

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051219\
 Data File : VF062497.D
 Acq On : 12 May 2019 12:28
 Operator : FY/SY
 Sample : VF0512SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:53 PM

Quant Time: May 13 05:15:10 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	5.08	168	325484	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	5.79	114	421894	50.00	ug/l	0.02
63) Chlorobenzene-d5	9.93	117	382193	50.00	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	12.62	152	249981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	153485	49.90	ug/l	0.03
Spiked Amount 50.000			Recovery	=	99.80%	
35) Dibromofluoromethane	4.33	113	183047	54.46	ug/l	0.03
Spiked Amount 50.000			Recovery	=	108.92%	
50) Toluene-d8	7.73	98	429688	52.81	ug/l	0.03
Spiked Amount 50.000			Recovery	=	105.62%	
62) 4-Bromofluorobenzene	11.50	95	201294	54.84	ug/l	0.02
Spiked Amount 50.000			Recovery	=	109.68%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	81143	21.541	ug/l	99
3) Chloromethane	1.14	50	48912	19.688	ug/l	100
4) Vinyl Chloride	1.19	62	51120	20.629	ug/l	99
5) Bromomethane	1.38	94	43087	21.618	ug/l	88
6) Chloroethane	1.44	64	29280	23.502	ug/l	93
7) Trichlorofluoromethane	1.56	101	119877	23.315	ug/l	99
8) Diethyl Ether	1.72	74	15716	20.201	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.90	101	68685	23.399	ug/l	98
10) Methyl Iodide	1.98	142	113074	23.375	ug/l	97
11) Tert butyl alcohol	2.70	59	16670	95.890	ug/l	100
12) 1,1-Dichloroethene	1.87	96	48373	19.384	ug/l	96
13) Acrolein	2.11	56	12442	103.406	ug/l	97
14) Allyl chloride	2.21	41	77085	34.969	ug/l	98
15) Acrylonitrile	3.10	53	33737	102.449	ug/l	98
16) Acetone	2.36	43	70620	113.492	ug/l	94
17) Carbon Disulfide	1.91	76	115326	21.195	ug/l	95
18) Methyl Acetate	2.46	43	23834	19.066	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	106459	20.667	ug/l	98
20) Methylene Chloride	2.33	84	49724	22.087	ug/l	89
21) trans-1,2-Dichloroethene	2.43	96	54816	23.056	ug/l	93
22) Diisopropyl ether	2.95	45	146301	21.235	ug/l	94
23) Vinyl Acetate	3.36	43	330388	107.597	ug/l	98
24) 1,1-Dichloroethane	3.03	63	97857	23.501	ug/l	98
25) 2-Butanone	4.53	43	81032	103.656	ug/l #	91
26) 2,2-Dichloropropane	3.80	77	68144	29.305	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	64570	21.726	ug/l	95
28) Bromochloromethane	3.92	49	37329	19.767	ug/l	93
29) Tetrahydrofuran	4.29	42	34248	95.323	ug/l	98
30) Chloroform	4.06	83	133578	23.745	ug/l	99
31) Cyclohexane	3.90	56	74031	22.275	ug/l	98
32) 1,1,1-Trichloroethane	4.31	97	122590	25.426	ug/l	97
36) 1,1-Dichloropropene	4.49	75	78702	21.716	ug/l	97
37) Ethyl Acetate	4.32	43	32341	19.726	ug/l #	98
38) Carbon Tetrachloride	4.21	117	114145m	29.209	ug/l	

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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	76546	21.059	ug/l	97
40) Benzene	4.84	78	184167	23.076	ug/l	96
41) Methacrylonitrile	4.95	41	15600	17.951	ug/l #	59
42) 1,2-Dichloroethane	5.15	62	77576	23.241	ug/l	98
43) Isopropyl Acetate	7.13	43	35317	21.424	ug/l #	99
44) Trichloroethene	5.70	130	64021	21.837	ug/l	98
45) 1,2-Dichloropropane	6.42	63	38284	21.179	ug/l	98
46) Dibromomethane	6.28	93	35120	23.432	ug/l	92
47) Bromodichloromethane	6.56	83	88722	23.677	ug/l	96
48) Methyl methacrylate	6.89	41	23857	20.479	ug/l	95
49) 1,4-Dioxane	6.90	88	3596	290.866	ug/l #	85
51) 4-Methyl-2-Pentanone	8.42	43	137258	109.883	ug/l	99
52) Toluene	7.80	92	116413	23.645	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	66674	23.525	ug/l	95
54) cis-1,3-Dichloropropene	7.47	75	81301	24.649	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	34772	22.248	ug/l	95
56) Ethyl methacrylate	8.77	69	33373	20.228	ug/l	98
57) 1,3-Dichloropropane	9.01	76	55839	23.652	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	48098	96.969	ug/l	99
59) 2-Hexanone	9.64	43	99838	115.567	ug/l	98
60) Dibromochloromethane	8.87	129	60323	23.599	ug/l	99
61) 1,2-Dibromoethane	9.15	107	39991	21.770	ug/l	97
64) Tetrachloroethene	8.32	164	64970	20.939	ug/l	96
65) Chlorobenzene	9.95	112	144028	22.776	ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.07	131	70073	21.966	ug/l	97
67) Ethyl Benzene	10.04	91	251458	22.709	ug/l	97
68) m/p-Xylenes	10.27	106	183611	44.941	ug/l	96
69) o-Xylene	10.83	106	100308	22.721	ug/l	100
70) Styrene	10.90	104	152955	23.117	ug/l	97
71) Bromoform	10.89	173	35431	20.273	ug/l #	99
73) Isopropylbenzene	11.23	105	329607	22.241	ug/l	100
74) N-amyl acetate	11.45	43	54347	17.082	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	46265	19.938	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	37371	21.110	ug/l #	100
77) Bromobenzene	11.59	156	86389	22.211	ug/l	98
78) n-propylbenzene	11.68	91	351027	22.248	ug/l	100
79) 2-Chlorotoluene	11.81	91	216857	22.103	ug/l	99
80) 1,3,5-Trimethylbenzene	11.91	105	287259	22.115	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.95	75	13932m	20.936	ug/l	
82) 4-Chlorotoluene	11.98	91	214241	22.109	ug/l	99
83) tert-Butylbenzene	12.20	119	291451	21.350	ug/l	99
84) 1,2,4-Trimethylbenzene	12.27	105	290282	22.836	ug/l	99
85) sec-Butylbenzene	12.38	105	370375	22.290	ug/l	100
86) p-Isopropyltoluene	12.53	119	344021	22.284	ug/l	99
87) 1,3-Dichlorobenzene	12.55	146	155005	21.821	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	154121	22.480	ug/l	98
89) n-Butylbenzene	12.90	91	286366	20.850	ug/l	97
90) Hexachloroethane	12.98	117	77340	20.064	ug/l	96
91) 1,2-Dichlorobenzene	13.00	146	154754	22.508	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.69	75	9510	18.294	ug/l	97

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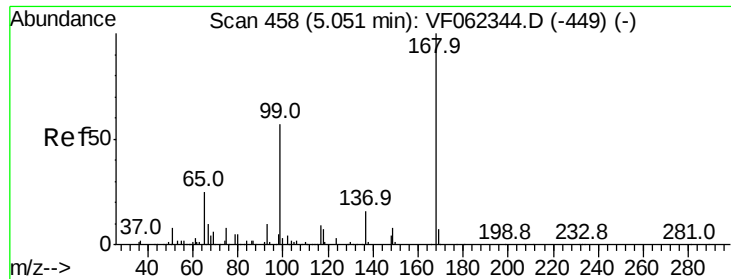
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	136694	22.165	ug/l	97
94) Hexachlorobutadiene	14.23	225	101665	22.118	ug/l	98
95) Naphthalene	14.50	128	171191	18.464	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	127597	21.357	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion:168 Resp: 325484

Ion Ratio Lower Upper

168 100

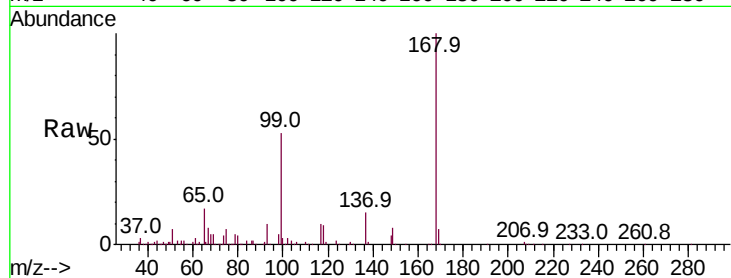
99 52.7 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.08

120000

100000

80000

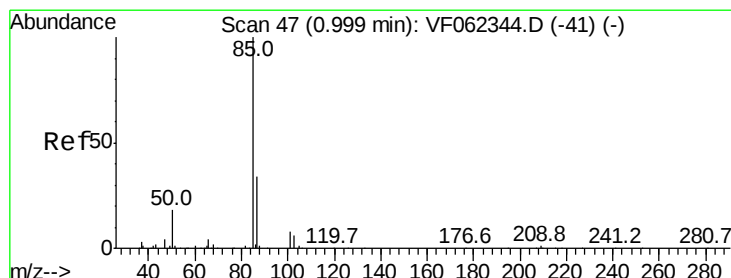
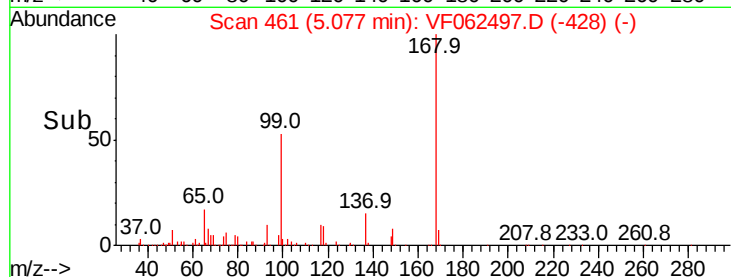
60000

40000

20000

0

Time--> 4.90 5.00 5.10 5.20 5.30



#2

Dichlorodifluoromethane

Concen: 21.541 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.01 min

Lab File: VF062497.D

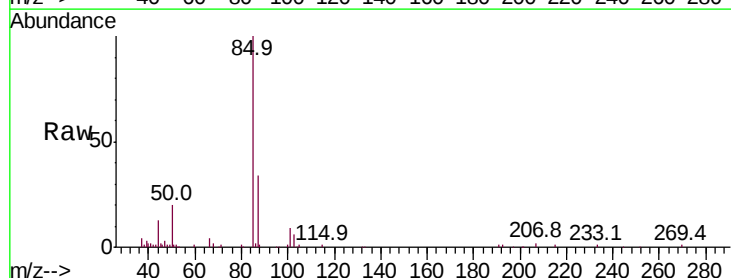
Acq: 12 May 2019 12:28

Tgt Ion: 85 Resp: 81143

Ion Ratio Lower Upper

85 100

87 34.0 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

25000

20000

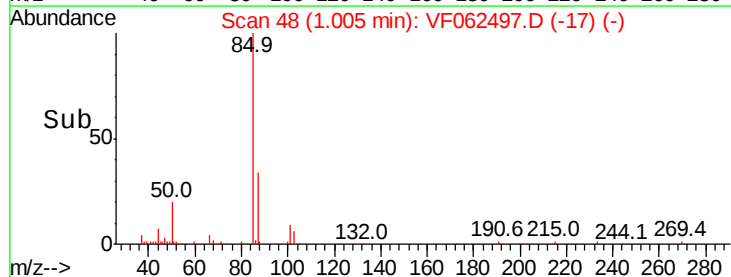
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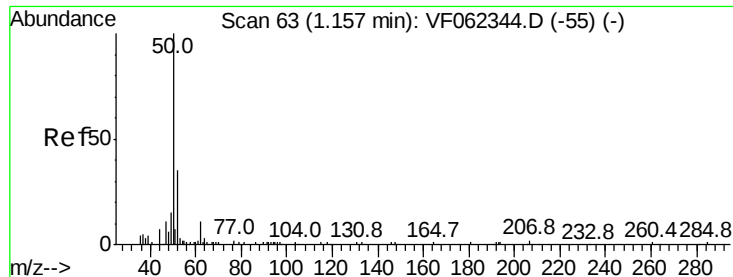
10000

5000

0

Time--> 0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.688 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 50 Resp: 48912

Ion Ratio Lower Upper

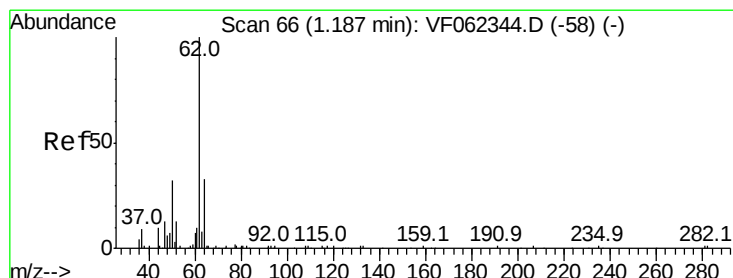
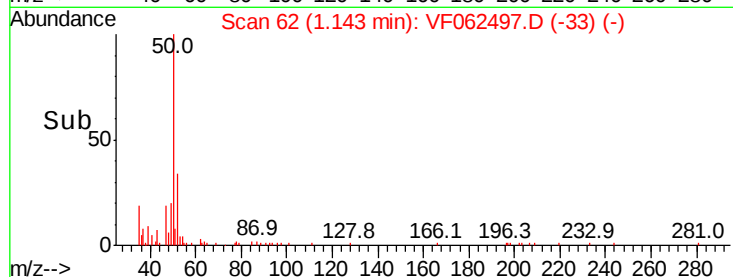
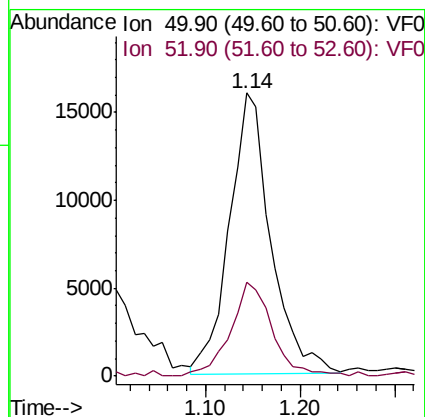
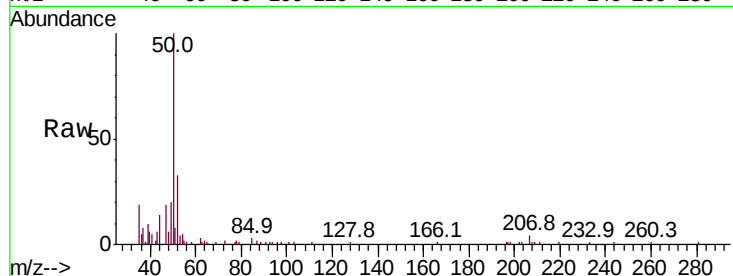
50 100

52 32.8 26.1 39.1

Manual Integrations
APPROVED

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5/13/2019 12:25:53 PM



#4

Vinyl Chloride

Concen: 20.629 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.01 min

Lab File: VF062497.D

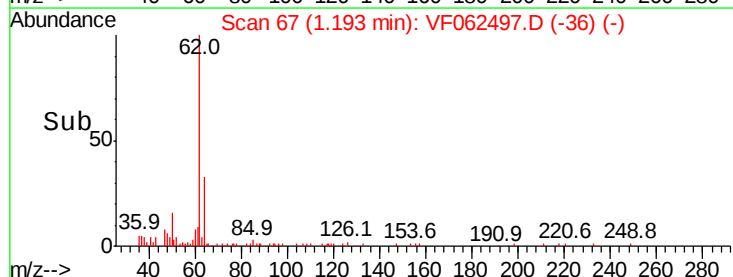
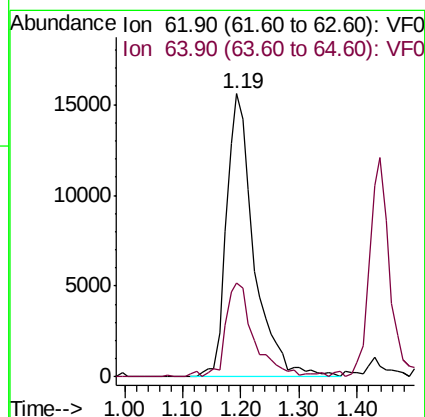
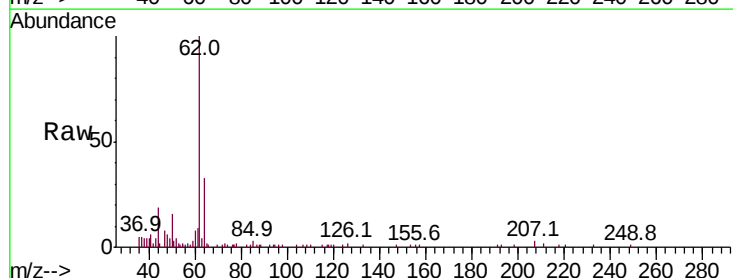
Acq: 12 May 2019 12:28

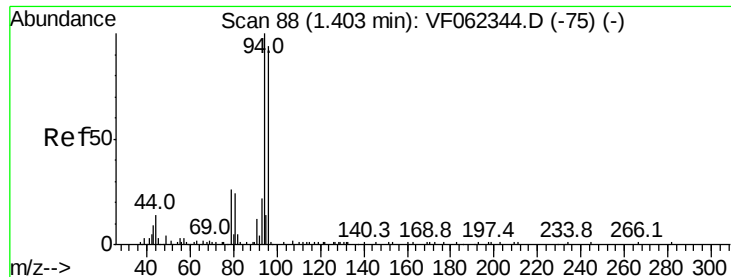
Tgt Ion: 62 Resp: 51120

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 21.618 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 94 Resp: 43087

Ion Ratio Lower Upper

94 100

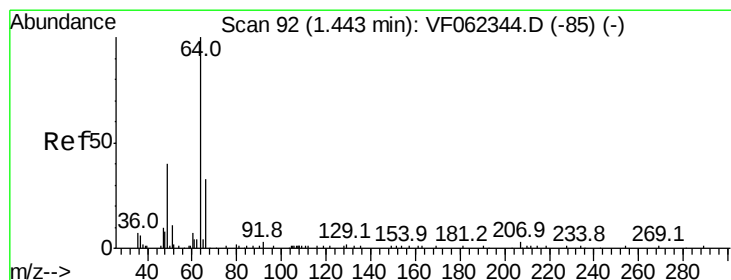
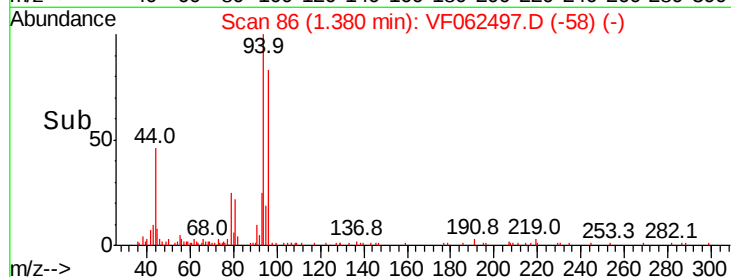
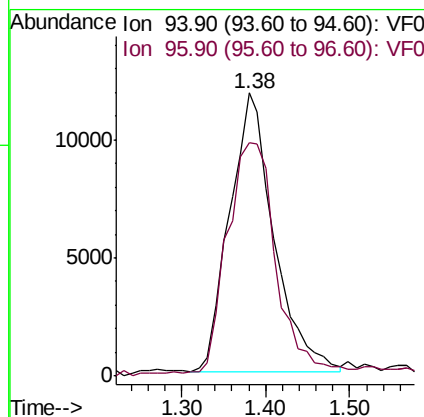
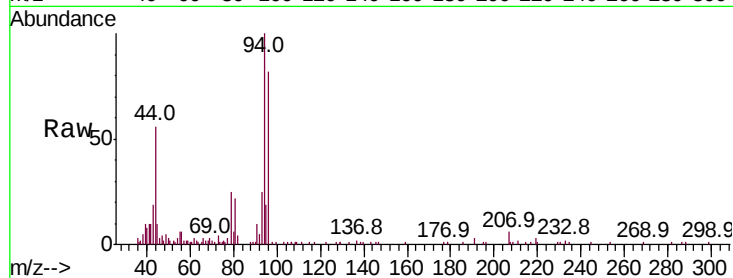
96 82.3 75.4 113.2

Manual Integrations

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#6

Chloroethane

Concen: 23.502 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062497.D

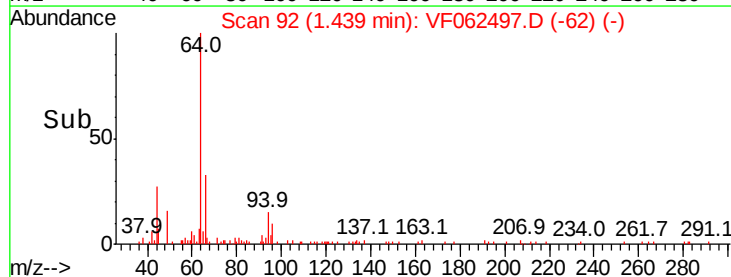
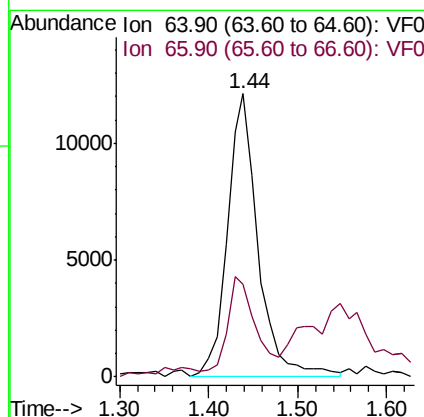
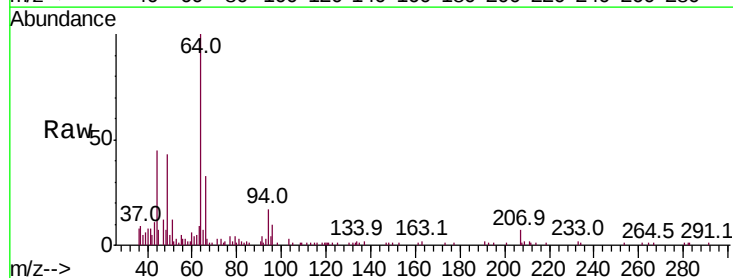
Acq: 12 May 2019 12:28

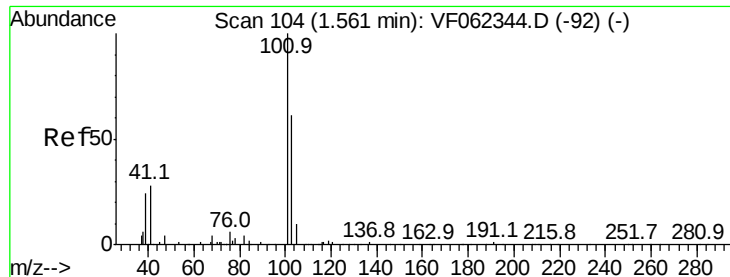
Tgt Ion: 64 Resp: 29280

Ion Ratio Lower Upper

64 100

66 29.5 26.6 39.8





#7

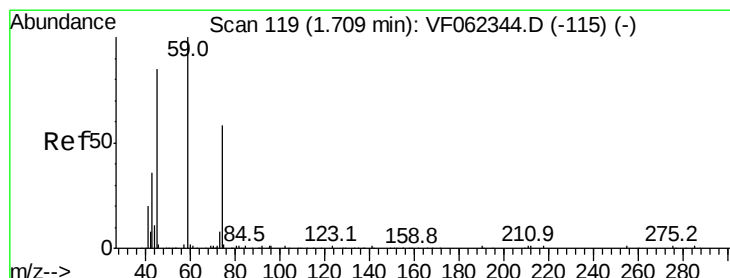
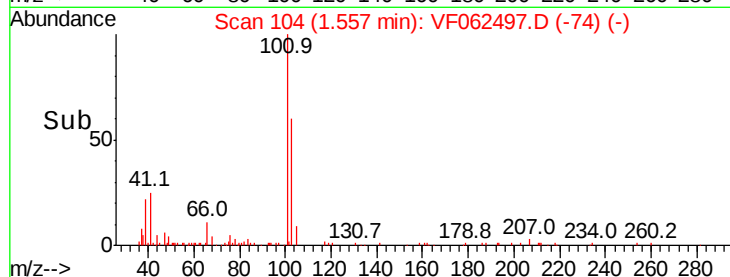
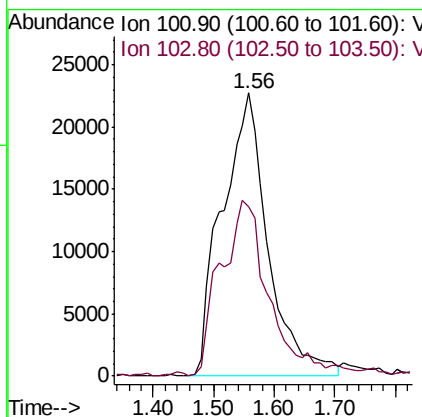
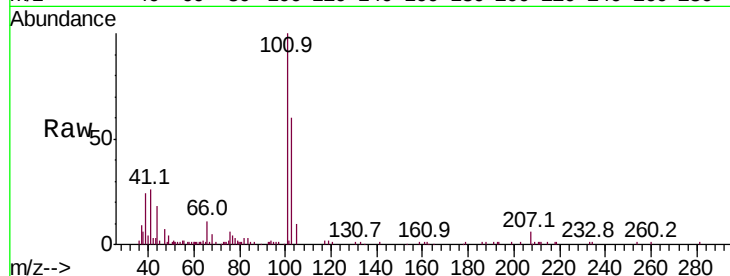
Trichlorofluoromethane
Concen: 23.315 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

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ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.8	48.5	72.7

Manual Integrations
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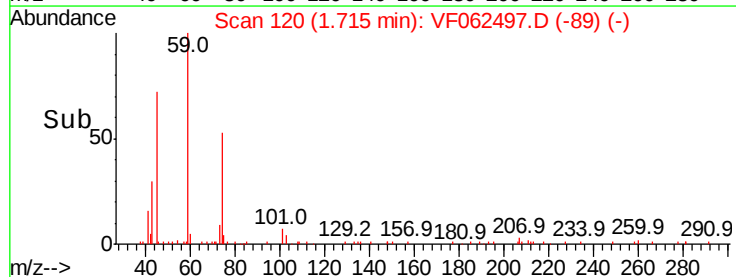
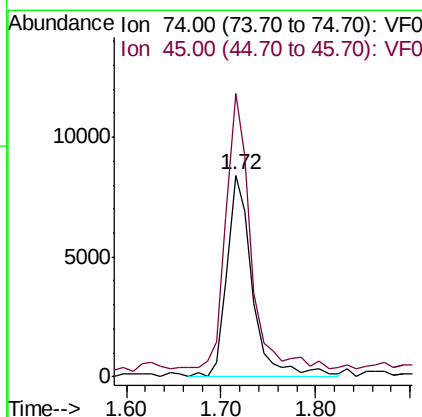
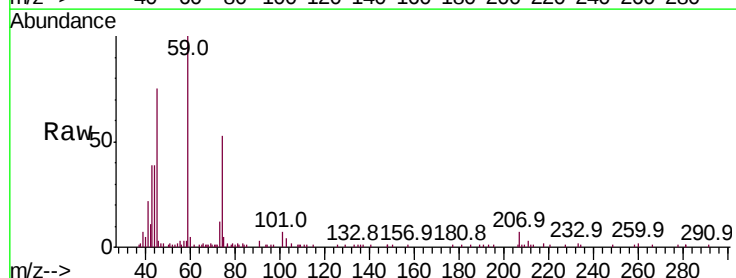
MMDadoda
5/13/2019 12:25:53 PM

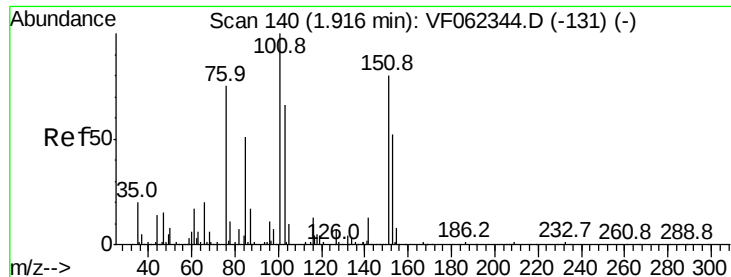


#8

Diethyl Ether
Concen: 20.201 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	131.5	73.9	221.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.399 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

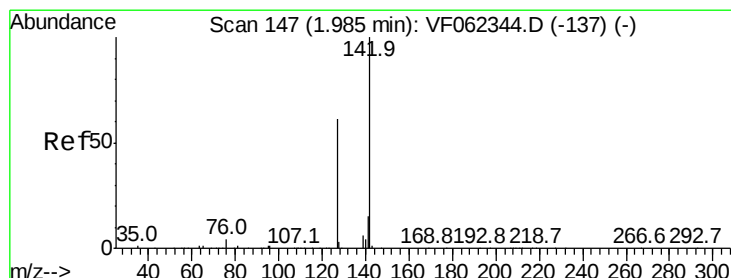
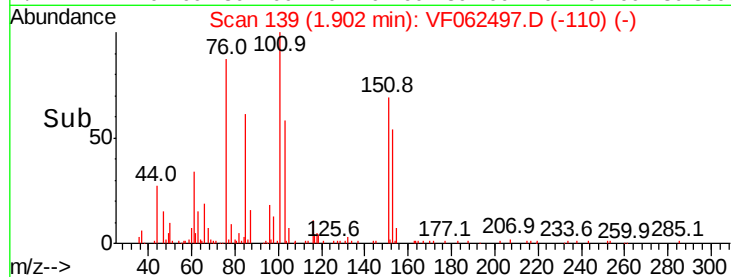
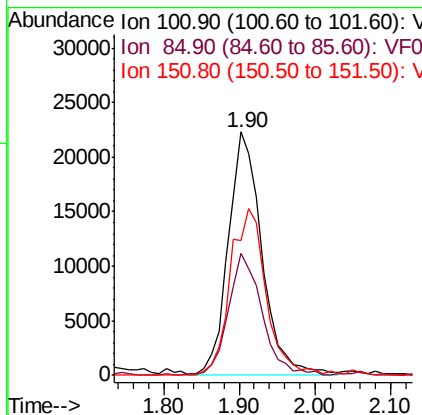
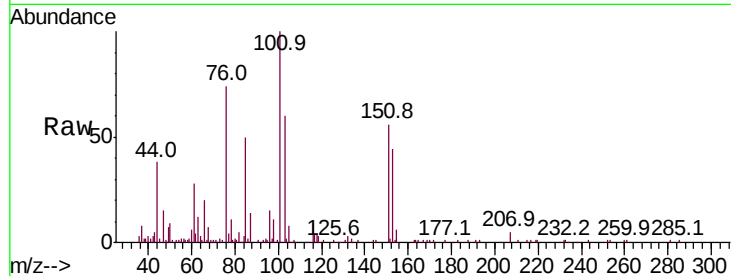
ClientSampleId :

VF0512SBS01

Tot Ion:	101	Resp:	68685
Ion Ratio	Lower	Upper	
101	100		
85	49.9	39.5	59.3
151	73.0	59.9	89.9

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#10

Methyl Iodide

Concen: 23.375 ug/l

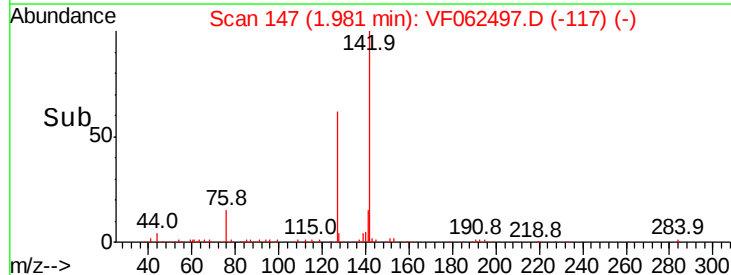
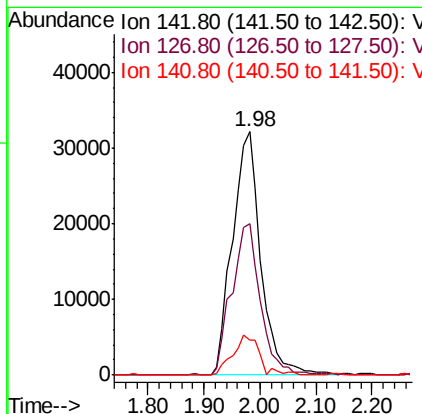
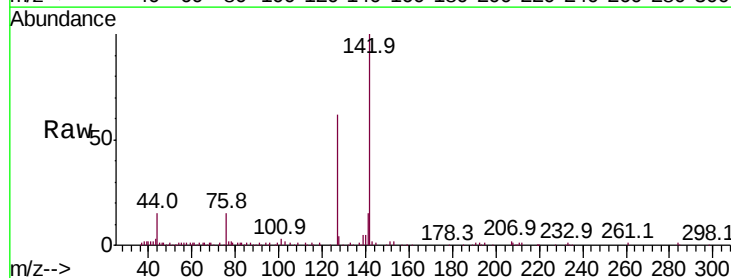
RT: 1.98 min Scan# 147

