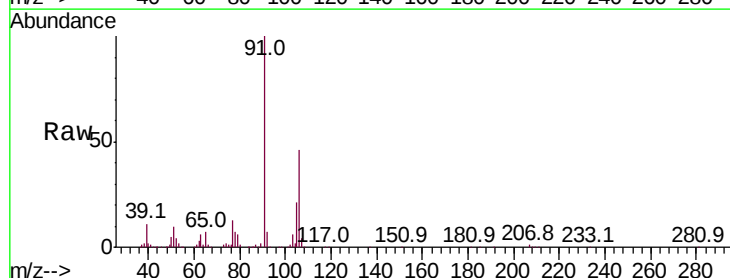
Manual Integrations
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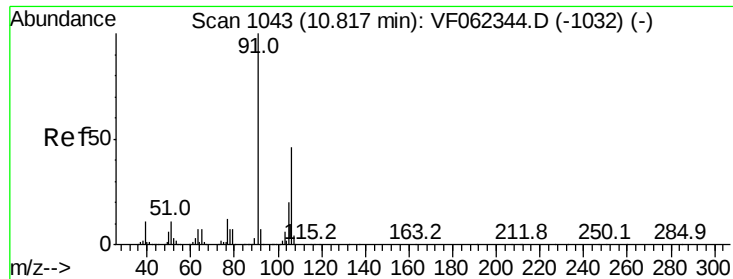
MMDadoda
5/13/2019 12:25:41 PM



#68
m/p-Xylenes
Concen: 46.323 ug/l
RT: 10.27 min Scan# 988
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion: 106 Resp: 162633
Ion Ratio Lower Upper
106 100
91 213.7 167.4 251.2





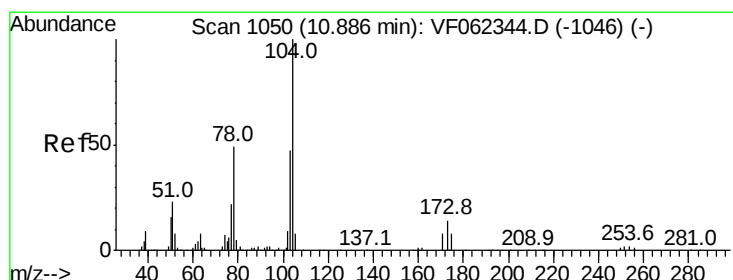
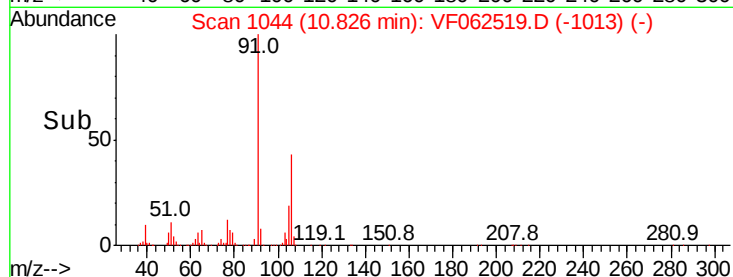
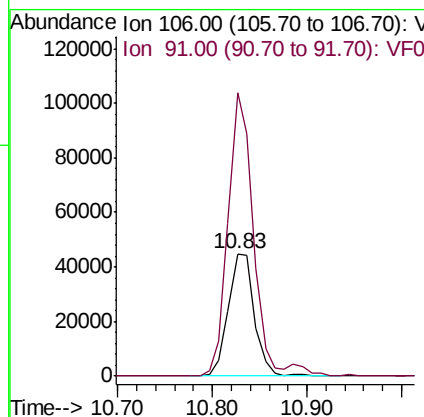
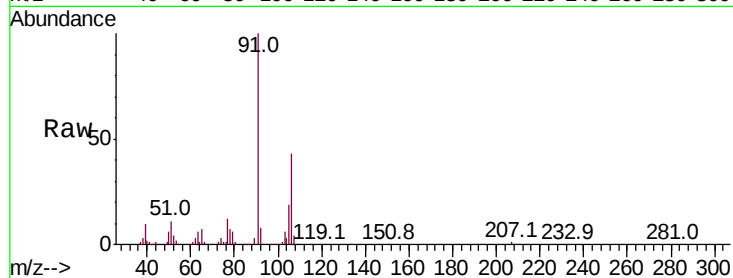
#69
o-Xylene
Concen: 22.649 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion:106 Resp: 85925
Ion Ratio Lower Upper
106 100
91 219.6 111.3 333.8

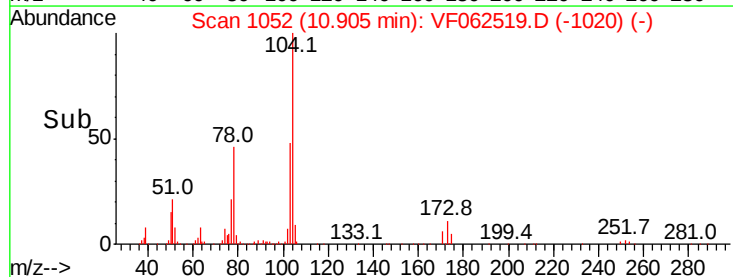
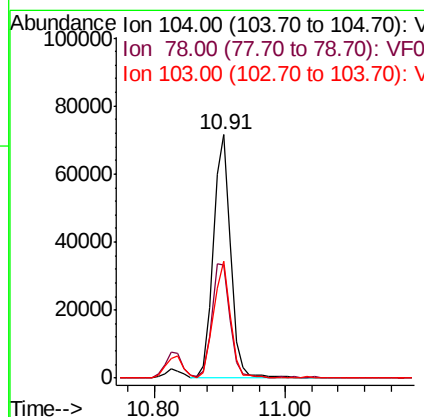
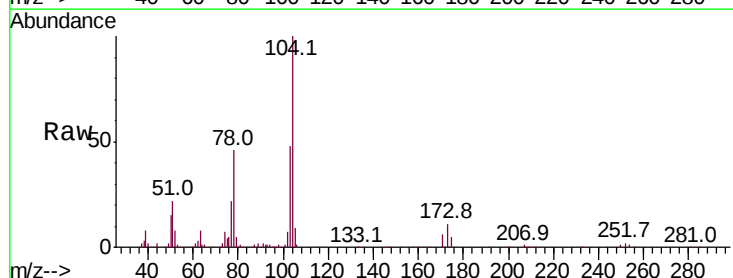
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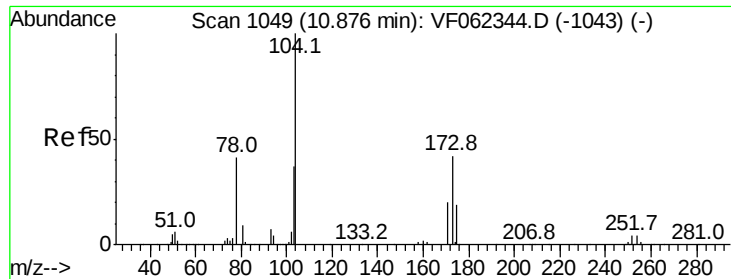
MMDadoda
5/13/2019 12:25:41 PM



#70
Styrene
Concen: 22.405 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion:104 Resp: 127387
Ion Ratio Lower Upper
104 100
78 48.8 39.5 59.3
103 46.5 38.4 57.6





#71

Bromoform

Concen: 19.681 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

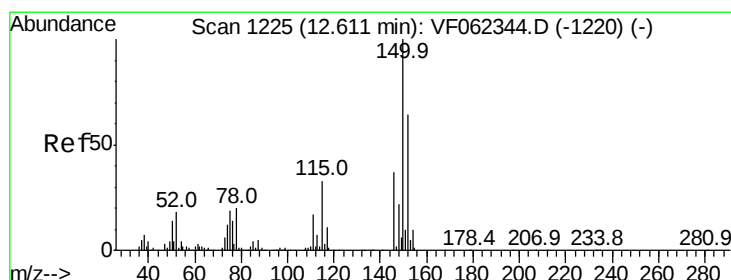
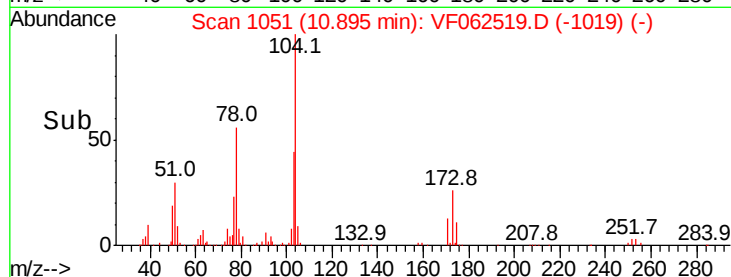
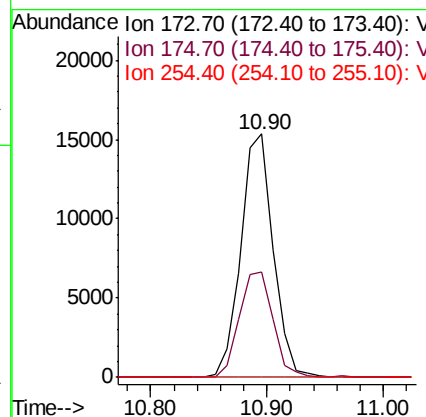
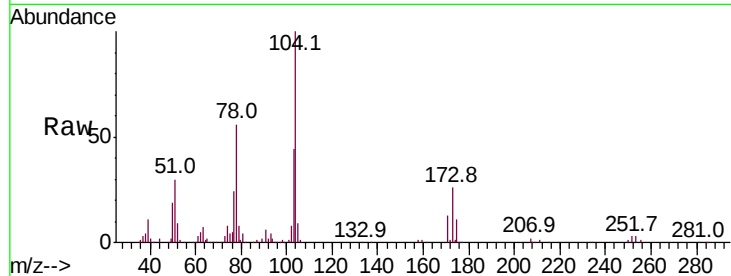
ClientSampleId :

