

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062637.D
 Acq On : 17 May 2019 14:38
 Operator : FY/SY
 Sample : VF0517SBS01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/20/2019 2:52:11 PM

Quant Time: May 17 16:13:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	882520	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1371091	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1034287	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	510981	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.05	65	264211	42.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	84.74%	
35) Dibromofluoromethane	4.32	113	484997	46.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.46%	
50) Toluene-d8	7.72	98	1143996	45.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.34%	
62) 4-Bromofluorobenzene	11.50	95	428043	45.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.10%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	211936	17.647	ug/l	90
3) Chloromethane	1.15	50	191682	17.334	ug/l	94
4) Vinyl Chloride	1.19	62	177039	17.392	ug/l	98
5) Bromomethane	1.41	94	87120	15.645	ug/l	86
6) Chloroethane	1.46	64	65045	17.399	ug/l #	87
7) Trichlorofluoromethane	1.56	101	218931	16.018	ug/l	95
8) Diethyl Ether	1.72	74	47790	17.650	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.92	101	139526	16.032	ug/l	97
10) Methyl Iodide	2.00	142	301518m	17.637	ug/l	
11) Tert butyl alcohol	2.72	59	41464	100.707	ug/l	95
12) 1,1-Dichloroethene	1.88	96	135501	17.092	ug/l	99
13) Acrolein	2.11	56	38506	89.594	ug/l	97
14) Allyl chloride	2.21	41	113535	15.823	ug/l	97
15) Acrylonitrile	3.10	53	165538	142.532	ug/l	97
16) Acetone	2.36	43	140329	86.735	ug/l	94
17) Carbon Disulfide	1.93	76	402476m	17.128	ug/l	
18) Methyl Acetate	2.47	43	54941	21.610	ug/l #	88
19) Methyl tert-butyl Ether	2.56	73	280995	19.827	ug/l	100
20) Methylene Chloride	2.36	84	144389m	17.805	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	146677m	18.929	ug/l	
22) Diisopropyl ether	2.95	45	349757	19.764	ug/l	97
23) Vinyl Acetate	3.35	43	1207541	101.153	ug/l	98
24) 1,1-Dichloroethane	3.02	63	239041	18.413	ug/l	96
25) 2-Butanone	4.54	43	332160	96.093	ug/l	97
26) 2,2-Dichloropropane	3.78	77	138386	18.630	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	248413	19.489	ug/l	97
28) Bromochloromethane	3.91	49	131969	18.125	ug/l	95
29) Tetrahydrofuran	4.29	42	145770	104.212	ug/l	98
30) Chloroform	4.06	83	341352	18.938	ug/l	97
31) Cyclohexane	3.88	56	335197m	19.229	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	223815m	18.697	ug/l	
36) 1,1-Dichloropropene	4.49	75	269885	19.210	ug/l	95
37) Ethyl Acetate	4.32	43	119159	20.772	ug/l #	72
38) Carbon Tetrachloride	4.20	117	169250	16.018	ug/l	95

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 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	366722	21.693	ug/l	99
40) Benzene	4.83	78	800080	20.904	ug/l	100
41) Methacrylonitrile	4.95	41	61543	20.464	ug/l	100
42) 1,2-Dichloroethane	5.14	62	154460	20.237	ug/l	98
43) Isopropyl Acetate	7.13	43	141083	18.984	ug/l	96
44) Trichloroethene	5.70	130	222172	20.653	ug/l	93
45) 1,2-Dichloropropane	6.42	63	189535	19.617	ug/l	92
46) Dibromomethane	6.27	93	113194	20.272	ug/l	99
47) Bromodichloromethane	6.57	83	227895	19.660	ug/l	99
48) Methyl methacrylate	6.89	41	72829	18.749	ug/l	91
49) 1,4-Dioxane	6.88	88	23702	476.406	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	525615	103.470	ug/l	97
52) Toluene	7.79	92	412655	20.558	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	186526	19.668	ug/l	90
54) cis-1,3-Dichloropropene	7.47	75	271046	20.417	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	123057	20.705	ug/l	96
56) Ethyl methacrylate	8.76	69	142528	20.129	ug/l	94
57) 1,3-Dichloropropane	9.01	76	209038	20.649	ug/l	96
58) 2-Chloroethyl Vinyl ether	7.46	63	220351	95.606	ug/l	97
59) 2-Hexanone	9.63	43	346385	93.658	ug/l	98
60) Dibromochloromethane	8.87	129	160688	20.745	ug/l	99
61) 1,2-Dibromoethane	9.14	107	135731	21.501	ug/l	99
64) Tetrachloroethene	8.31	164	166656	20.339	ug/l	96
65) Chlorobenzene	9.95	112	421986	20.773	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	166818	20.456	ug/l	97
67) Ethyl Benzene	10.04	91	739117	20.944	ug/l	95
68) m/p-Xylenes	10.26	106	524732	39.561	ug/l	81
69) o-Xylene	10.82	106	291278	21.321	ug/l	94
70) Styrene	10.90	104	410091	19.749	ug/l	99
71) Bromoform	10.88	173	82644	20.234	ug/l #	96
73) Isopropylbenzene	11.22	105	789665	21.562	ug/l	94
74) N-amyl acetate	11.45	43	211720	19.421	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	157138	20.995	ug/l	95
76) 1,2,3-Trichloropropane	11.88	75	93064	18.924	ug/l	100
77) Bromobenzene	11.58	156	178326	19.589	ug/l	89
78) n-propylbenzene	11.68	91	927226	21.393	ug/l	96
79) 2-Chlorotoluene	11.80	91	535189	21.911	ug/l	94
80) 1,3,5-Trimethylbenzene	11.90	105	593525	20.211	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.95	75	41904m	19.170	ug/l	
82) 4-Chlorotoluene	11.98	91	470951	19.552	ug/l	95
83) tert-Butylbenzene	12.20	119	626501	21.028	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	605074	21.289	ug/l	96
85) sec-Butylbenzene	12.37	105	848808	21.229	ug/l	96
86) p-Isopropyltoluene	12.53	119	718460	21.322	ug/l	95
87) 1,3-Dichlorobenzene	12.54	146	341214	20.718	ug/l	95
88) 1,4-Dichlorobenzene	12.63	146	309697	20.038	ug/l	98
89) n-Butylbenzene	12.90	91	703430	21.173	ug/l	90
90) Hexachloroethane	12.98	117	172616	21.355	ug/l	80
91) 1,2-Dichlorobenzene	13.00	146	304135	20.716	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	19934	22.326	ug/l	84

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Misc : 5.00µ/5mL/MSVOA F/SOIL
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
VF0517SBSD01

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	220764	21.008	µg/l	92
94) Hexachlorobutadiene	14.23	225	151584	20.670	µg/l	98
95) Naphthalene	14.50	128	397340	20.813	µg/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	225316	22.636	µg/l	97

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

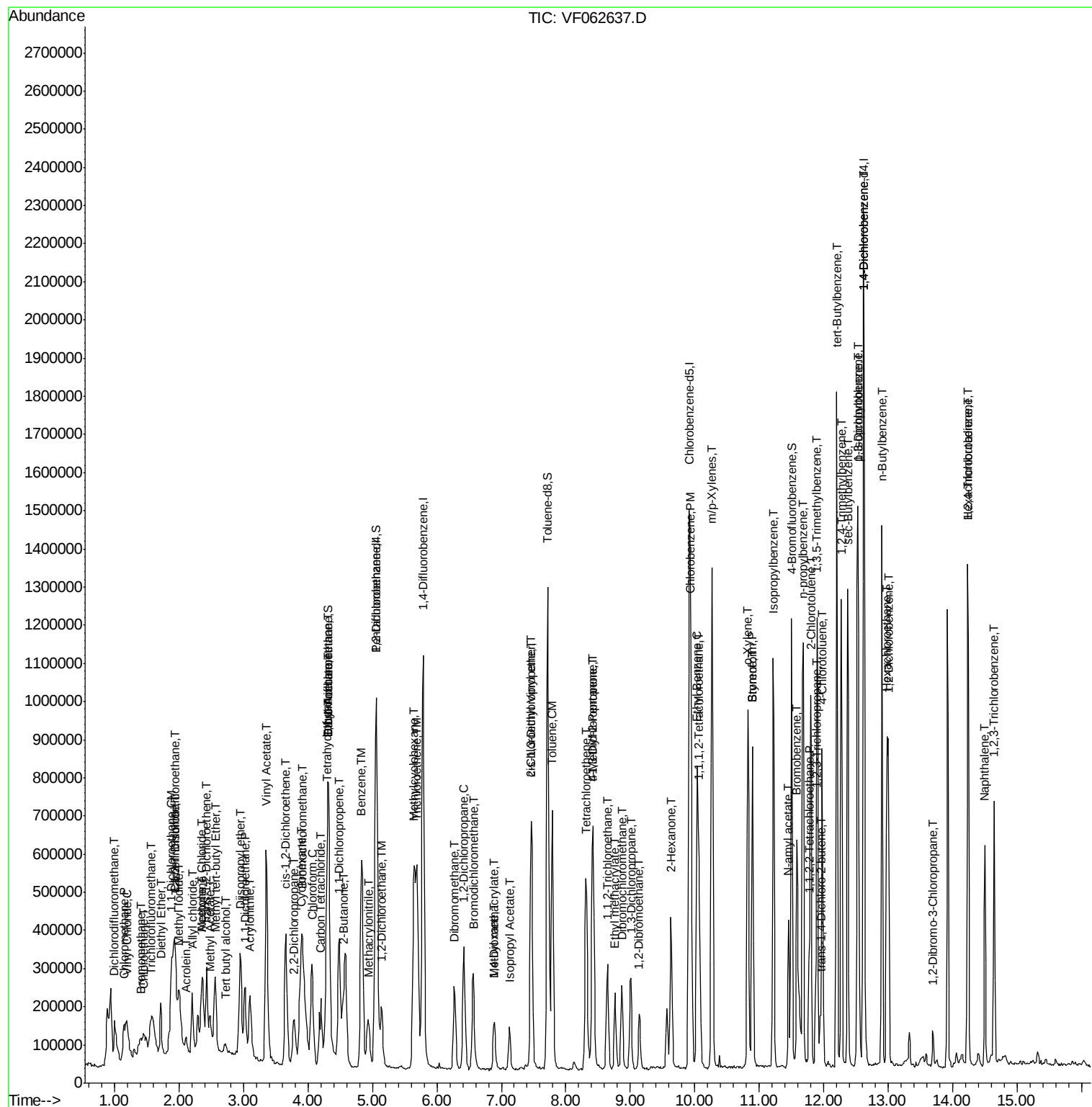
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF051719\
 Data File : VF062637.D
 Acq On : 17 May 2019 14:38
 Operator : FY/SY
 Sample : VF0517SBSD01
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

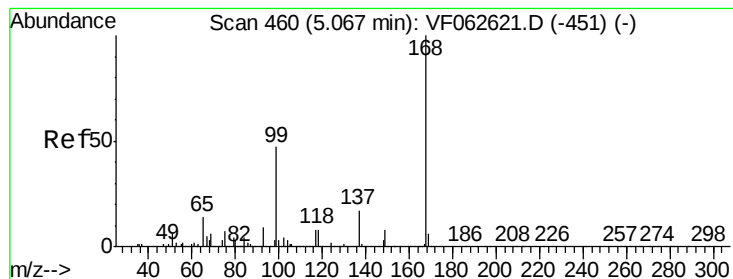
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBSD01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:168 Resp: 882520

Ion Ratio Lower Upper

168 100

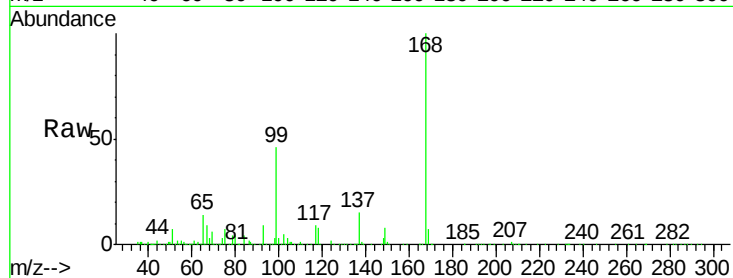
99 46.2 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