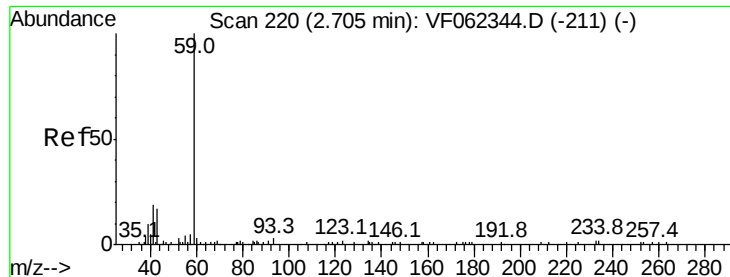
Delta R.T. -0.00 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	142	Resp:	113074
Ion Ratio	Lower	Upper	
142	100		
127	63.5	48.4	72.6
141	15.5	12.2	18.4





#11

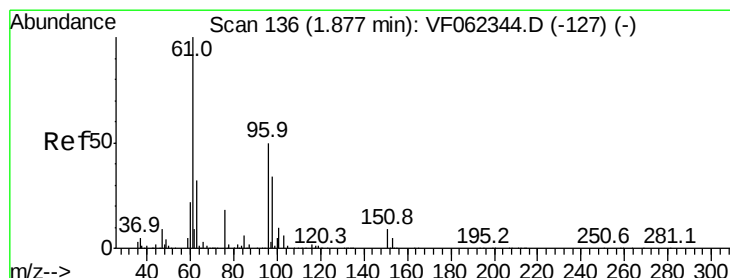
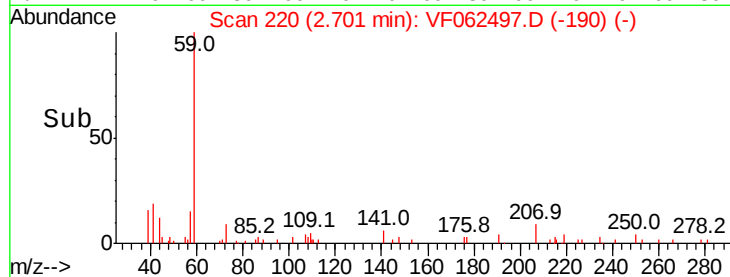
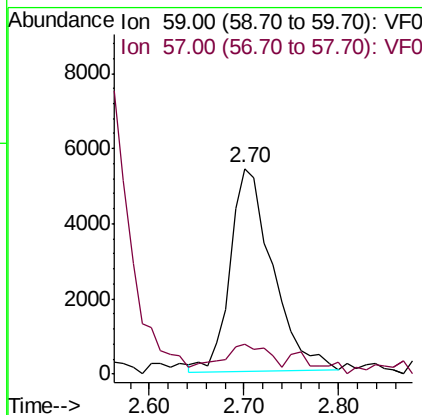
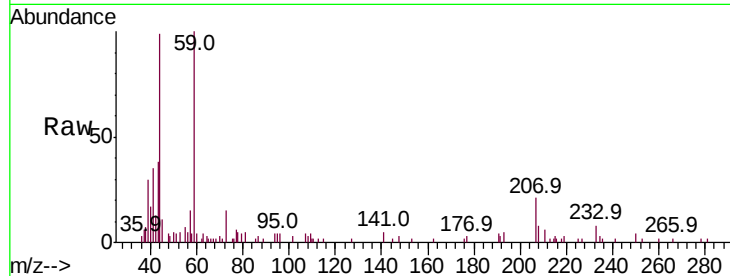
Tert butyl alcohol
Concen: 95.890 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	59	Resp	16670
Ion Ratio	100	Lower	Upper
57	11.7	9.3	13.9

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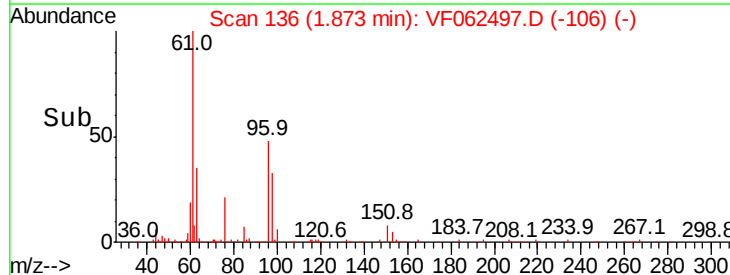
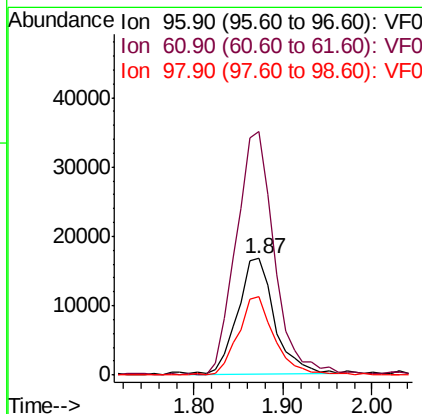
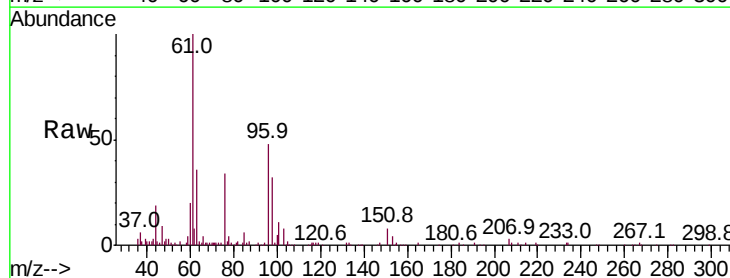
MMDadoda
5/13/2019 12:25:53 PM

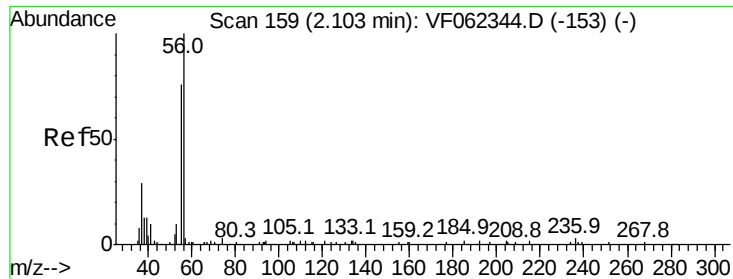


#12

1,1-Dichloroethene
Concen: 19.384 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	96	Resp	48373
Ion Ratio	100	Lower	Upper
61	210.1	163.2	244.8
98	67.2	55.2	82.8





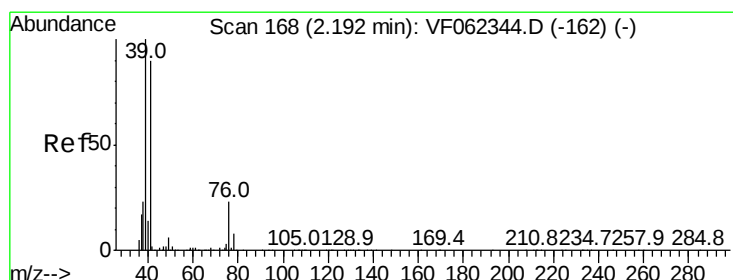
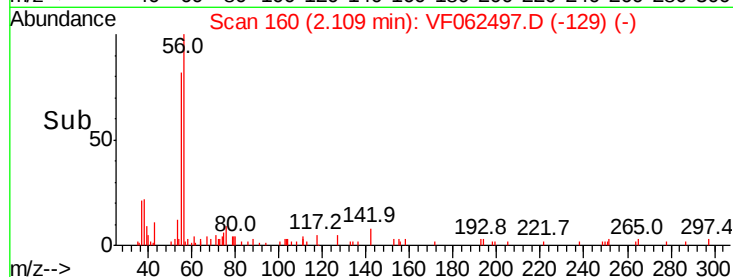
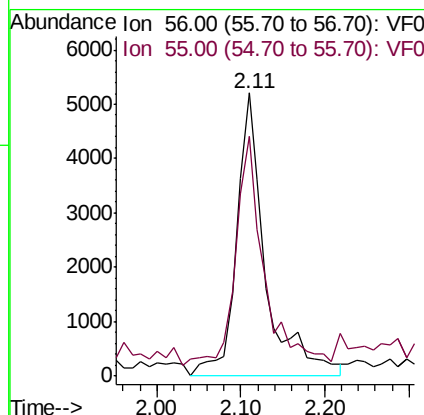
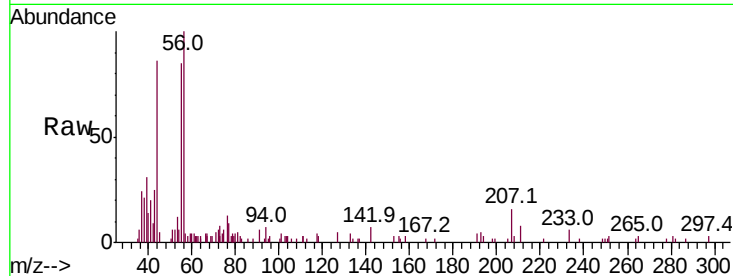
#13
Acrolein
Concen: 103.406 ug/l
RT: 2.11 min Scan# 160
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	56	Resp	12442
Ion Ratio	100	Lower	Upper
55	70.9	58.4	87.6

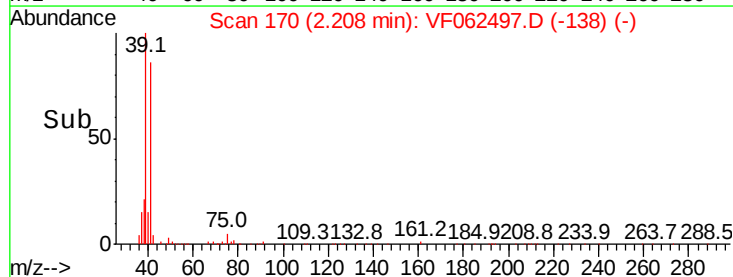
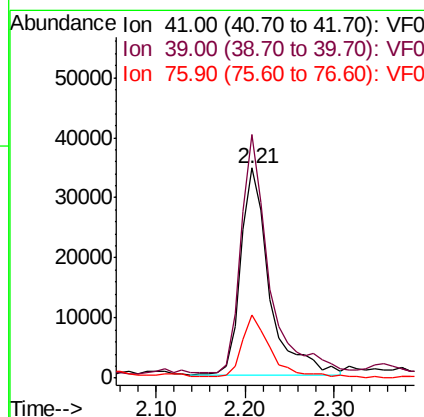
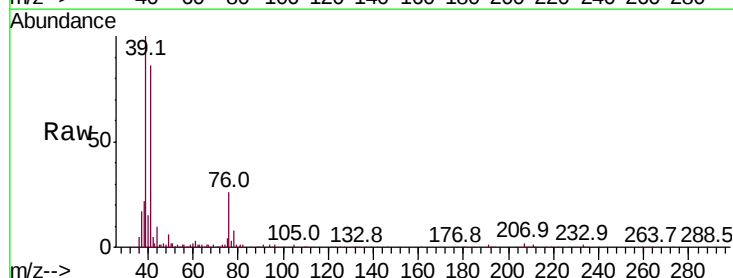
Manual Integrations
APPROVED

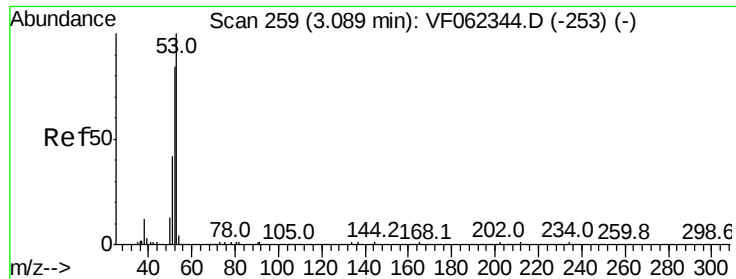
MMDadoda
5/13/2019 12:25:53 PM



#14
Allyl chloride
Concen: 34.969 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	41	Resp	77085
Ion Ratio	100	Lower	Upper
39	114.9	90.8	136.2
76	29.8	22.2	33.4





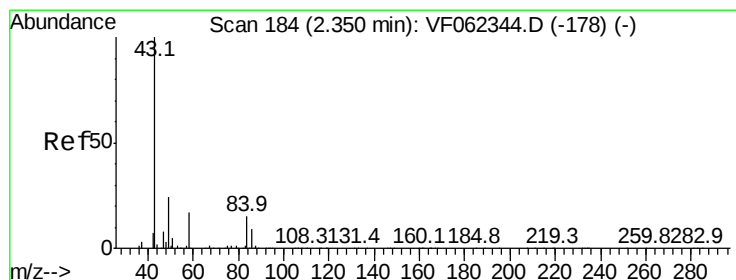
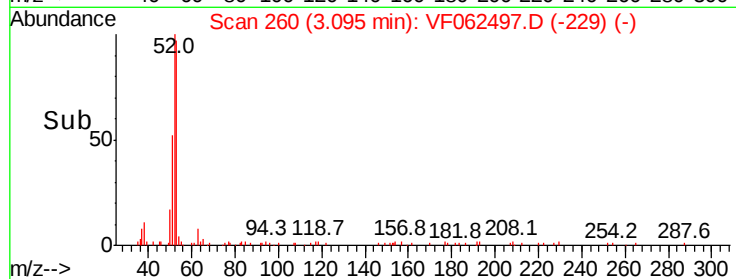
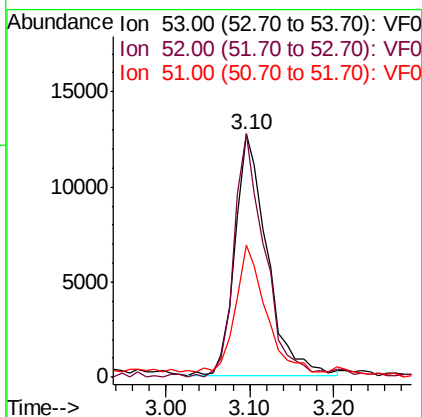
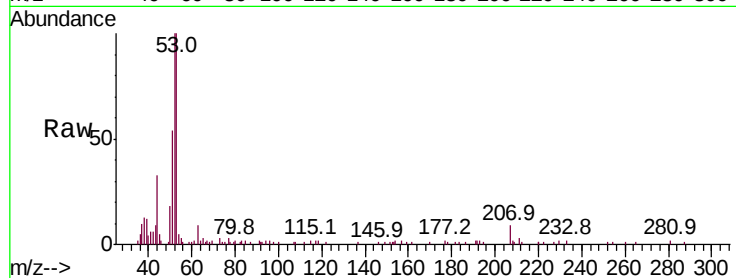
#15
Acrylonitrile
Concen: 102.449 ug/l
RT: 3.10 min Scan# 260
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	97.4	77.2	115.8
51	53.1	40.6	61.0

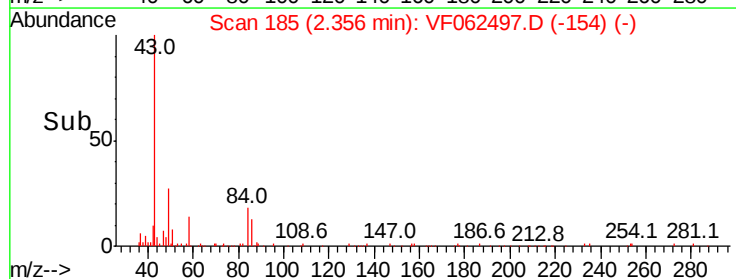
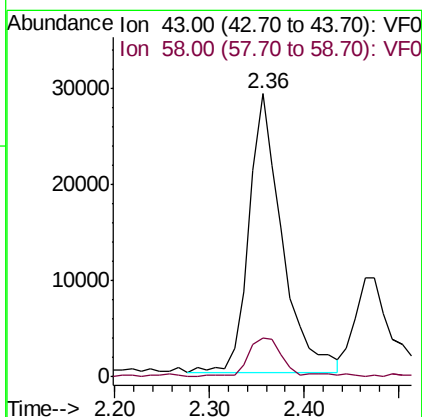
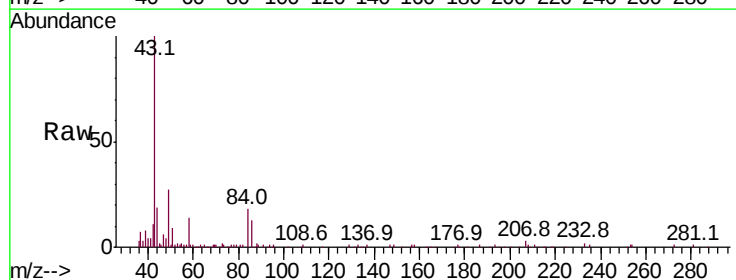
Manual Integrations
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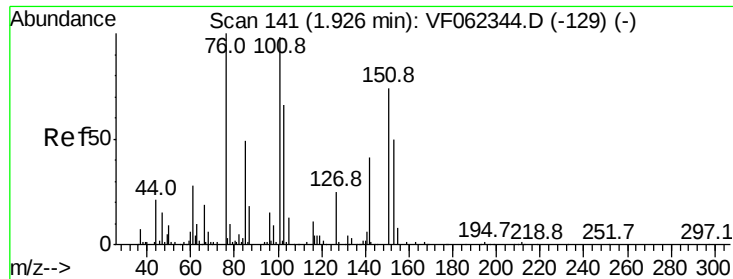
MMDadoda
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#16
Acetone
Concen: 113.492 ug/l
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	13.8	13.1	19.7





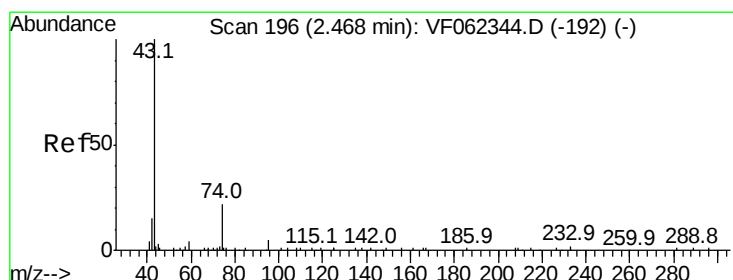
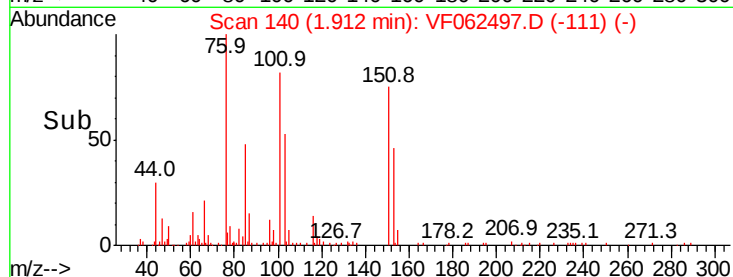
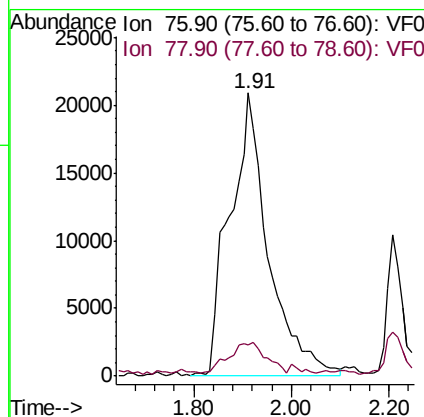
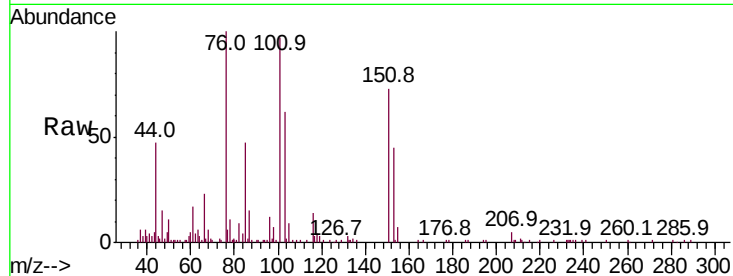
#17
Carbon Disulfide
Concen: 21.195 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion: 76 Resp: 115326
Ion Ratio Lower Upper
76 100
78 9.4 9.0 13.4

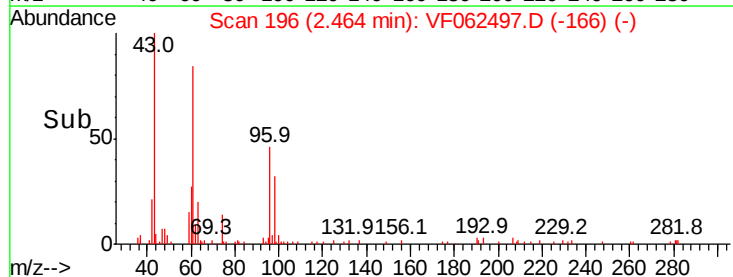
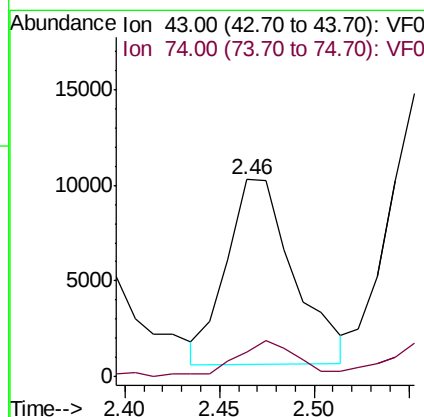
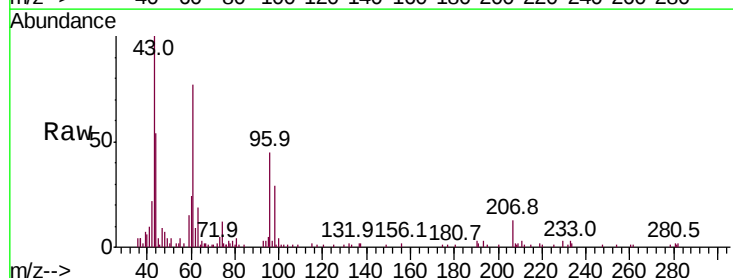
Manual Integrations
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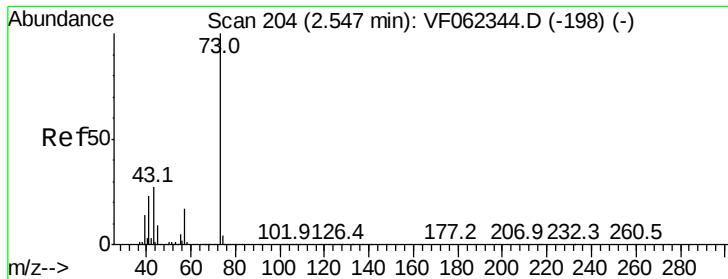
MMDadoda
5/13/2019 12:25:53 PM



#18
Methyl Acetate
Concen: 19.066 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion: 43 Resp: 23834
Ion Ratio Lower Upper
43 100
74 18.3 15.0 22.4





#19

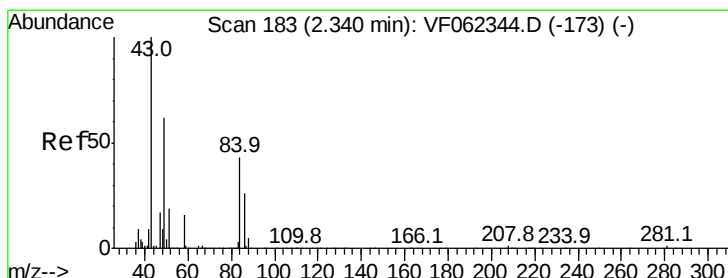
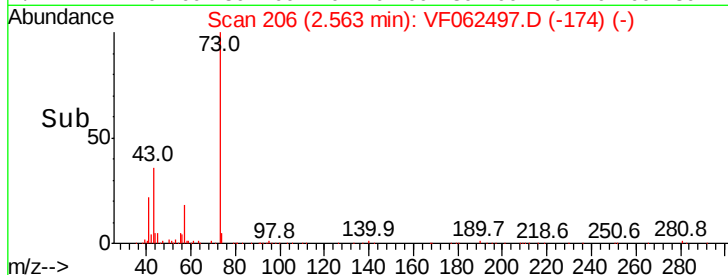
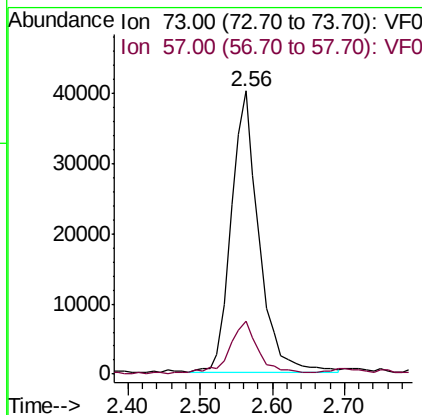
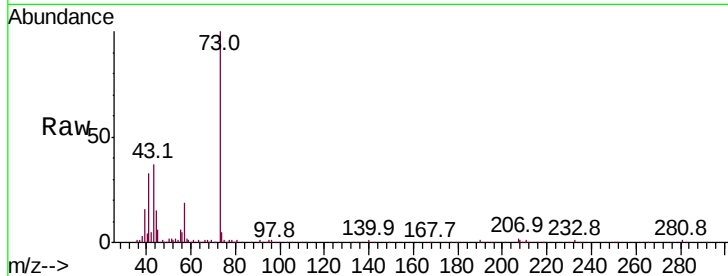
Methyl tert-butyl Ether
 Concen: 20.667 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	13.7	20.5

Manual Integrations
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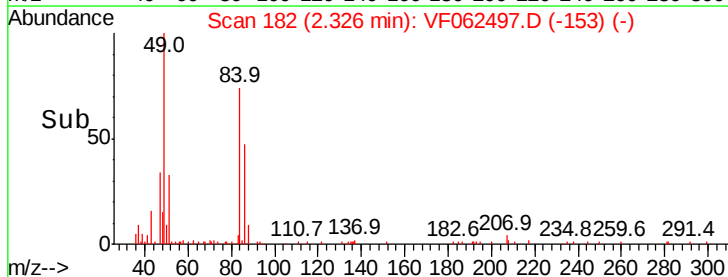
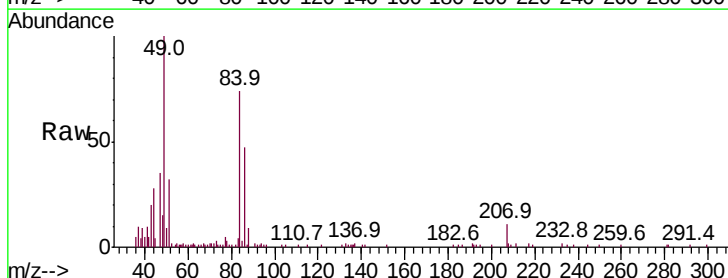
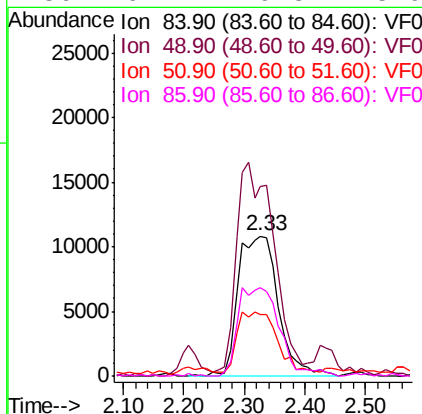
MMDadoda
 5/13/2019 12:25:53 PM

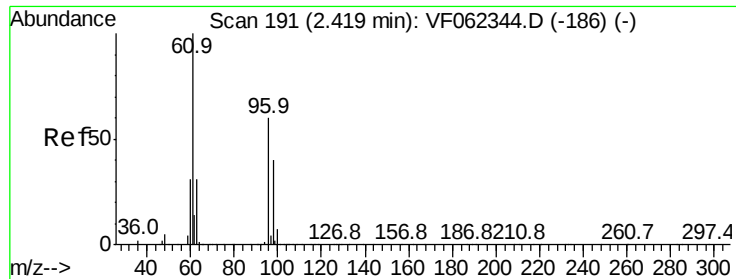


#20

Methylene Chloride
 Concen: 22.087 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.01 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
84	100		
49	128.4	117.5	176.3
51	39.2	37.0	55.4
86	62.4	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 23.056 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

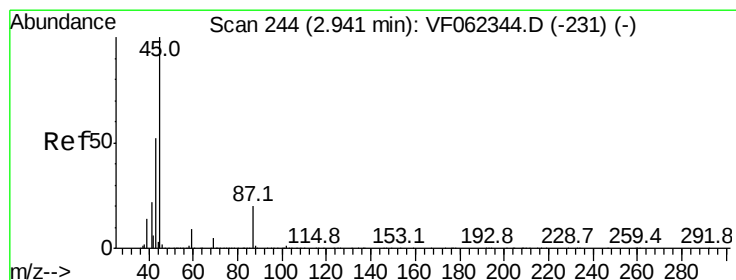
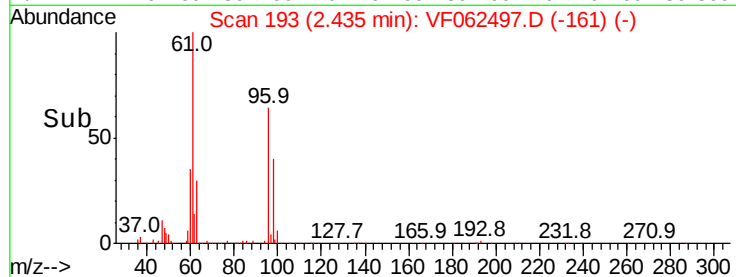
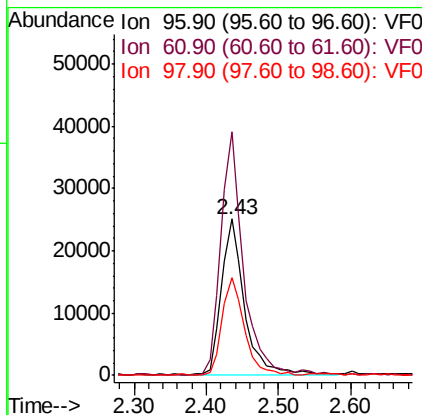
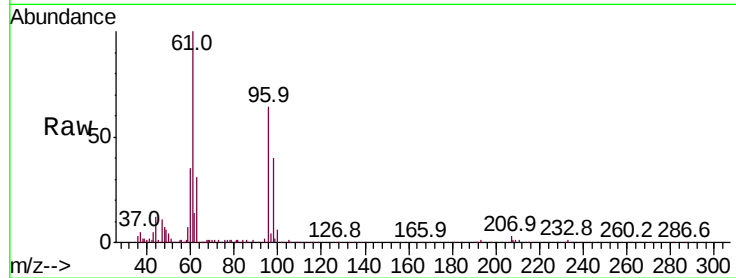
ClientSampleId :

VF0512SBS01

Tot Ion:	96	Resp:	54816
Ion Ratio	Lower	Upper	
96	100		
61	156.2	133.2	199.8
98	62.3	53.1	79.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.235 ug/l

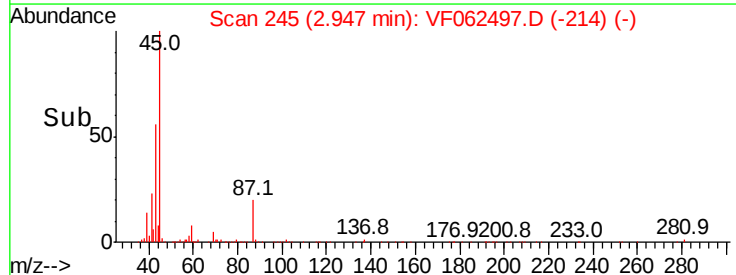
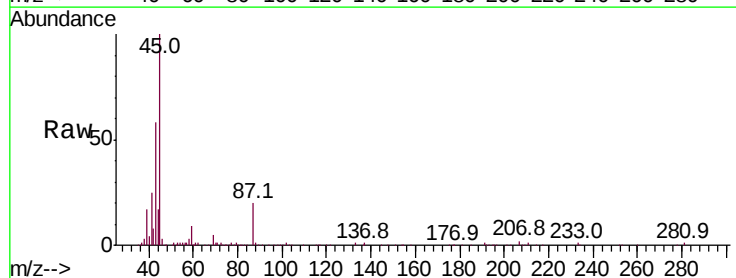
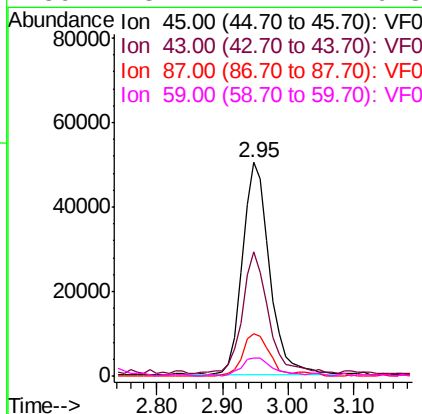
RT: 2.95 min Scan# 245