VF0512SBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.1	23.8	71.2
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

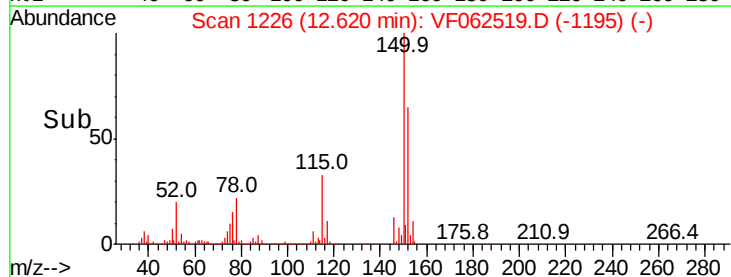
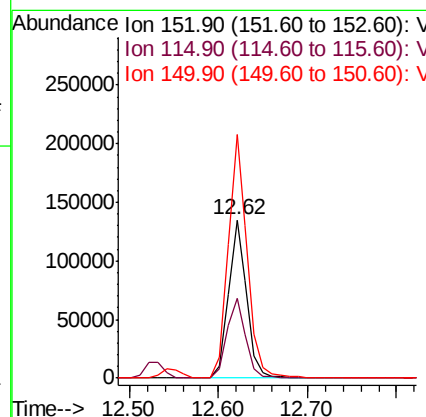
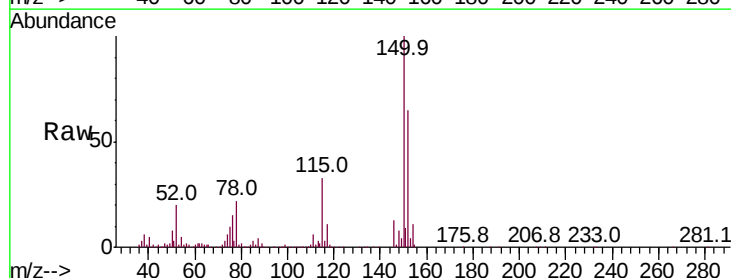
RT: 12.62 min Scan# 1226

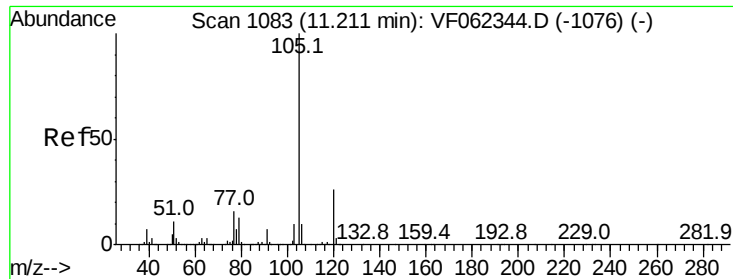
Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.8	26.4	79.2
150	159.7	0.0	335.0





#73

Isopropylbenzene

Concen: 23.164 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion:105 Resp: 267161

Ion Ratio Lower Upper

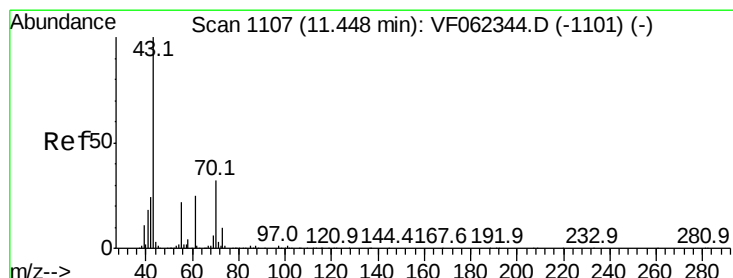
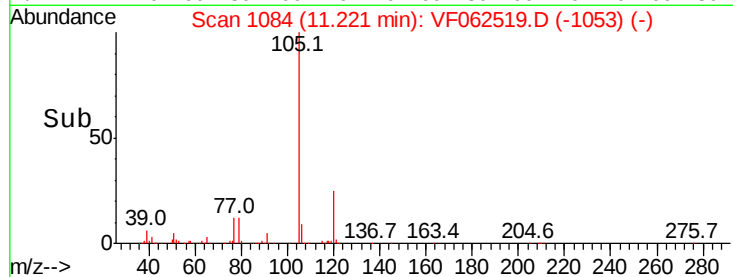
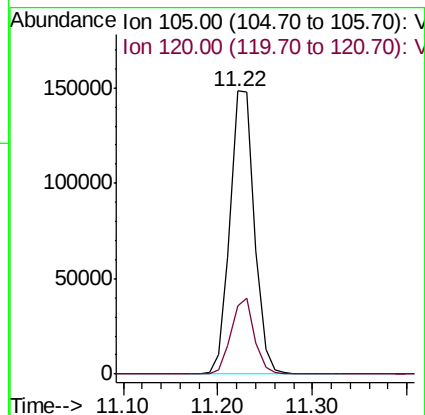
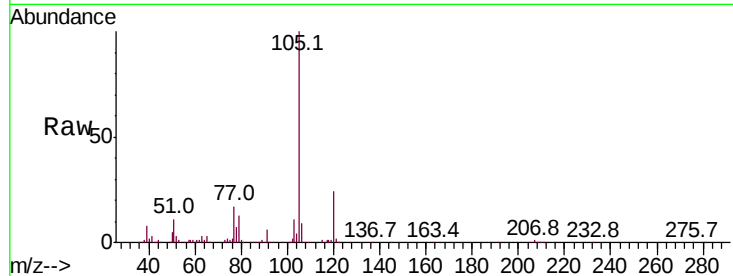
105 100

120 25.4 12.7 38.0

Manual Integrations
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5/13/2019 12:25:41 PM



#74

N-ethyl acetate

Concen: 21.713 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion: 43 Resp: 53764

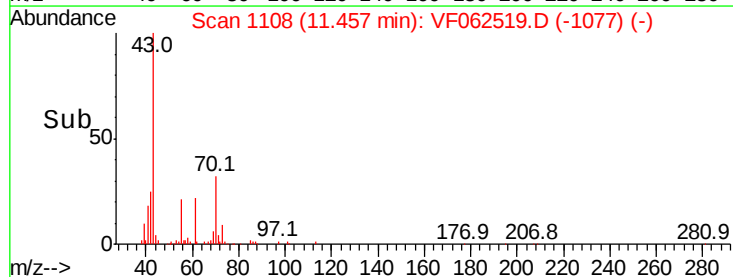
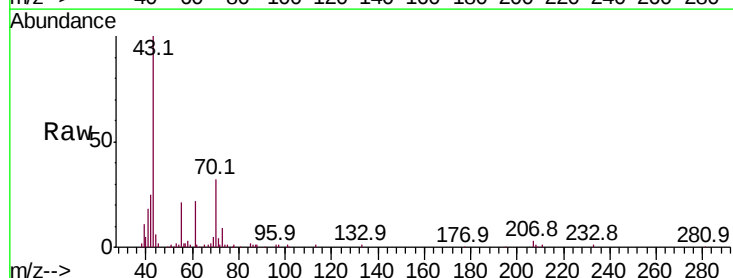
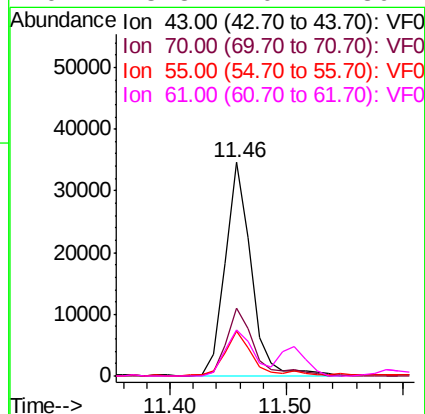
Ion Ratio Lower Upper

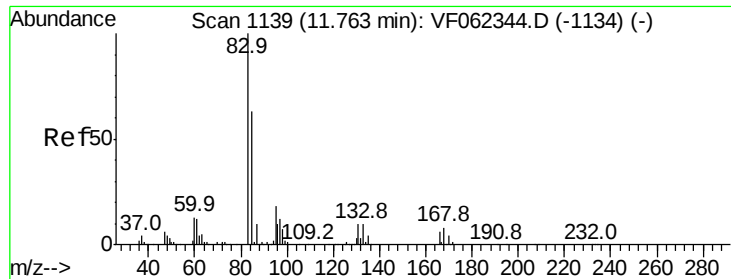
43 100

70 34.3 26.5 39.7

55 22.9 17.8 26.6

61 23.8 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 21.884 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