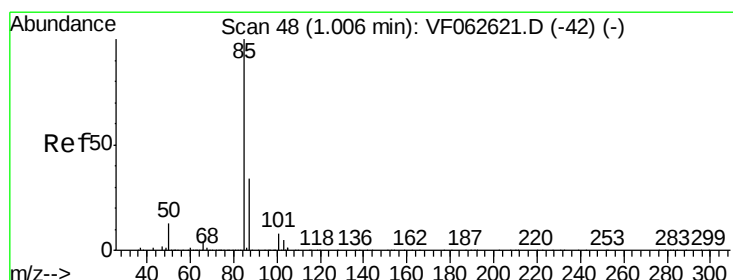
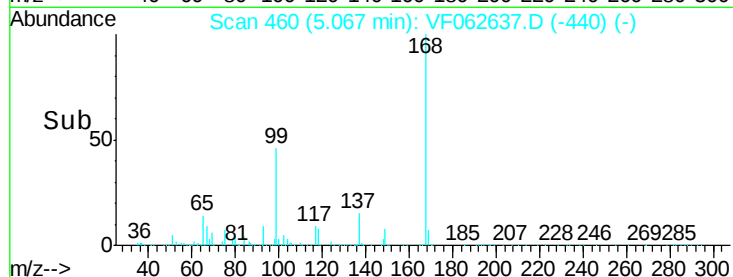
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.647 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062637.D

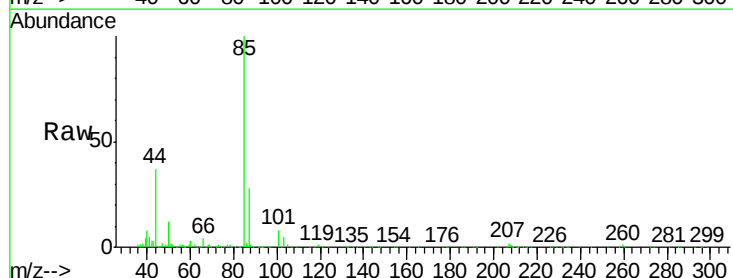
Acq: 17 May 2019 14:38

Tgt Ion: 85 Resp: 211936

Ion Ratio Lower Upper

85 100

87 27.9 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

60000

50000

40000

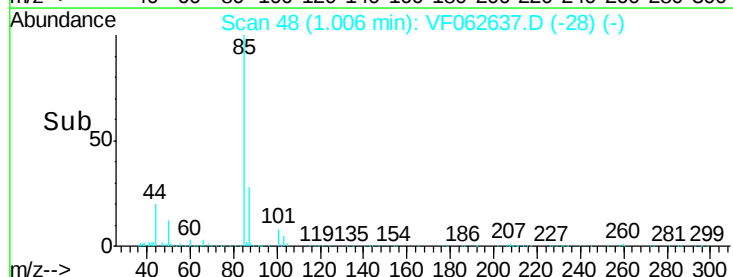
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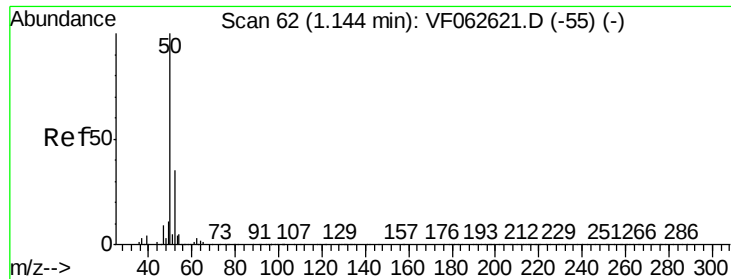
20000

10000

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Time-->





#3

Chloromethane

Concen: 17.334 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 50 Resp: 191682

Ion Ratio Lower Upper

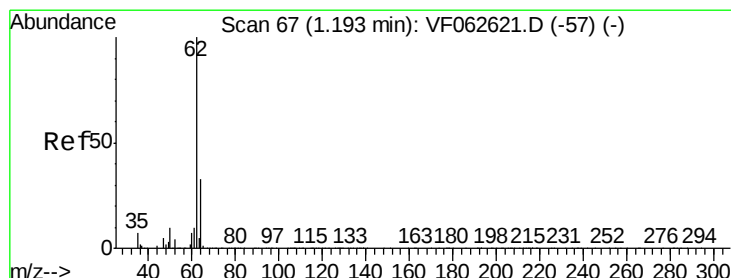
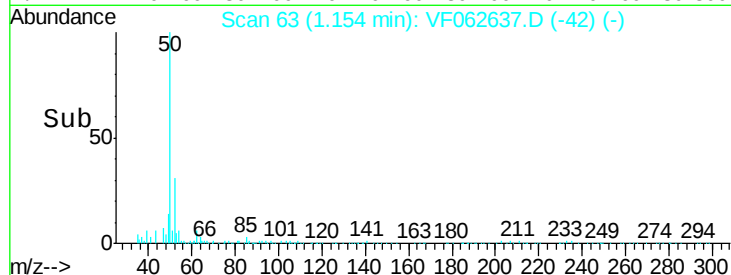
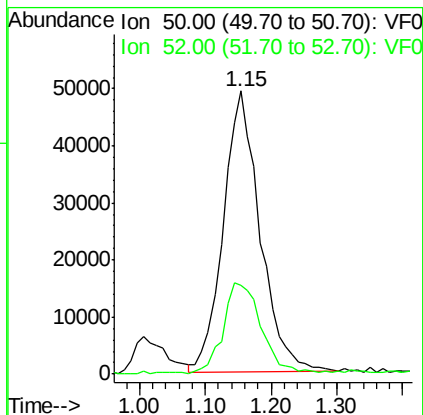
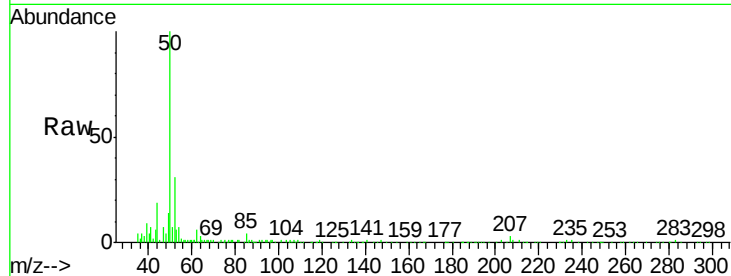
50 100

52 31.2 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 17.392 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062637.D

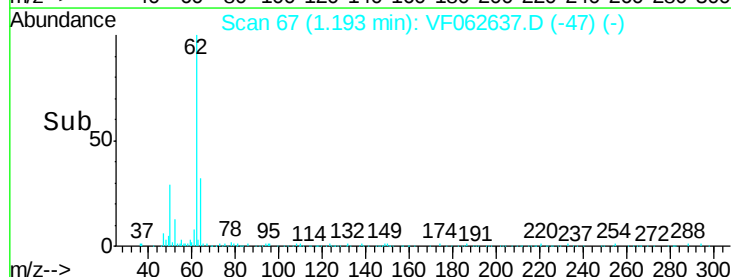
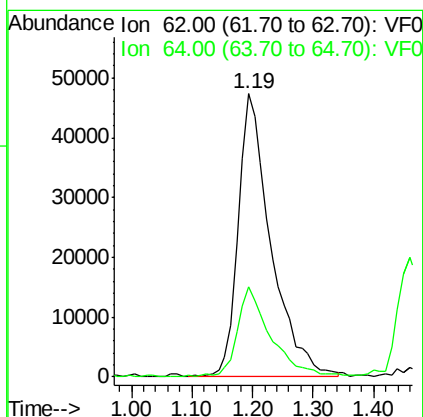
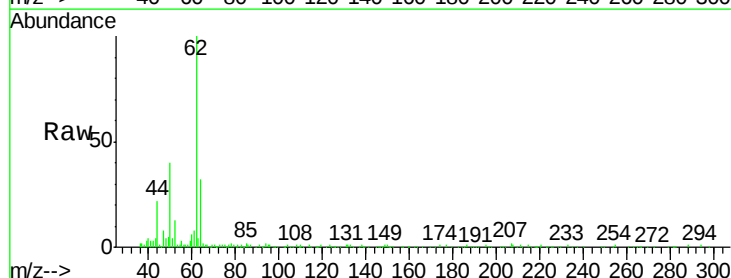
Acq: 17 May 2019 14:38

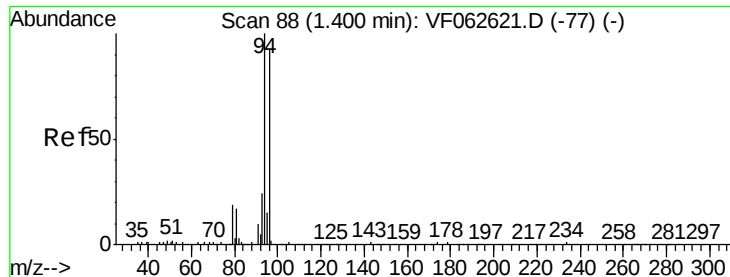
Tgt Ion: 62 Resp: 177039

Ion Ratio Lower Upper

62 100

64 32.0 26.7 40.1





#5

Bromomethane

Concen: 15.645 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 94 Resp: 87120

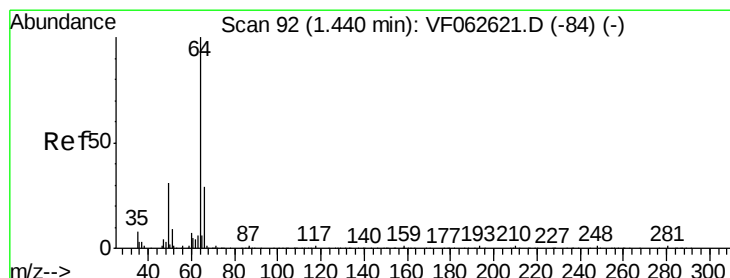
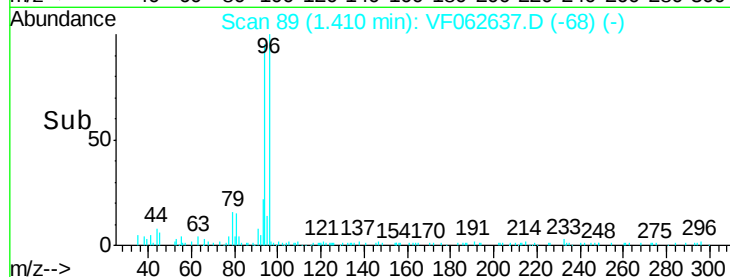
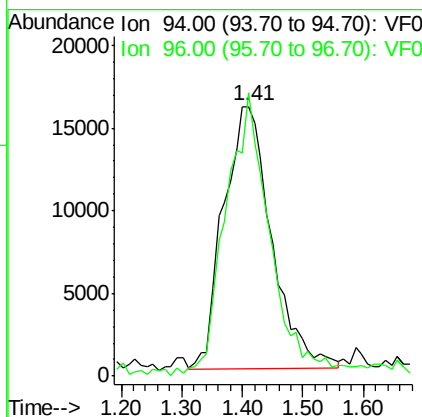
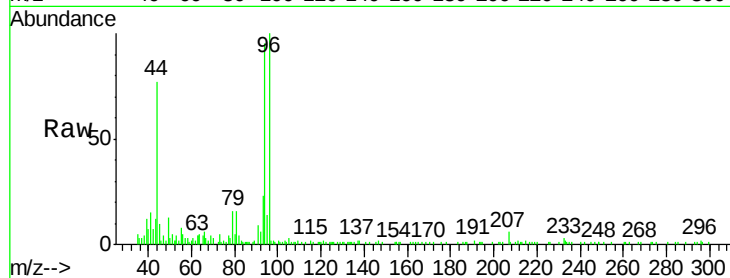
Ion Ratio Lower Upper