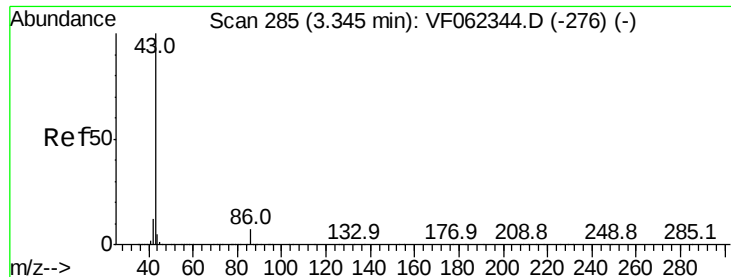
Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	45	Resp:	146301
Ion Ratio	Lower	Upper	
45	100		
43	57.2	41.4	62.0
87	20.1	15.8	23.6
59	8.4	7.2	10.8





#23

Vinyl Acetate

Concen: 107.597 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 43 Resp: 330388

Ion Ratio Lower Upper

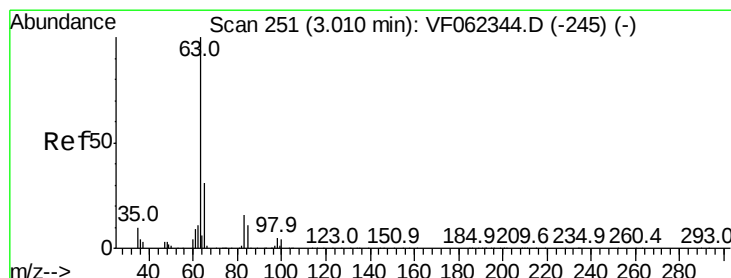
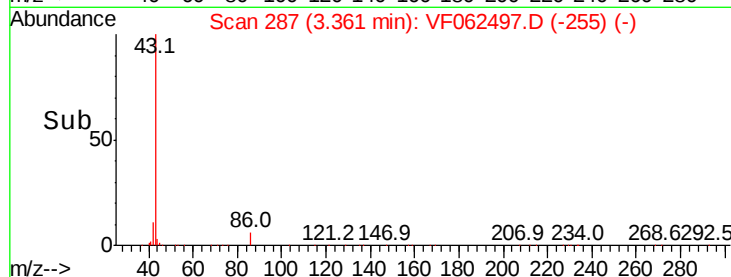
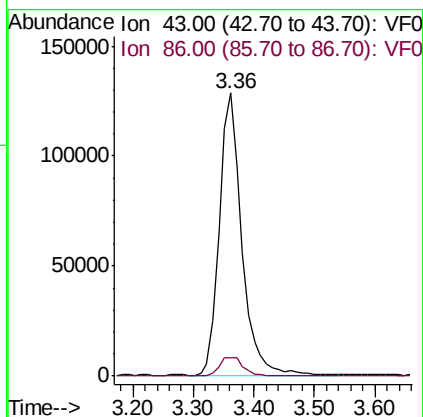
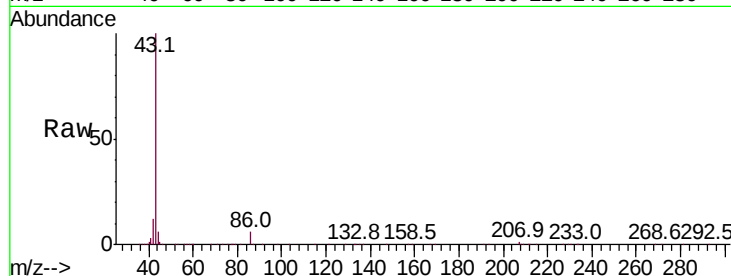
43 100

86 6.3 5.7 8.5

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 23.501 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

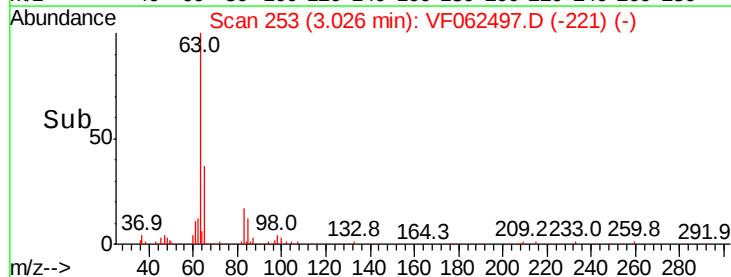
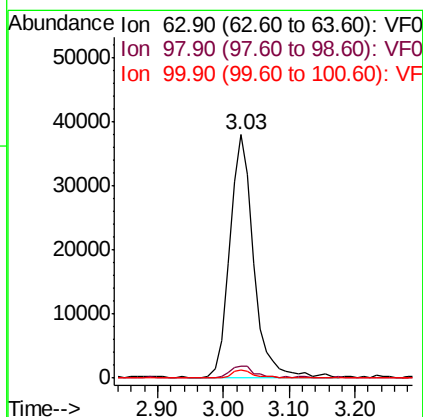
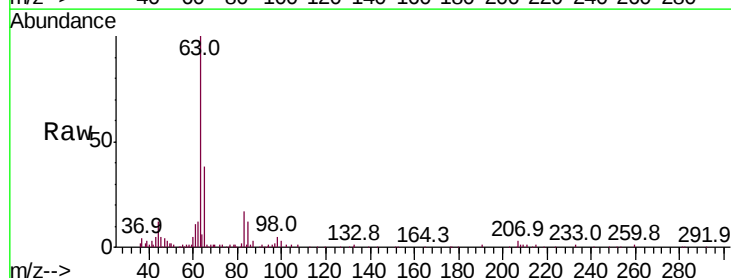
Tgt Ion: 63 Resp: 97857

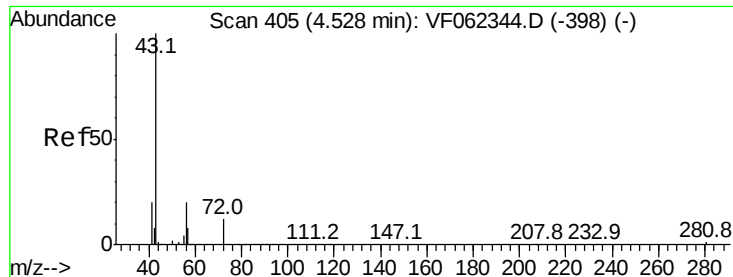
Ion Ratio Lower Upper

63 100

98 4.4 2.6 8.0

100 3.1 1.8 5.4





#25

2-Butanone

Concen: 103.656 ug/l

RT: 4.53 min Scan# 406

Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 43 Resp: 81032

Ion Ratio Lower Upper

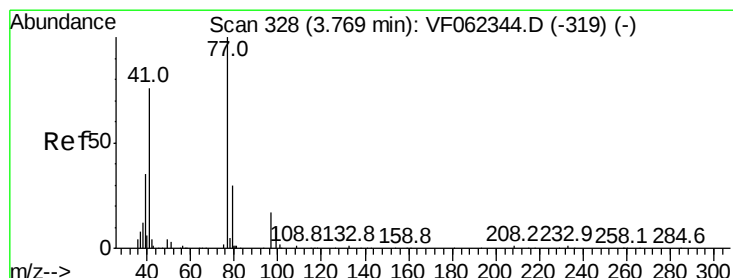
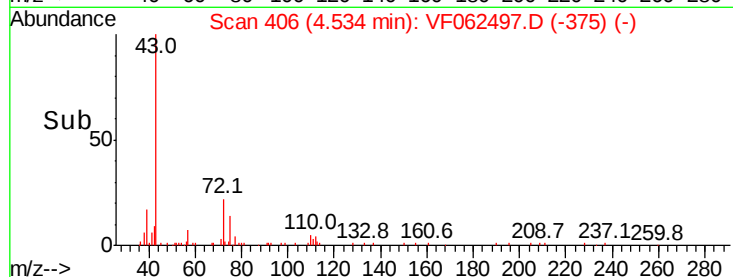
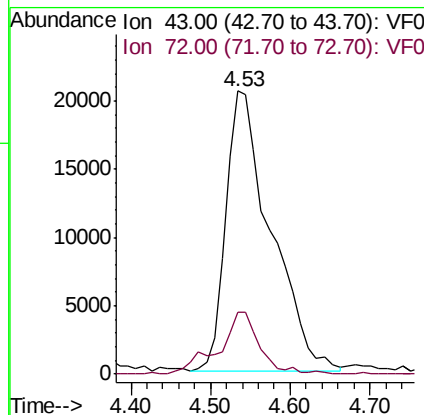
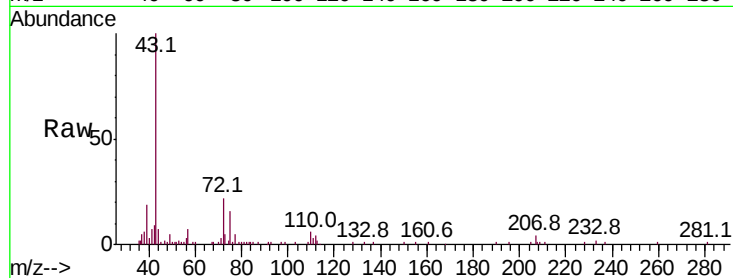
43 100

72 22.0 14.2 21.4#

Manual Integrations
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MMDadoda

5/13/2019 12:25:53 PM



#26

2,2-Dichloropropane

Concen: 29.305 ug/l

RT: 3.80 min Scan# 331

Delta R.T. 0.03 min

Lab File: VF062497.D

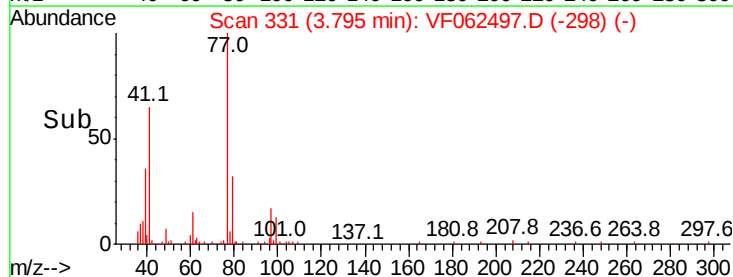
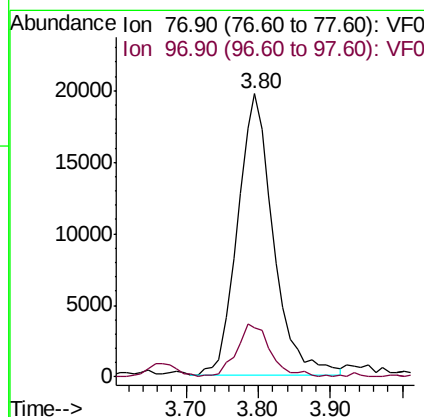
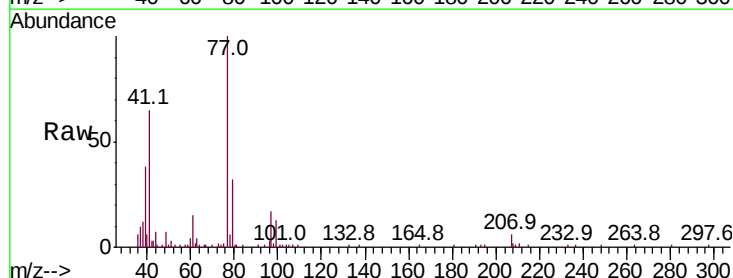
Acq: 12 May 2019 12:28

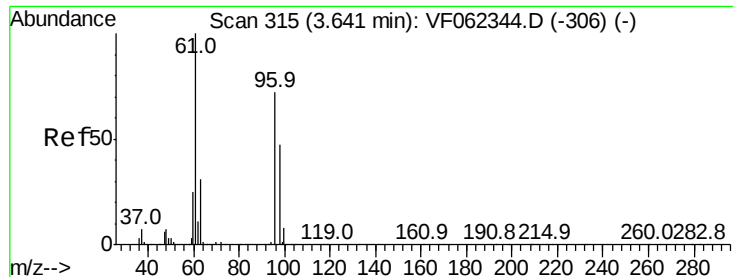
Tgt Ion: 77 Resp: 68144

Ion Ratio Lower Upper

77 100

97 18.0 9.5 28.5





#27

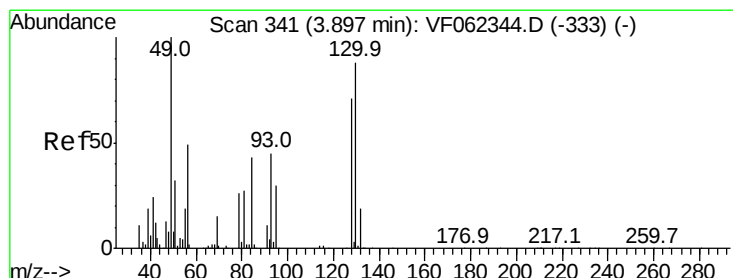
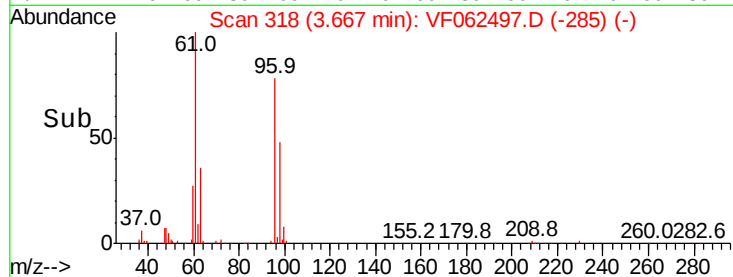
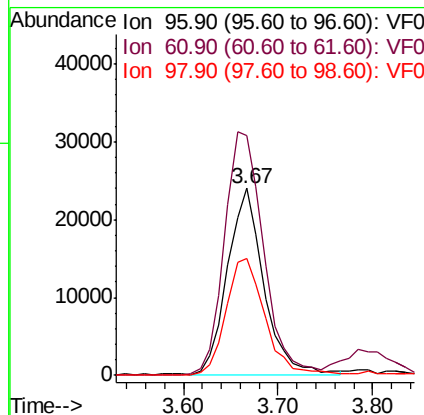
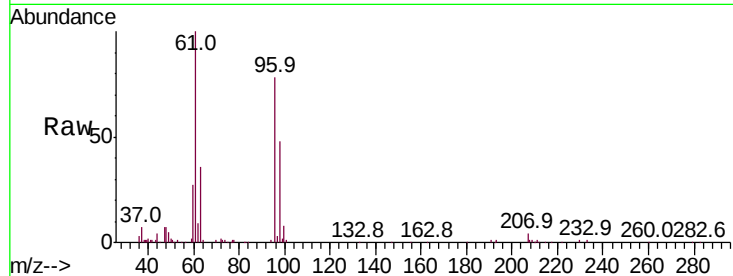
cis-1,2-Dichloroethene
Concen: 21.726 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	64570		
61	139.3	0.0	263.0	
98	66.1	0.0	130.8	

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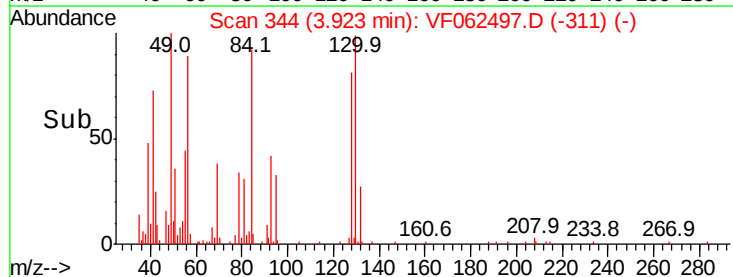
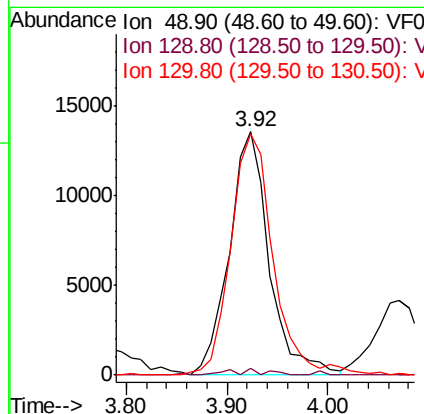
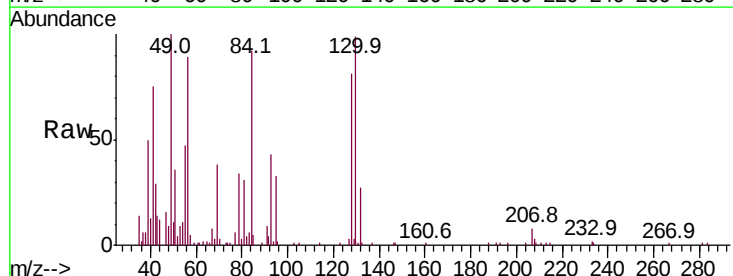
MMDadoda
5/13/2019 12:25:53 PM

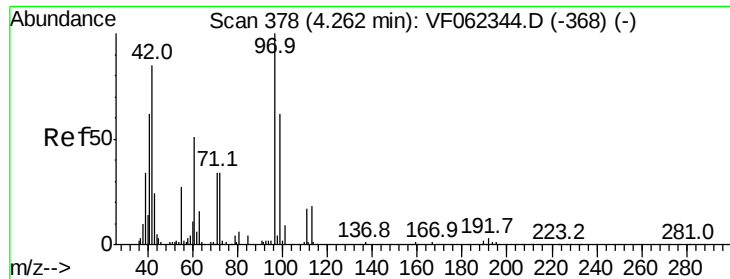


#28

Bromochloromethane
Concen: 19.767 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37329		
129	1.2	0.0	2.2	
130	106.0	79.4	119.0	





#29

Tetrahydrofuran

Concen: 95.323 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

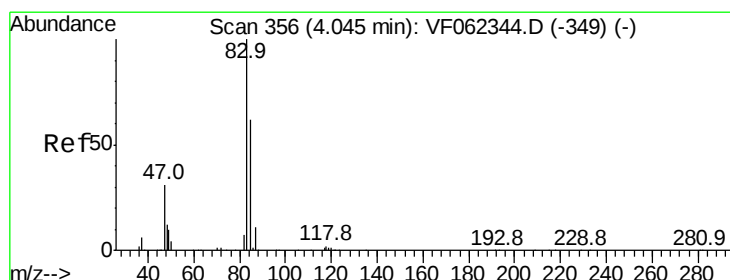
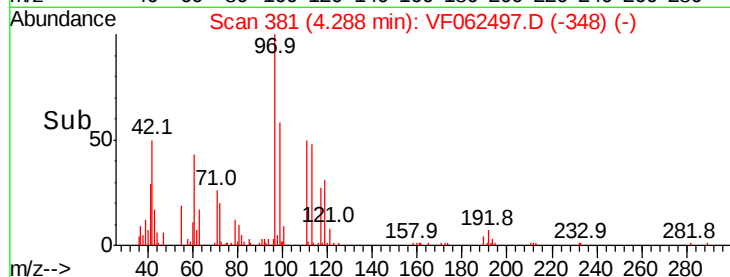
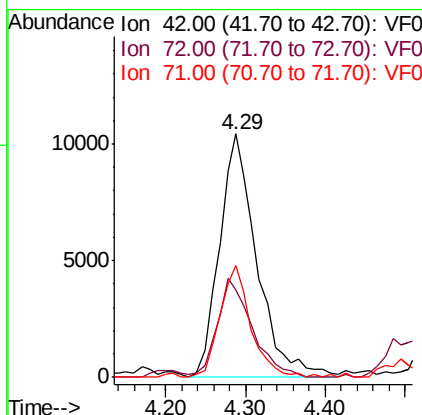
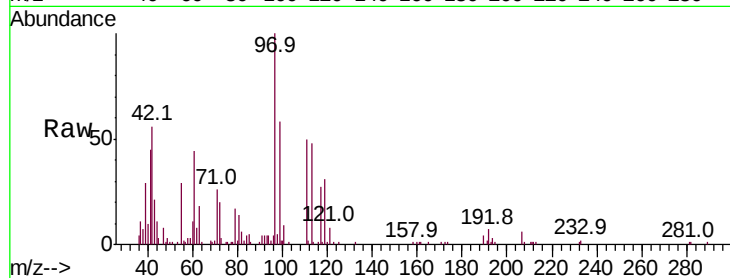
ClientSampleId :

VF0512SBS01

Tot Ion:	42	Resp:	34248
Ion Ratio	Lower	Upper	
42	100		
72	38.1	31.4	47.0
71	38.1	31.7	47.5

Manual Integrations
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#30

Chloroform

Concen: 23.745 ug/l

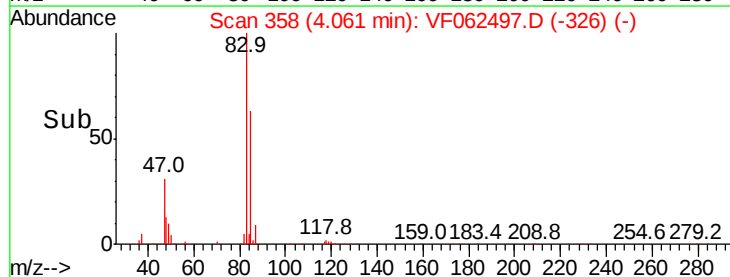
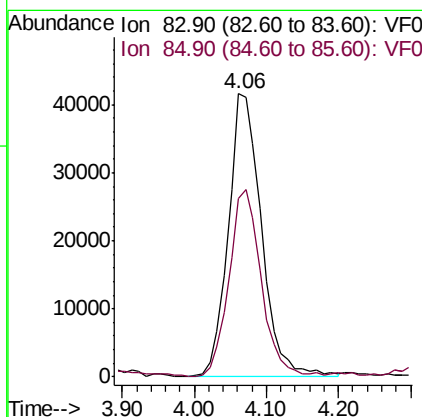
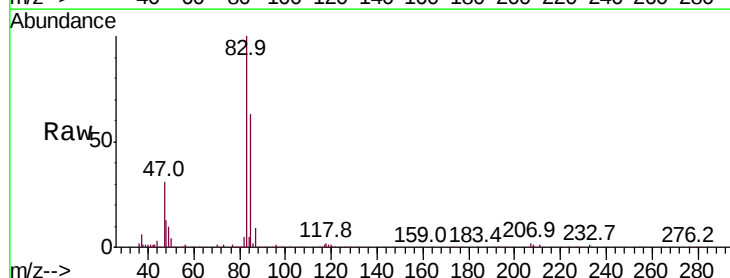
RT: 4.06 min Scan# 358

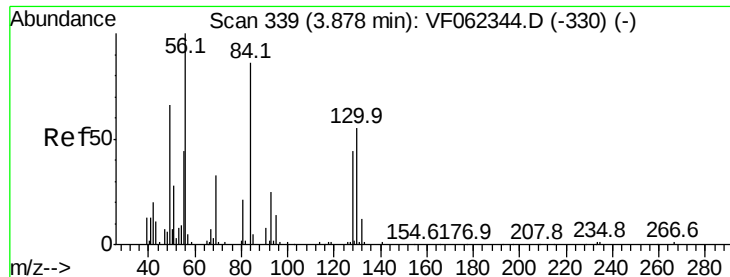
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	83	Resp:	133578
Ion Ratio	Lower	Upper	
83	100		
85	63.1	49.6	74.4





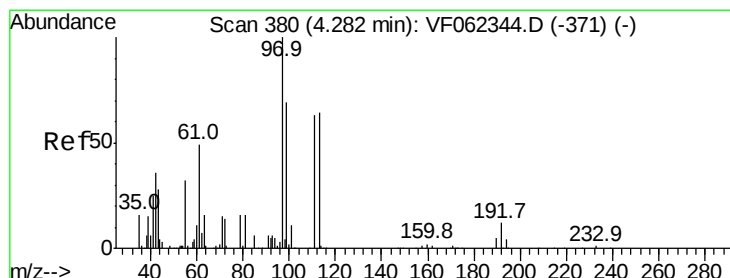
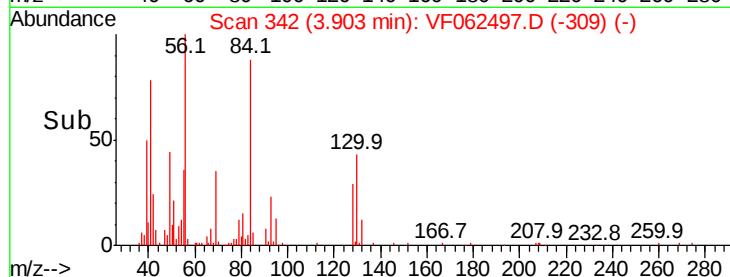
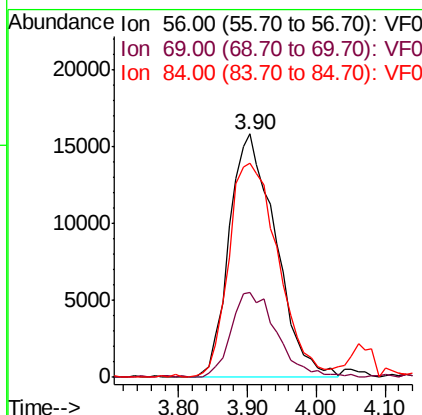
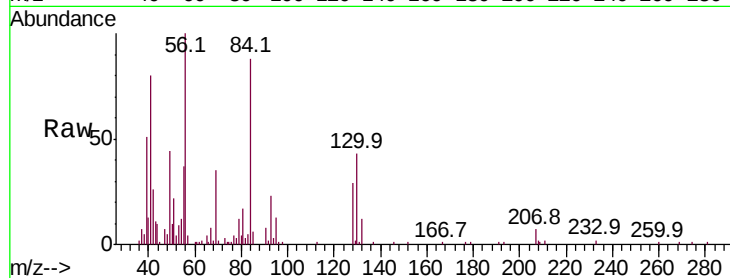
#31
Cvclohexane
Concen: 22.275 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	26.4	39.6
84	88.2	69.0	103.6

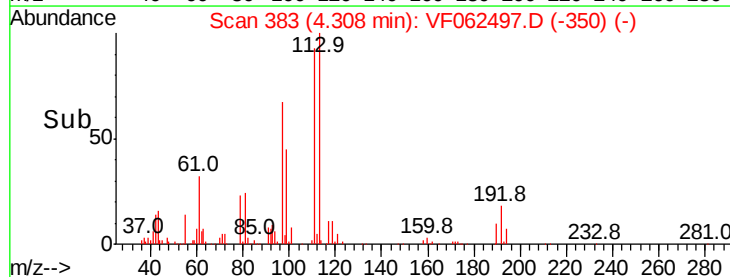
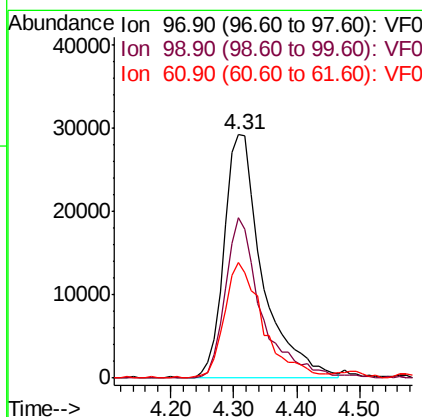
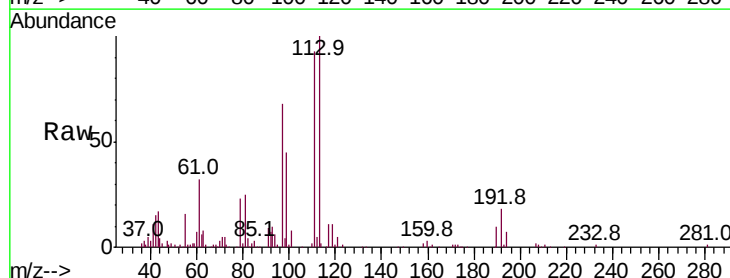
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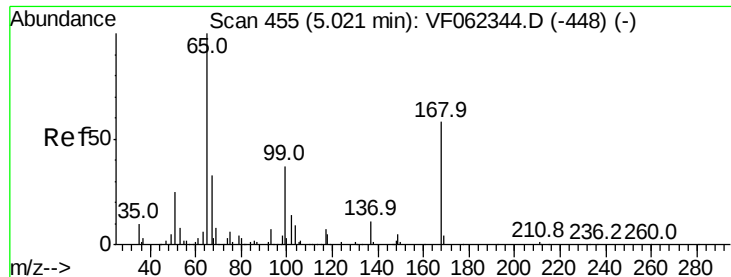
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#32
1,1,1-Trichloroethane
Concen: 25.426 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.6	52.6	78.8
61	48.4	39.4	59.0





#33

1,2-Dichloroethane-d4

Concen: 49.898 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tot Ion: 65 Resp: 153485

Ion Ratio Lower Upper

65 100

67 47.6 0.0 85.8

Instrument :

MSVOA_F

ClientSampleId :

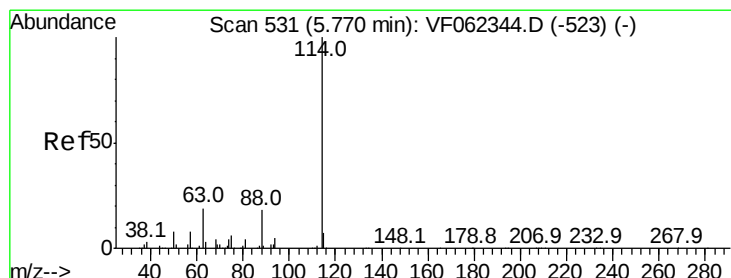
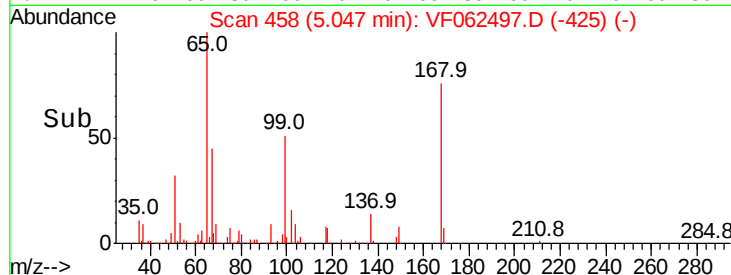
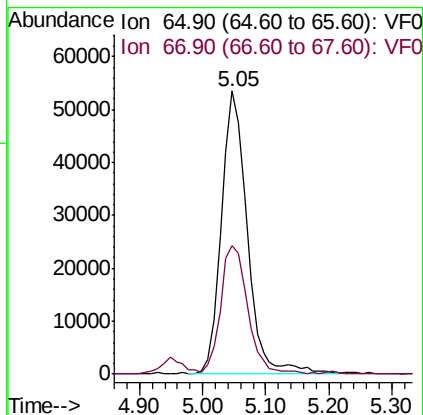
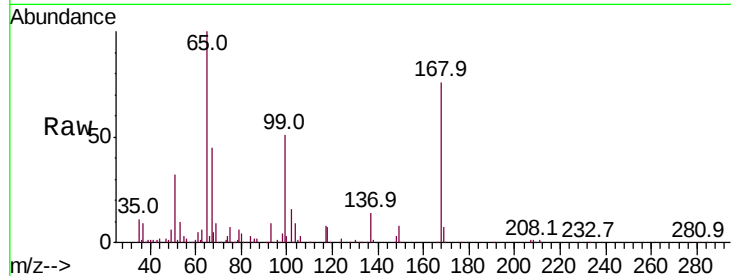
VF0512SBS01

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

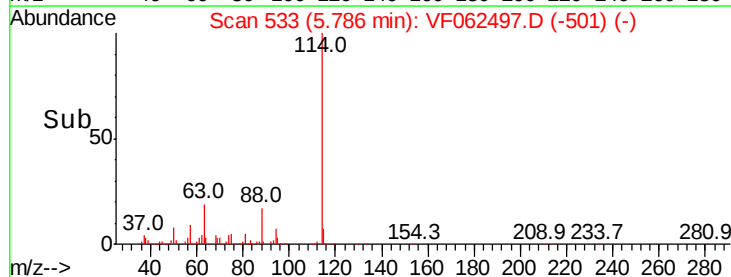
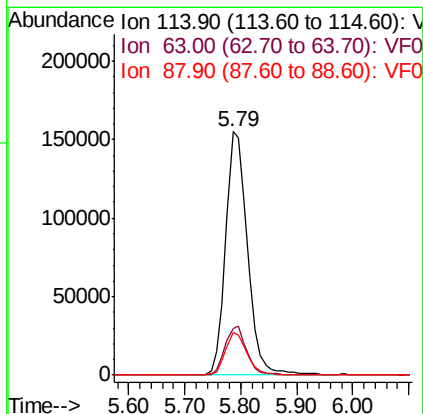
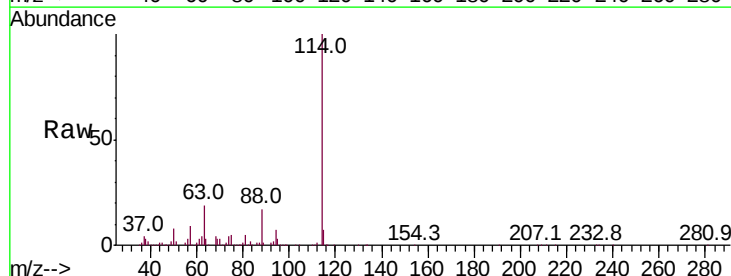
Tgt Ion: 114 Resp: 421894