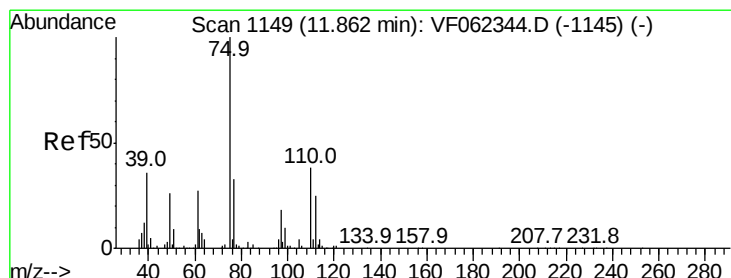
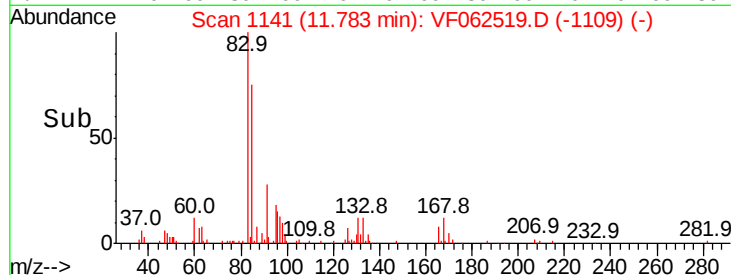
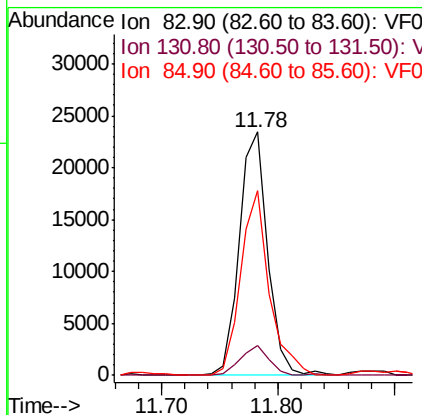
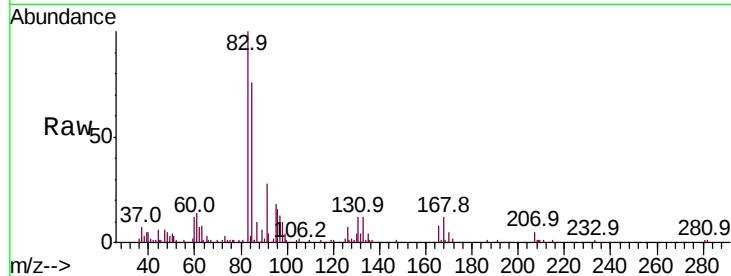
ClientSampleId :

VF0512SBSD02

Tot Ion:	83	Resp:	39520
Ion Ratio	Lower	Upper	
83	100		
131	12.2	5.8	17.4
85	76.2	35.3	105.7

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#76

1,2,3-Trichloropropane

Concen: 22.316 ug/l

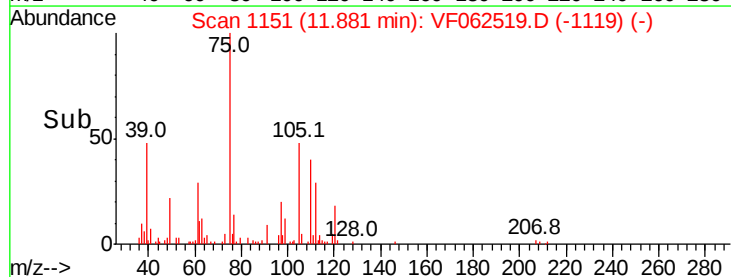
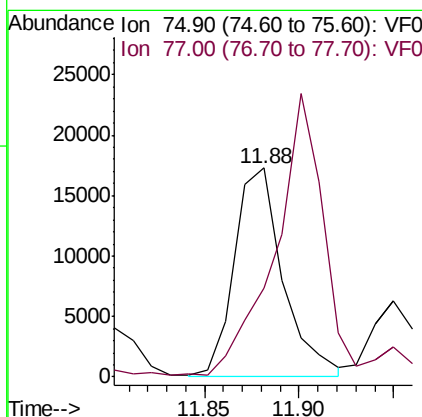
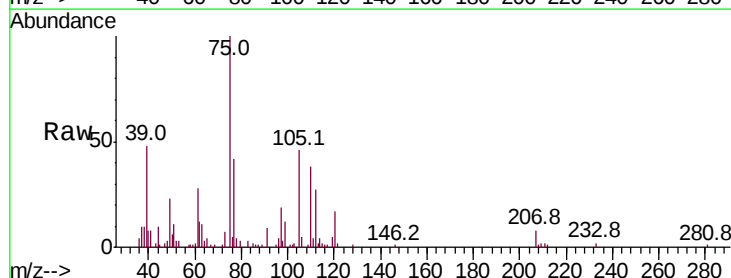
RT: 11.88 min Scan# 1151

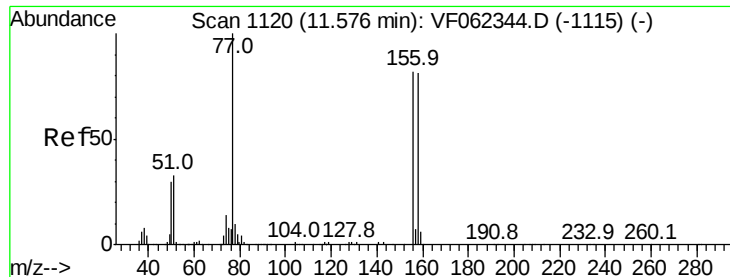
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	75	Resp:	30746
Ion Ratio	Lower	Upper	
75	100		
77	134.2	0.0	0.0#





#77

Bromobenzene

Concen: 23.125 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

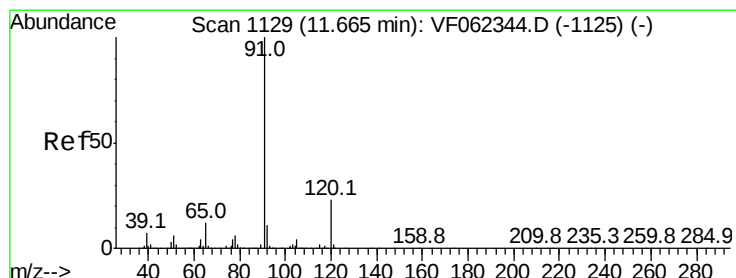
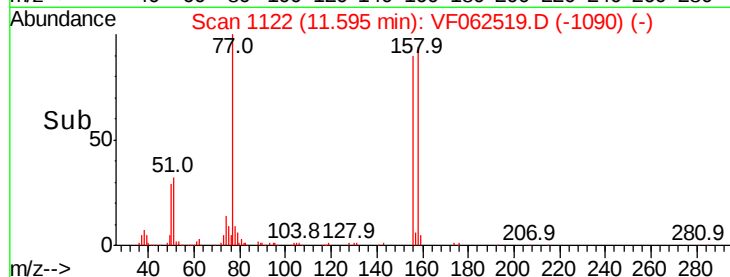
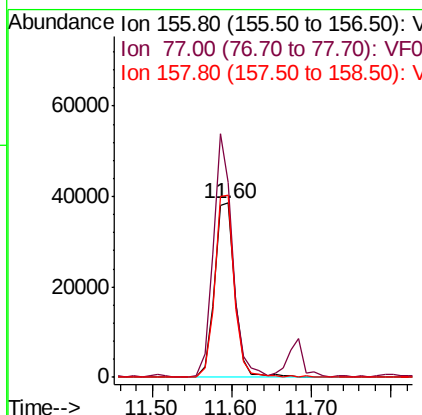
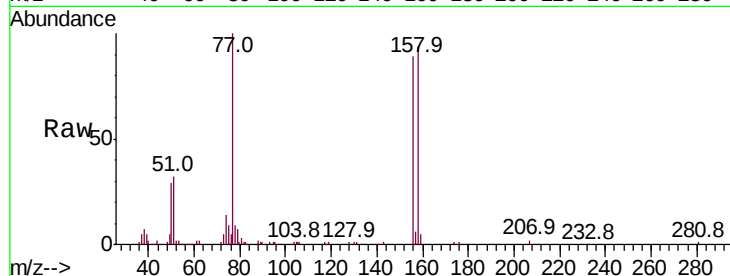
ClientSampleId :

VF0512SBSD02

Tot Ion:	156	Resp:	69999
Ion Ratio	Lower	Upper	
156	100		
77	130.8	64.8	194.3
158	100.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.414 ug/l

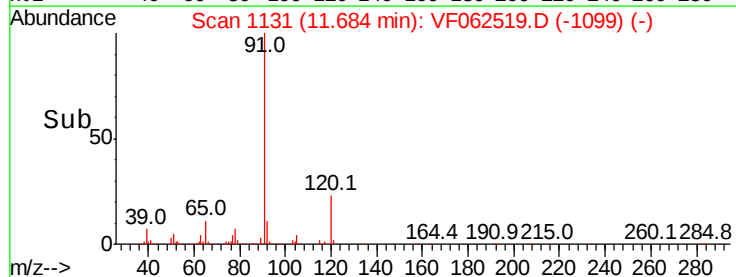
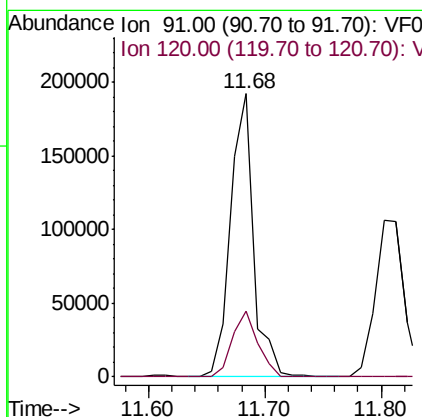
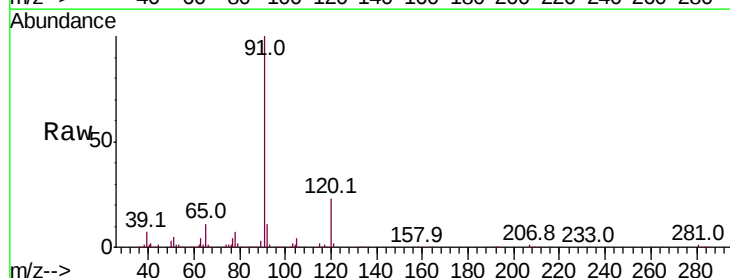
RT: 11.68 min Scan# 1131