94 100

96 104.9 73.2 109.8

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#6

Chloroethane

Concen: 17.399 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062637.D

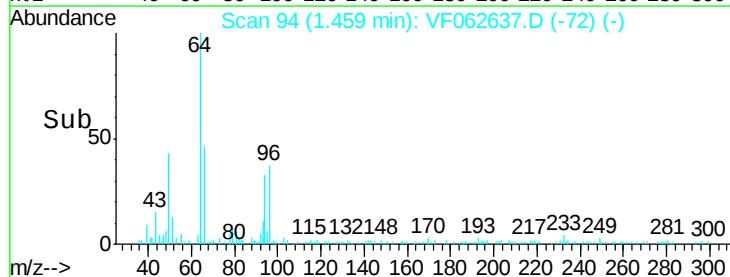
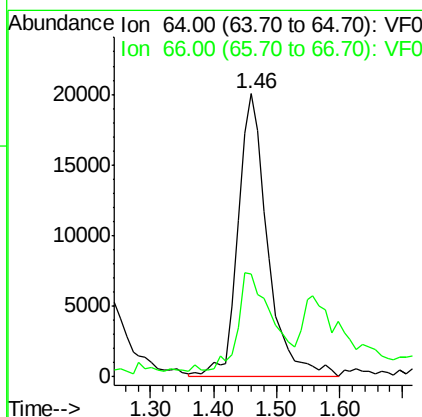
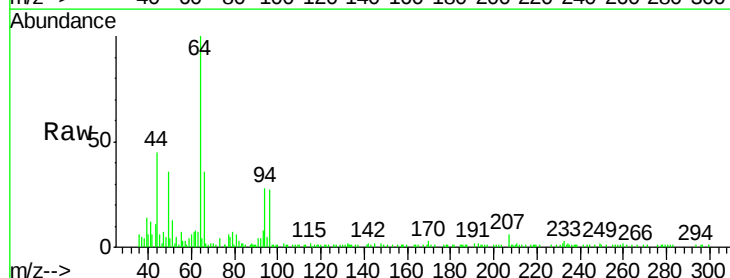
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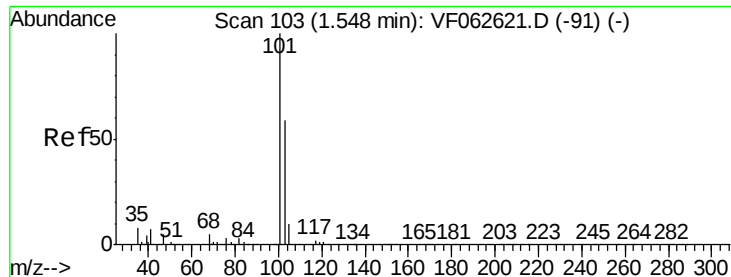
Tgt Ion: 64 Resp: 65045

Ion Ratio Lower Upper

64 100

66 36.5 23.4 35.2#





#7

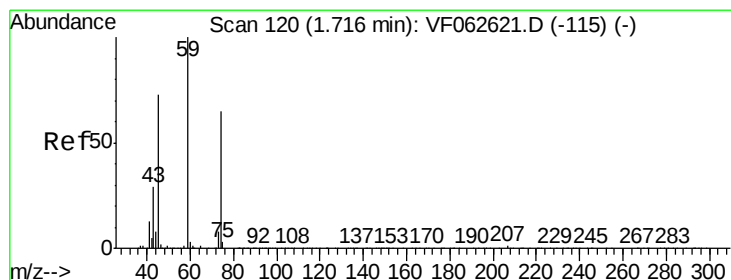
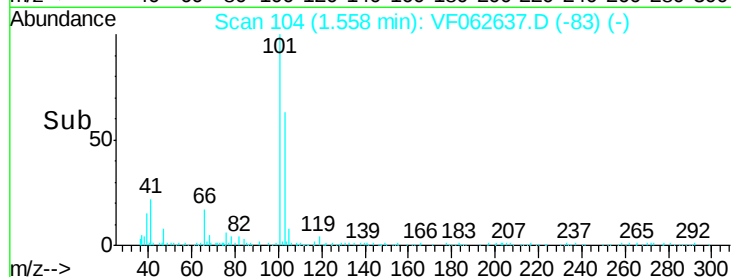
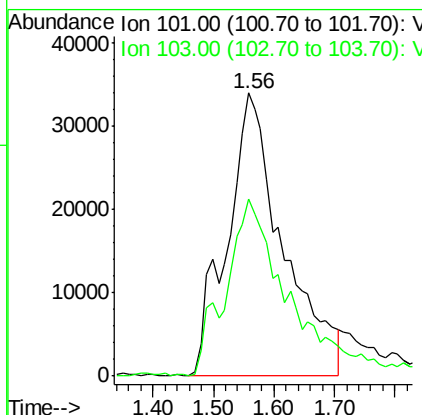
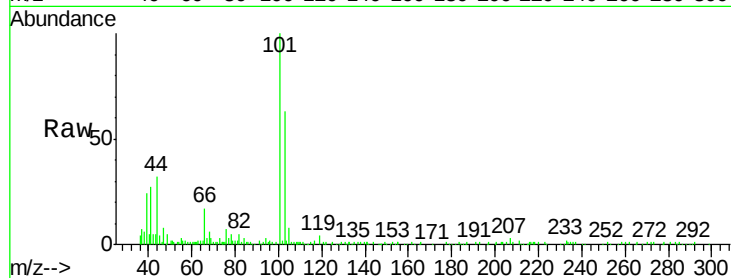
Trichlorofluoromethane
Concen: 16.018 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.7	47.3	70.9

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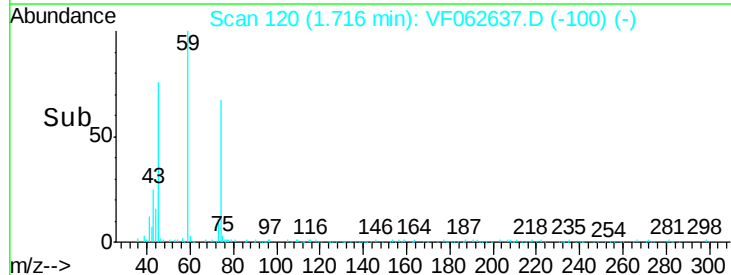
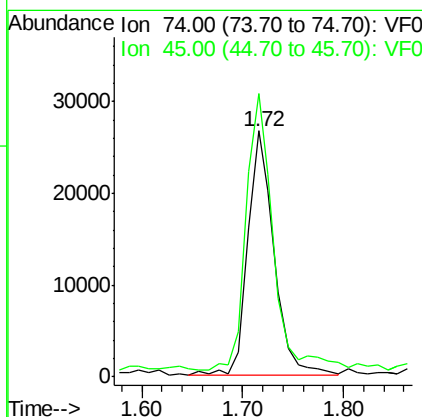
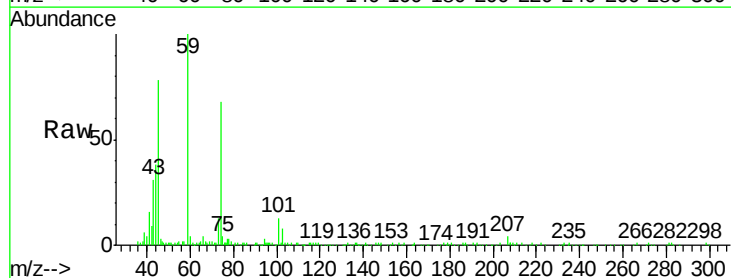
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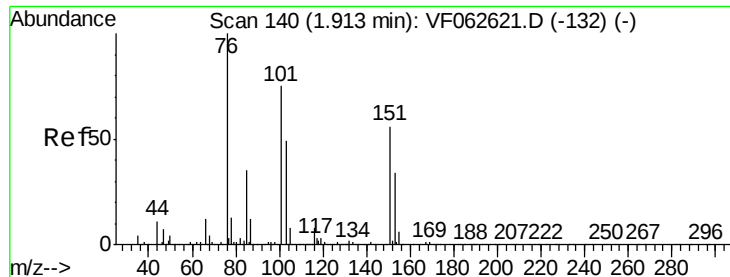


#8

Diethyl Ether
Concen: 17.650 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	115.2	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.032 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

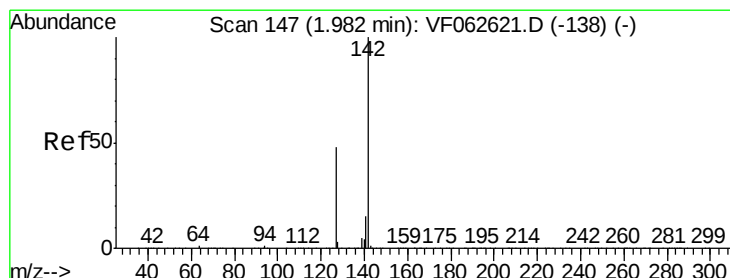
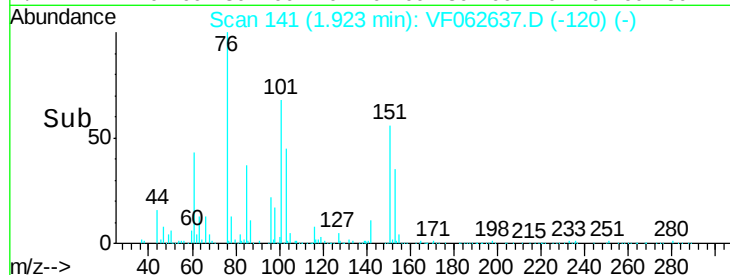
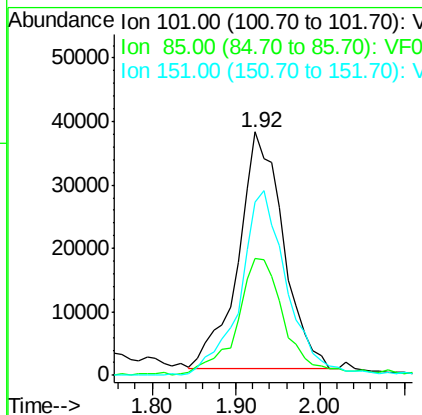
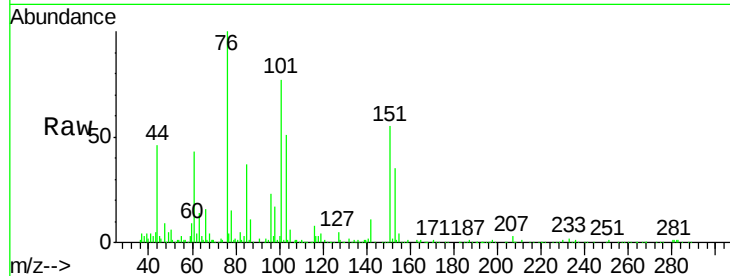
ClientSampleId :

VF0517SBS01

Tot Ion:	101	Resp:	139526
Ion Ratio	Lower	Upper	
101	100		
85	48.0	37.1	55.7
151	71.3	58.8	88.2