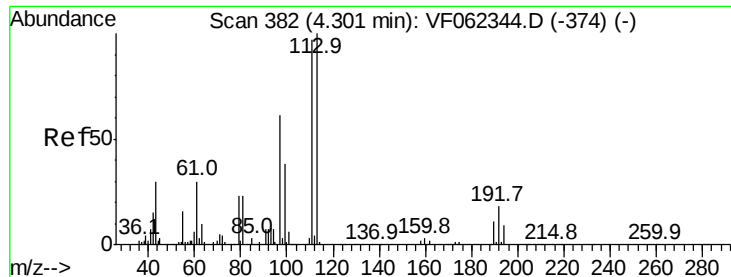
Ion Ratio Lower Upper

114 100

63 19.0 0.0 37.4

88 17.4 0.0 36.4





#35

Dibromofluoromethane

Concen: 54.459 ug/l

RT: 4.33 min Scan# 385

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

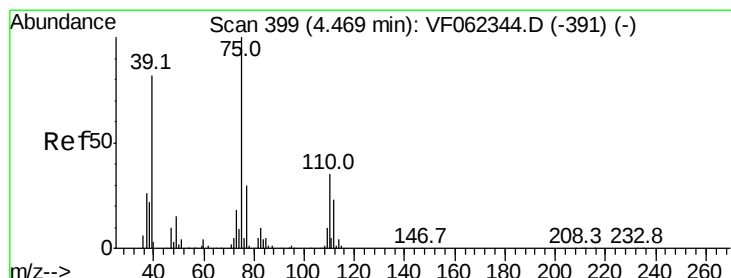
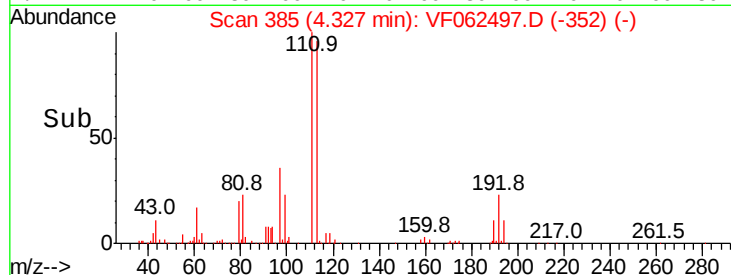
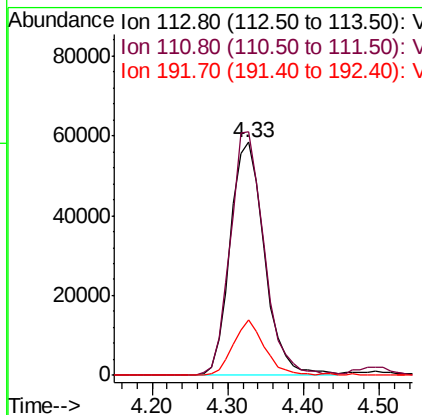
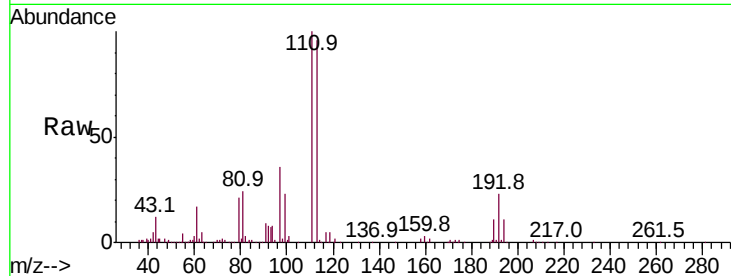
ClientSampleId :

VF0512SBS01

Tot Ion:	113	Resp:	183047
Ion Ratio	Lower	Upper	
113	100		
111	103.2	79.4	119.0
192	21.6	16.0	24.0

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#36

1,1-Dichloropropene

Concen: 21.716 ug/l

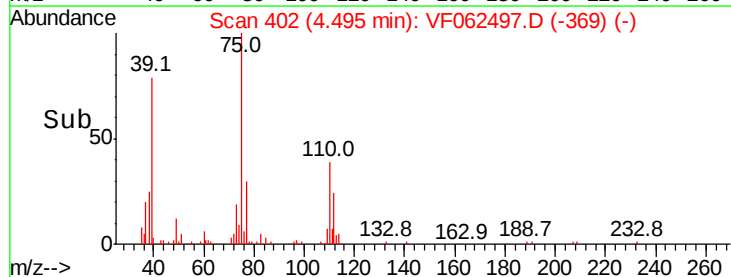
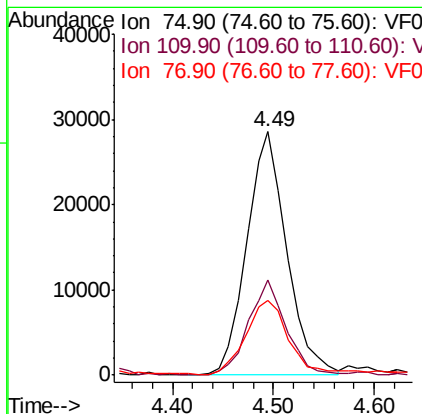
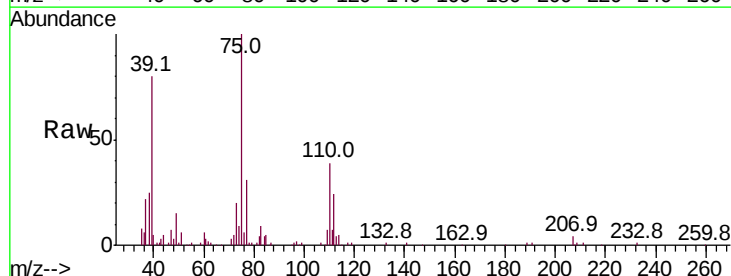
RT: 4.49 min Scan# 402

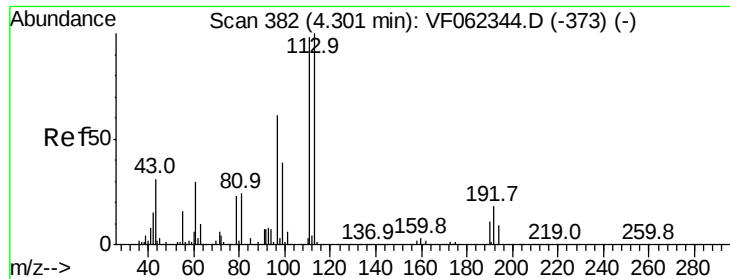
Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	75	Resp:	78702
Ion Ratio	Lower	Upper	
75	100		
110	36.9	17.2	51.5
77	32.1	25.2	37.8





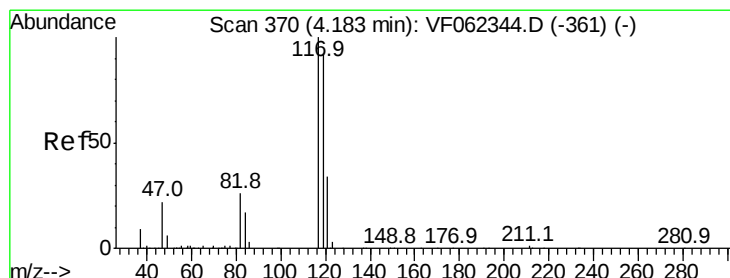
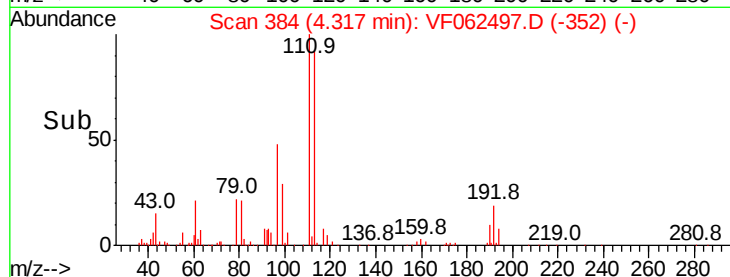
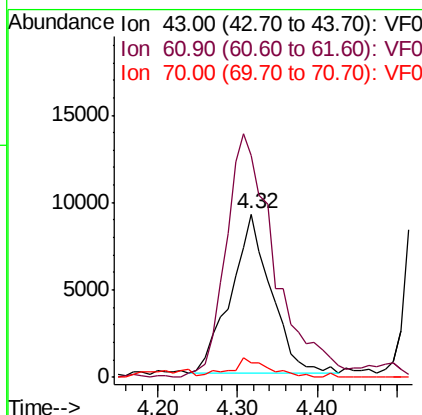
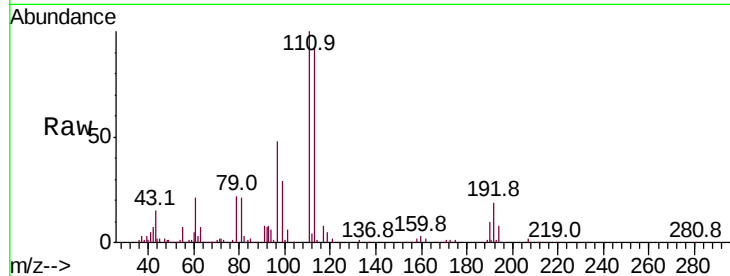
#37
Ethyl Acetate
Concen: 19.726 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	183.3	0.0	0.0#
70	11.1	8.2	12.2

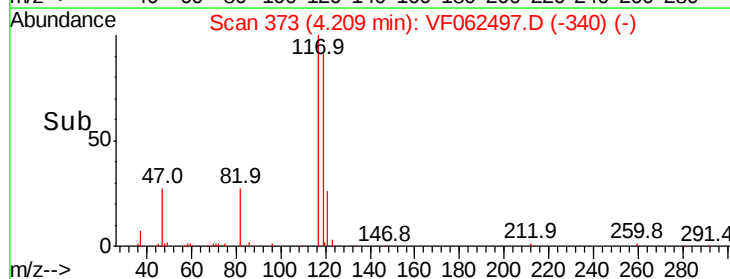
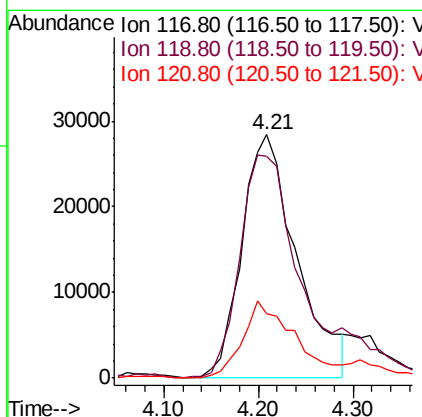
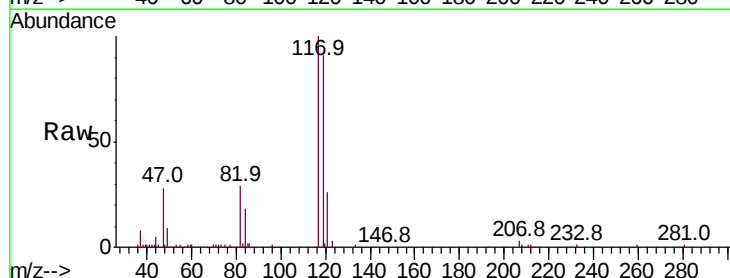
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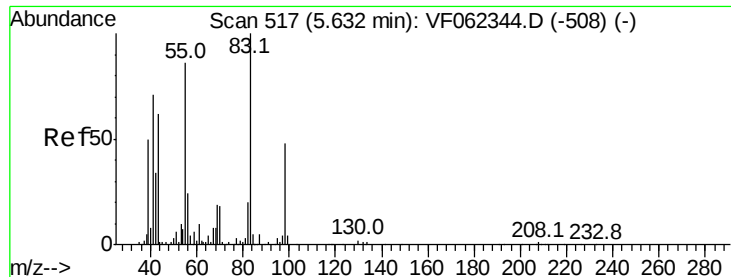
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#38
Carbon Tetrachloride
Concen: 29.209 ug/l m
RT: 4.21 min Scan# 373
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	73.4	110.2
121	26.2	27.4	41.0#





#39

Methvlcvclohexane

Concen: 21.059 ug/l

RT: 5.66 min Scan# 520

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

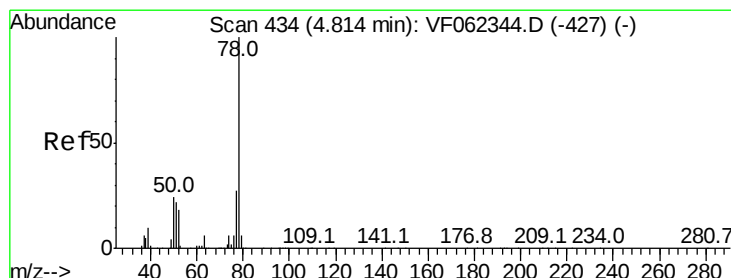
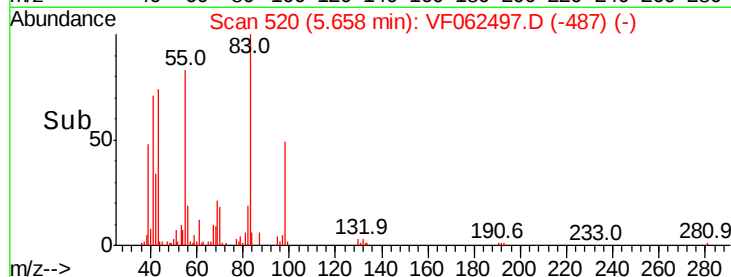
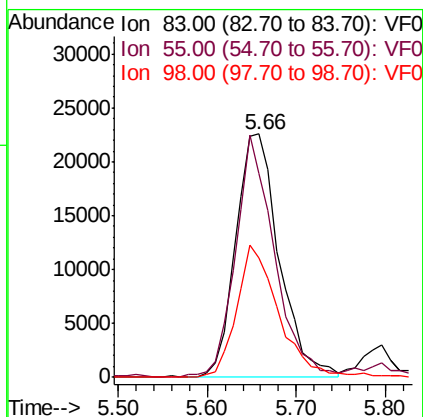
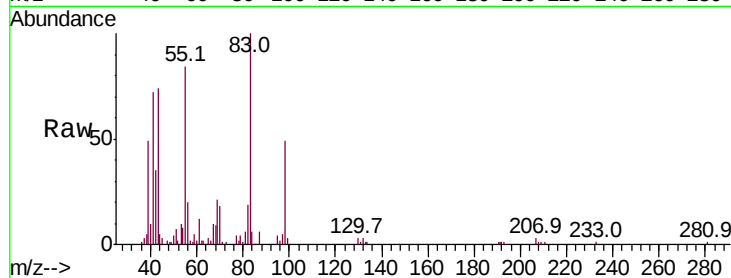
ClientSampleId :

VF0512SBS01

Tot Ion:	83	Resp:	76546
Ion	Ratio	Lower	Upper
83	100		
55	82.4	69.0	103.6
98	49.3	38.6	58.0

Manual Integrations
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#40

Benzene

Concen: 23.076 ug/l

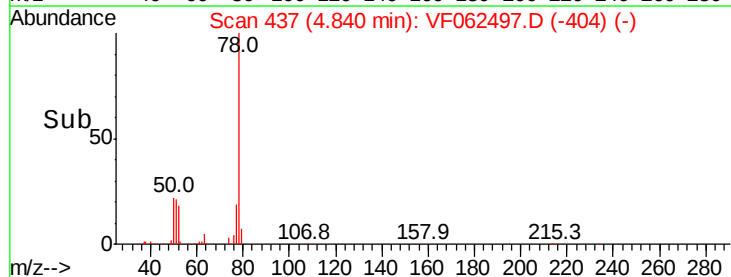
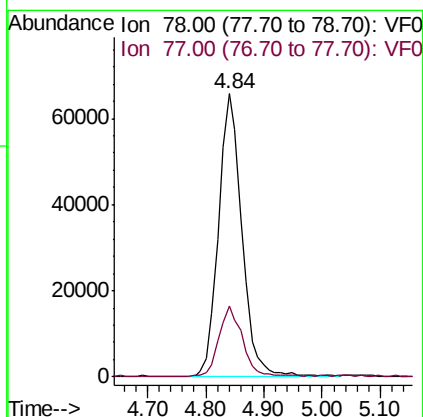
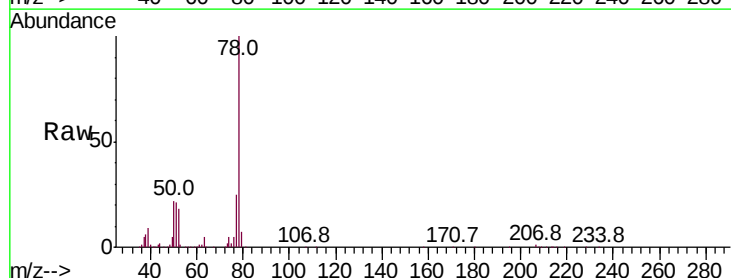
RT: 4.84 min Scan# 437

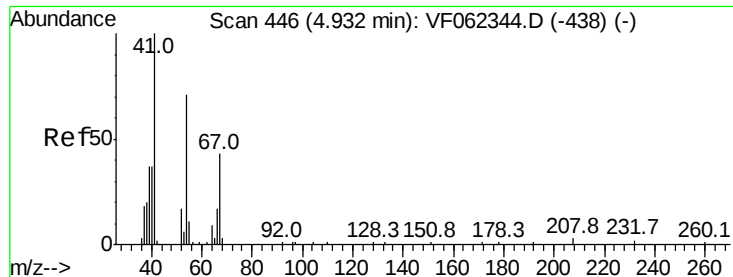
Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	78	Resp:	184167
Ion	Ratio	Lower	Upper
78	100		
77	24.9	21.6	32.4





#41

Methacrylonitrile

Concen: 17.951 ug/l

RT: 4.95 min Scan# 448

Delta R.T. 0.02 min

Lab File: VF062497.D

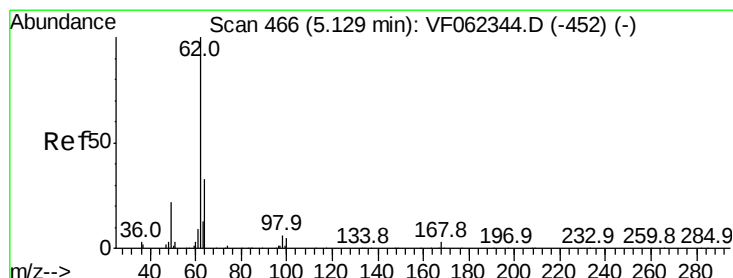
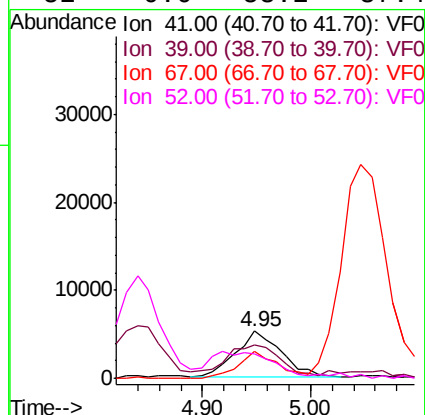
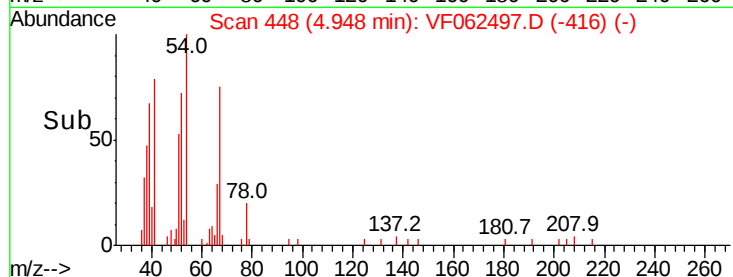
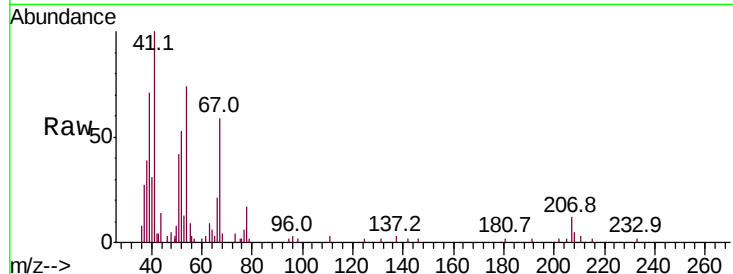
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.8	54.3	81.5#
67	49.9	37.8	56.8
52	0.0	58.2	87.4#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 23.241 ug/l

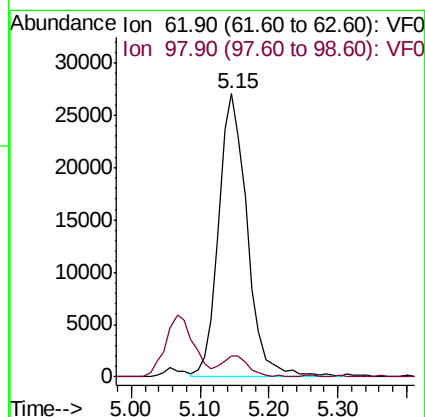
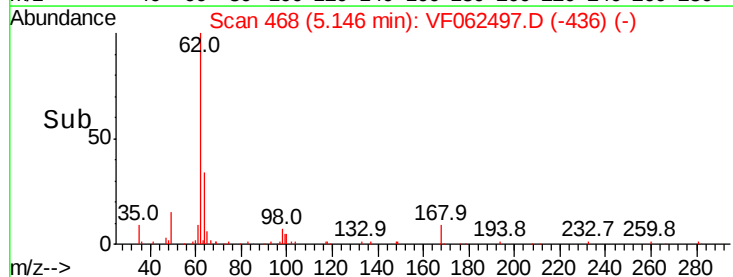
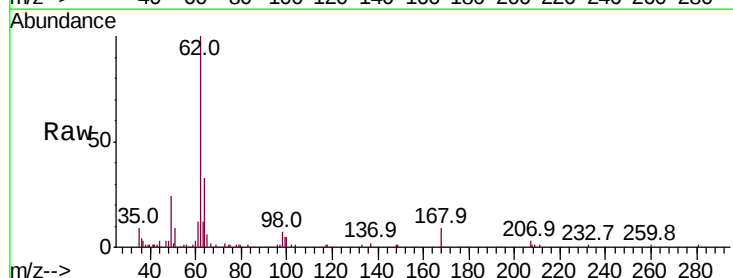
RT: 5.15 min Scan# 468

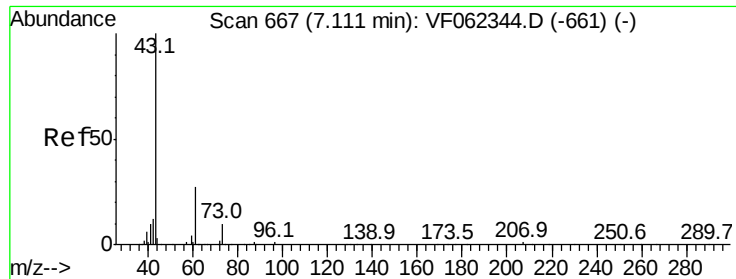
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.0	0.0	12.4





#43

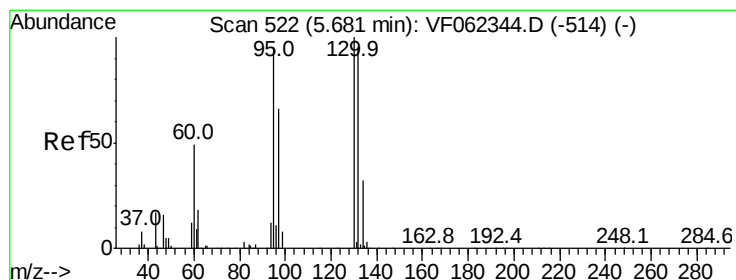
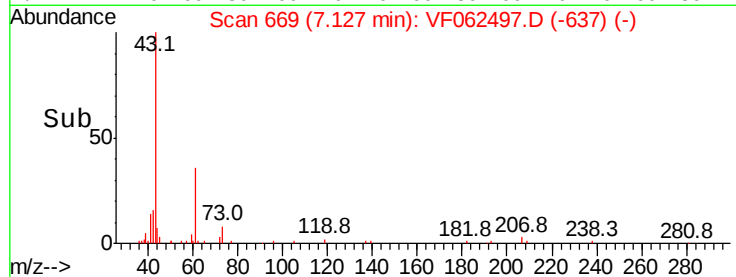
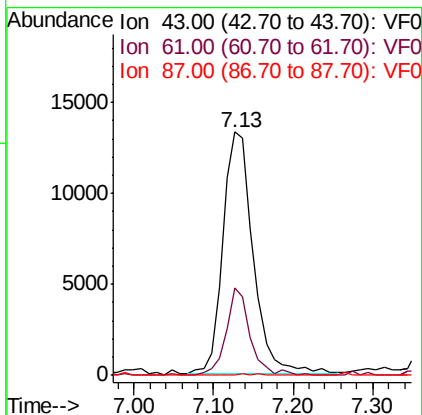
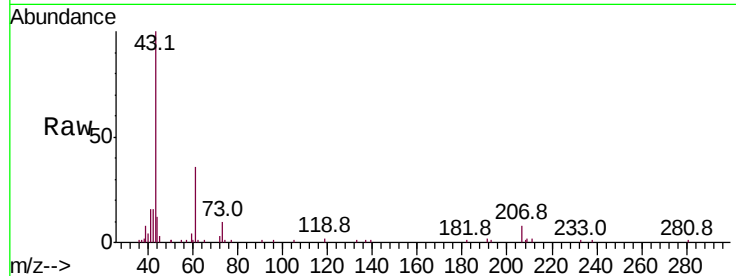
Isopropyl Acetate
 Concen: 21.424 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.8	22.8	34.2
87	0.4	0.6	1.0

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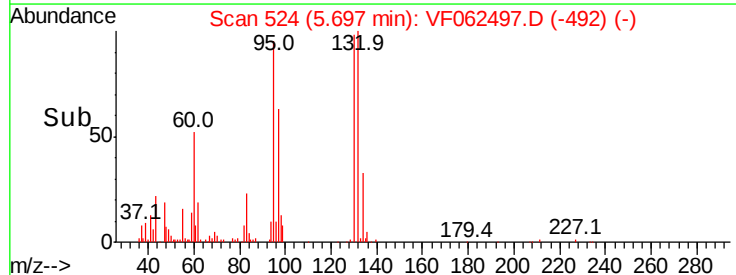
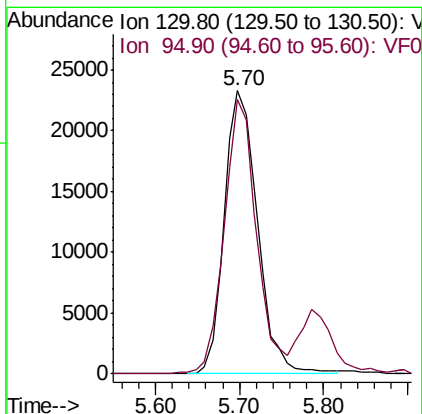
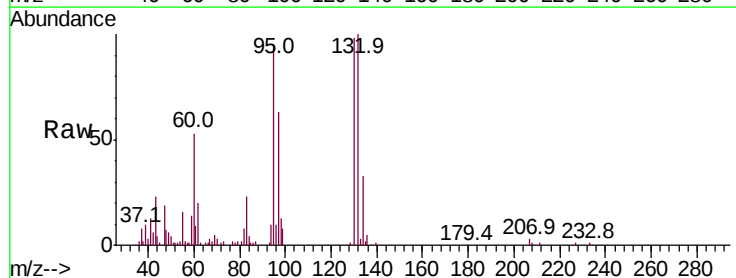
MMDadoda
 5/13/2019 12:25:53 PM

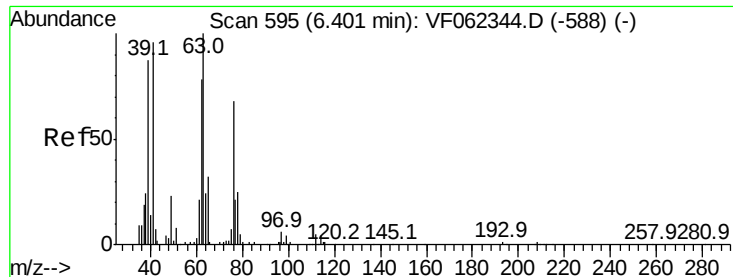


#44

Trichloroethene
 Concen: 21.837 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.6	0.0	189.0





#45

1,2-Dichloropropane

Concen: 21.179 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 63 Resp: 38284

Ion Ratio Lower Upper

63 100

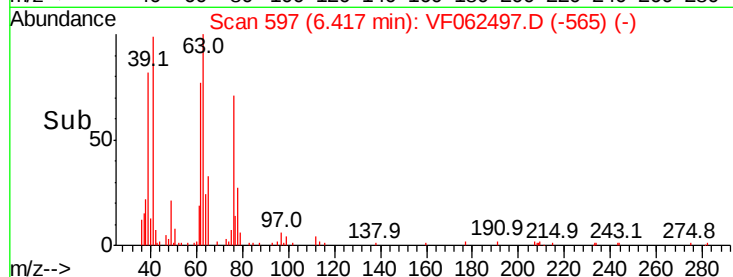
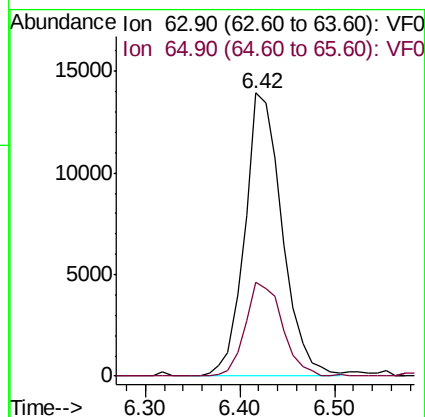
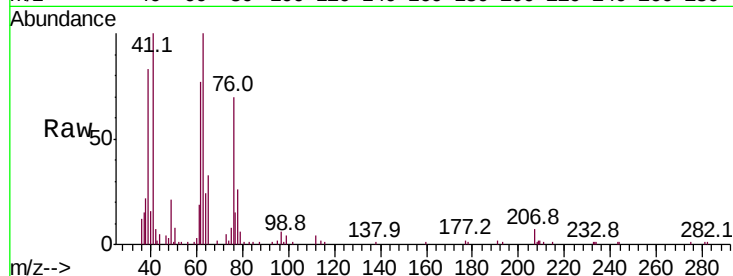
65 33.2 25.6 38.4

Manual Integrations

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#46

Dibromomethane

Concen: 23.432 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

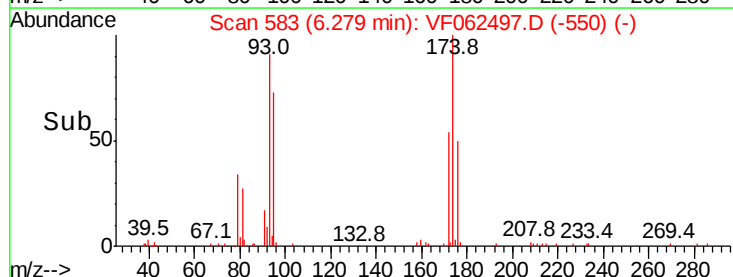
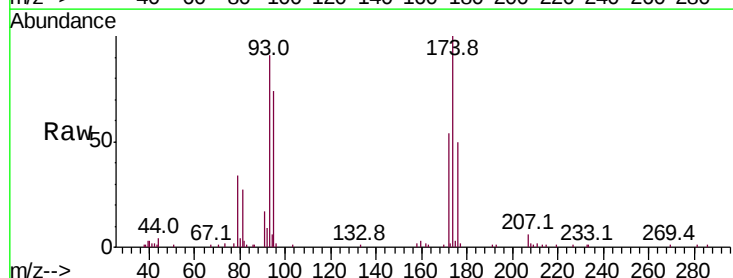
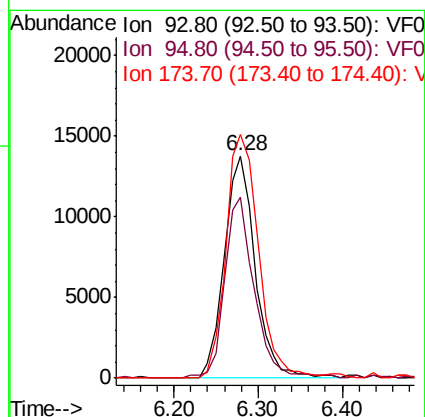
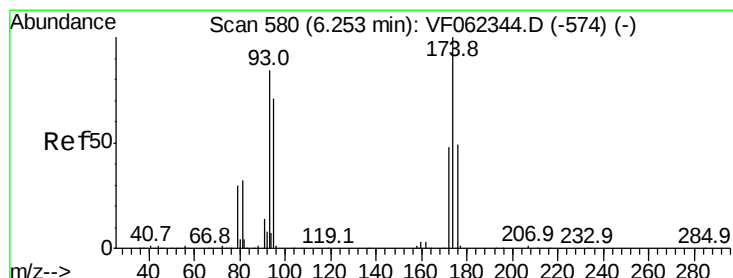
Tgt Ion: 93 Resp: 35120