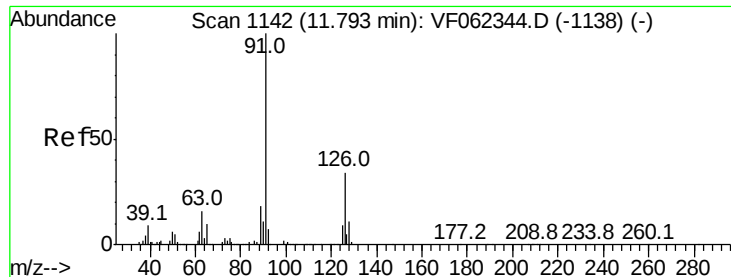
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	91	Resp:	262956
Ion Ratio	Lower	Upper	
91	100		
120	26.0	11.9	35.5





#79

2-Chlorotoluene

Concen: 23.527 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBSD02

Tot Ion: 91 Resp: 179642

Ion Ratio Lower Upper

91 100

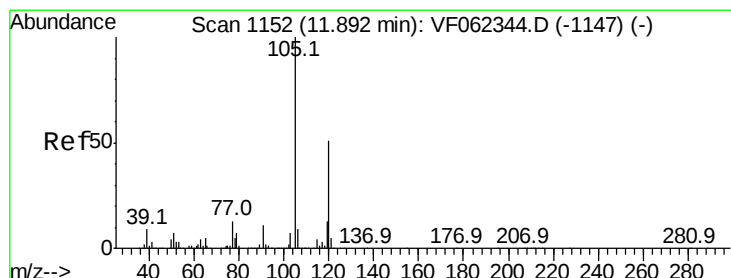
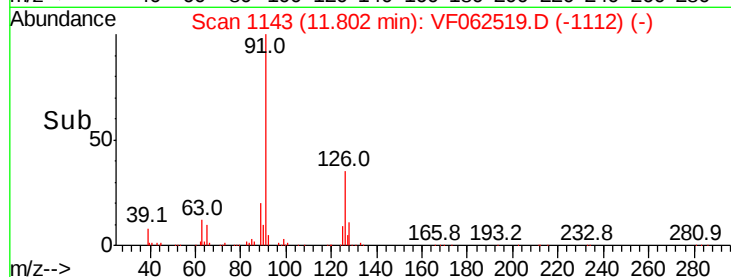
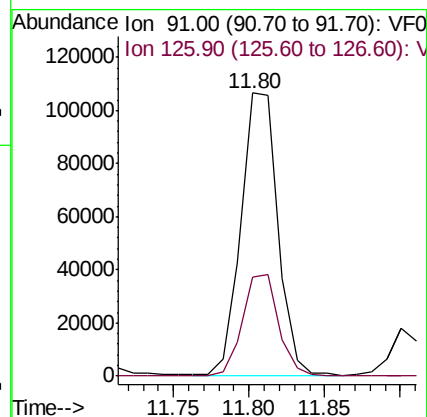
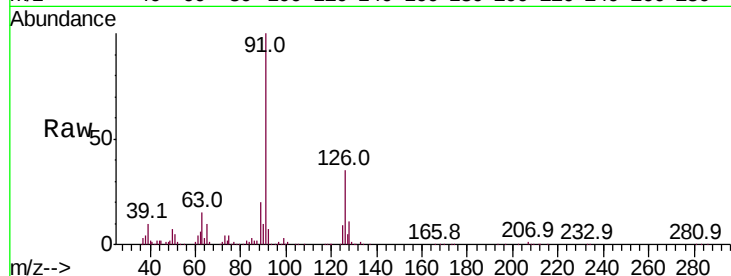
126 35.5 17.8 53.4

Manual Integrations

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5/13/2019 12:25:41 PM



#80

1,3,5-Trimethylbenzene

Concen: 23.450 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VF062519.D

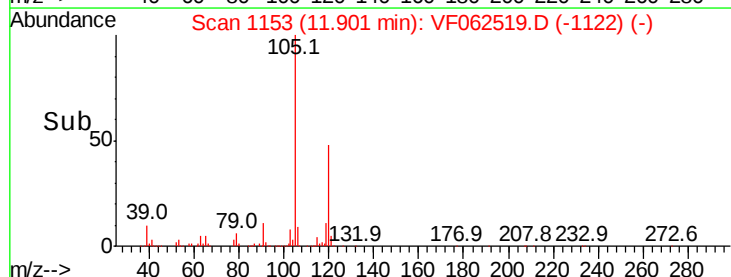
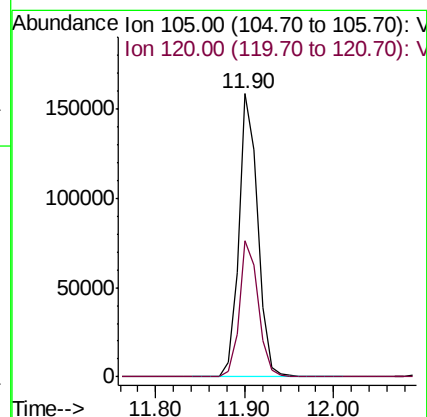
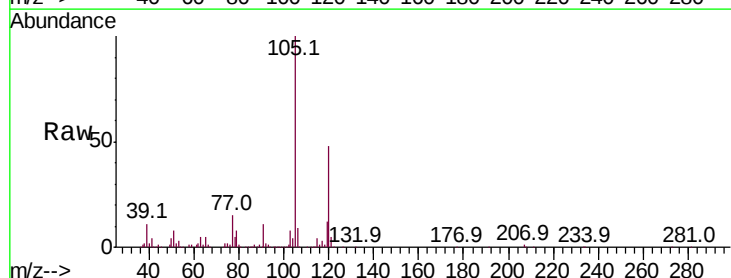
Acq: 13 May 2019 00:08

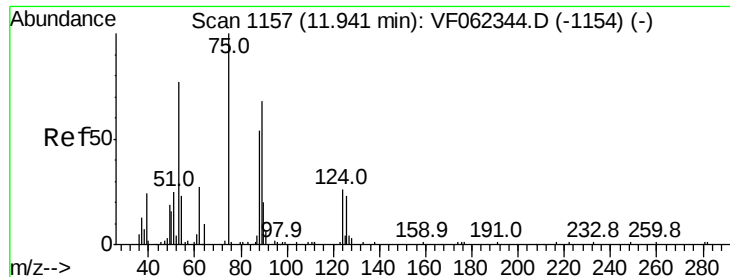
Tgt Ion: 105 Resp: 237060

Ion Ratio Lower Upper

105 100

120 48.2 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 21.093 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

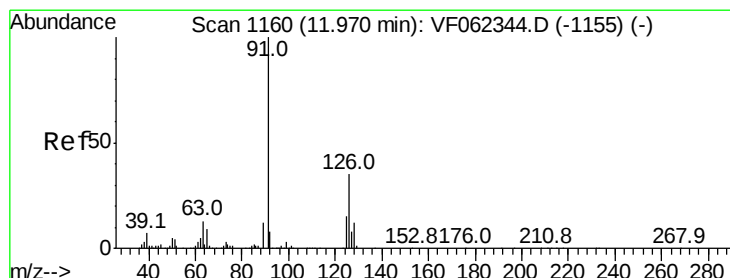
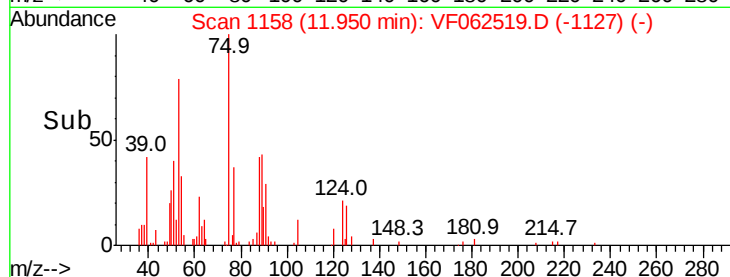
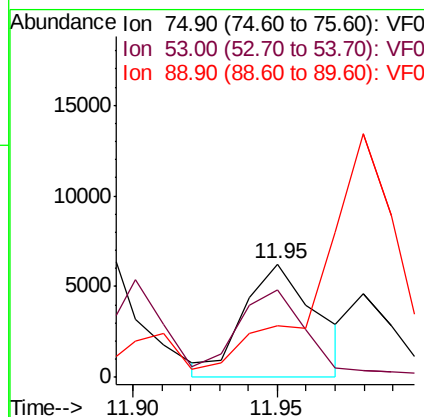
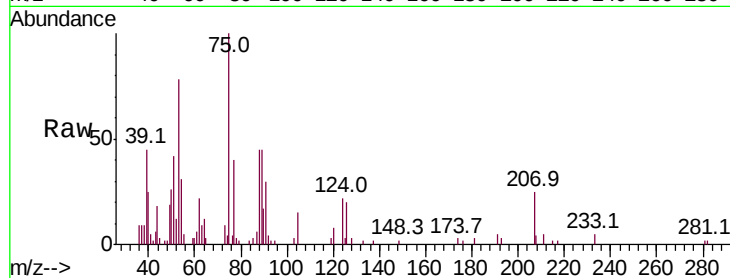
ClientSampleId :

VF0512SBSD02

Tot Ion:	75	Resp:	10924
Ion Ratio	Lower	Upper	
75	100		
53	80.3	71.9	107.9
89	0.0	0.0	0.0