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#10

Methyl Iodide

Concen: 17.637 ug/l m

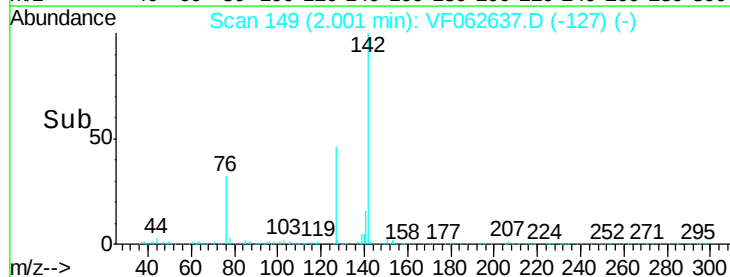
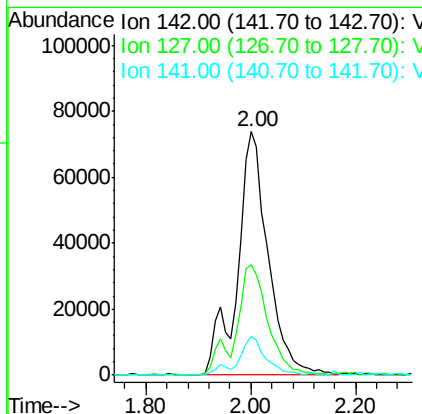
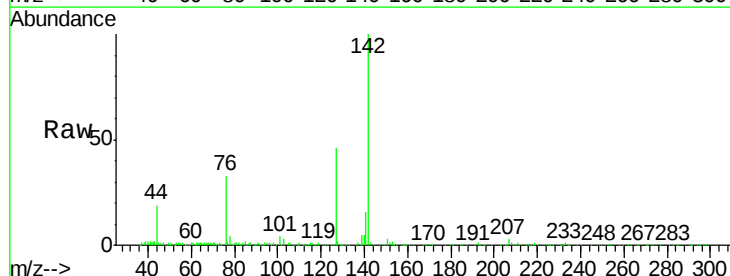
RT: 2.00 min Scan# 149

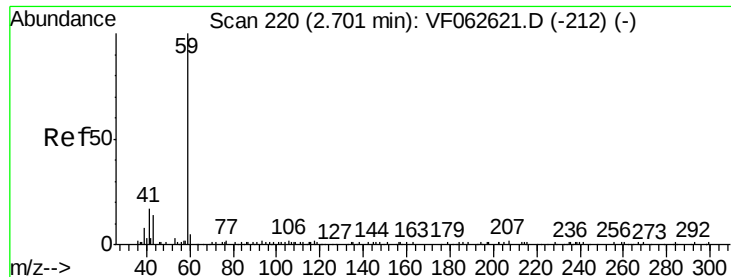
Delta R.T. 0.02 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	142	Resp:	301518
Ion Ratio	Lower	Upper	
142	100		
127	45.6	38.1	57.1
141	15.7	11.7	17.5





#11

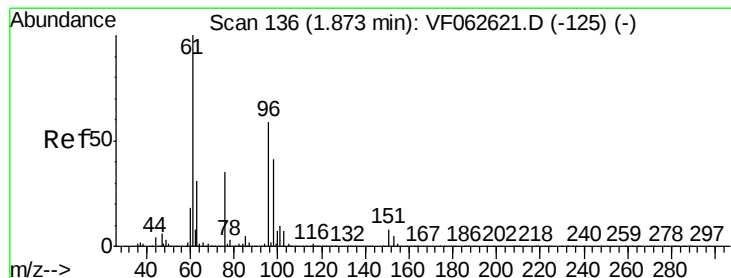
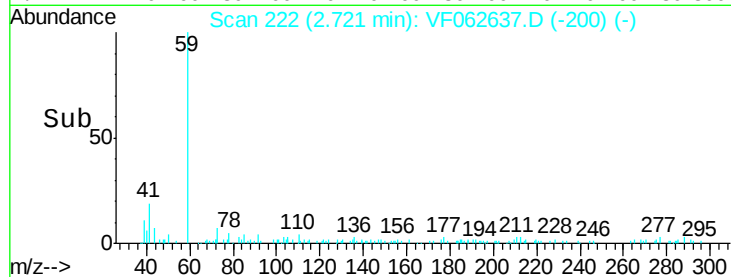
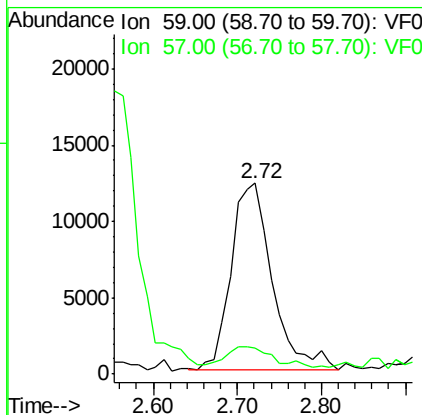
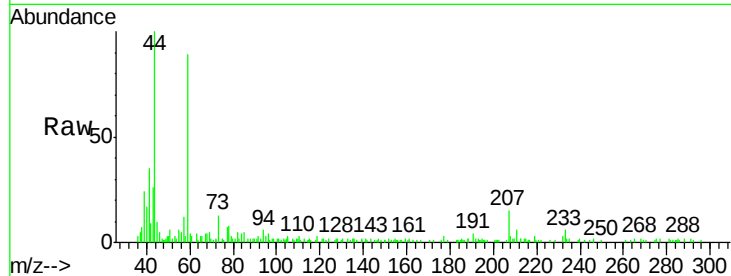
Tert butyl alcohol
Concen: 100.707 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.4	9.3	13.9

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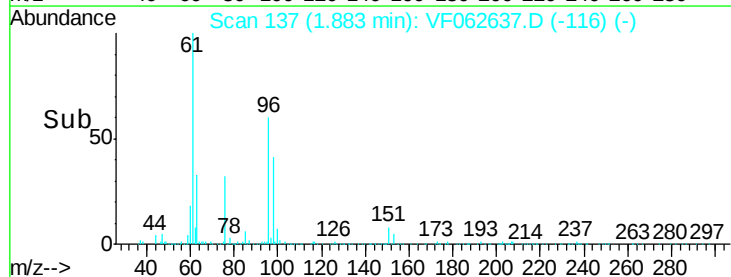
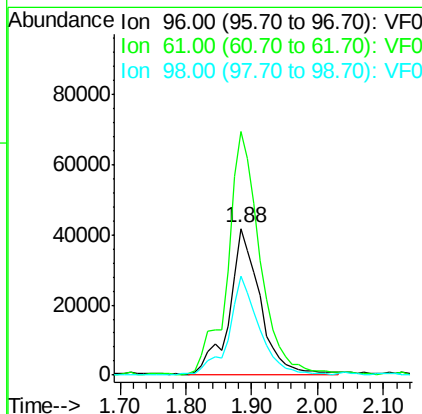
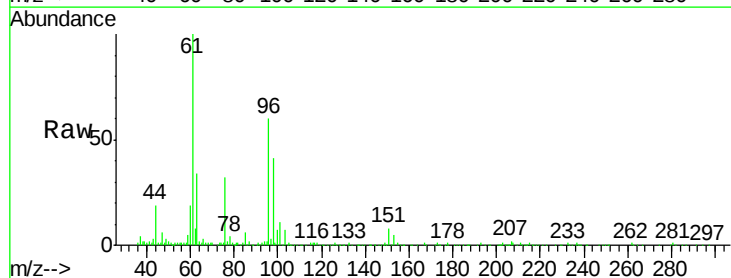
MMDadoda
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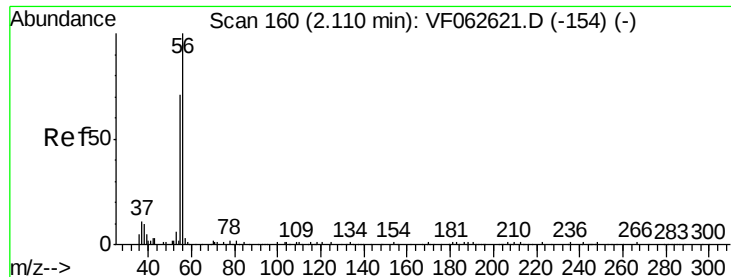


#12

1,1-Dichloroethene
Concen: 17.092 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.1	134.3	201.5
98	67.7	55.0	82.6





#13

Acrolein

Concen: 89.594 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 56 Resp: 38506

Ion Ratio Lower Upper

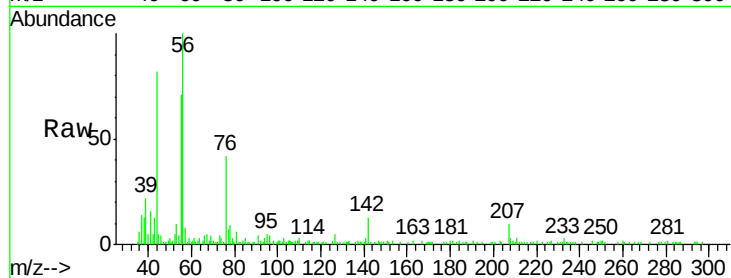
56 100

55 71.5 59.4 89.0

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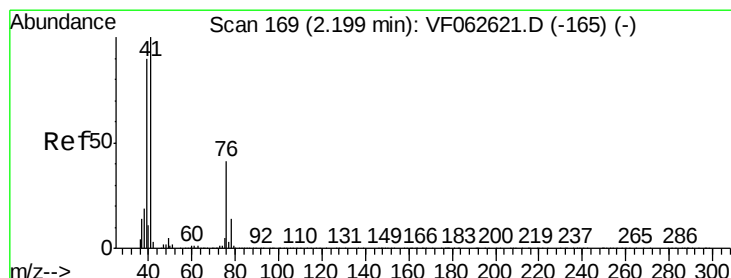
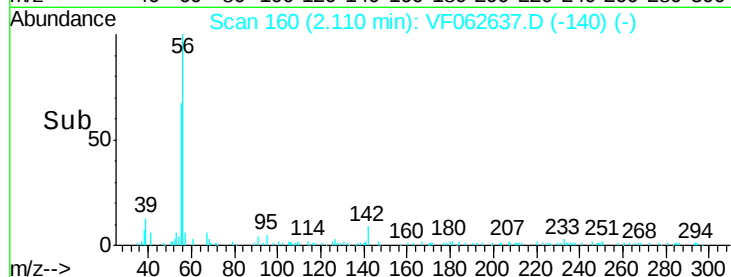
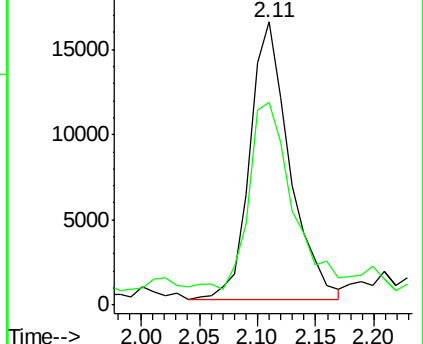
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 15.823 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

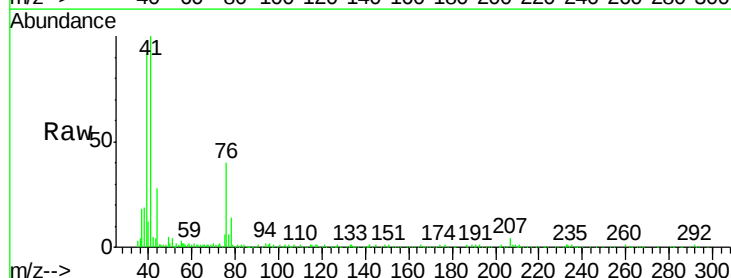
Tgt Ion: 41 Resp: 113535

Ion Ratio Lower Upper

41 100

39 91.8 72.0 108.0

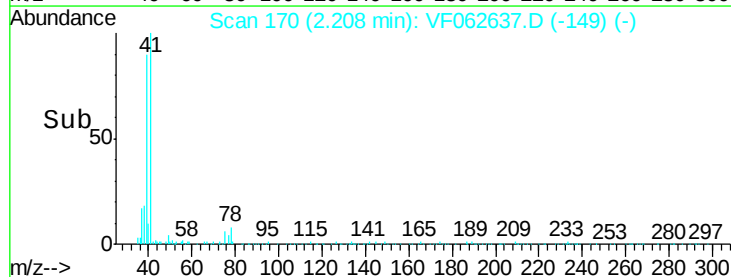
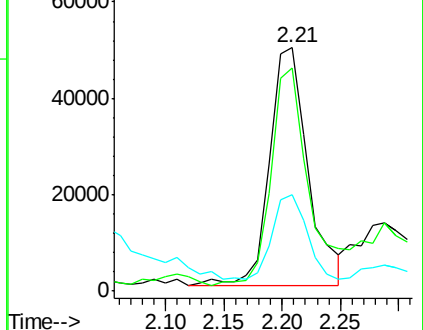
76 39.7 34.8 52.2