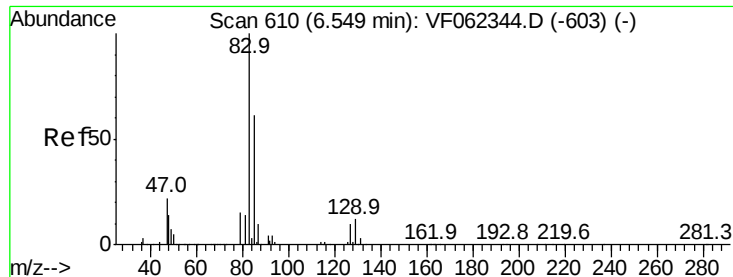
Ion Ratio Lower Upper

93 100

95 78.3 68.4 102.6

174 115.1 99.6 149.4





#47

Bromodichloromethane

Concen: 23.677 ug/l

RT: 6.56 min Scan# 612

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

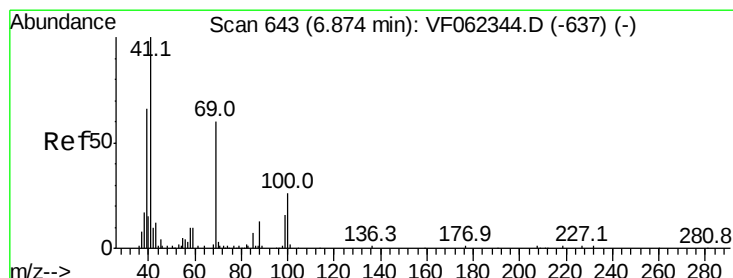
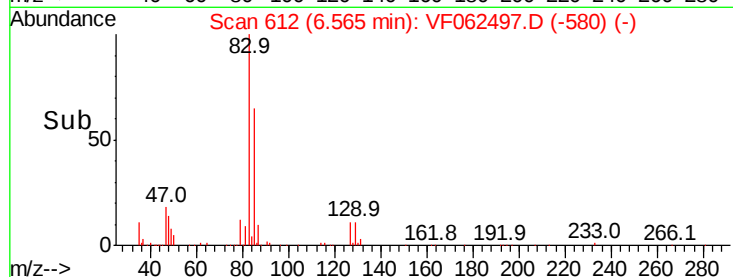
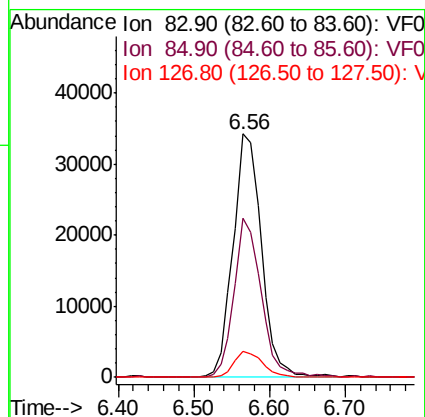
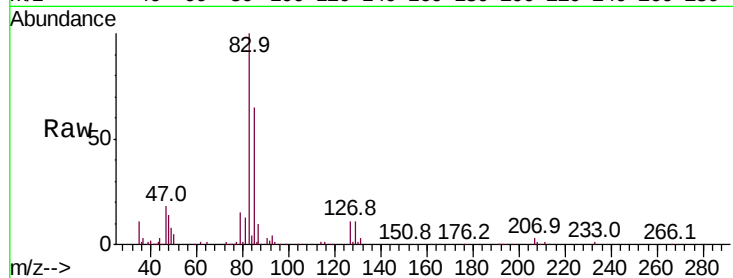
ClientSampleId :

VF0512SBS01

Tot Ion:	83	Resp:	88722
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.1	73.7
127	10.6	7.8	11.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.479 ug/l

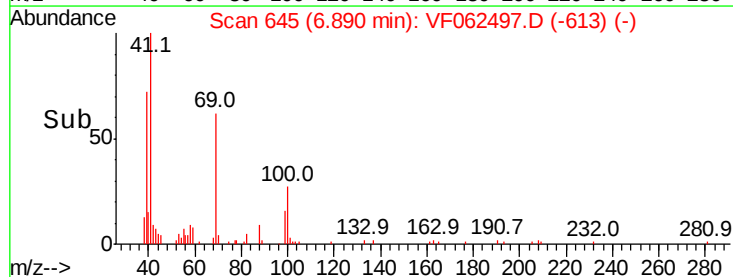
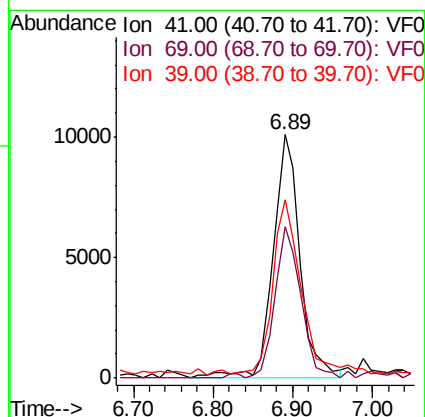
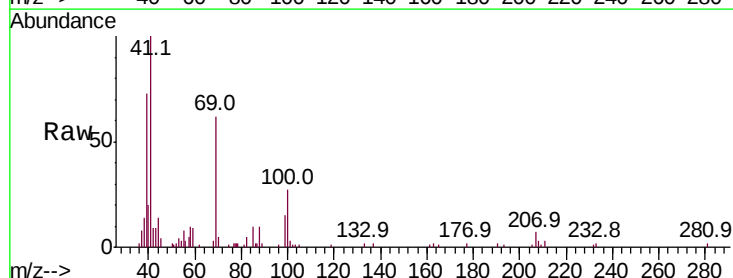
RT: 6.89 min Scan# 645

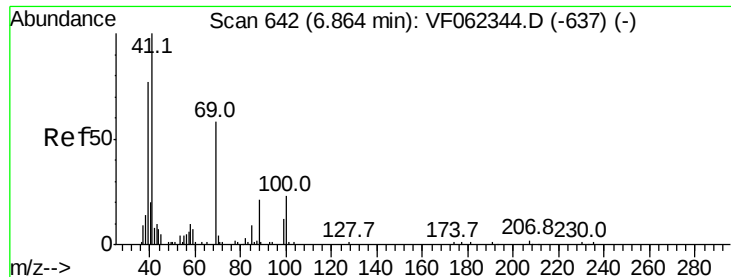
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	41	Resp:	23857
Ion Ratio	Lower	Upper	
41	100		
69	59.6	48.6	72.8
39	76.5	56.1	84.1





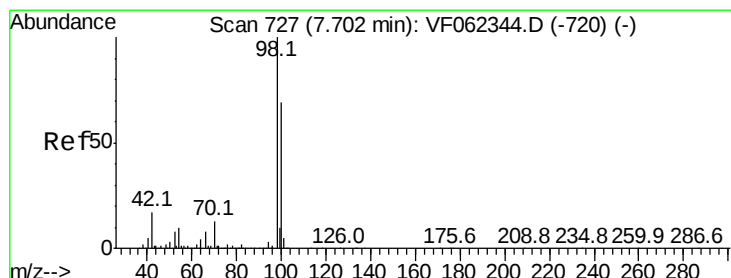
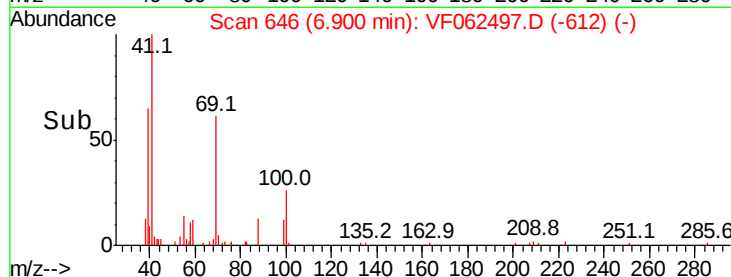
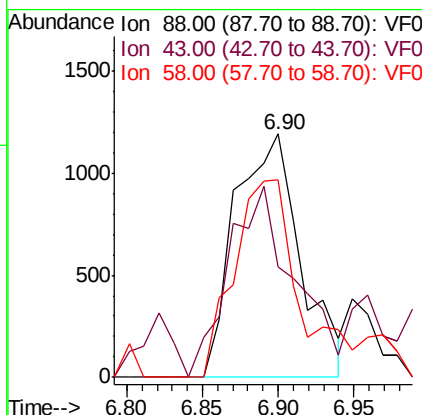
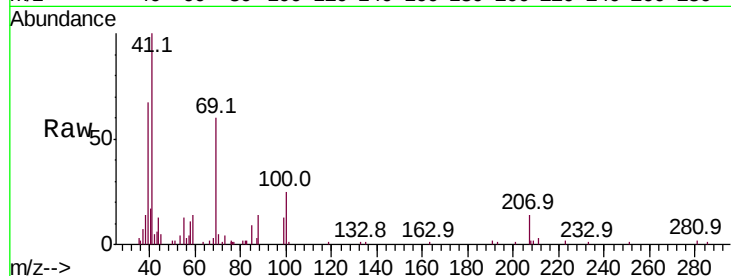
#49
1,4-Dioxane
Concen: 290.866 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.04 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	78.8	55.6	83.4
58	80.7	52.8	79.2

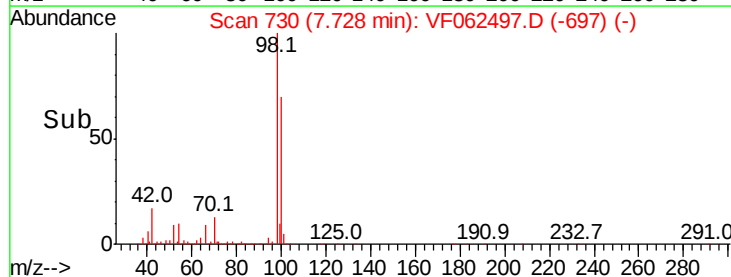
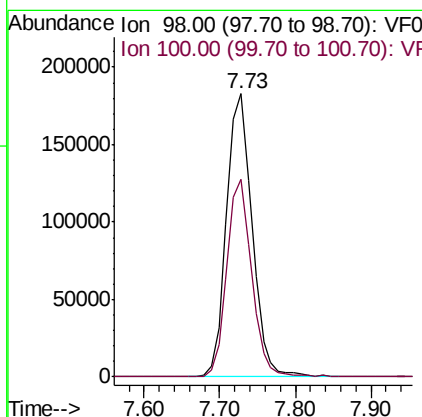
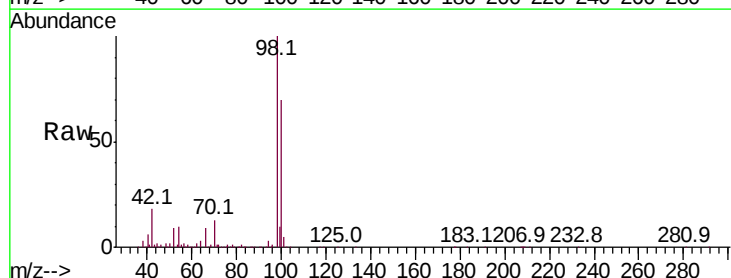
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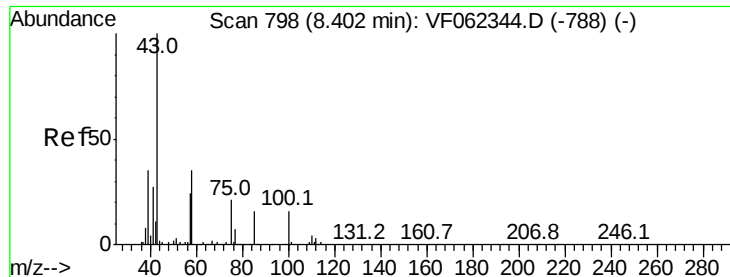
MMDadoda
5/13/2019 12:25:53 PM



#50
Toluene-d8
Concen: 52.812 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.8	53.3	79.9





#51

4-Methyl-2-Pentanone

Concen: 109.883 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tot Ion: 43 Resp: 137258

Ion Ratio Lower Upper

43 100

58 34.2 27.8 41.6

Instrument :

MSVOA_F

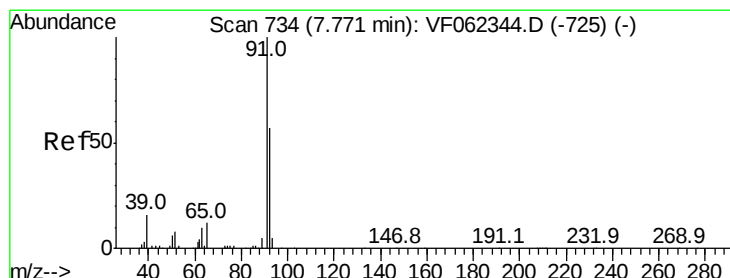
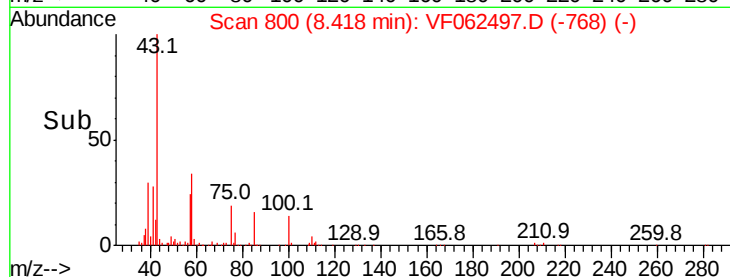
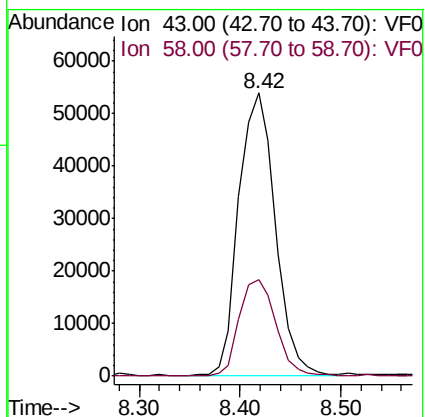
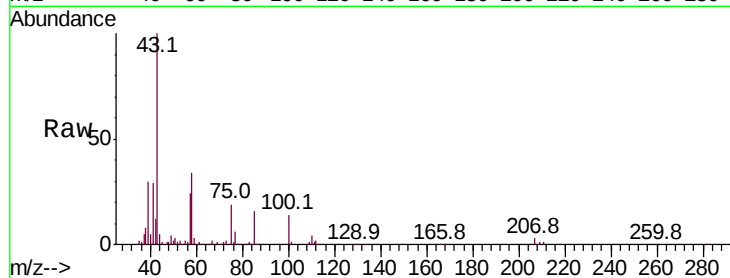
ClientSampleId :

VF0512SBS01

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#52

Toluene

Concen: 23.645 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.03 min

Lab File: VF062497.D

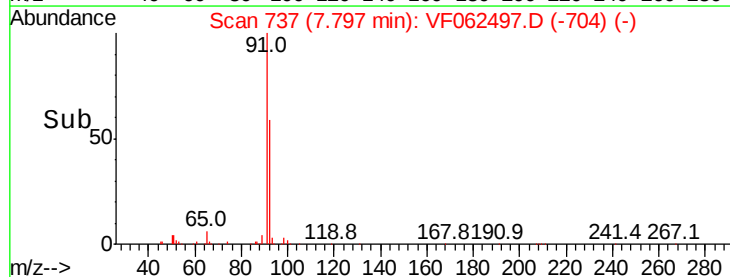
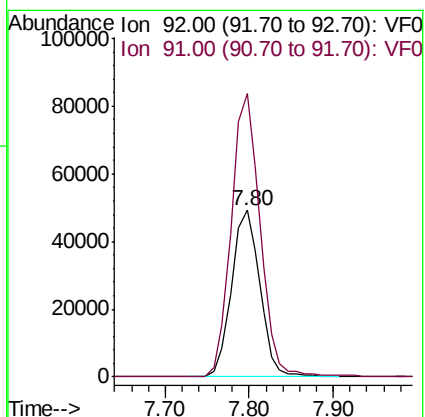
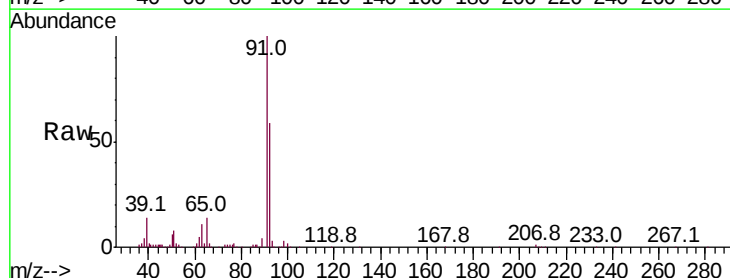
Acq: 12 May 2019 12:28

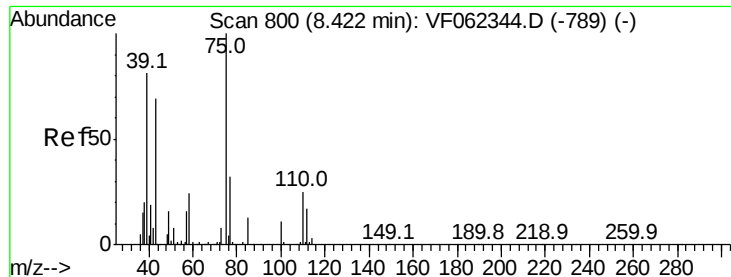
Tgt Ion: 92 Resp: 116413

Ion Ratio Lower Upper

92 100

91 171.5 138.7 208.1





#53

t-1,3-Dichloropropene

Concen: 23.525 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 75 Resp: 66674

Ion Ratio Lower Upper

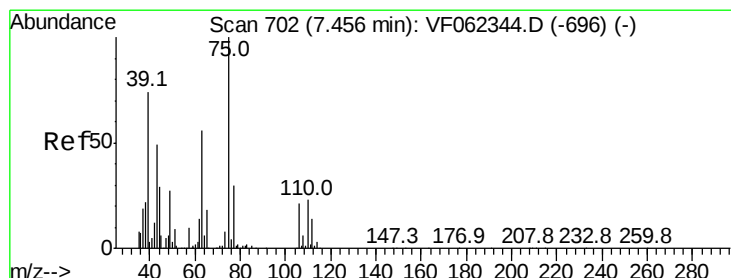
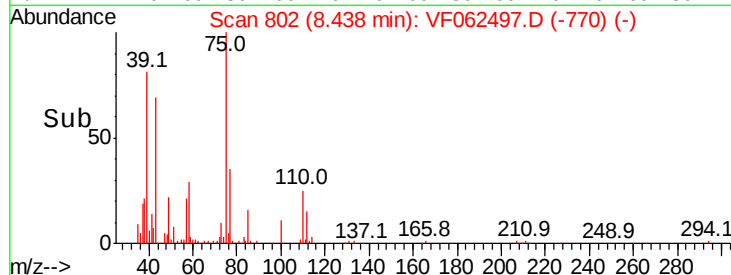
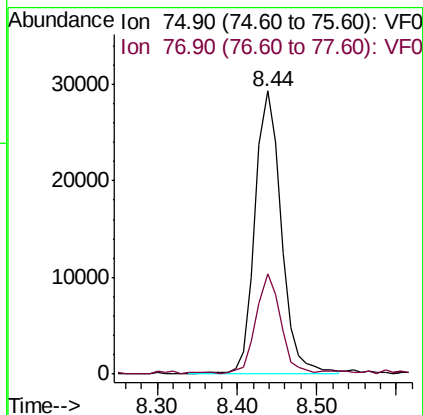
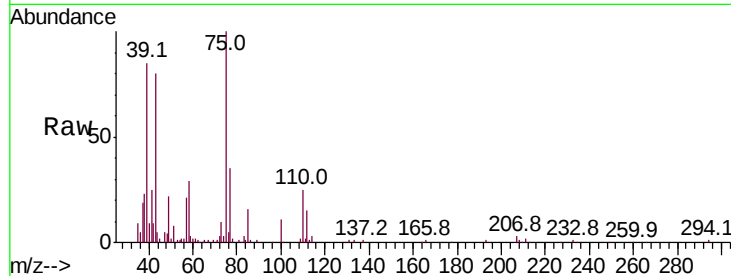
75 100

77 34.7 25.4 38.0

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 24.649 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

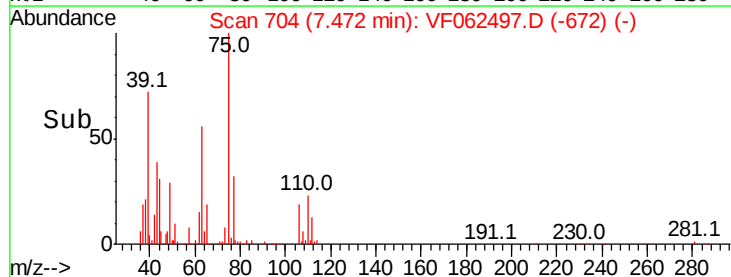
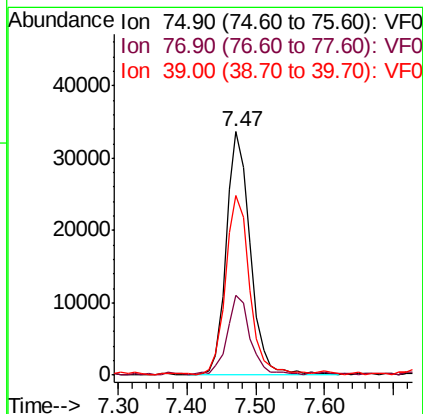
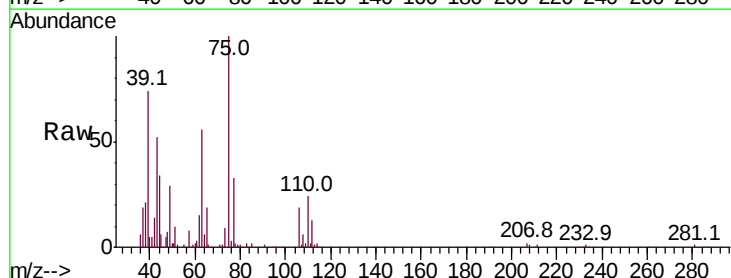
Tgt Ion: 75 Resp: 81301

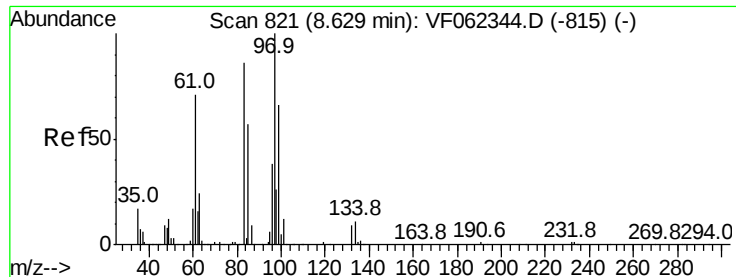
Ion Ratio Lower Upper

75 100

77 32.3 24.0 36.0

39 73.1 58.7 88.1





#55

1,1,2-Trichloroethane

Concen: 22.248 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.03 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

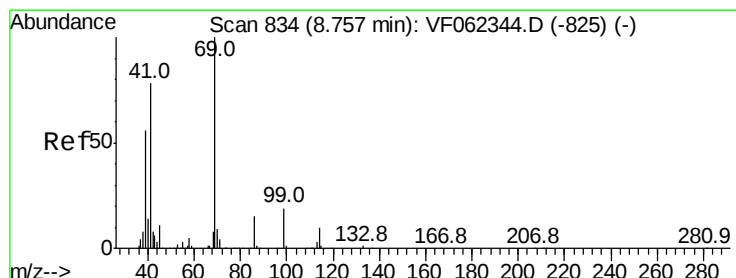
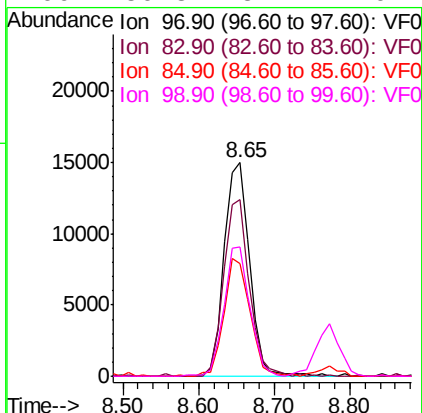
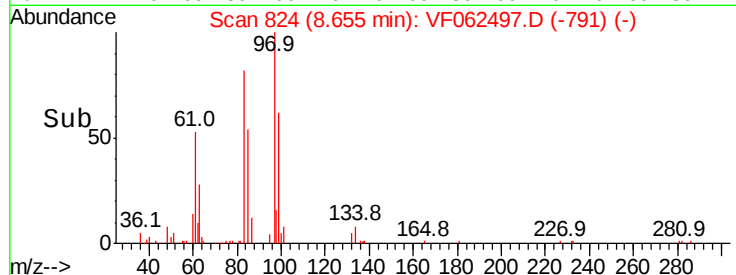
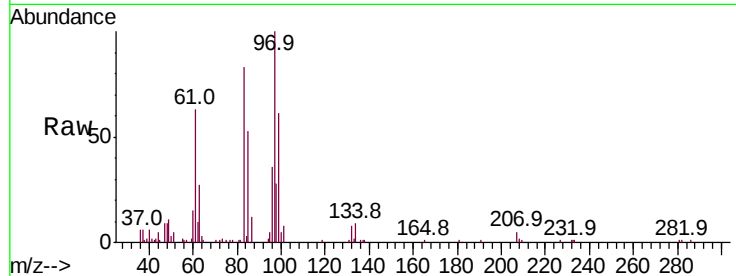
ClientSampleId :

VF0512SBS01

Tot Ion	97	Resp	34772
Ion	Ratio	Lower	Upper
97	100		
83	82.7	68.5	102.7
85	52.8	45.4	68.2
99	59.8	52.7	79.1

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#56

Ethyl methacrylate

Concen: 20.228 ug/l

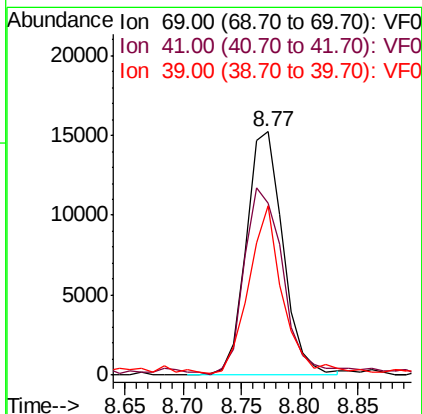
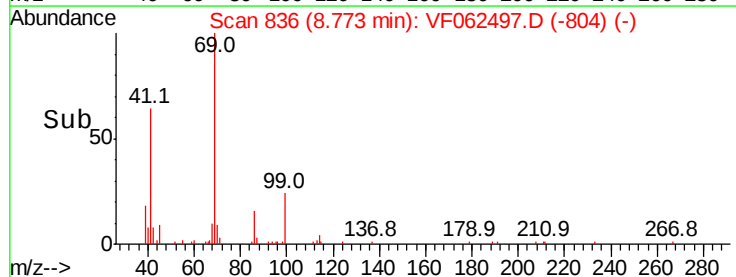
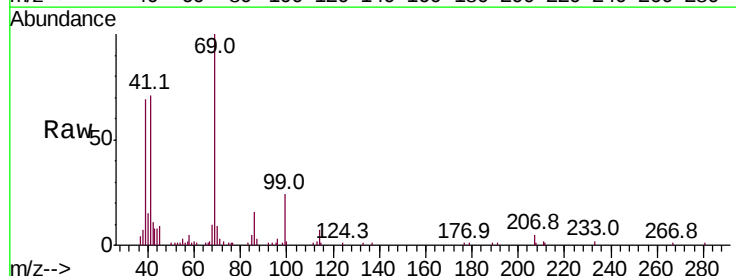
RT: 8.77 min Scan# 836

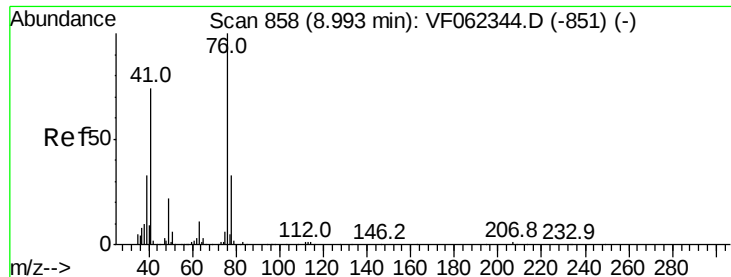
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion	69	Resp	33373
Ion	Ratio	Lower	Upper
69	100		
41	84.9	66.3	99.5
39	63.8	50.1	75.1





#57

1,3-Dichloropropane

Concen: 23.652 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 76 Resp: 55839

Ion Ratio Lower Upper

76 100

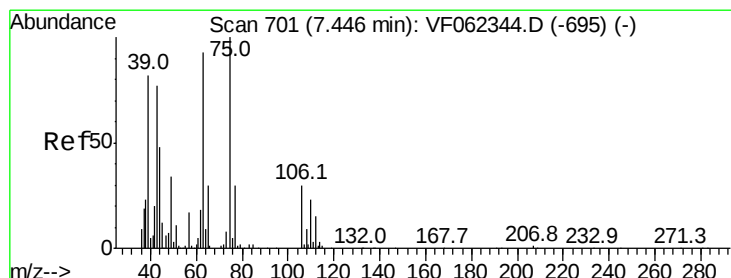
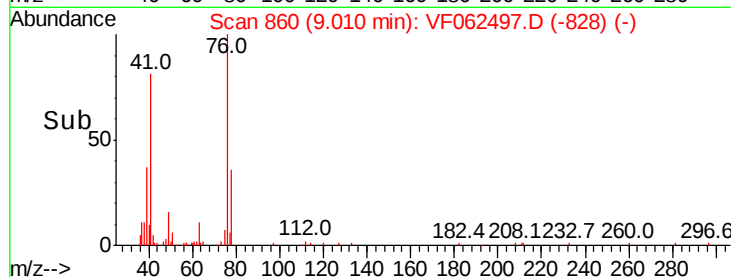
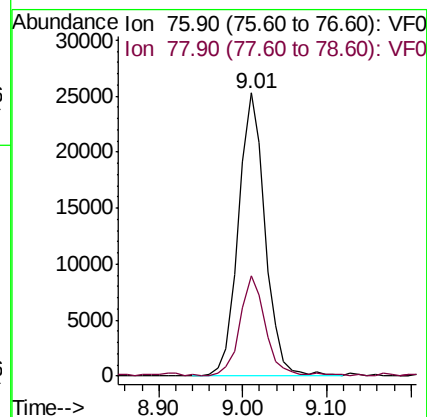
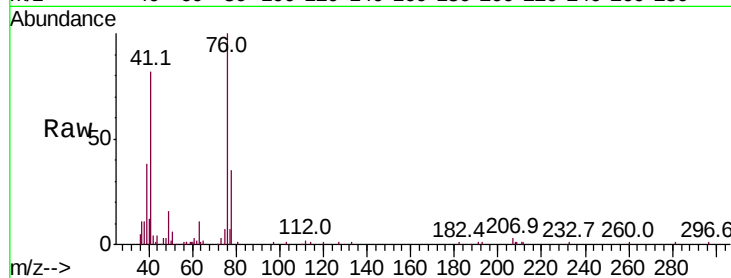
78 33.7 26.4 39.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.969 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.02 min

Lab File: VF062497.D

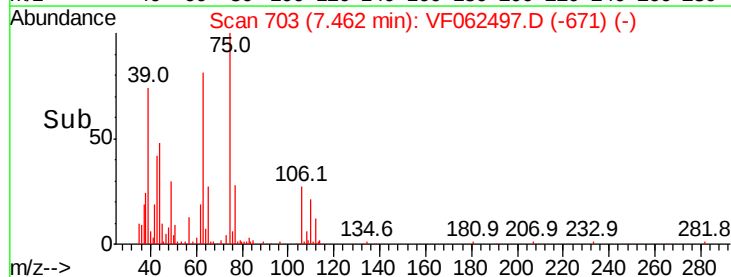
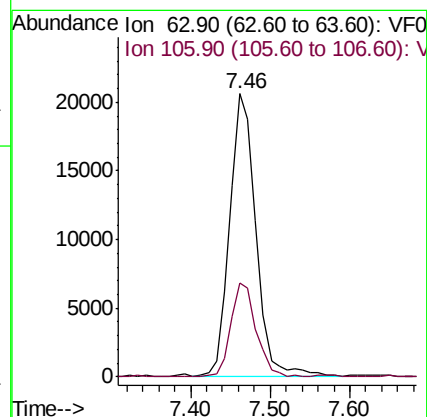
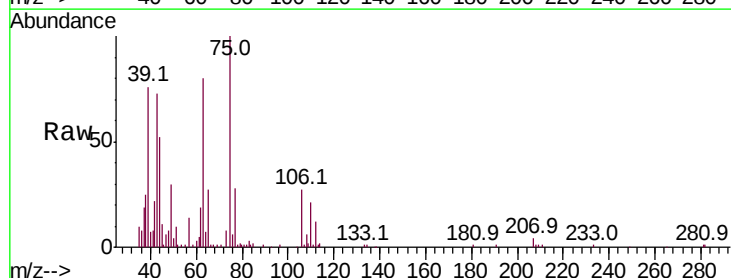
Acq: 12 May 2019 12:28