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#82

4-Chlorotoluene

Concen: 23.345 ug/l

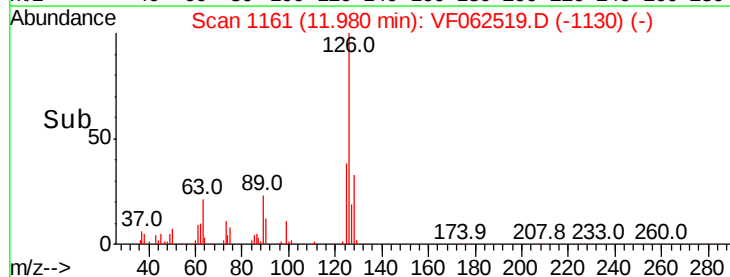
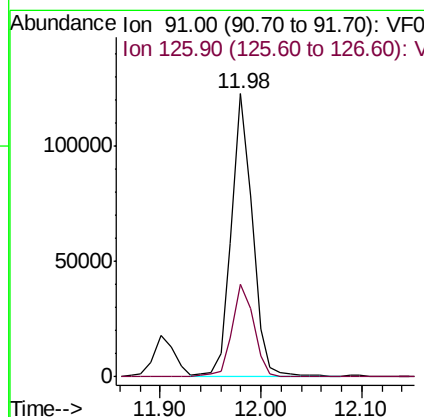
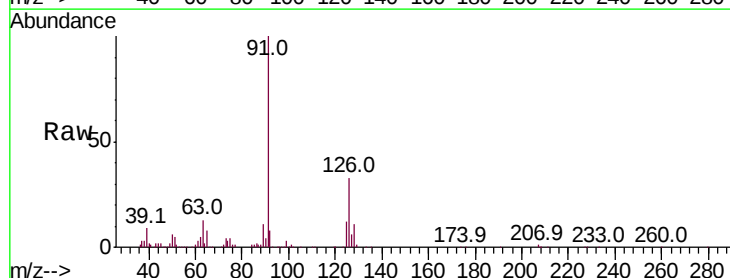
RT: 11.98 min Scan# 1161

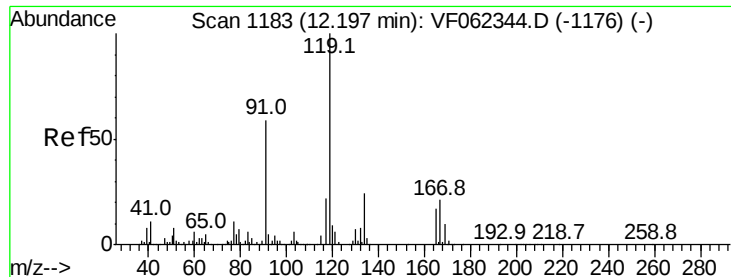
Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	91	Resp:	176054
Ion Ratio	Lower	Upper	
91	100		
126	35.1	17.7	53.1





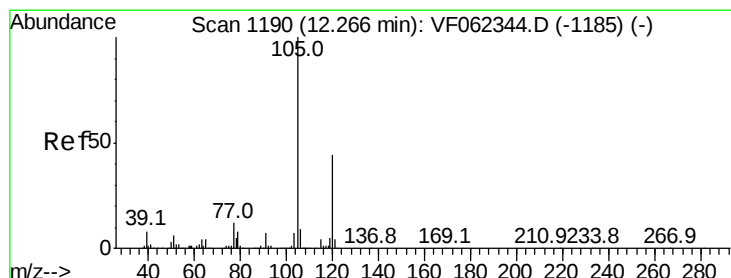
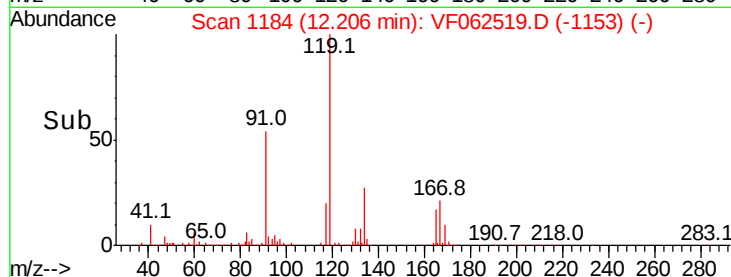
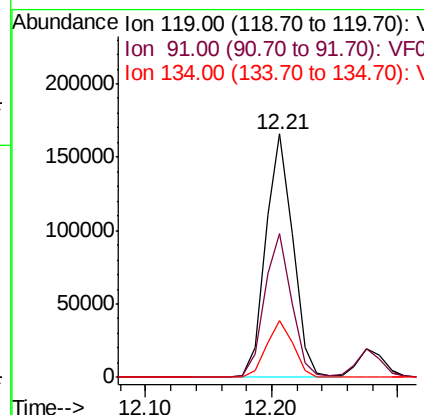
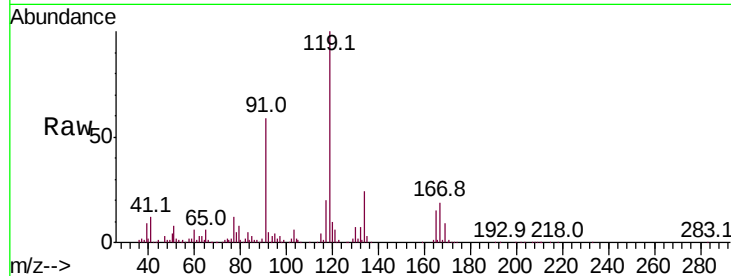
#83
tert-Butylbenzene
Concen: 23.505 ug/l
RT: 12.21 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249728		
91	58.6	30.4	91.3	
134	23.1	11.9	35.7	

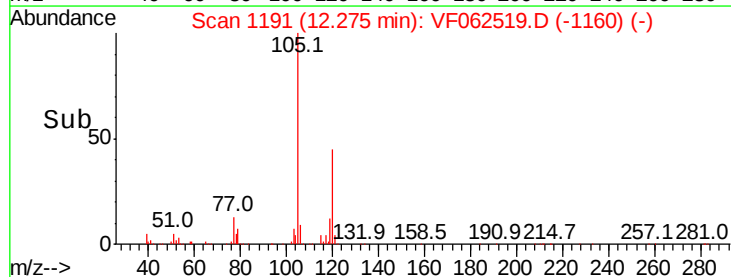
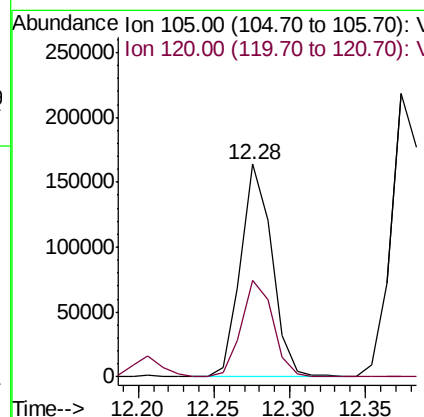
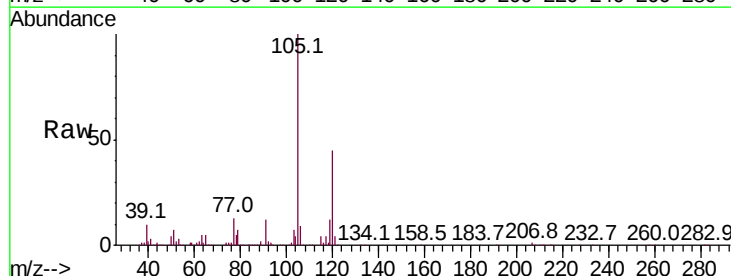
Manual Integrations
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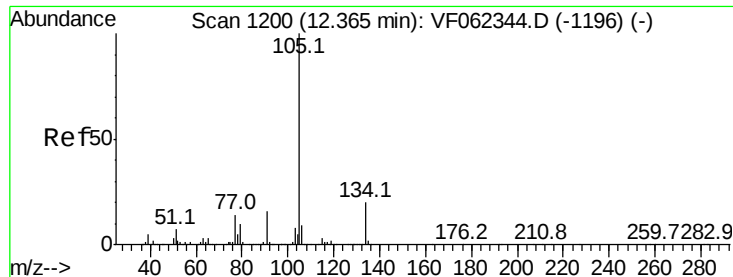
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#84
1,2,4-Trimethylbenzene
Concen: 23.972 ug/l
RT: 12.28 min Scan# 1191
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	237153		
120	46.0	22.6	67.7	





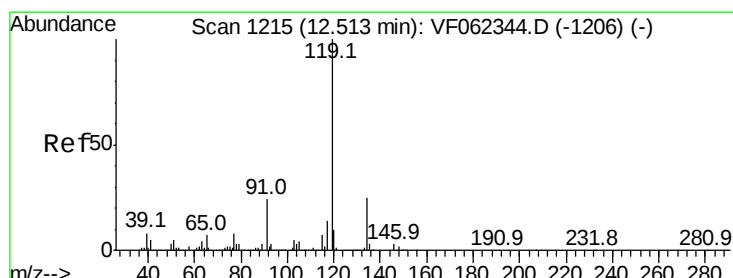
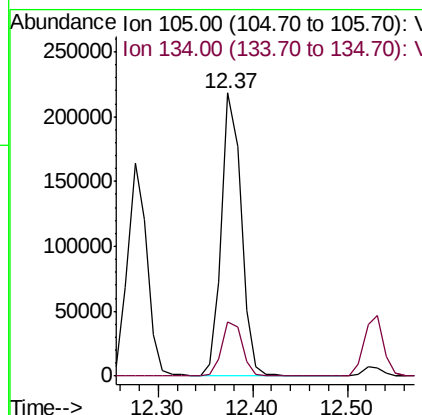
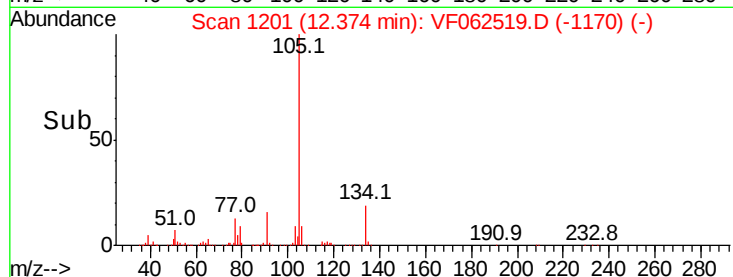
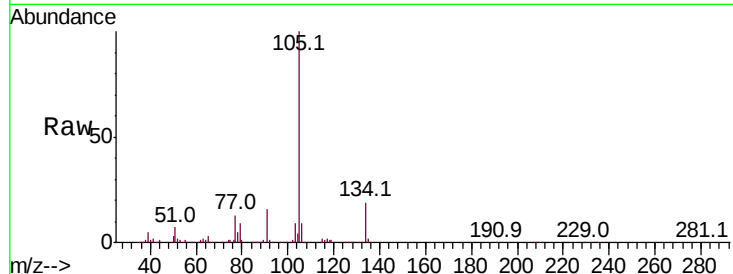
#85
 sec-Butylbenzene
 Concen: 24.694 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleID :
 VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
105	100	319337		
134	20.1	9.8	29.5	