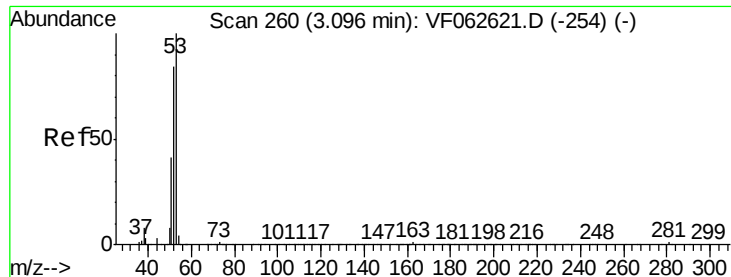


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 142.532 ug/l

RT: 3.10 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

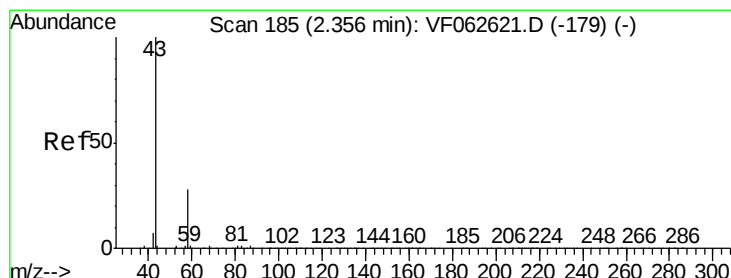
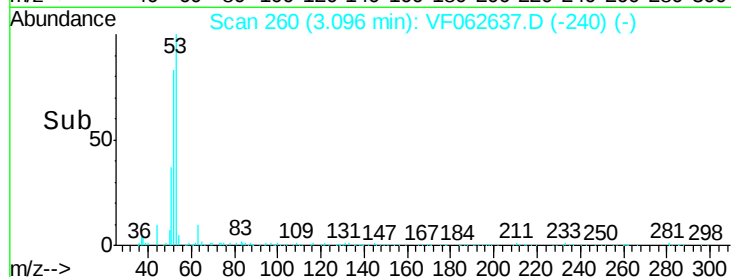
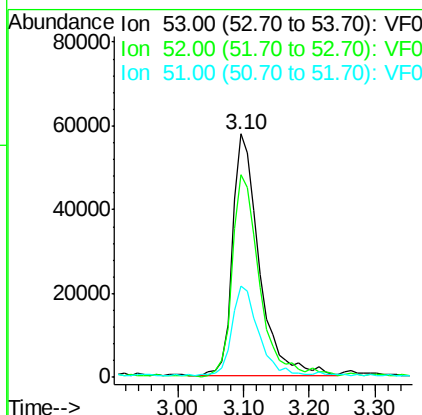
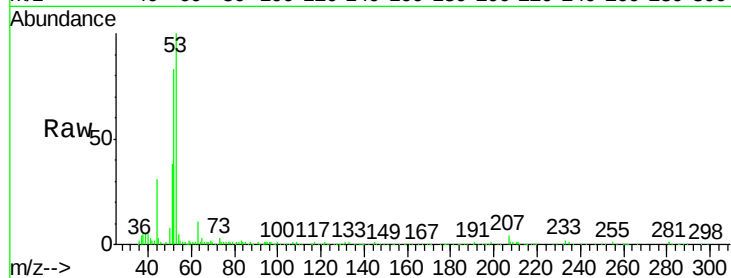
ClientSampleId :

VF0517SBS01

Tot Ion:	53	Resp:	165538
Ion Ratio		Lower	Upper
53	100		
52	83.0	67.3	100.9
51	37.7	33.0	49.6

Manual Integrations
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#16

Acetone

Concen: 86.735 ug/l

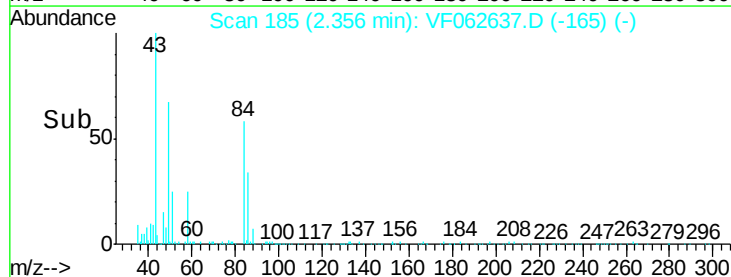
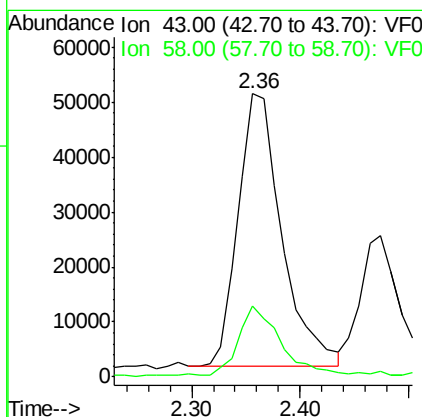
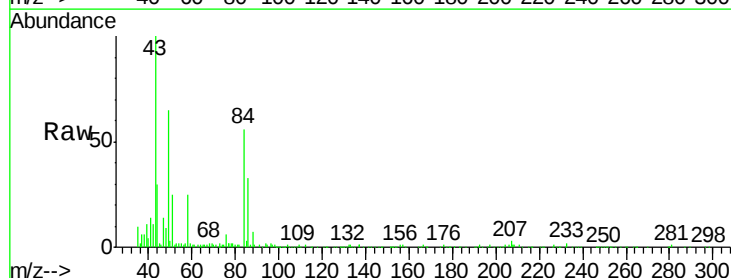
RT: 2.36 min Scan# 185

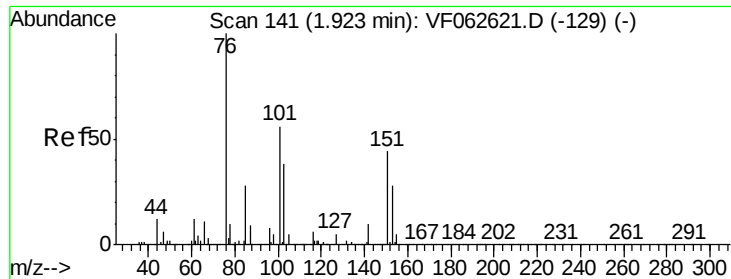
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	43	Resp:	140329
Ion Ratio		Lower	Upper
43	100		
58	25.0	22.6	33.8





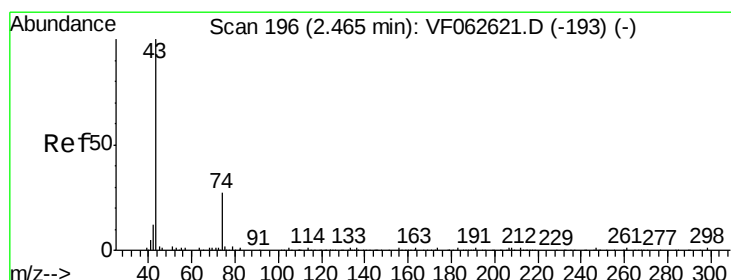
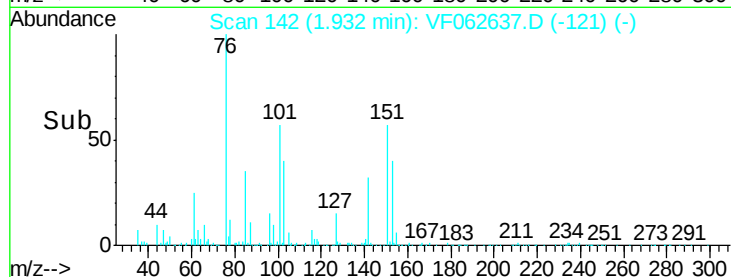
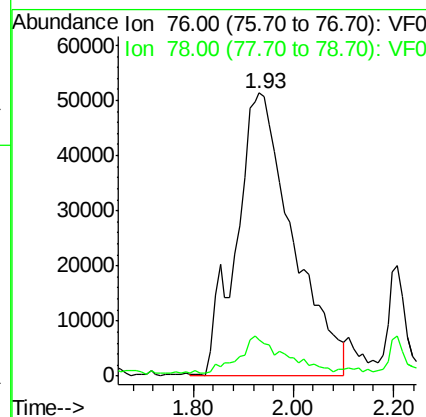
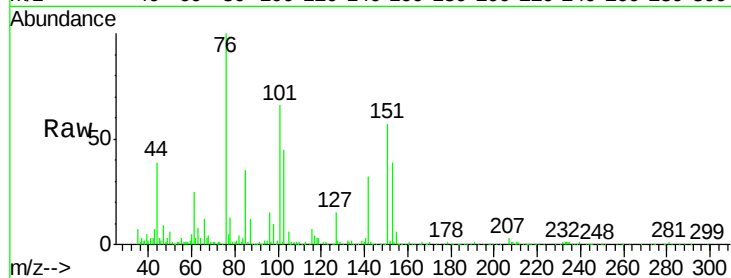
#17
Carbon Disulfide
Concen: 17.128 ug/l m
RT: 1.93 min Scan# 142
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion: 76 Resp: 402476
Ion Ratio Lower Upper
76 100
78 12.9 8.4 12.6#

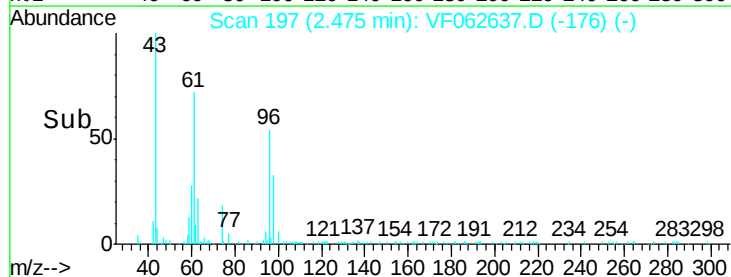
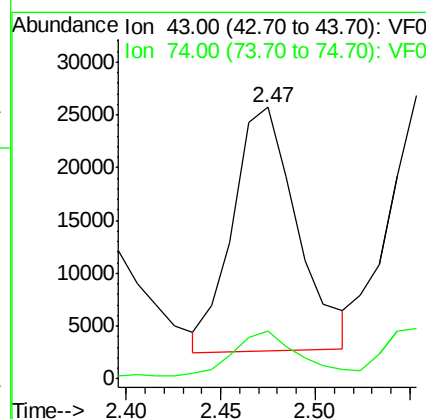
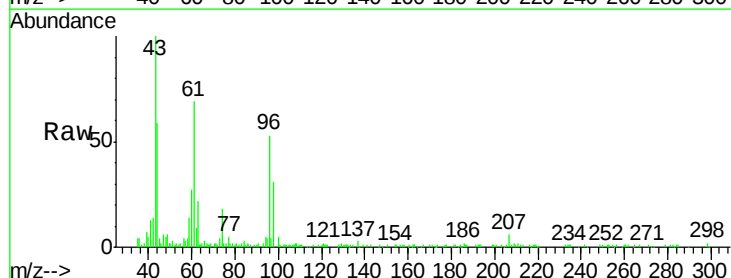
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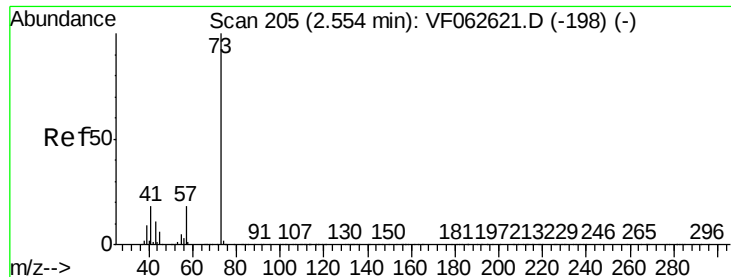
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#18
Methyl Acetate
Concen: 21.610 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion: 43 Resp: 54941
Ion Ratio Lower Upper
43 100
74 17.7 18.9 28.3#