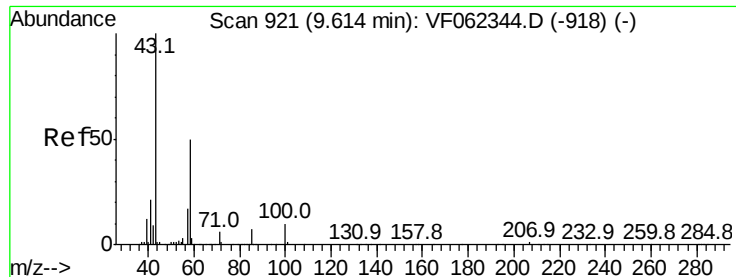
Tgt Ion: 63 Resp: 48098

Ion Ratio Lower Upper

63 100

106 31.8 25.8 38.8





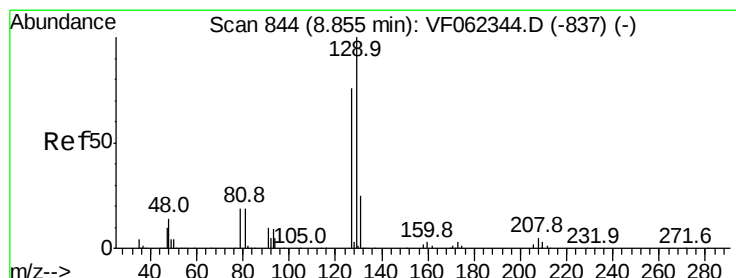
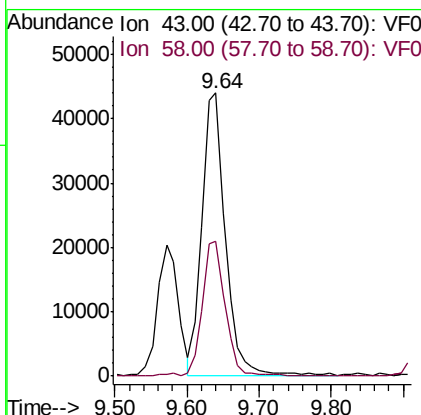
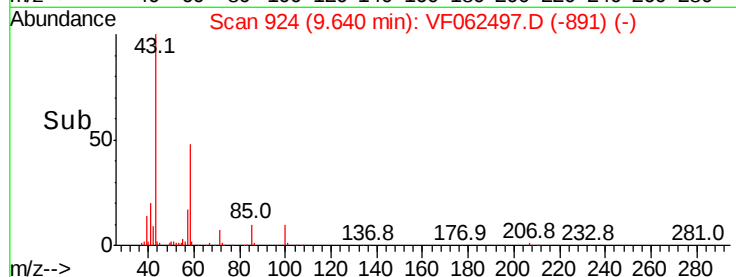
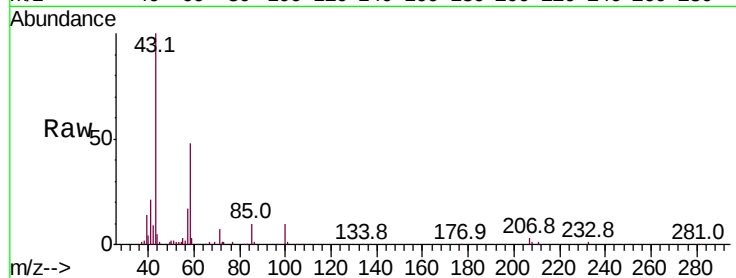
#59
2-Hexanone
Concen: 115.567 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.2	24.3	73.0

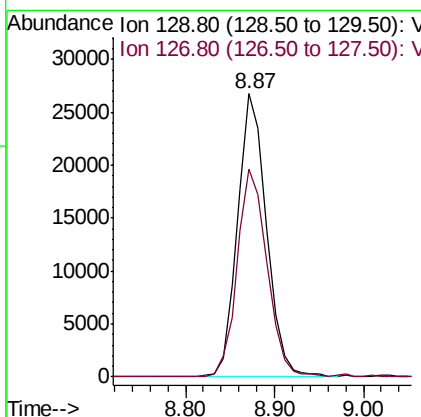
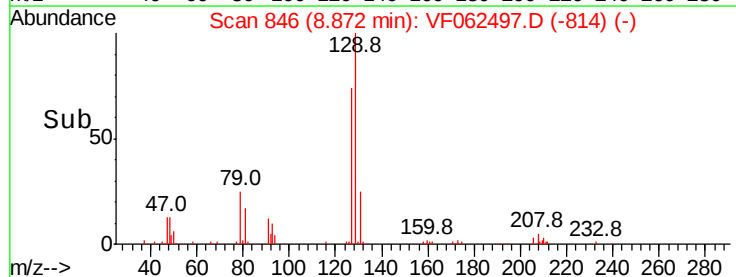
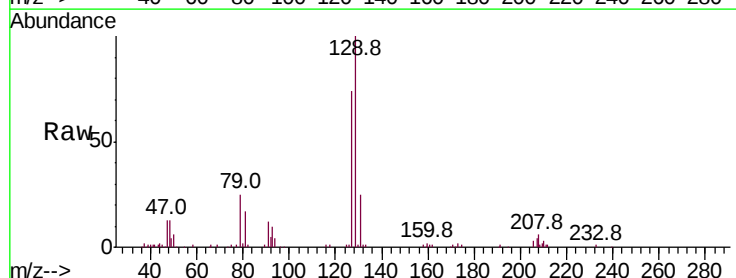
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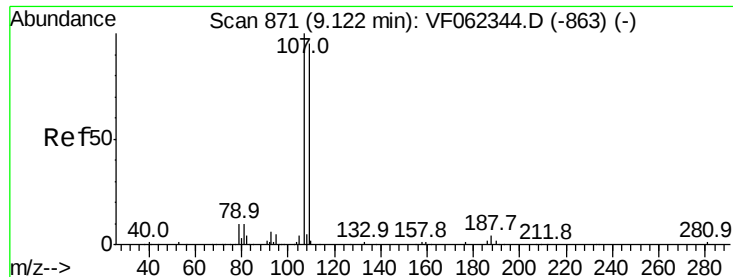
MMDadoda
5/13/2019 12:25:53 PM



#60
Dibromochloromethane
Concen: 23.599 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.5	115.3





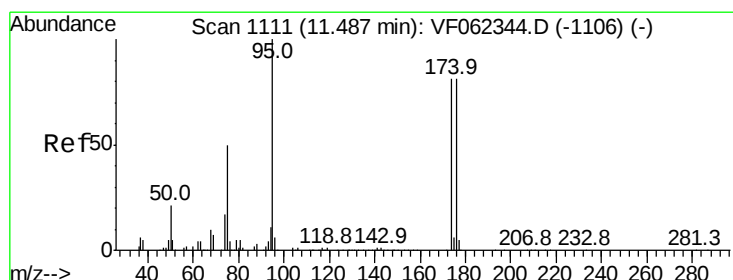
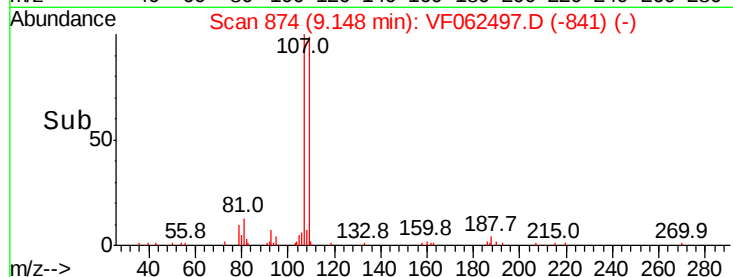
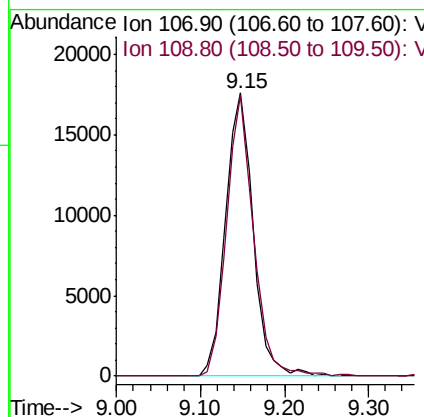
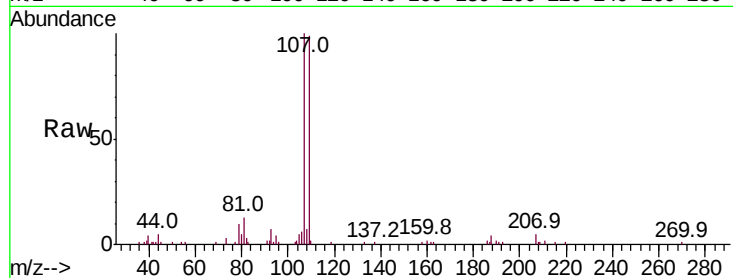
#61
 1,2-Dibromoethane
 Concen: 21.770 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.03 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.8	75.2	112.8

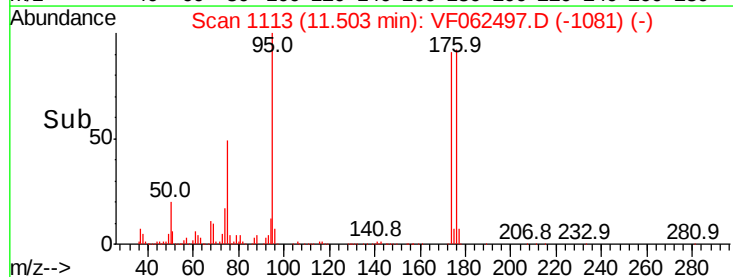
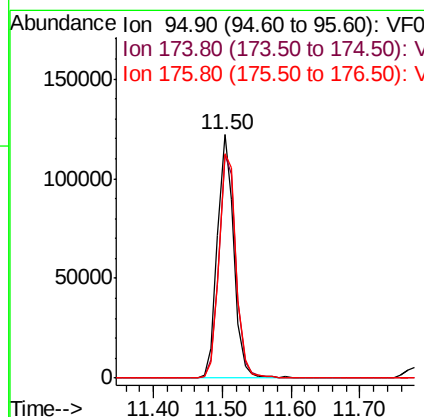
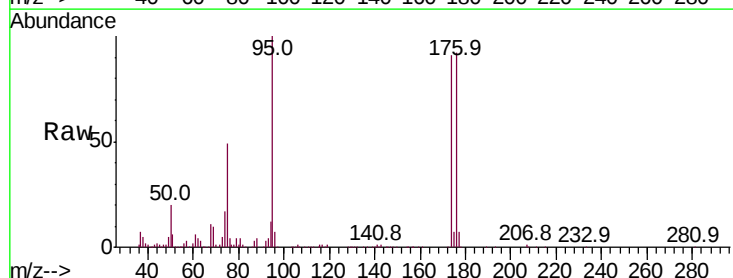
Manual Integrations
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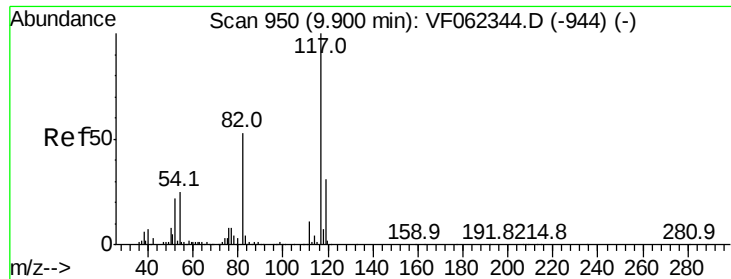
MMDadoda
 5/13/2019 12:25:53 PM



#62
 4-Bromofluorobenzene
 Concen: 54.837 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.7	0.0	191.8
176	97.0	0.0	193.2





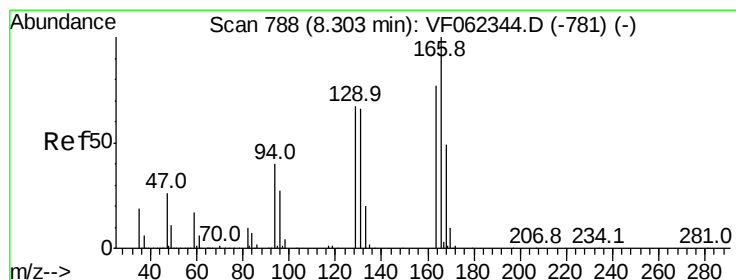
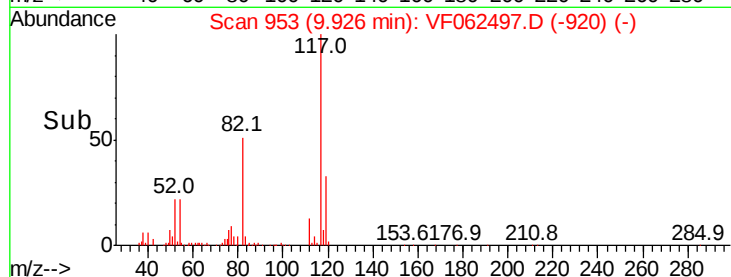
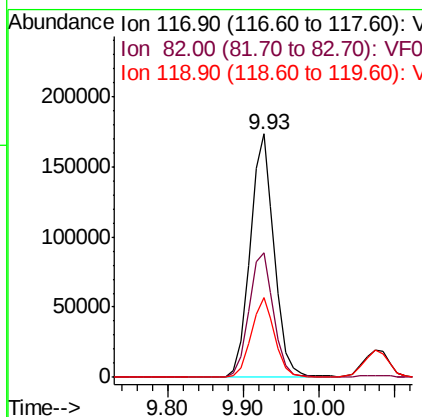
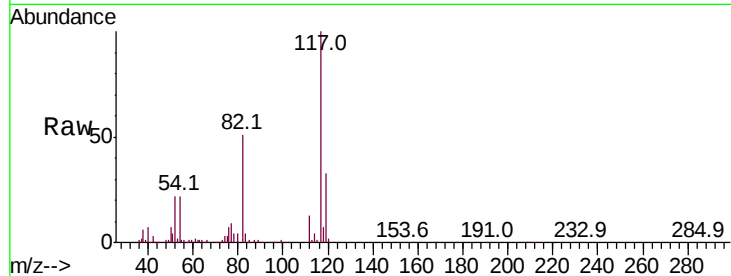
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.03 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	51.1	42.2	63.2
119	32.9	25.0	37.4

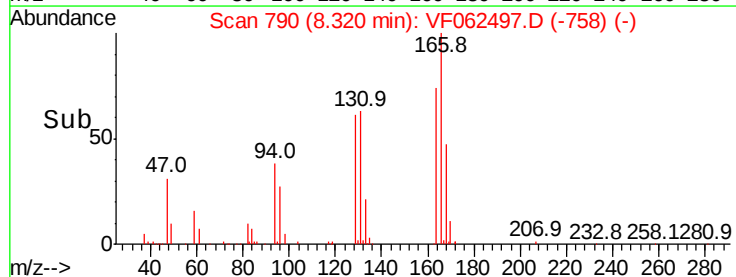
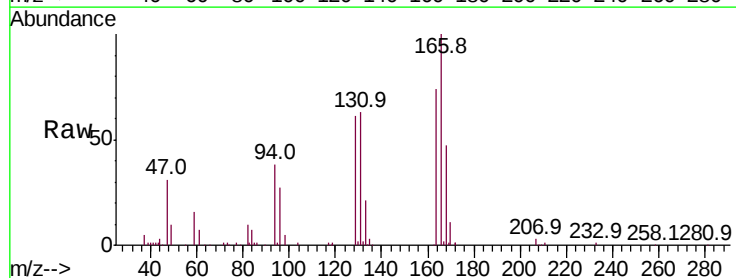
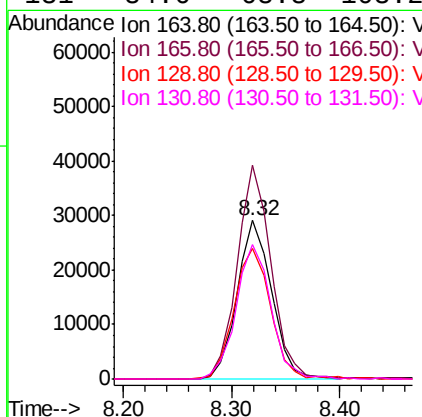
Manual Integrations
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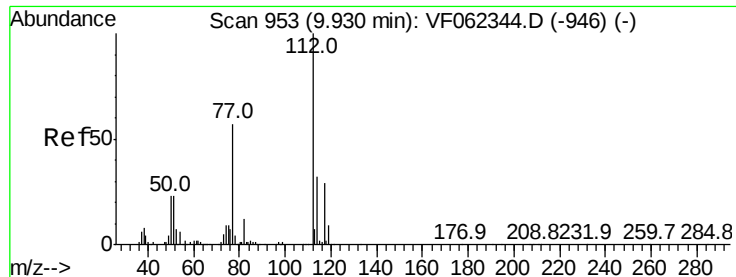
MMDadoda
5/13/2019 12:25:53 PM



#64
Tetrachloroethene
Concen: 20.939 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	134.7	104.2	156.4
129	82.0	69.6	104.4
131	84.6	68.8	103.2





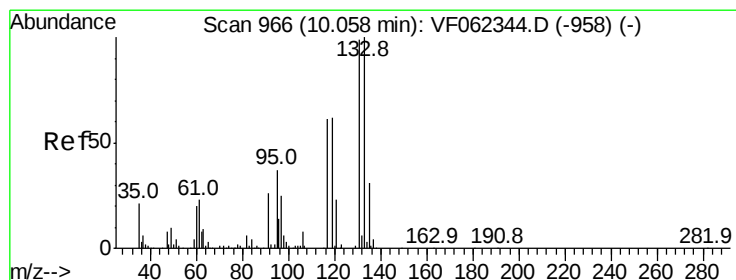
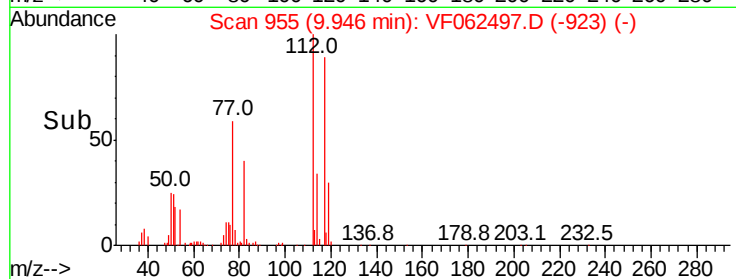
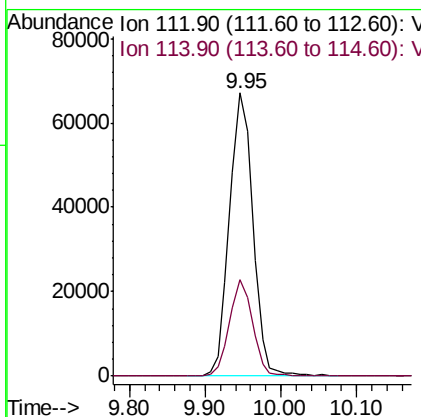
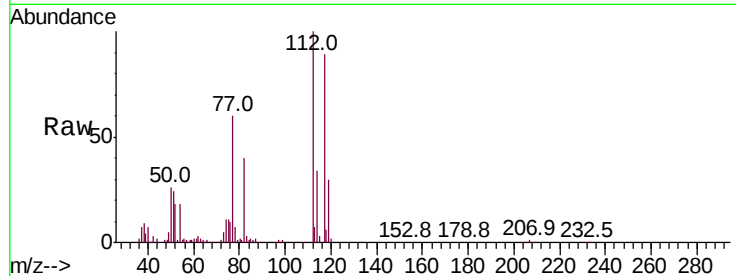
#65
Chlorobenzene
Concen: 22.776 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	144028		
114	34.2	25.4	38.0	

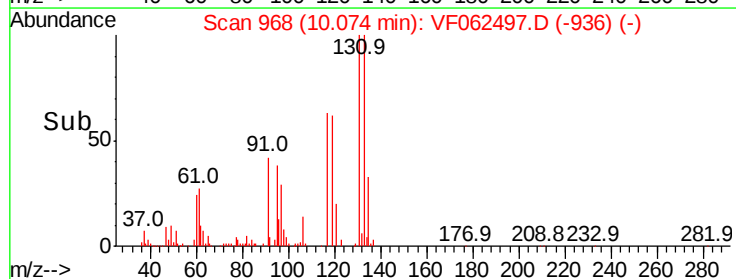
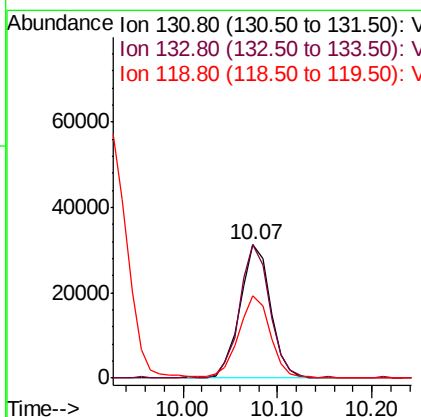
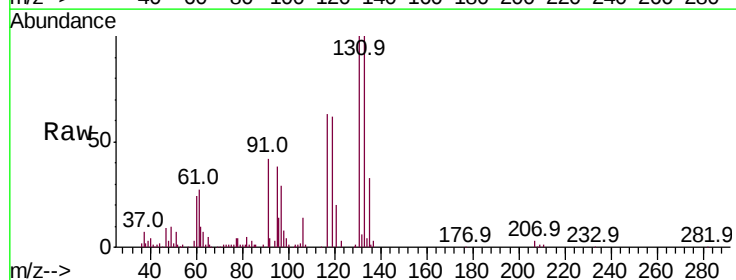
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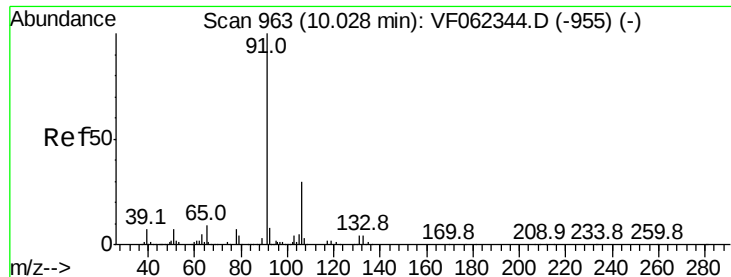
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.966 ug/l
RT: 10.07 min Scan# 968
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	70073		
133	97.3	50.2	150.7	
119	64.8	31.6	95.0	





#67

Ethyl Benzene

Concen: 22.709 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 91 Resp: 251458

Ion Ratio Lower Upper

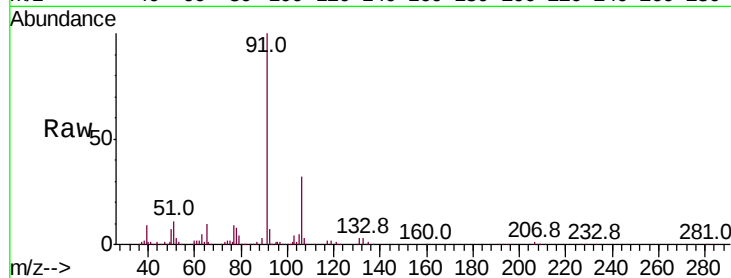
91 100

106 31.8 24.1 36.1

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V

150000

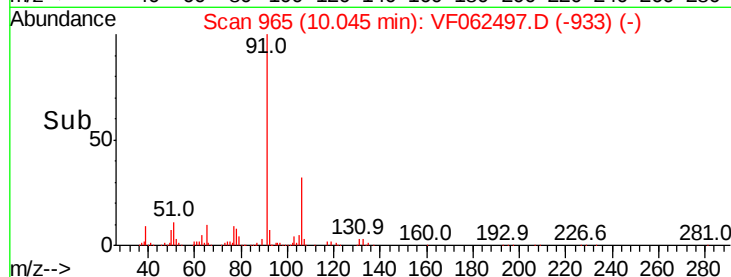
100000

50000

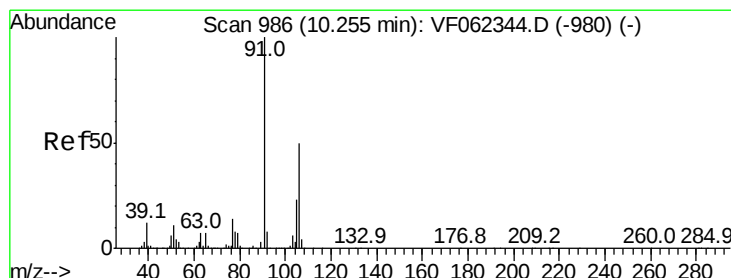
0

10.04

Time-->



Time-->



#68

m/p-Xylenes

Concen: 44.941 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.02 min

Lab File: VF062497.D

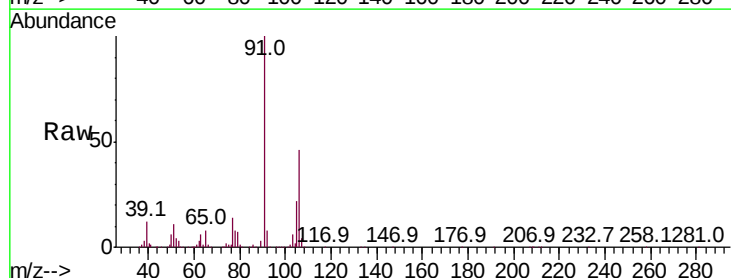
Acq: 12 May 2019 12:28

Tgt Ion:106 Resp: 183611

Ion Ratio Lower Upper

106 100

91 215.8 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

200000

150000

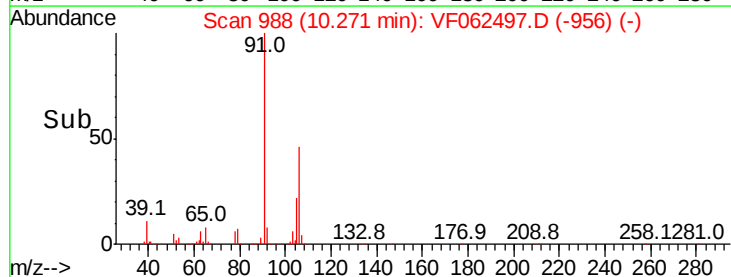
100000

50000

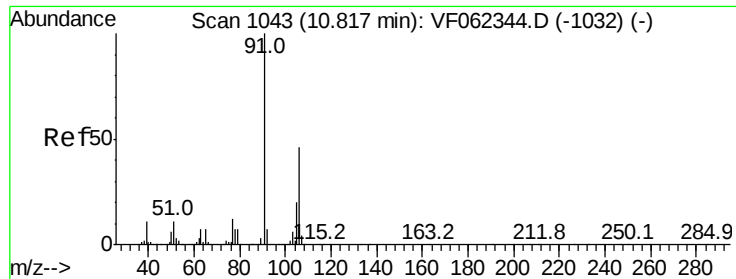
0

10.27

Time-->



Time-->



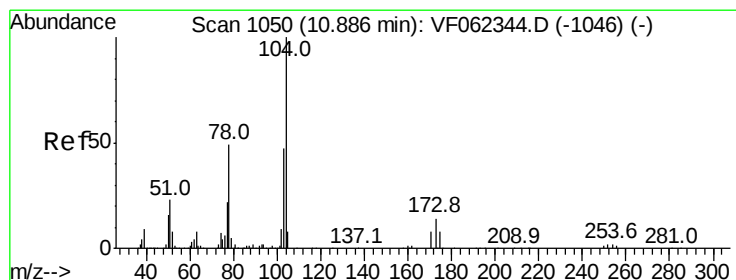
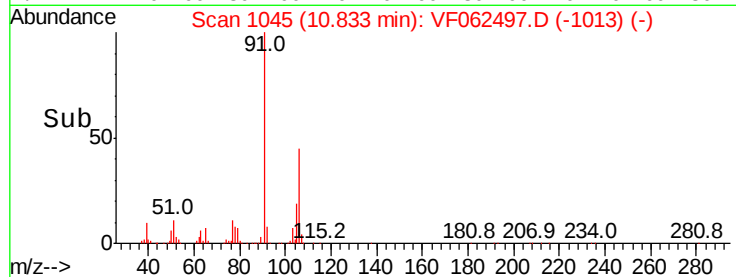
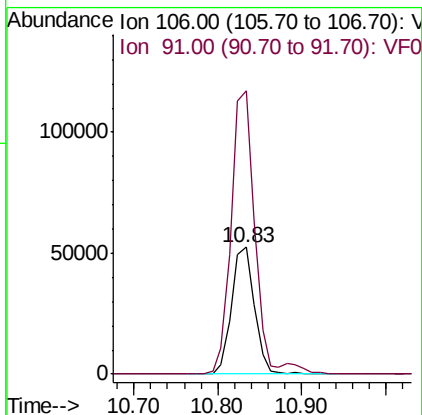
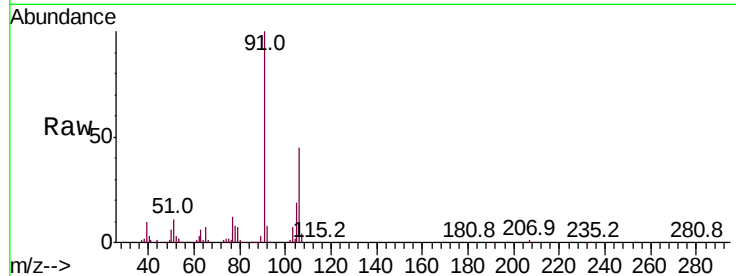
#69
o-Xylene
Concen: 22.721 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampled :
VF0512SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	223.2	111.3	333.8

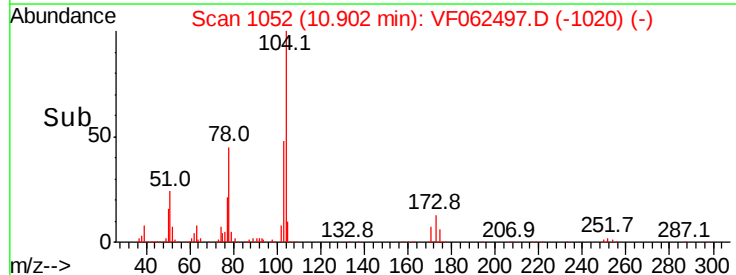
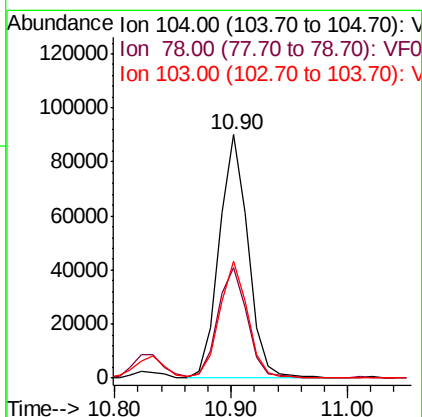
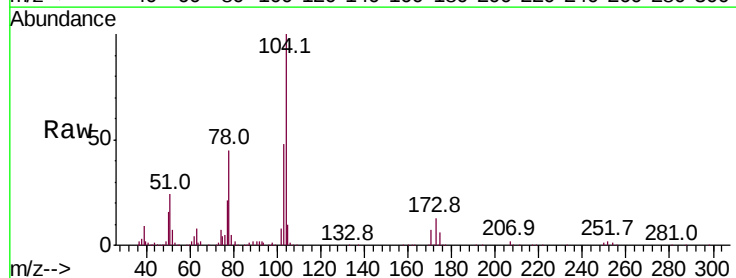
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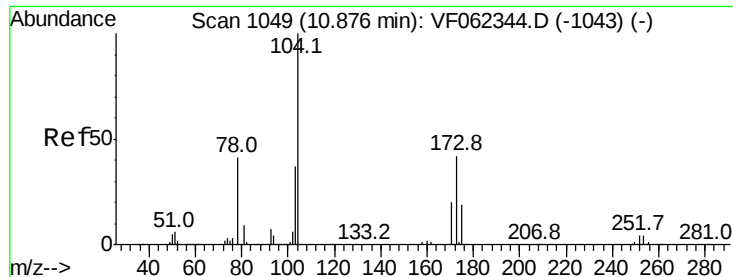
MMDadoda
5/13/2019 12:25:53 PM



#70
Styrene
Concen: 23.117 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.6	39.5	59.3
103	46.9	38.4	57.6