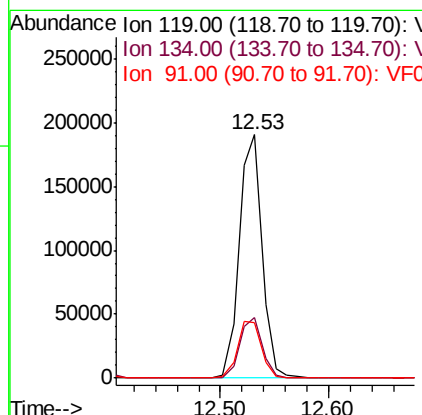
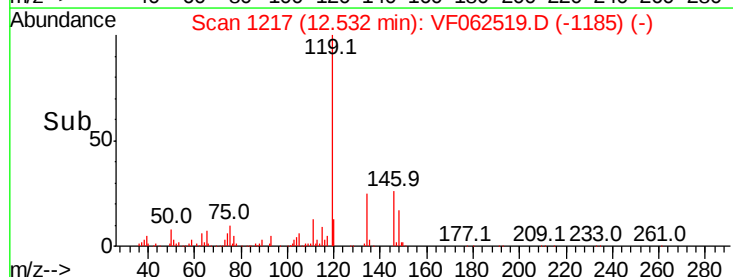
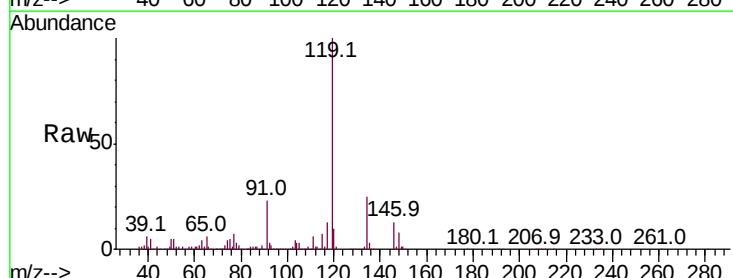
Manual Integrations
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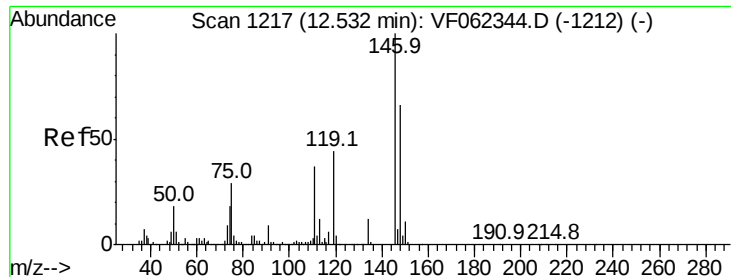
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#86
 p-Isopropyltoluene
 Concen: 23.251 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.02 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	279353		
134	24.6	12.9	38.7	
91	24.1	12.3	36.8	





#87

1,3-Dichlorobenzene

Concen: 23.360 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

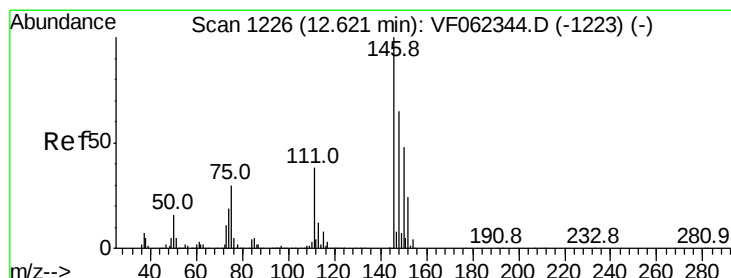
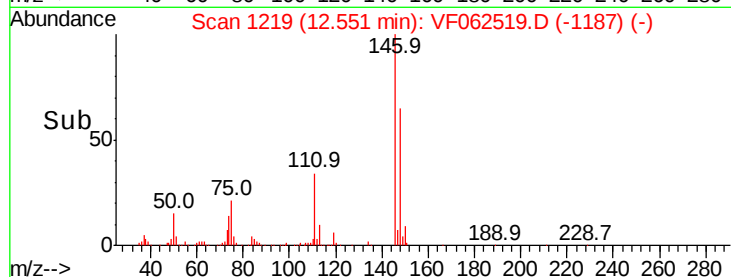
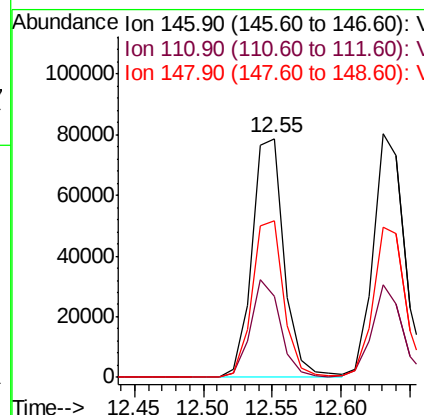
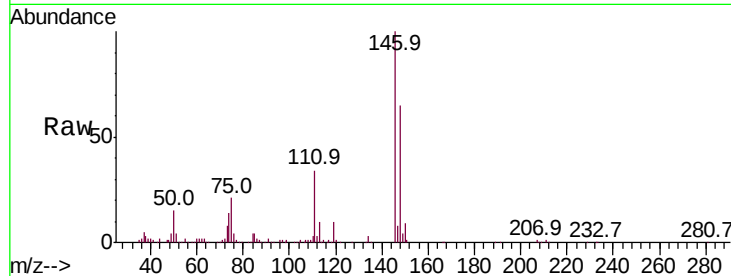
Instrument :
MSVOA_F

ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.3	54.8
148	64.9	32.3	96.9

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#88

1,4-Dichlorobenzene

Concen: 23.769 ug/l

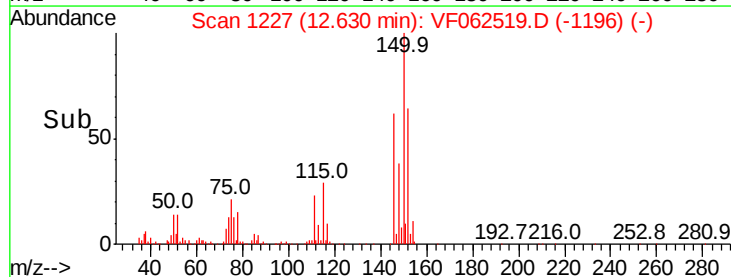
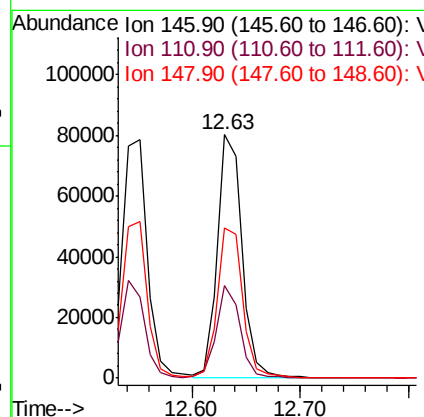
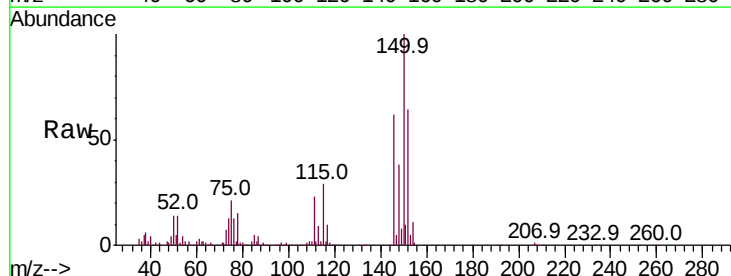
RT: 12.63 min Scan# 1227

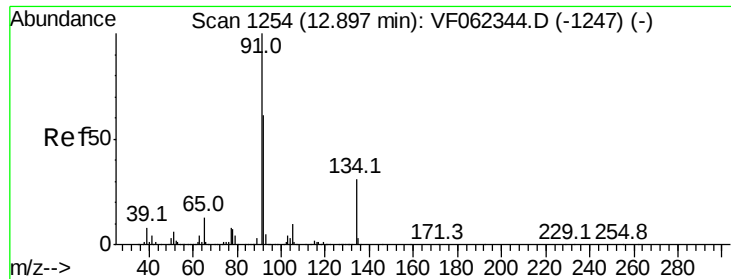
Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.3
148	63.4	32.2	96.6





#89

n-Butylbenzene

Concen: 24.072 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Instrument :