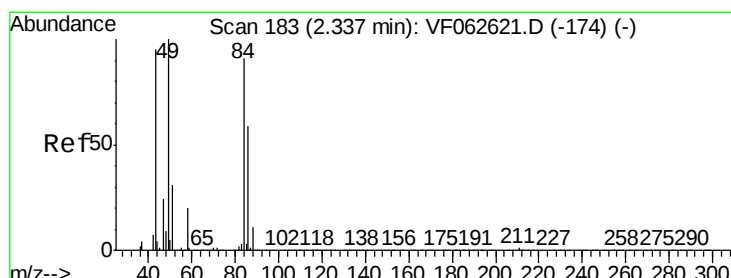
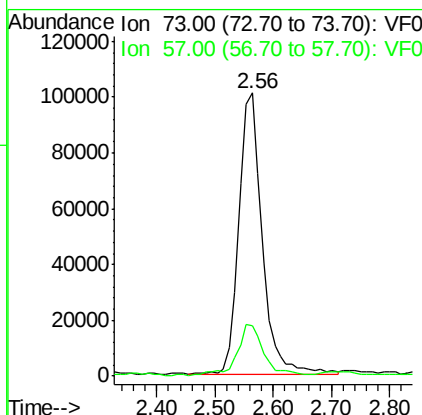
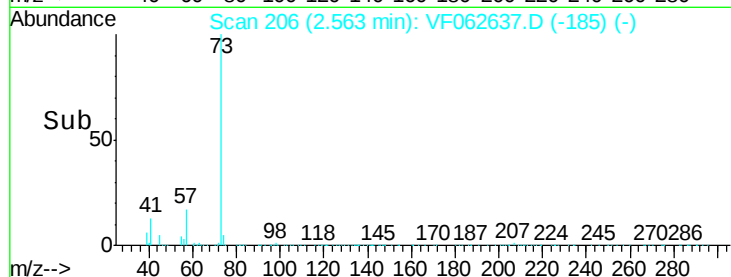
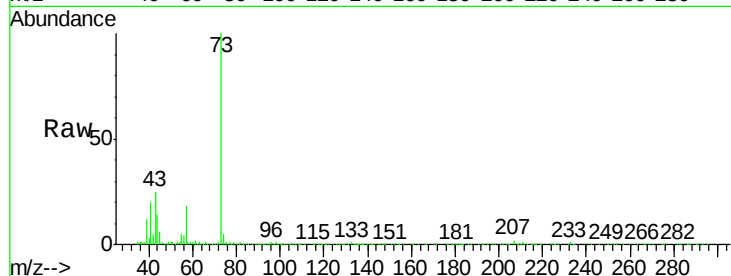
#19
Methyl tert-butyl Ether
Concen: 19.827 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.0	14.2	21.4

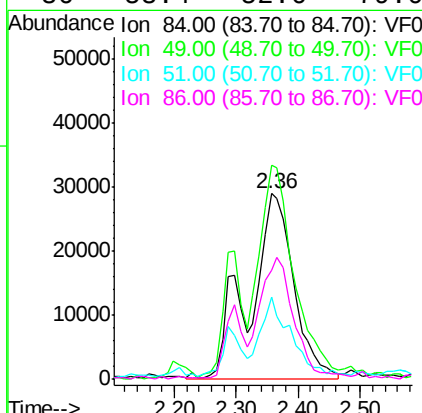
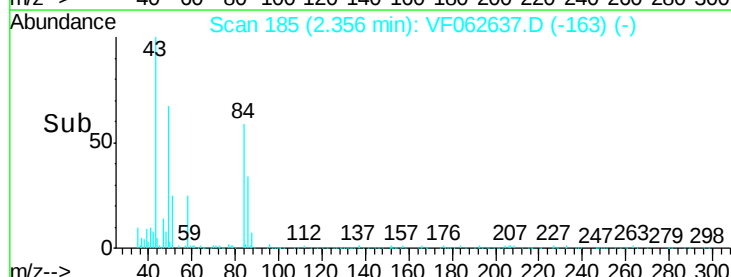
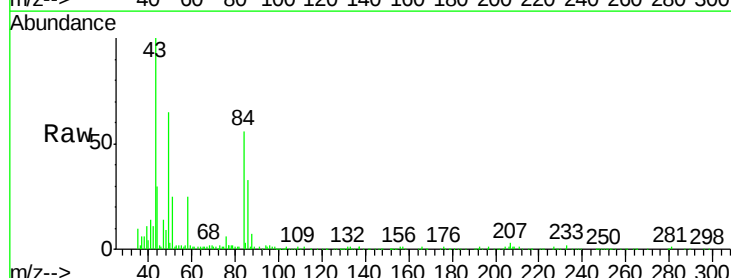
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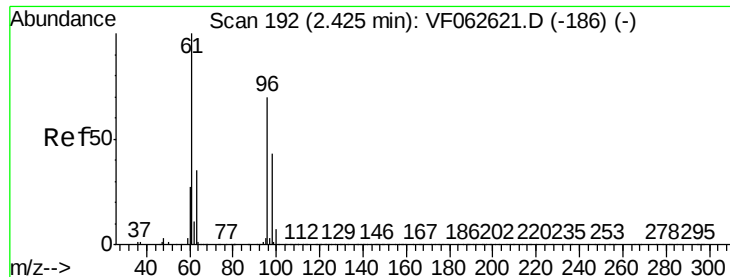
MMDadoda
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#20
Methylene Chloride
Concen: 17.805 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. 0.02 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	115.3	89.8	134.8
51	44.6	28.4	42.6
86	58.4	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 18.929 ug/l m

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

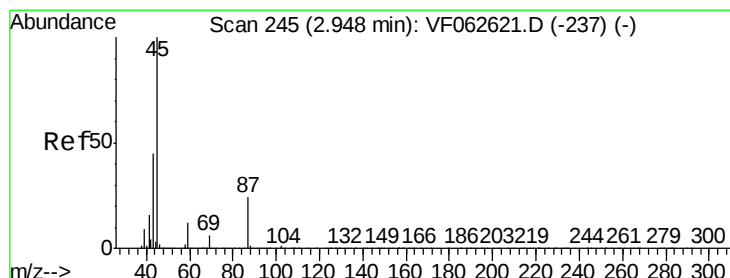
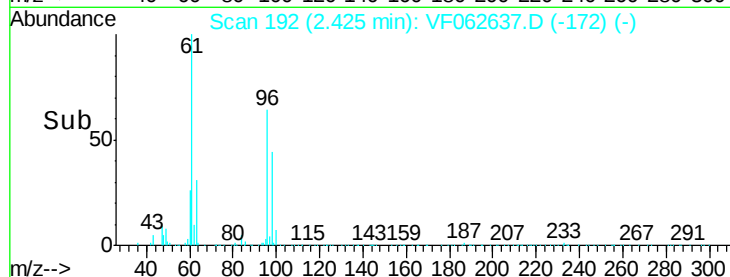
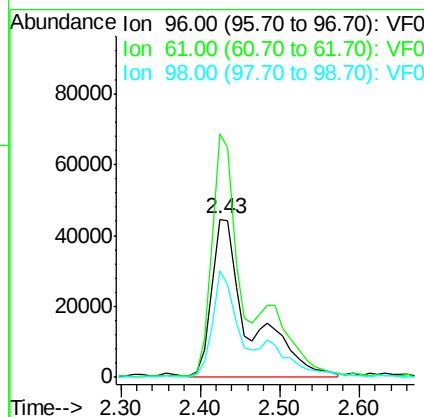
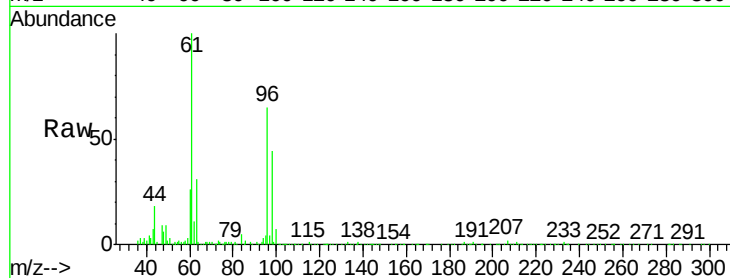
ClientSampleId :

VF0517SBS01

Tot Ion:	96	Resp:	146677
Ion	Ratio	Lower	Upper
96	100		
61	154.2	114.6	171.8
98	67.3	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.764 ug/l

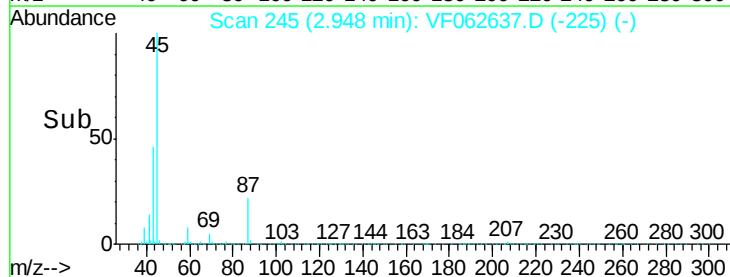
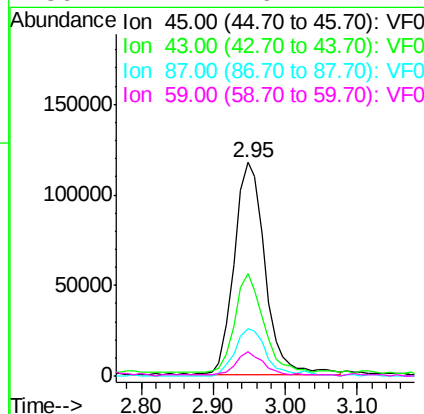
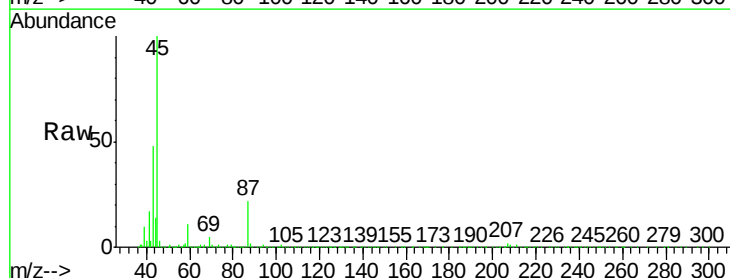
RT: 2.95 min Scan# 245

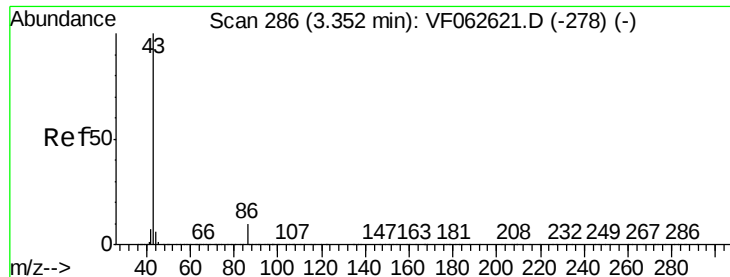
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	45	Resp:	349757
Ion	Ratio	Lower	Upper
45	100		
43	47.9	36.4	54.6
87	22.2	19.3	28.9
59	11.1	9.4	14.2