#71

Bromoform

Concen: 20.273 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

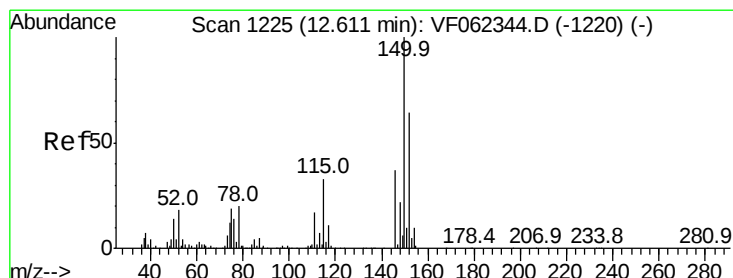
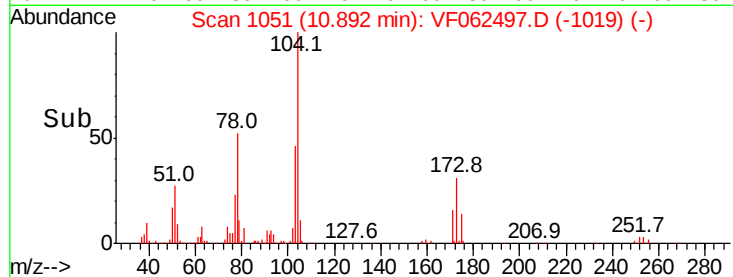
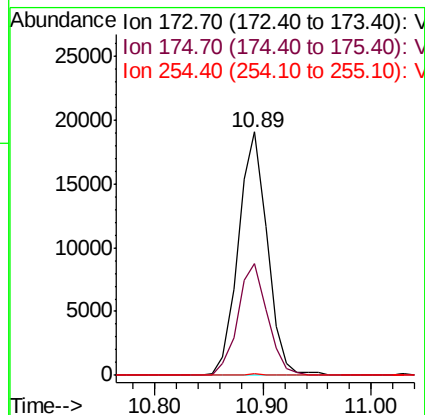
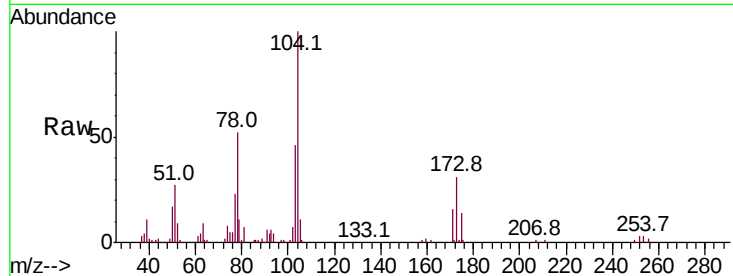
ClientSampleId :

VF0512SBS01

Tot Ion:	173	Resp:	35431
Ion Ratio	Lower	Upper	
173	100		
175	46.8	23.8	71.2
254	0.2	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

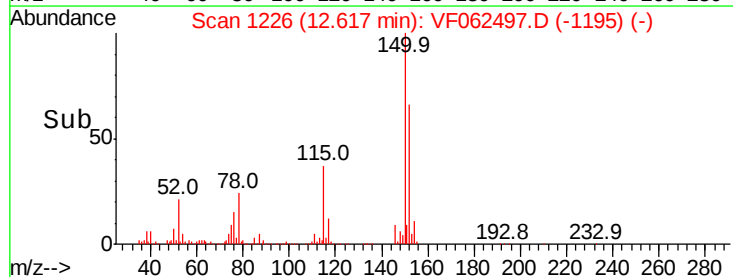
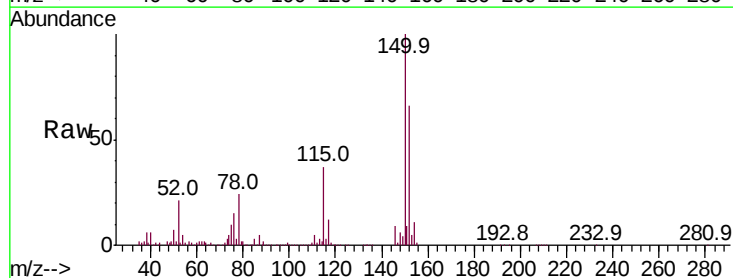
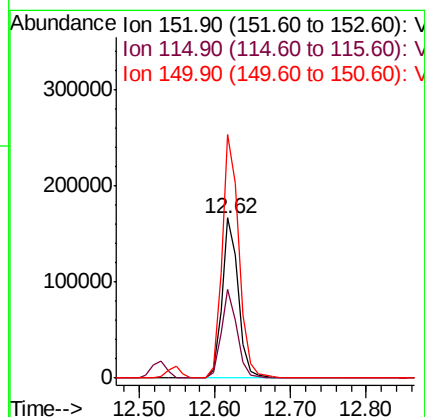
RT: 12.62 min Scan# 1226

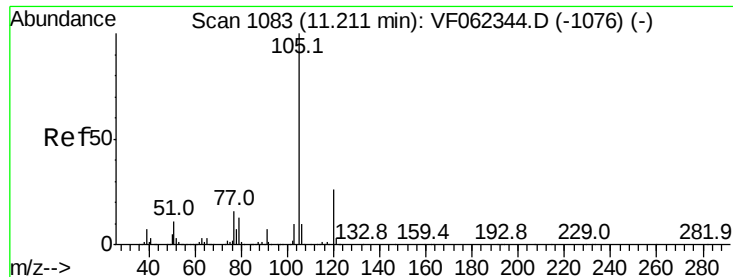
Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	152	Resp:	249981
Ion Ratio	Lower	Upper	
152	100		
115	53.9	26.4	79.2
150	158.6	0.0	335.0





#73

Isopropylbenzene

Concen: 22.241 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion:105 Resp: 329607

Ion Ratio Lower Upper

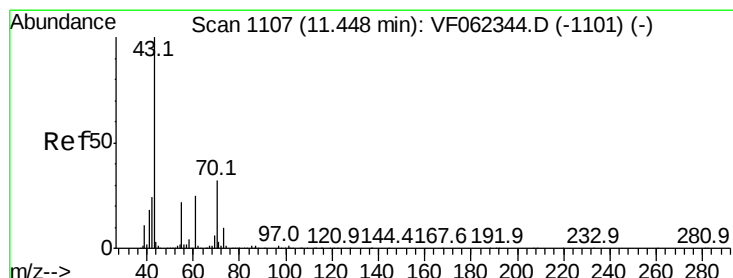
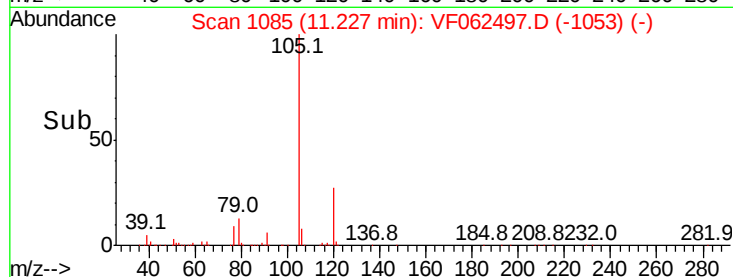
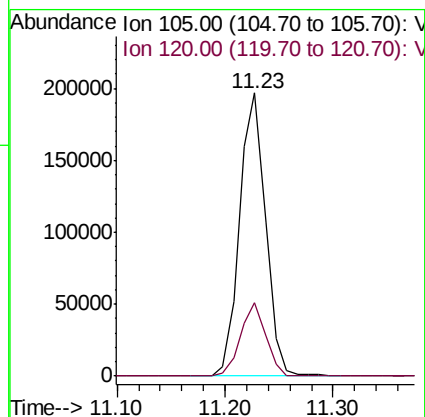
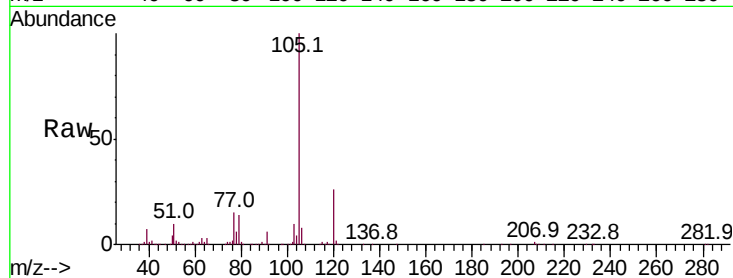
105 100

120 25.2 12.7 38.0

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#74

N-ethyl acetate

Concen: 17.082 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion: 43 Resp: 54347

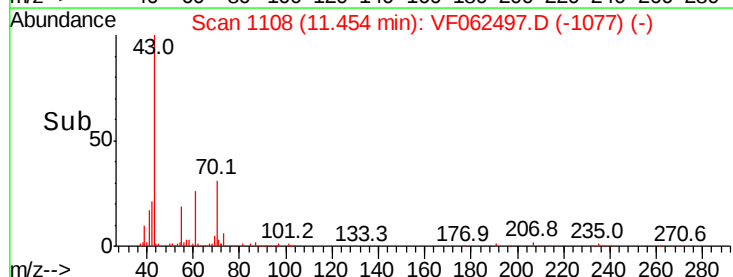
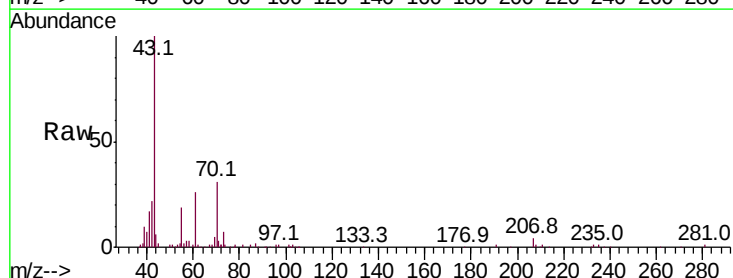
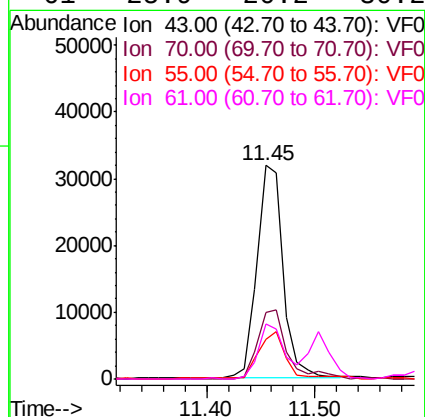
Ion Ratio Lower Upper

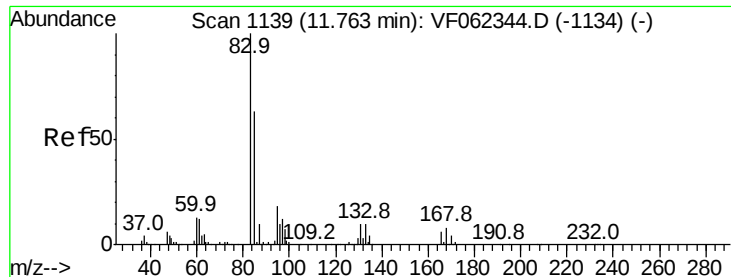
43 100

70 36.1 26.5 39.7

55 24.2 17.8 26.6

61 25.9 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 19.938 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

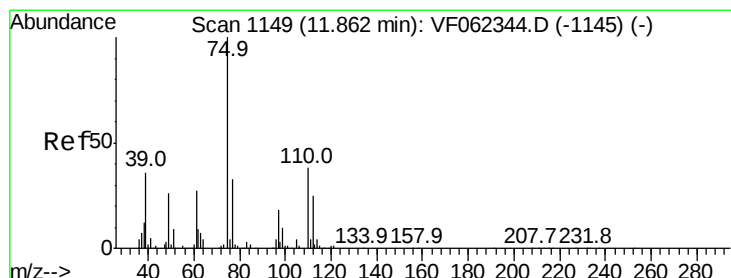
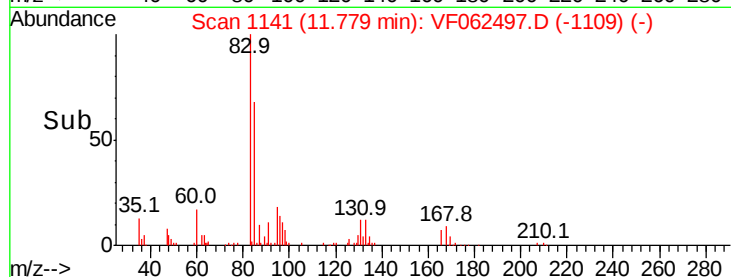
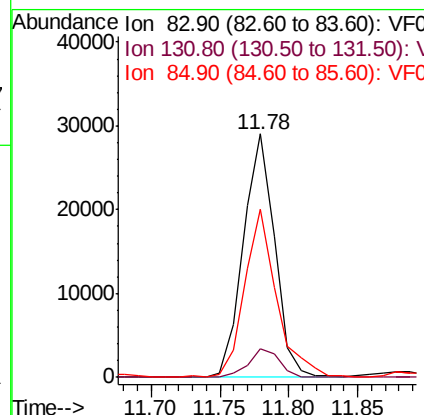
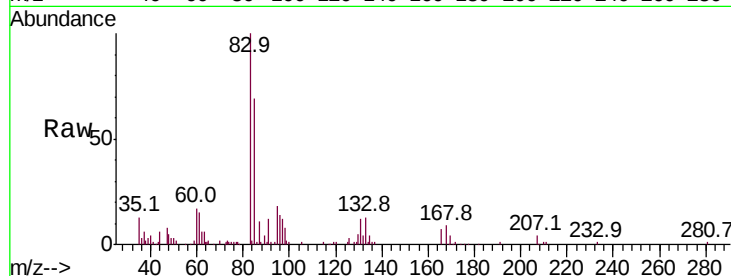
ClientSampleId :

VF0512SBS01

Tot Ion:	83	Resp:	46265
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	70.5	35.3	105.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.110 ug/l

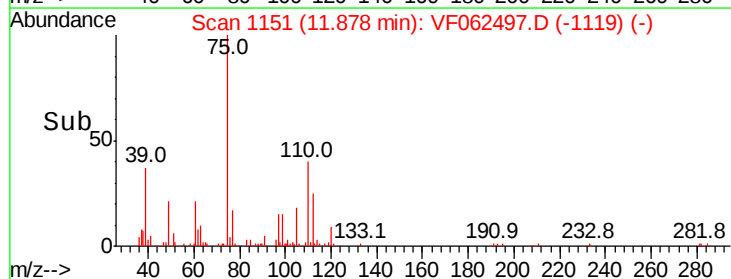
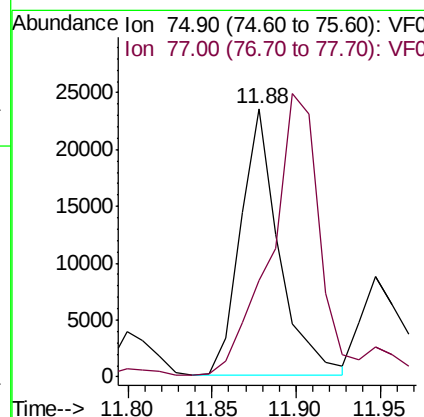
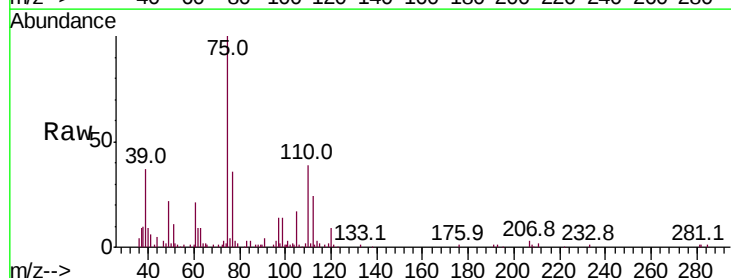
RT: 11.88 min Scan# 1151

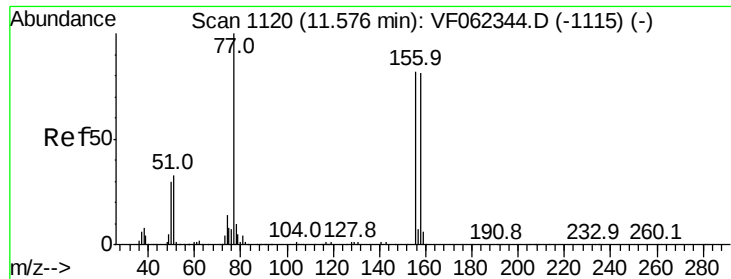
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	75	Resp:	37371
Ion Ratio	Lower	Upper	
75	100		
77	132.0	0.0	0.0#





#77

Bromobenzene

Concen: 22.211 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

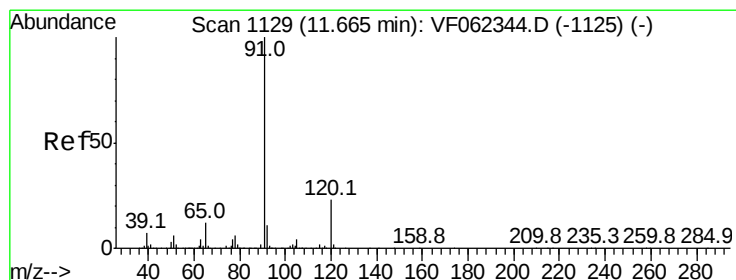
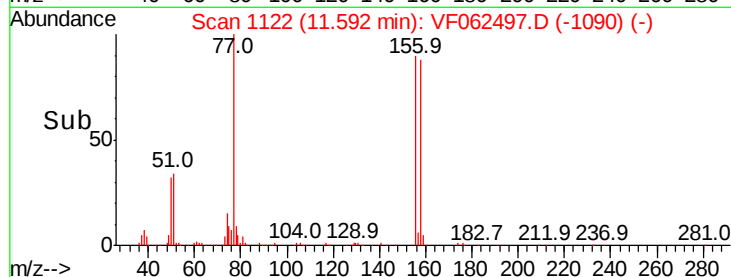
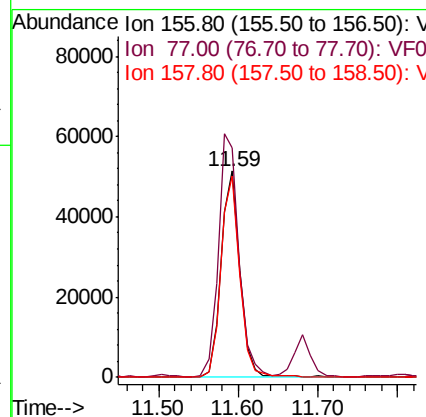
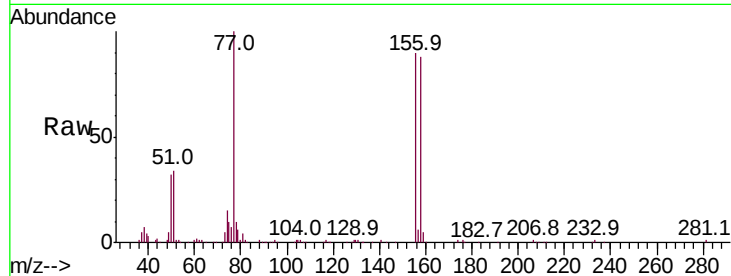
ClientSampleId :

VF0512SBS01

Tot Ion:	156	Resp:	86389
Ion	Ratio	Lower	Upper
156	100		
77	127.3	64.8	194.3
158	97.0	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 22.248 ug/l

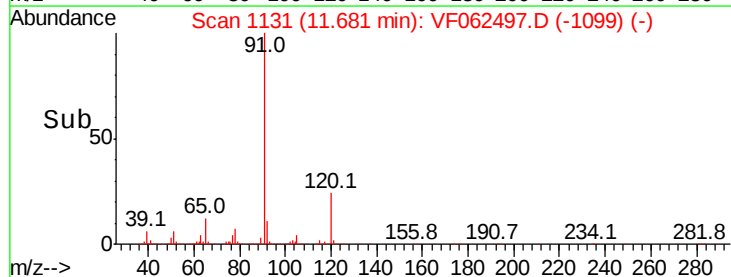
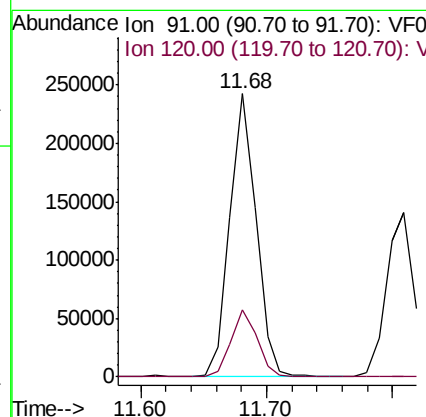
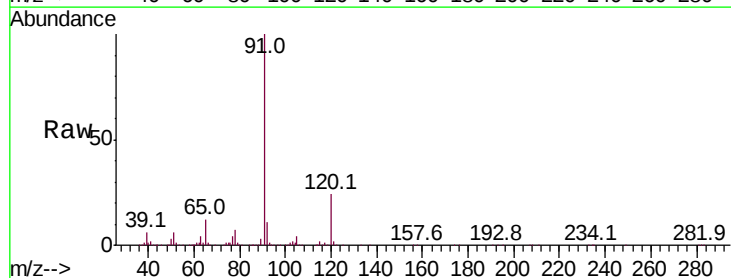
RT: 11.68 min Scan# 1131

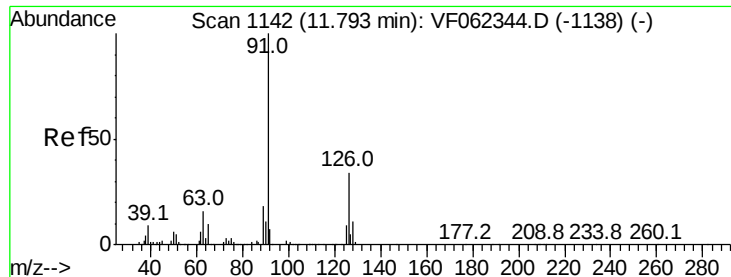
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	91	Resp:	351027
Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.5





#79

2-Chlorotoluene

Concen: 22.103 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

ClientSampleId :

VF0512SBS01

Tot Ion: 91 Resp: 216857

Ion Ratio Lower Upper

91 100

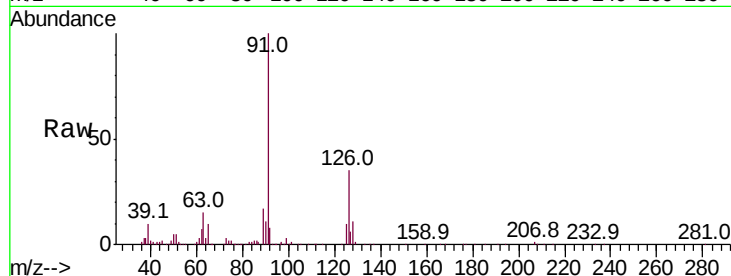
126 34.9 17.8 53.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 125.90 (125.60 to 126.60): V

11.81

150000

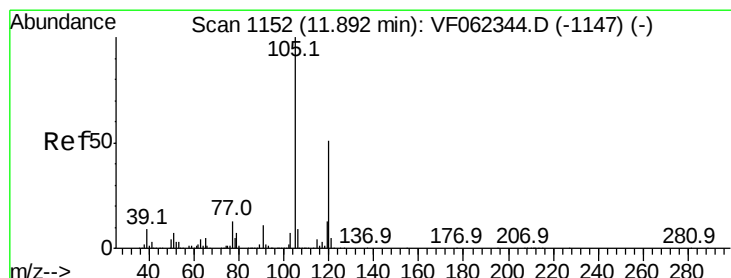
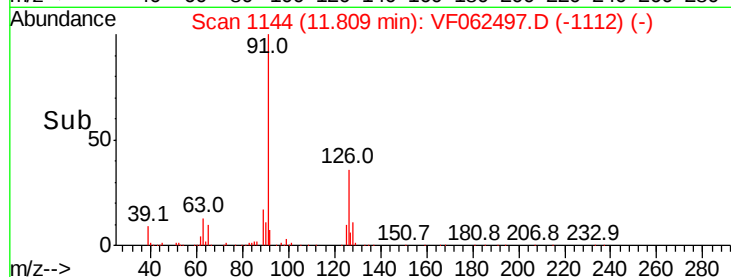
100000

50000

0

11.75 11.80 11.85 11.90

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.115 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.02 min

Lab File: VF062497.D

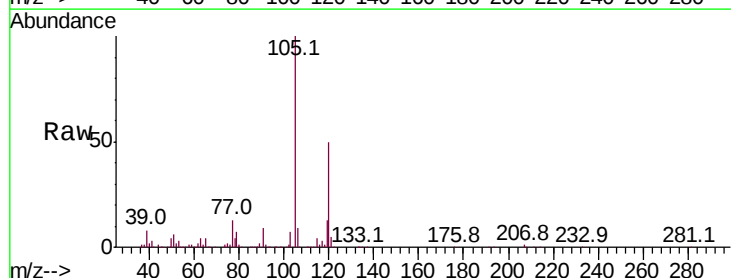
Acq: 12 May 2019 12:28

Tgt Ion:105 Resp: 287259

Ion Ratio Lower Upper

105 100

120 48.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.91

200000

150000

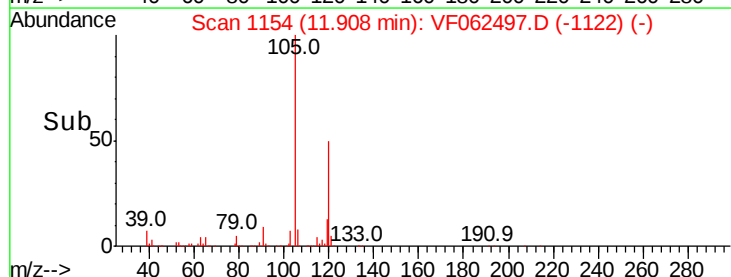
100000

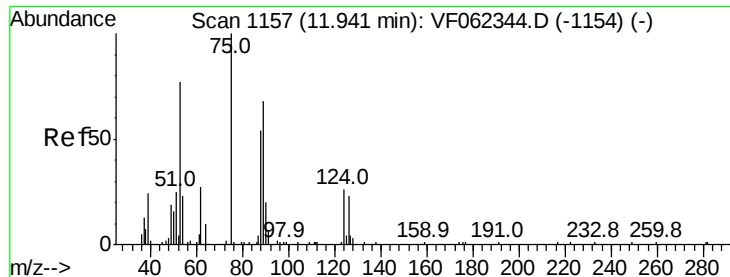
50000

0

11.80 11.90 12.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.936 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

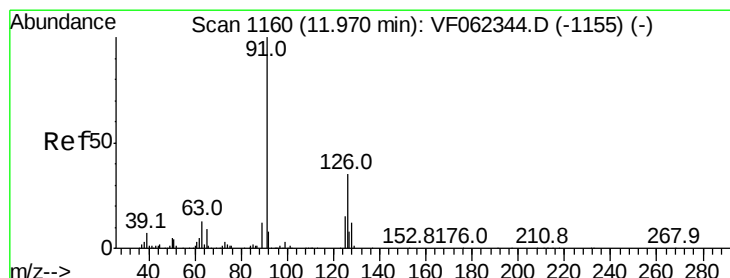
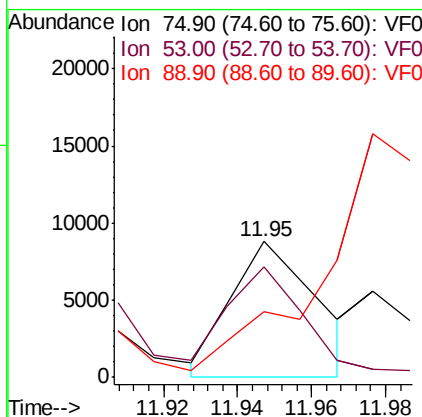
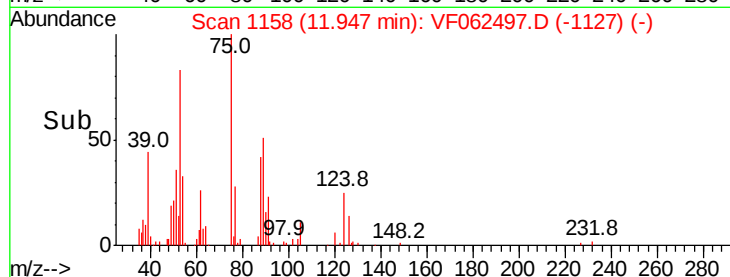
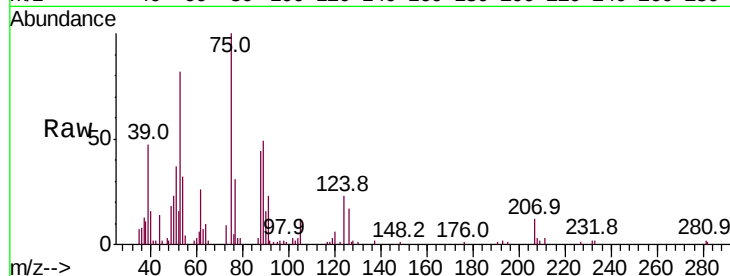
ClientSampleId :

VF0512SBS01

Tot Ion:	75	Resp:	13932
Ion Ratio	Lower	Upper	
75	100		
53	78.3	71.9	107.9
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.109 ug/l

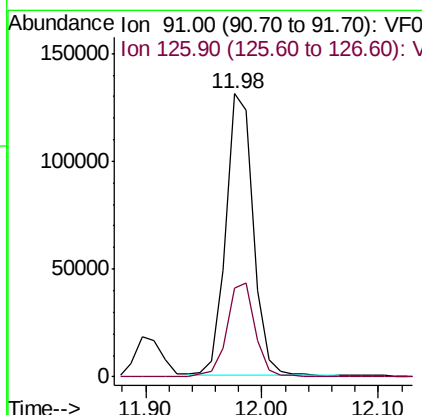
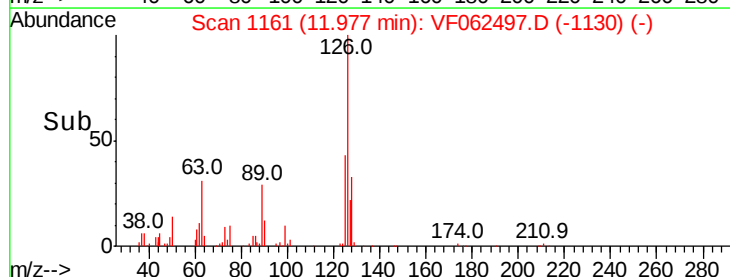
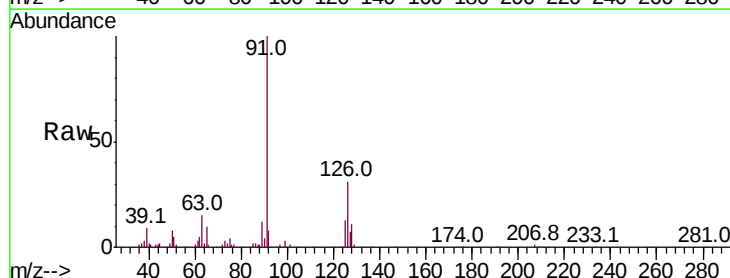
RT: 11.98 min Scan# 1161

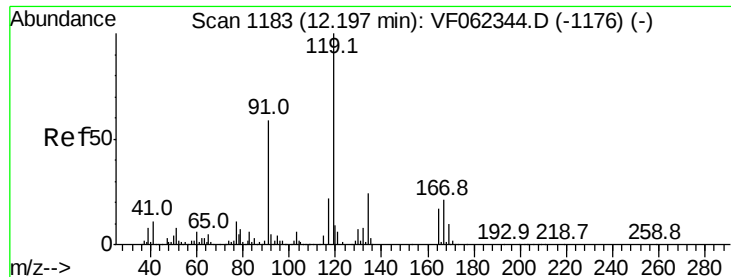
Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	91	Resp:	214241
Ion Ratio	Lower	Upper	
91	100		
126	34.9	17.7	53.1





#83

tert-Butylbenzene

Concen: 21.350 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

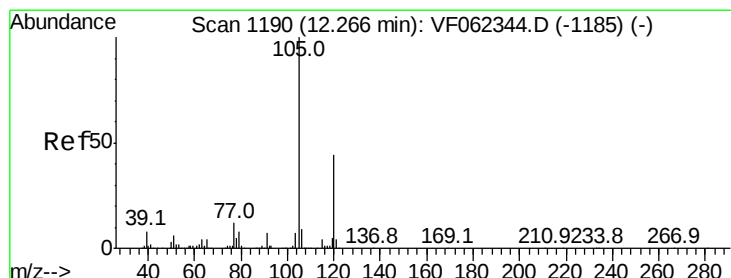
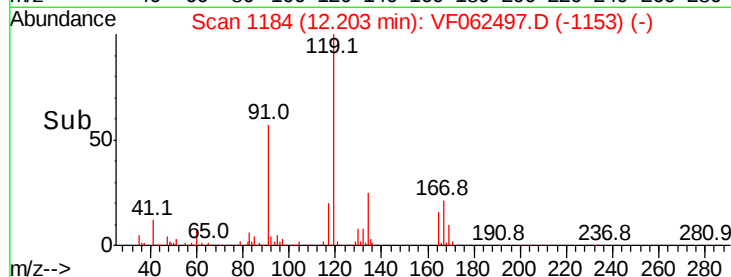
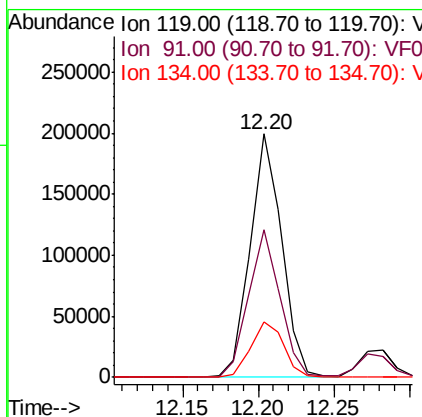
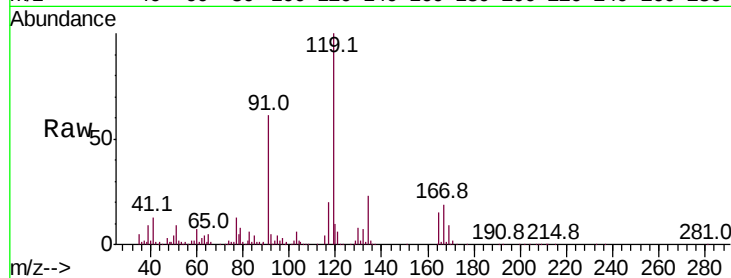
ClientSampleId :