MSVOA_F

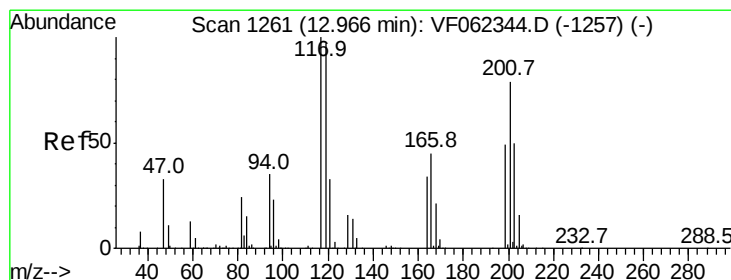
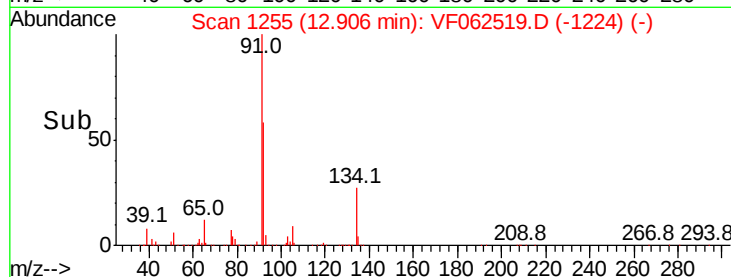
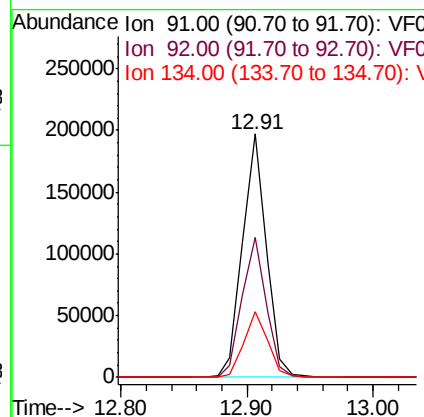
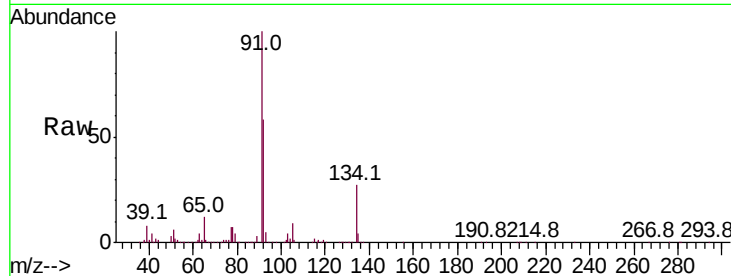
ClientSampleId :

VF0512SBSD02

Tot Ion:	91	Resp:	257312
Ion Ratio	Lower	Upper	
91	100		
92	58.3	30.0	90.0
134	27.6	14.1	42.4

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#90

Hexachloroethane

Concen: 22.581 ug/l

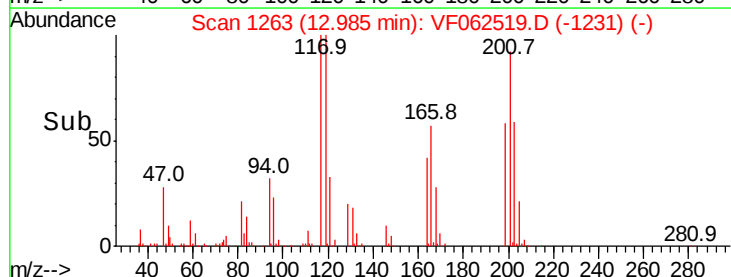
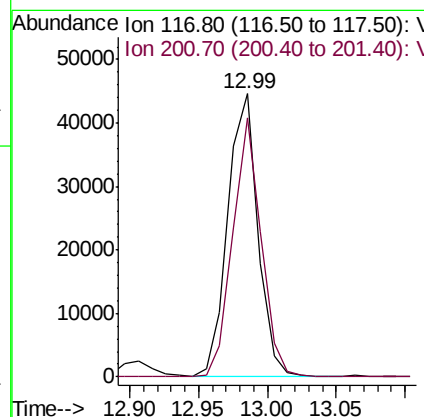
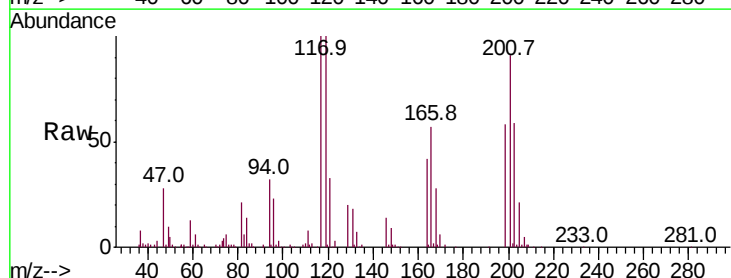
RT: 12.99 min Scan# 1263

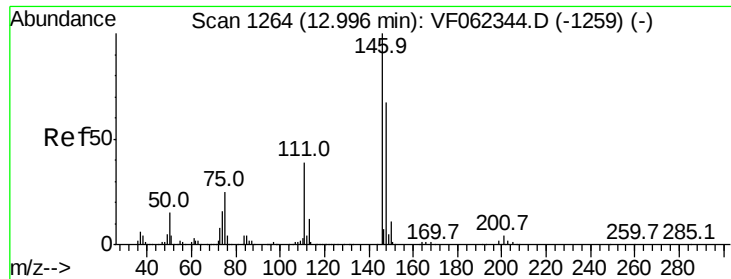
Delta R.T. 0.02 min

Lab File: VF062519.D

Acq: 13 May 2019 00:08

Tgt Ion:	117	Resp:	67742
Ion Ratio	Lower	Upper	
117	100		
201	86.6	46.2	138.5





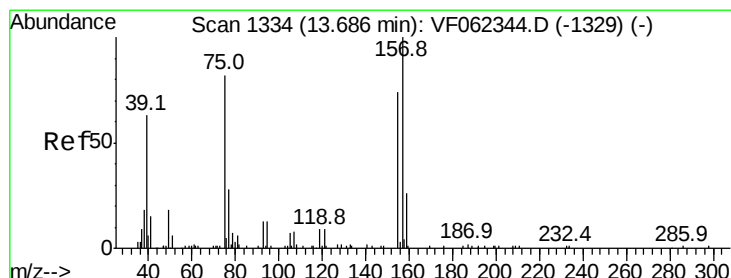
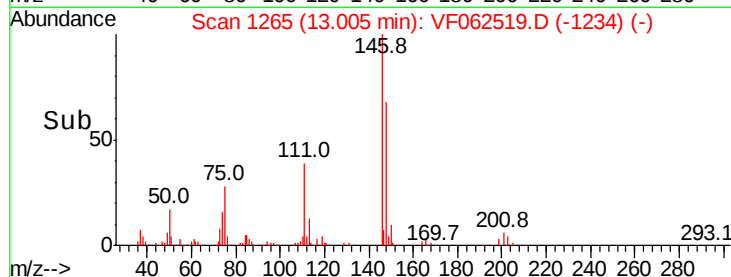
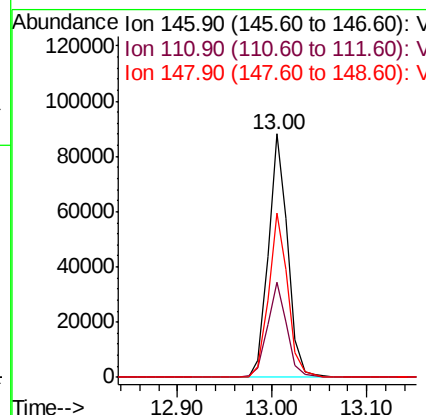
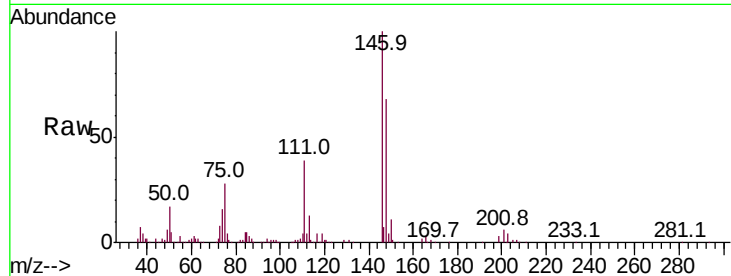
#91
 1,2-Dichlorobenzene
 Concen: 23.702 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.5	20.0	60.0	
148	66.9	33.1	99.5	

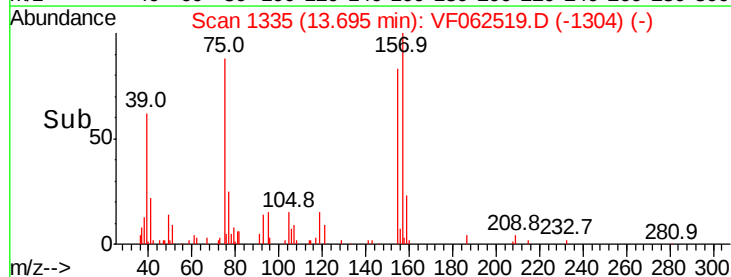
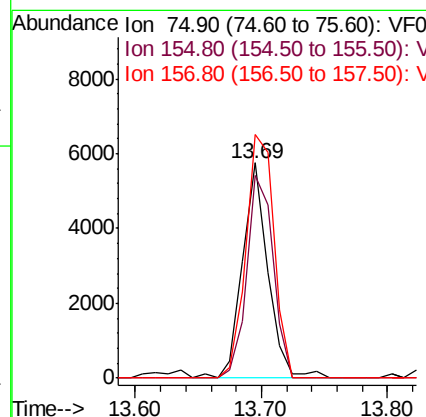
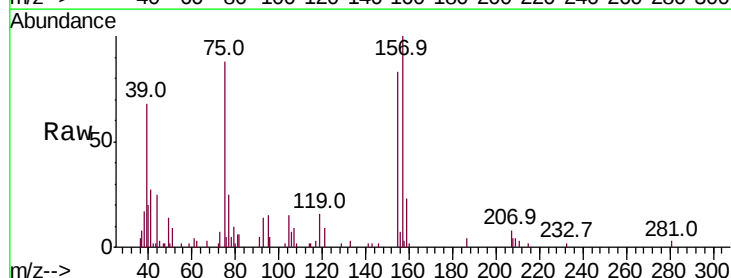
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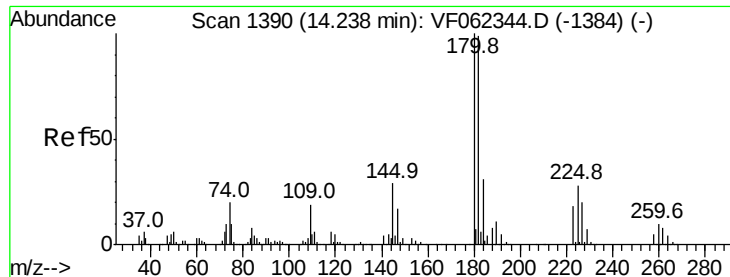
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.791 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	97.4	51.8	155.4	
157	125.4	67.3	201.8	