#23

Vinyl Acetate

Concen: 101.153 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 1207541

Ion Ratio Lower Upper

43 100

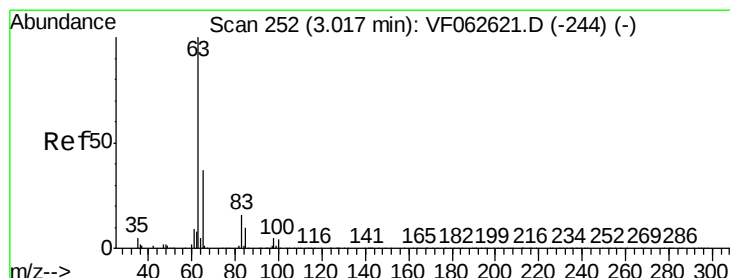
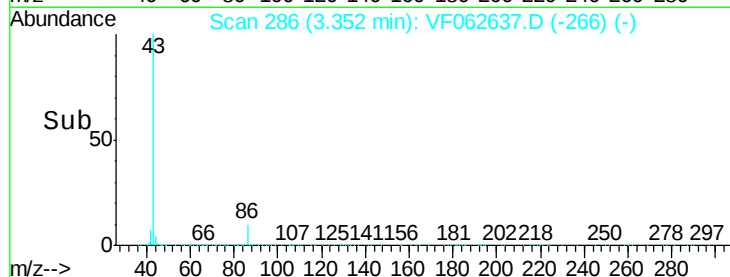
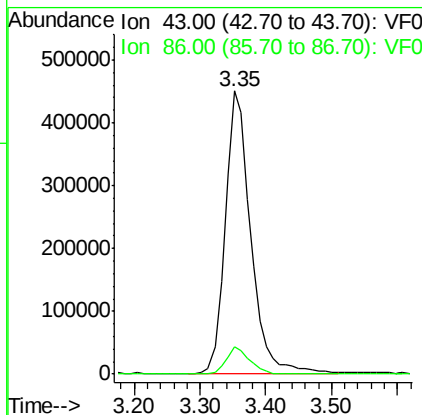
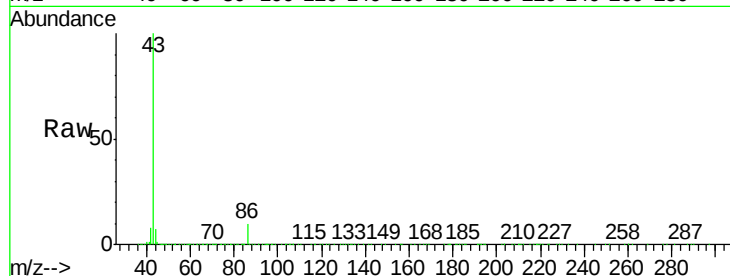
86 9.6 8.2 12.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 18.413 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

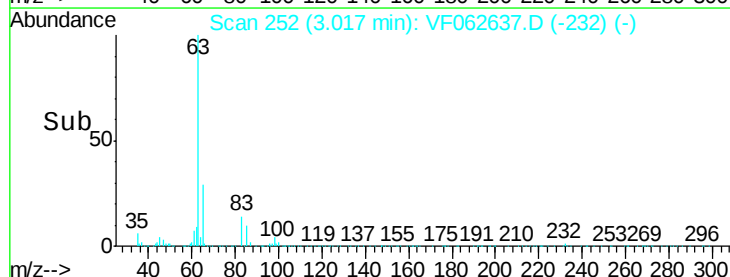
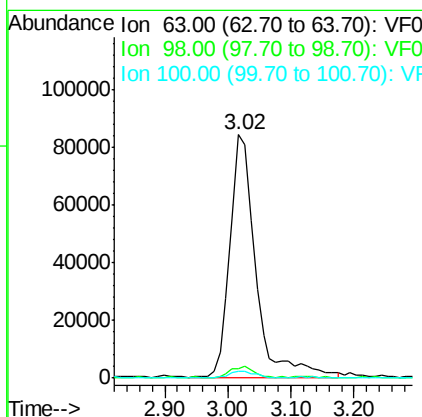
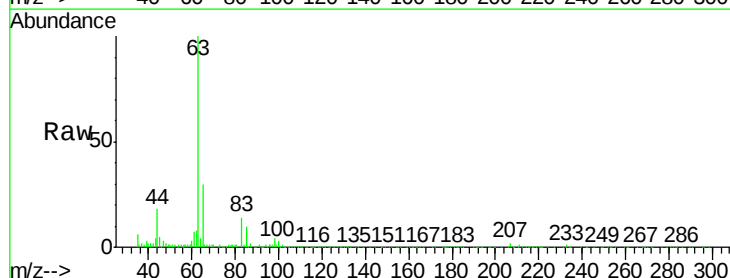
Tgt Ion: 63 Resp: 239041

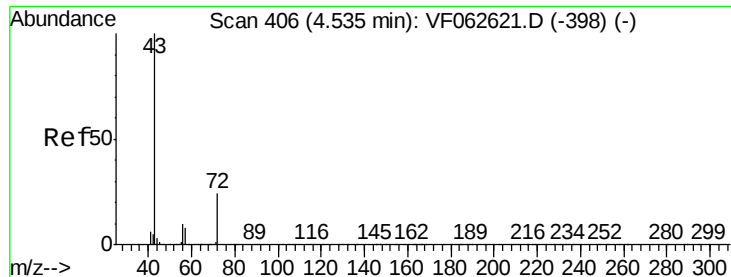
Ion Ratio Lower Upper

63 100

98 3.8 2.8 8.3

100 2.8 1.9 5.7





#25

2-Butanone

Concen: 96.093 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 332160

Ion Ratio Lower Upper

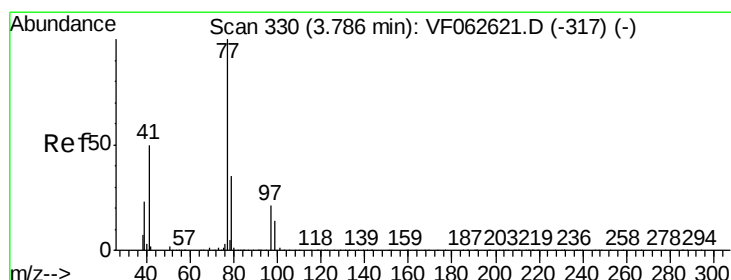
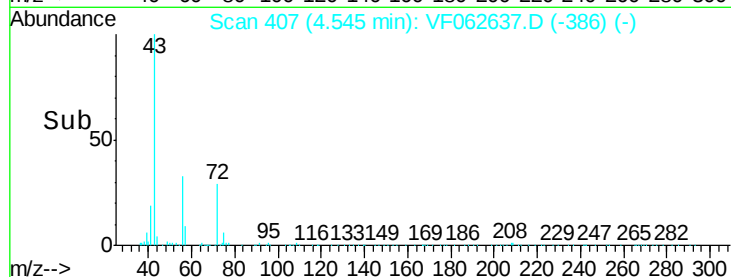
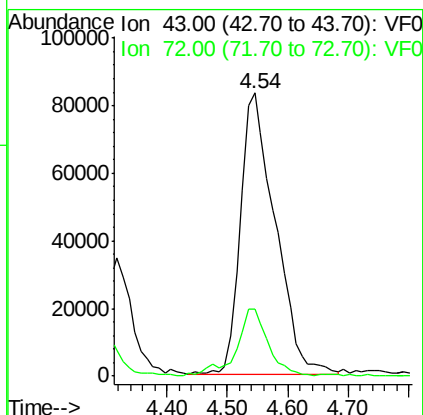
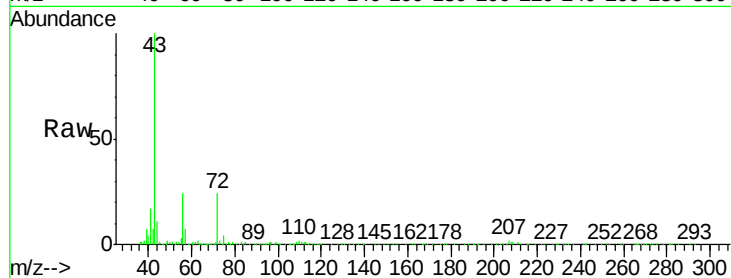
43 100

72 23.7 20.1 30.1

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#26

2,2-Dichloropropane

Concen: 18.630 ug/l

RT: 3.78 min Scan# 329

Delta R.T. -0.01 min

Lab File: VF062637.D

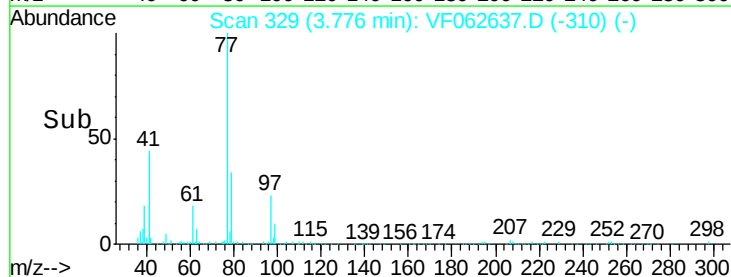
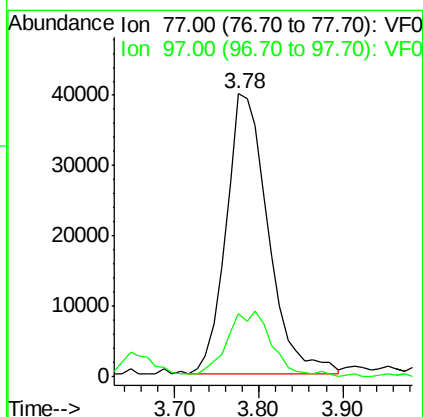
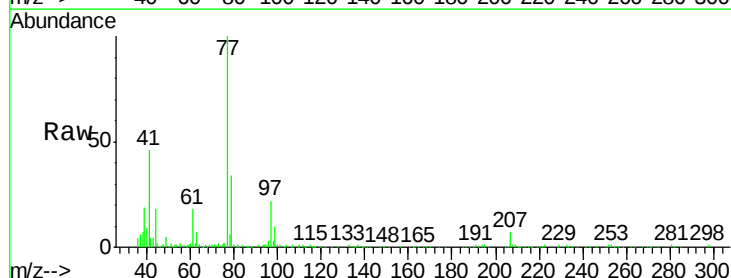
Acq: 17 May 2019 14:38