VF0512SBS01

Tot Ion:	119	Resp:	291451
Ion Ratio	Lower	Upper	
119	100		
91	60.4	30.4	91.3
134	23.8	11.9	35.7

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#84

1,2,4-Trimethylbenzene

Concen: 22.836 ug/l

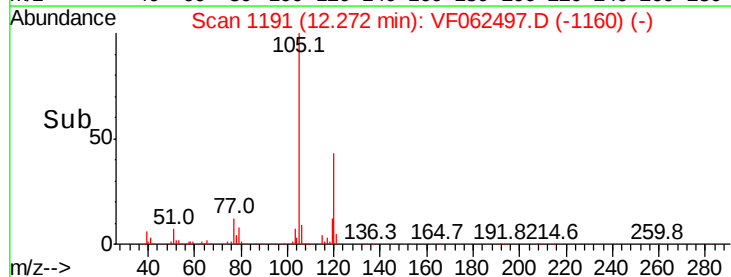
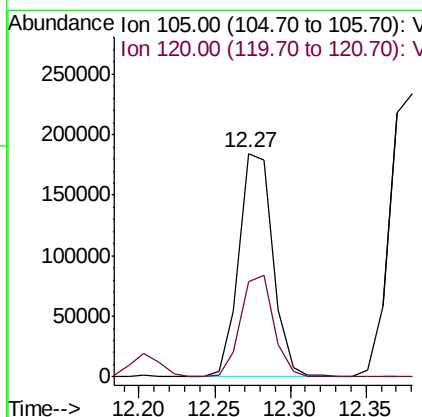
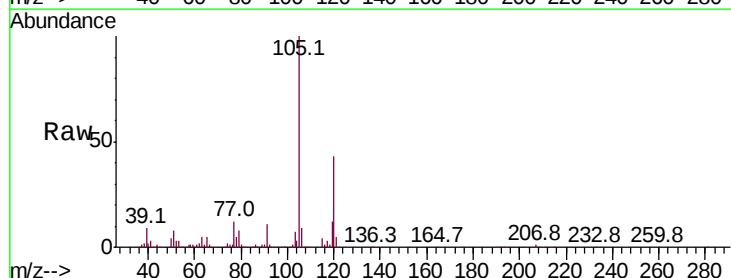
RT: 12.27 min Scan# 1191

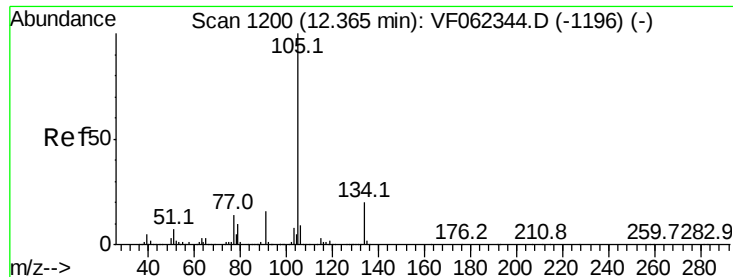
Delta R.T. 0.01 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion:	105	Resp:	290282
Ion Ratio	Lower	Upper	
105	100		
120	44.1	22.6	67.7





#85

sec-Butylbenzene

Concen: 22.290 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Instrument :

MSVOA_F

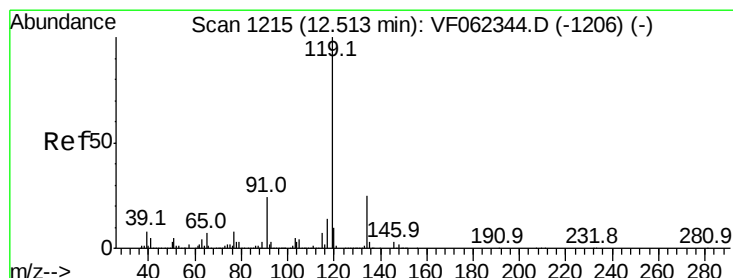
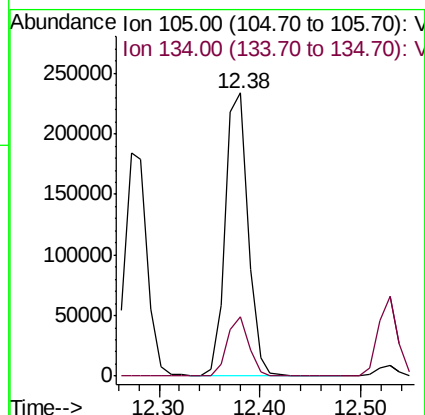
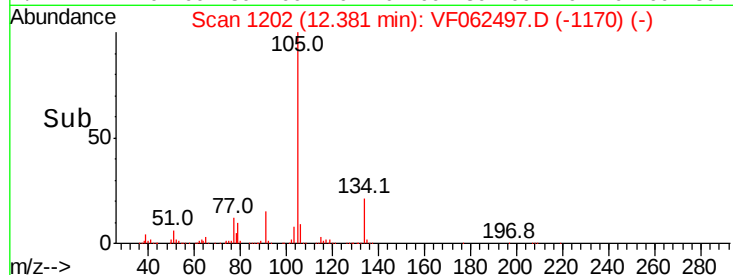
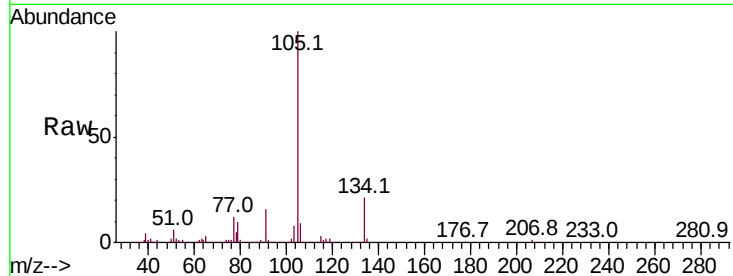
ClientSampleId :

VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	370375		
134	19.8	9.8	29.5	

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.284 ug/l

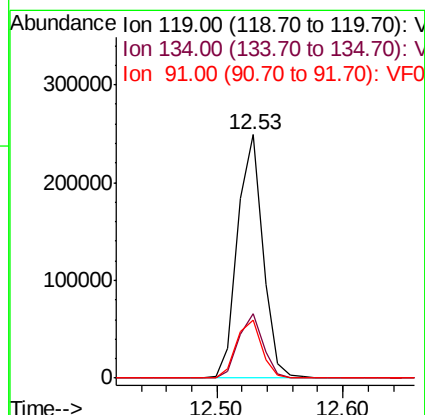
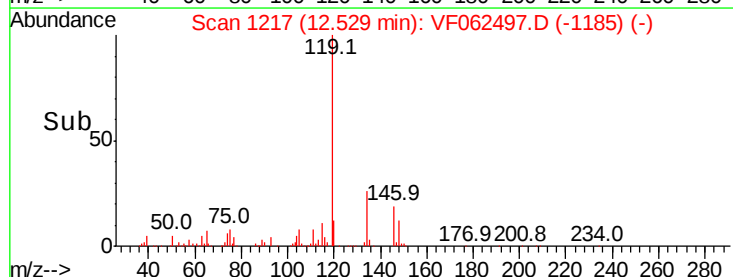
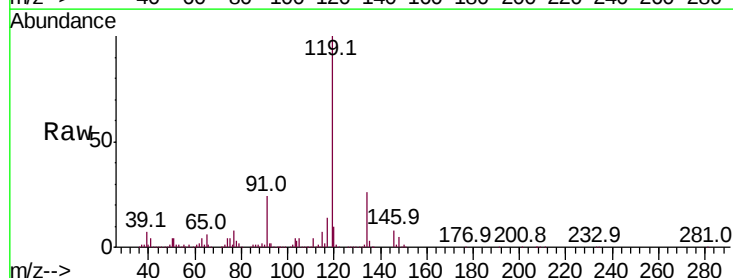
RT: 12.53 min Scan# 1217

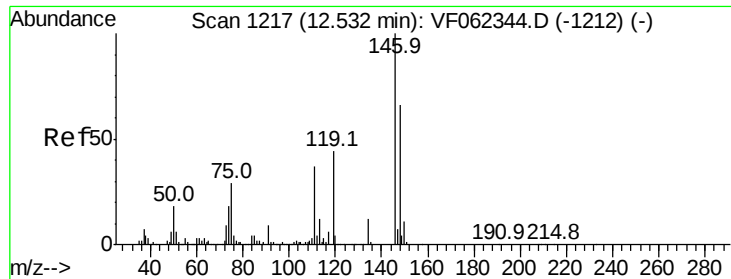
Delta R.T. 0.02 min

Lab File: VF062497.D

Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	344021		
134	25.9	12.9	38.7	
91	23.8	12.3	36.8	





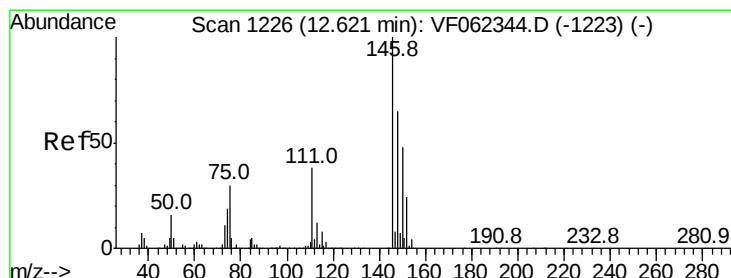
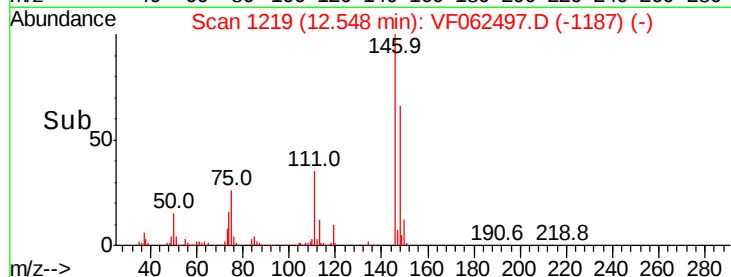
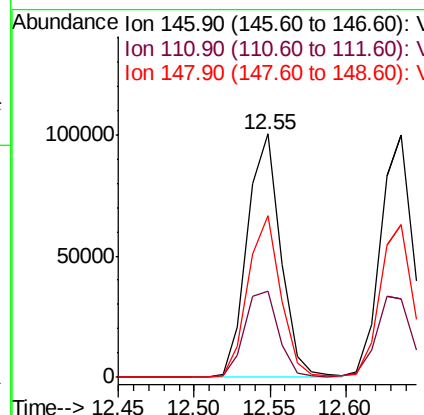
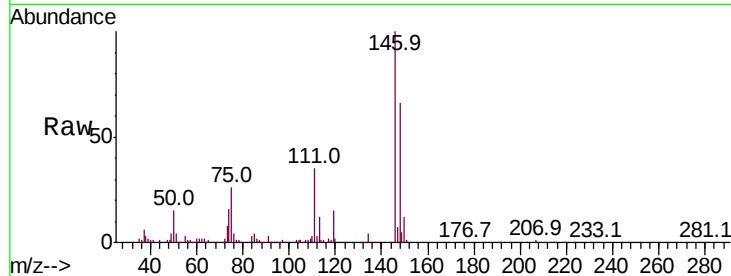
#87
 1,3-Dichlorobenzene
 Concen: 21.821 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	155005		
111	36.2	18.3	54.8	
148	65.5	32.3	96.9	

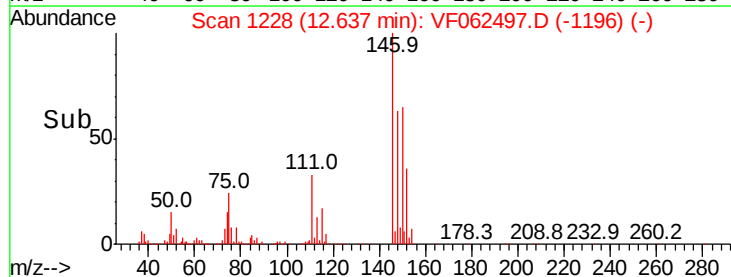
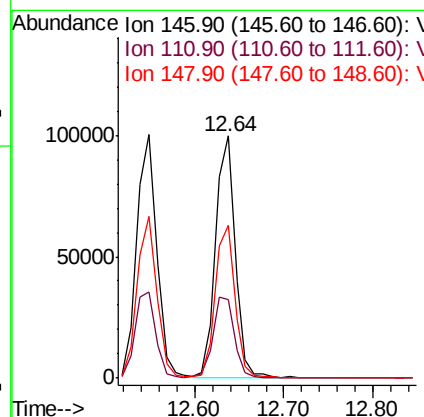
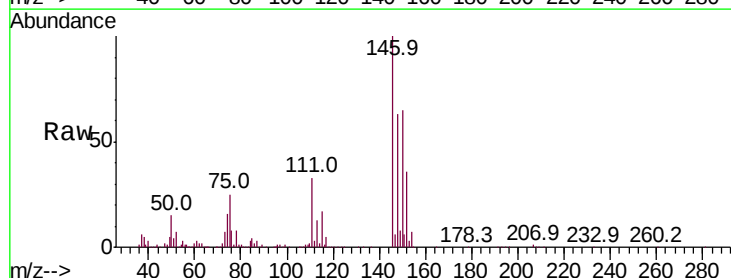
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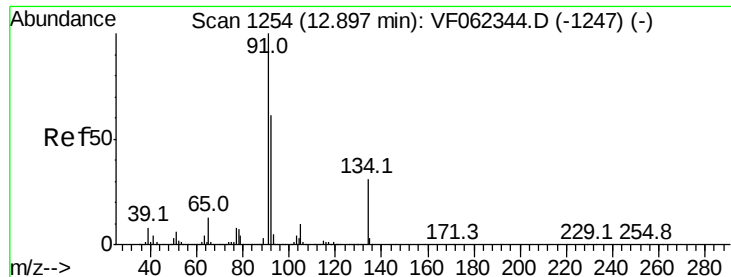
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#88
 1,4-Dichlorobenzene
 Concen: 22.480 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.02 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	154121		
111	36.4	18.8	56.3	
148	62.9	32.2	96.6	





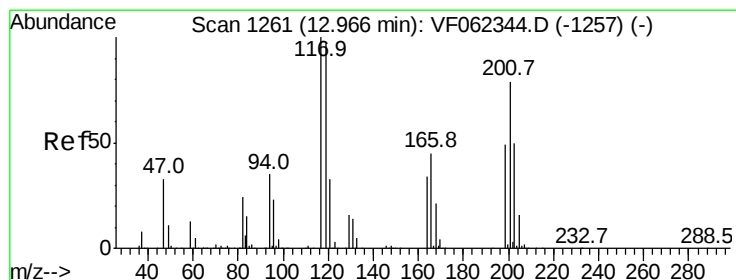
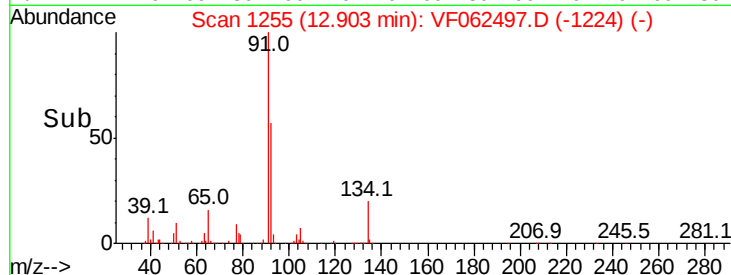
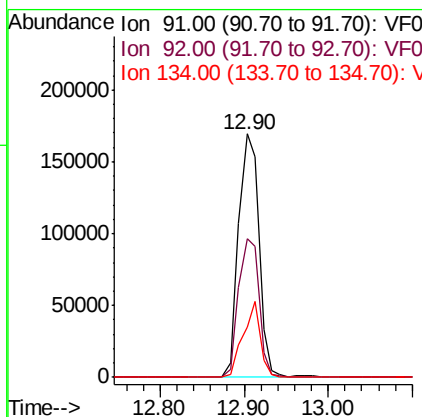
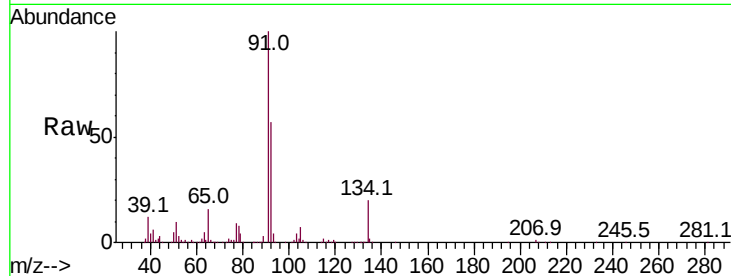
#89
n-Butylbenzene
Concen: 20.850 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	286366		
92	57.6		30.0	90.0
134	26.5		14.1	42.4

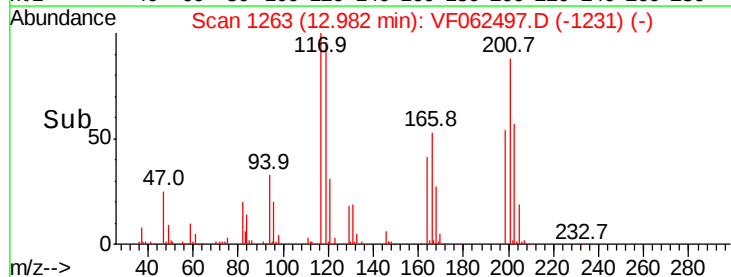
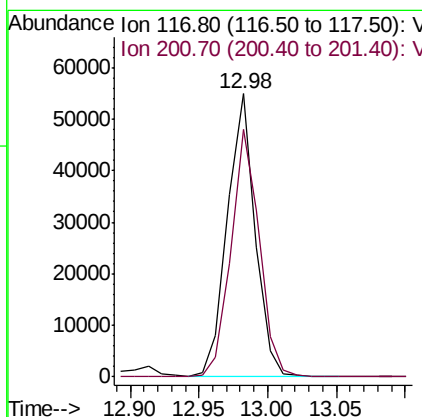
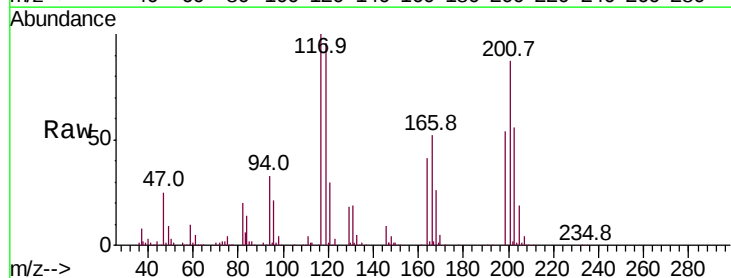
Manual Integrations
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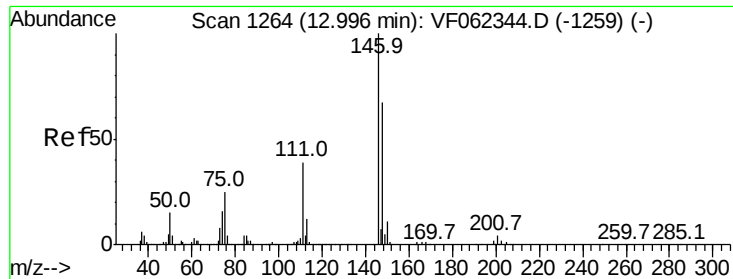
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#90
Hexachloroethane
Concen: 20.064 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	77340		
201	88.6		46.2	138.5





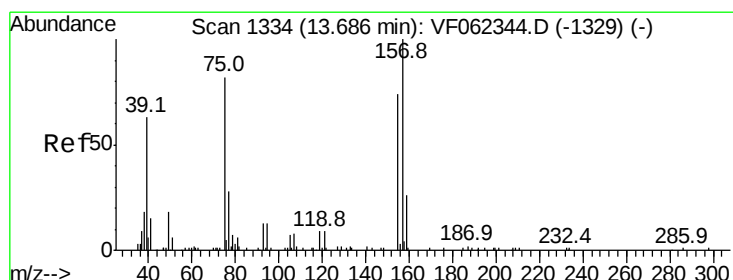
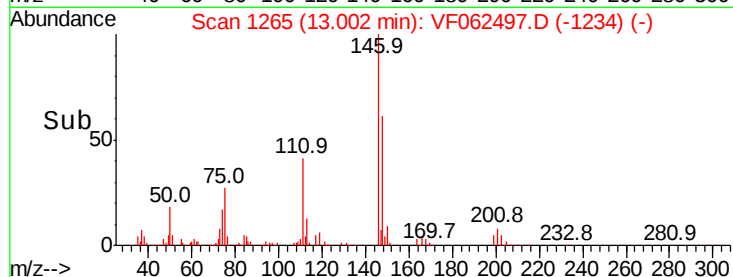
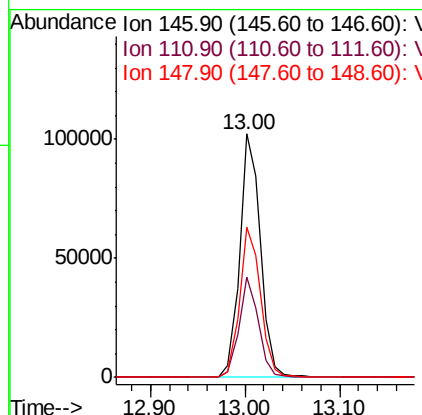
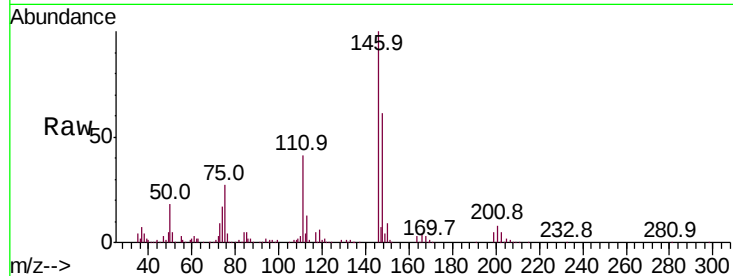
#91
 1,2-Dichlorobenzene
 Concen: 22.508 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. 0.01 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.8	20.0	60.0	
148	62.4	33.1	99.5	

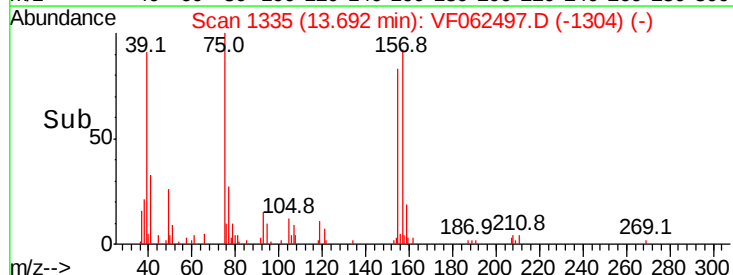
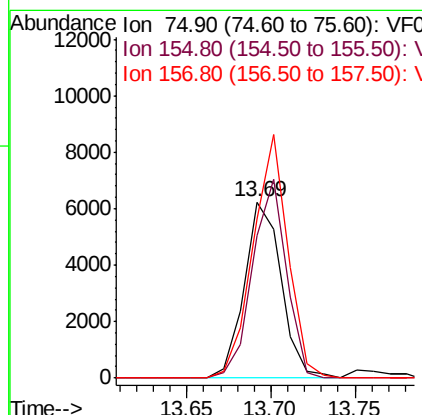
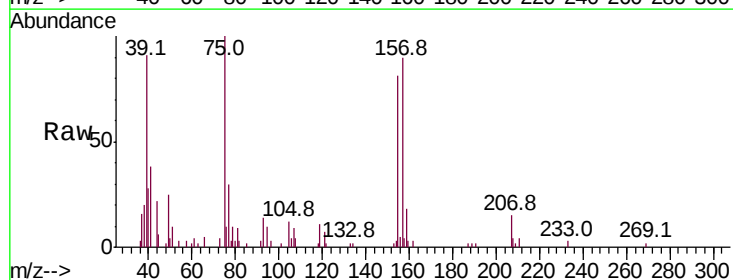
Manual Integrations
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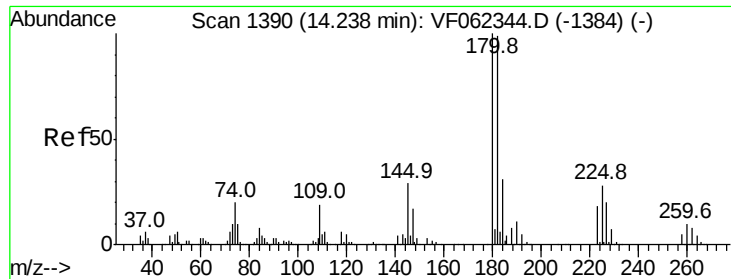
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.294 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	103.3	51.8	155.4	
157	129.3	67.3	201.8	





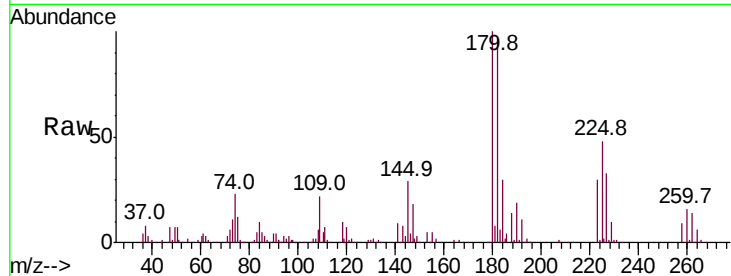
#93
 1,2,4-Trichlorobenzene
 Concen: 22.165 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.01 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0512SBS01

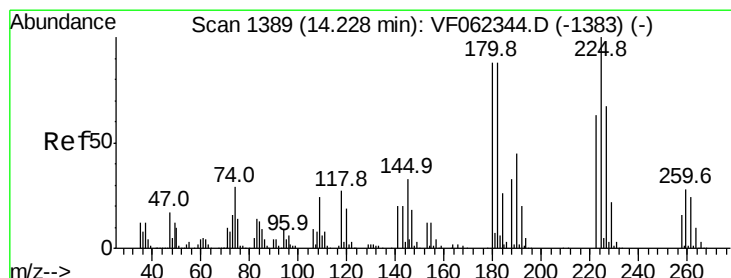
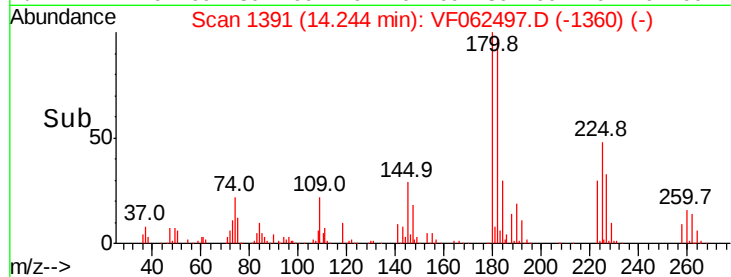
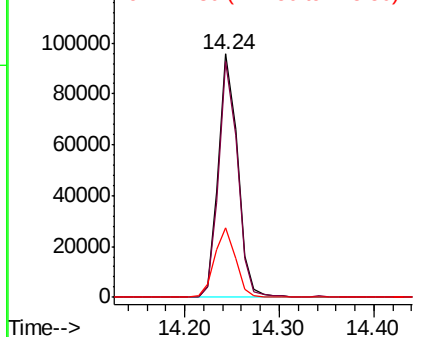
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	49.0	147.0	
145	31.6	16.7	50.1	

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 12:25:53 PM

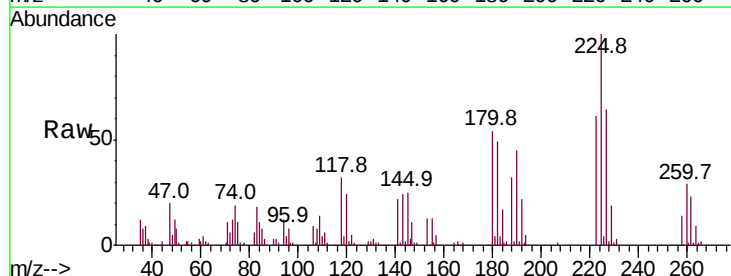


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

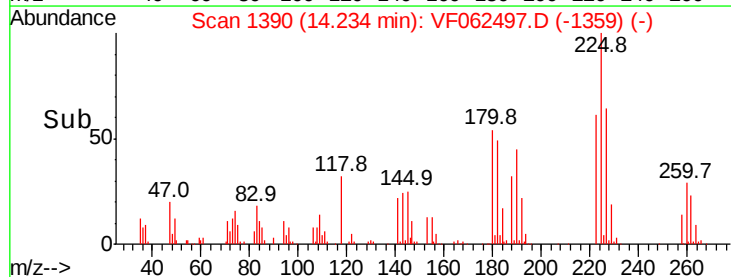
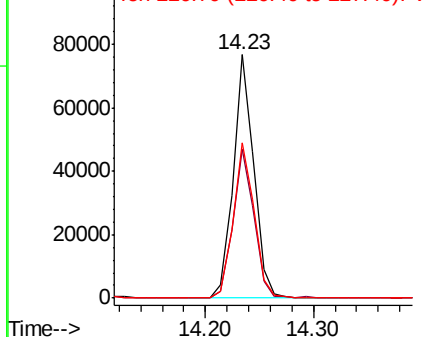


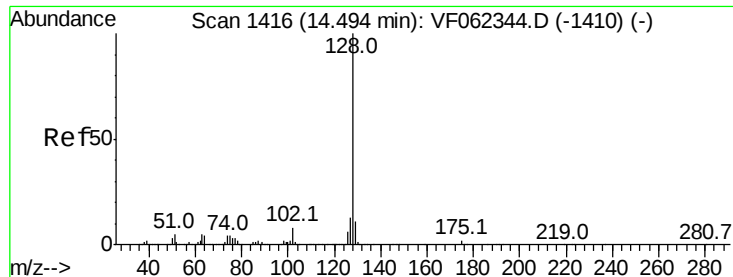
#94
 Hexachlorobutadiene
 Concen: 22.118 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VF062497.D
 Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	31.9	95.5	
227	65.2	33.1	99.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





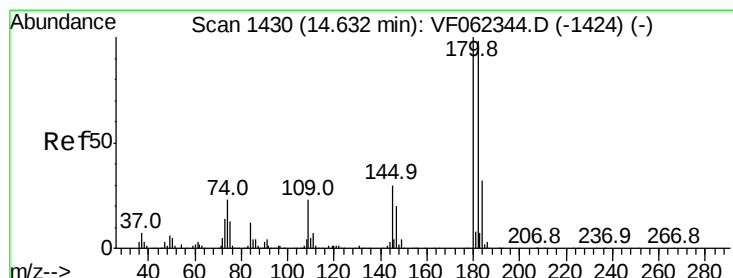
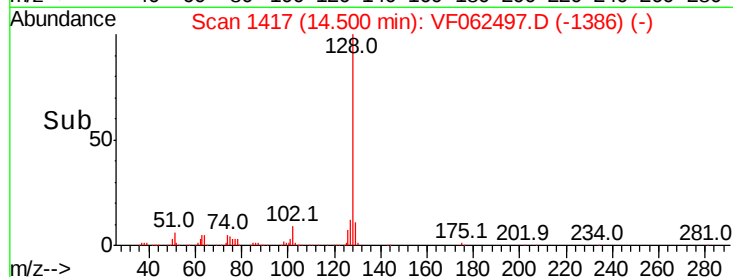
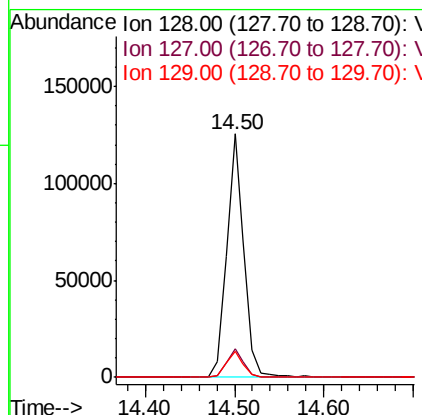
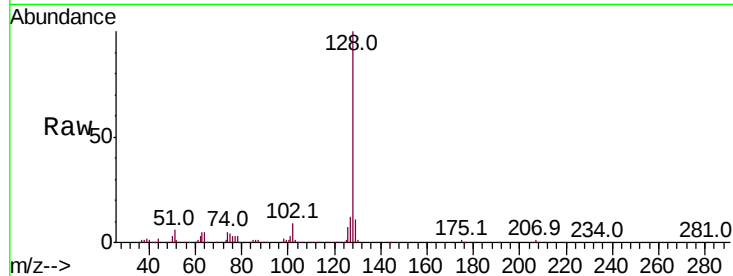
#95
Naphthalene
Concen: 18.464 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.01 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Instrument :
MSVOA_F
ClientSampleId :
VF0512SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	171191		
127	11.8	10.5	15.7	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
5/13/2019 12:25:53 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.357 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.02 min
Lab File: VF062497.D
Acq: 12 May 2019 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	127597		
182	96.2	49.4	148.0	
145	29.9	14.8	44.3	