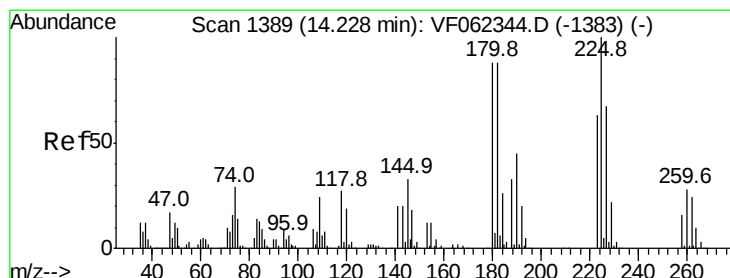
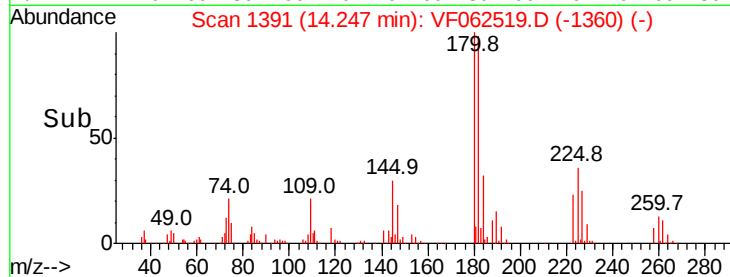
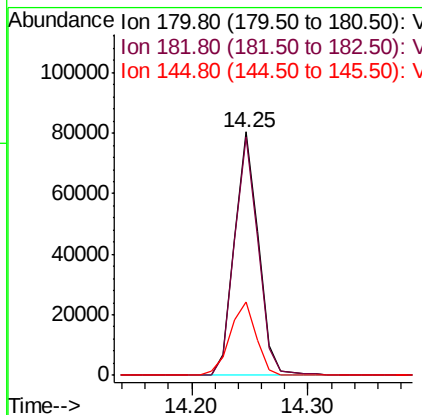
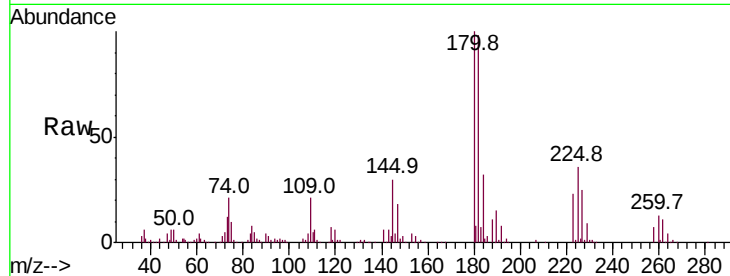
#93
 1,2,4-Trichlorobenzene
 Concen: 23.901 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.7	49.0	147.0	
145	33.0	16.7	50.1	

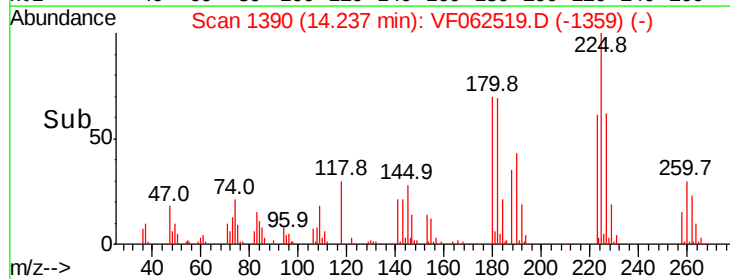
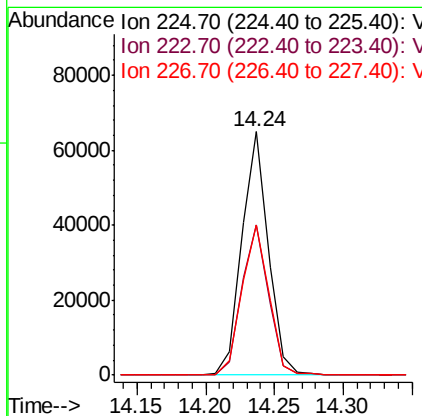
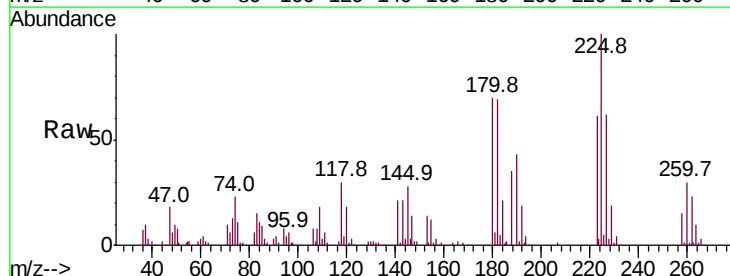
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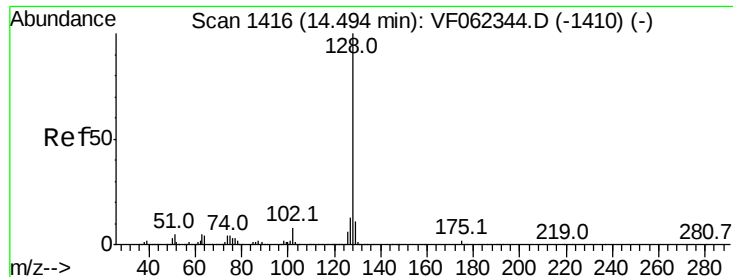
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#94
 Hexachlorobutadiene
 Concen: 24.455 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062519.D
 Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.4	31.9	95.5	
227	62.8	33.1	99.5	





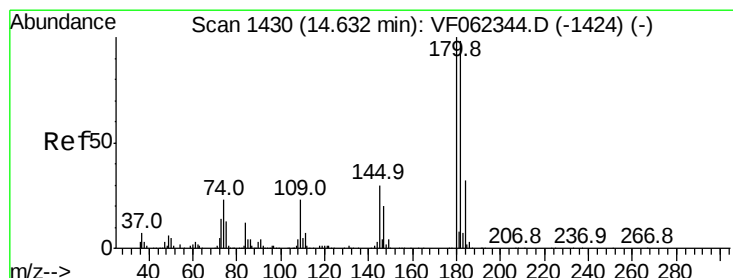
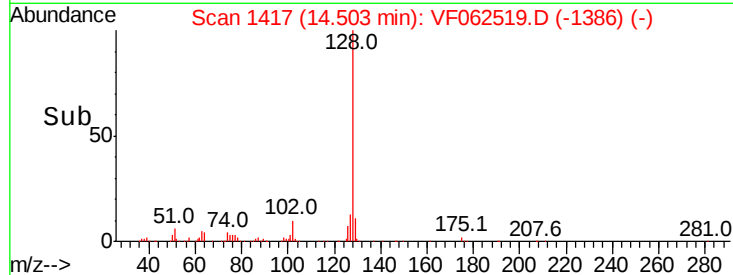
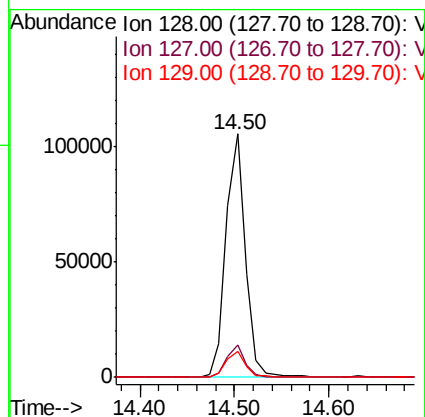
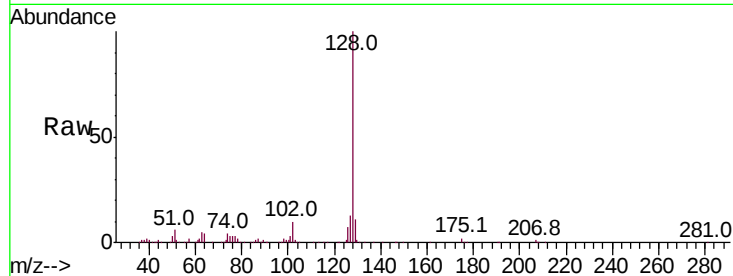
#95
Naphthalene
Concen: 20.761 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBSD02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	149809		
127	12.6		10.5	15.7
129	10.6		8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 22.896 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.01 min
Lab File: VF062519.D
Acq: 13 May 2019 00:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	106464		
182	94.7		49.4	148.0
145	30.2		14.8	44.3