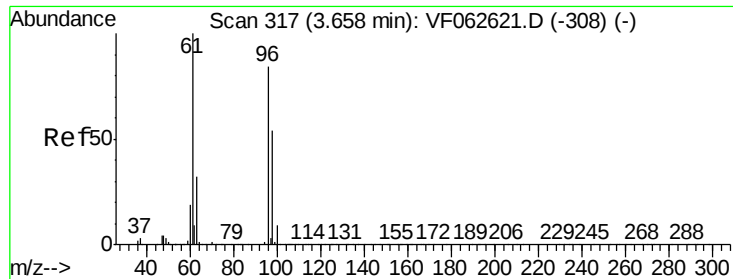
Tgt Ion: 77 Resp: 138386

Ion Ratio Lower Upper

77 100

97 22.4 14.1 42.4





#27

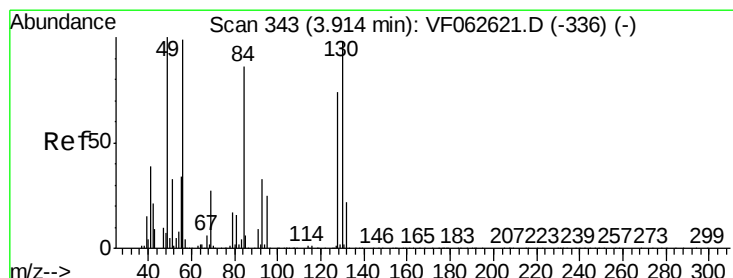
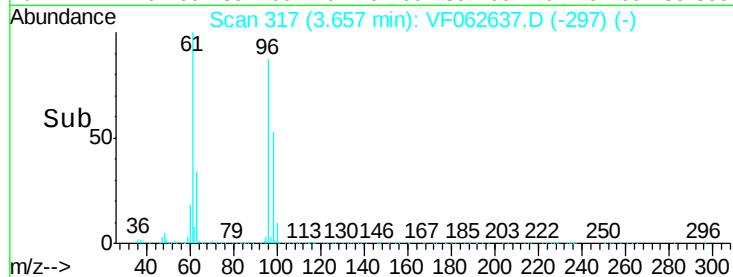
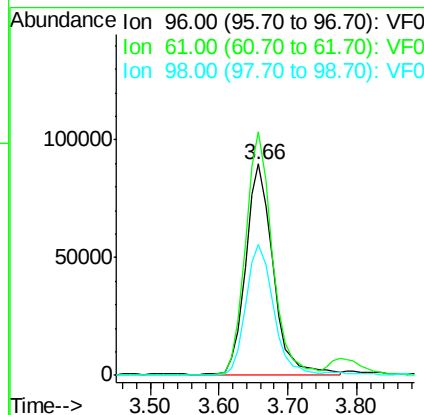
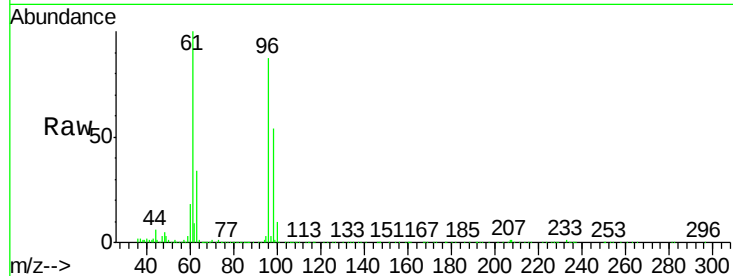
cis-1,2-Dichloroethene
Concen: 19.489 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248413		
61	115.3		0.0	237.4
98	61.9		0.0	129.0

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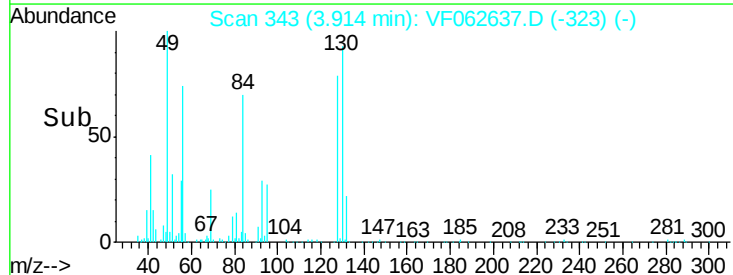
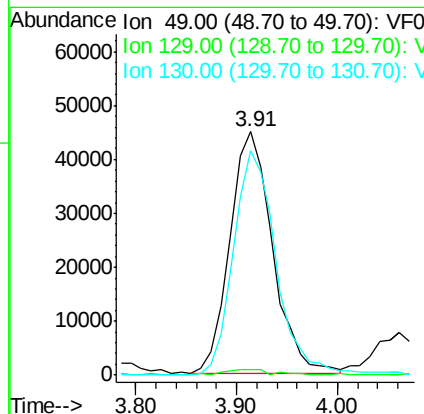
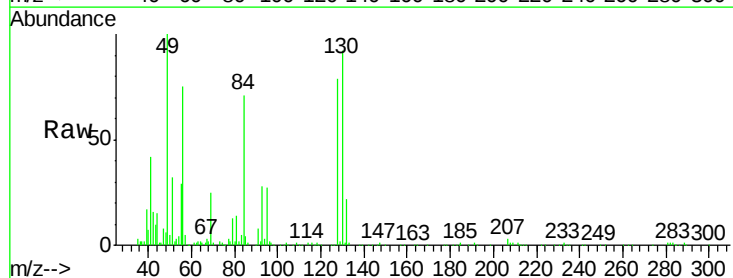
MMDadoda
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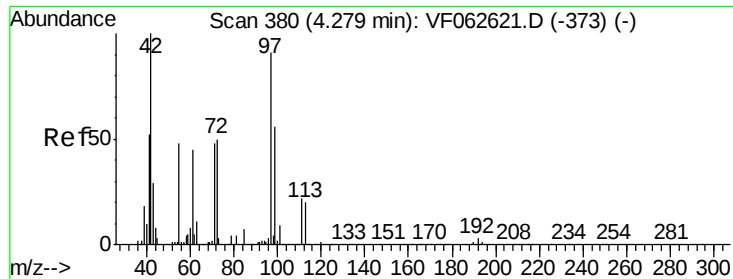


#28

Bromochloromethane
Concen: 18.125 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	131969		
129	2.1		0.0	4.0
130	92.3		77.8	116.8





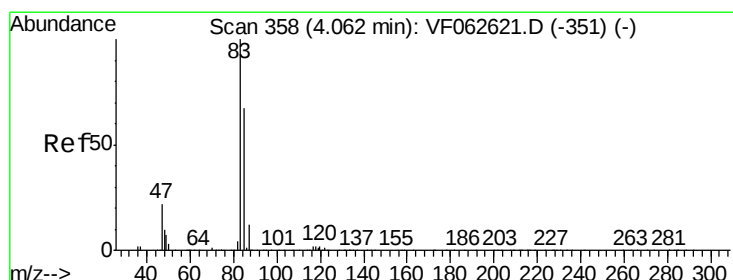
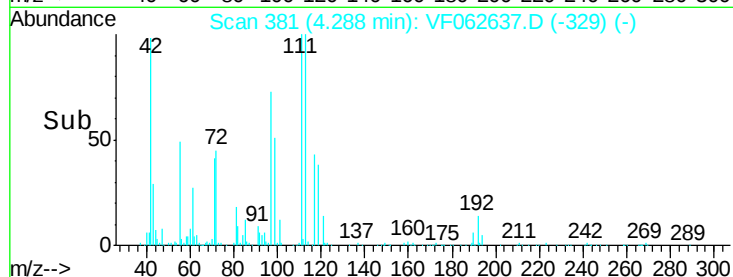
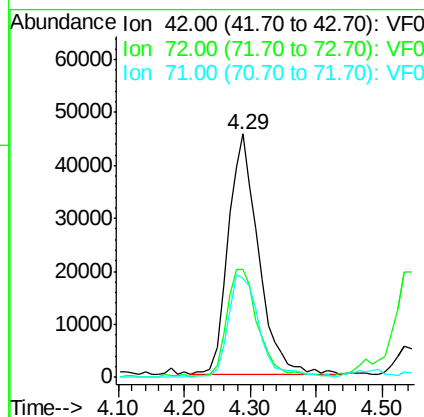
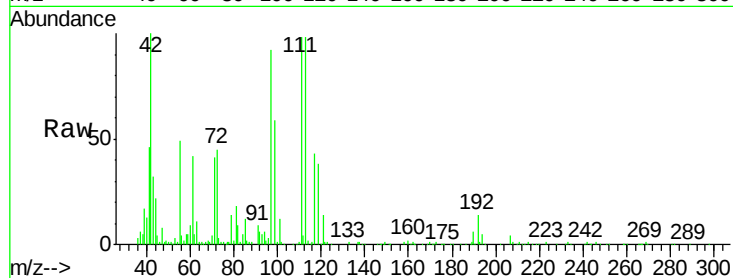
#29
Tetrahydrofuran
Concen: 104.212 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
42	100	145770		
72	45.8		38.2	57.2
71	44.6		35.8	53.6

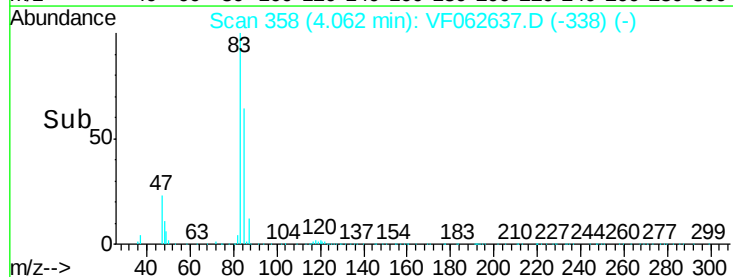
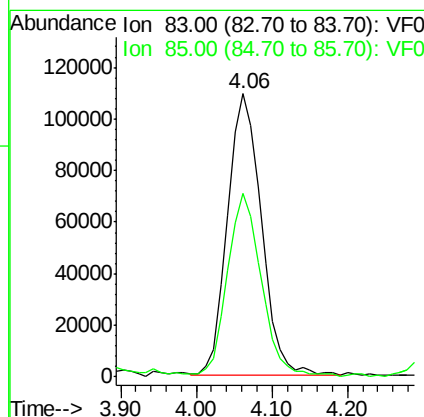
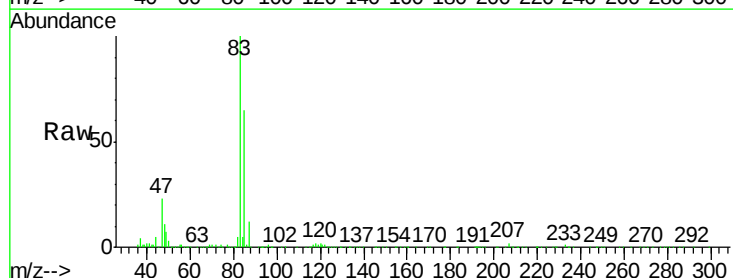
Manual Integrations
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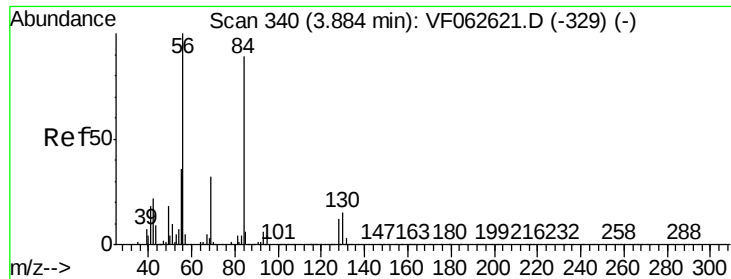
MMDadoda
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#30
Chloroform
Concen: 18.938 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	341352		
85	64.8		53.6	80.4





#31

Cyclohexane

Concen: 19.229 ug/l m

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

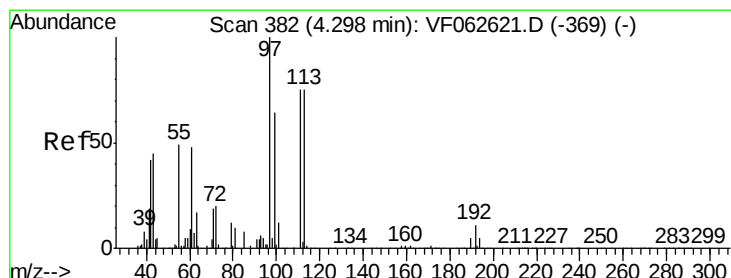
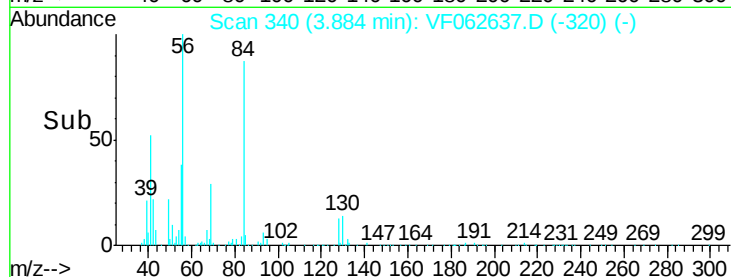
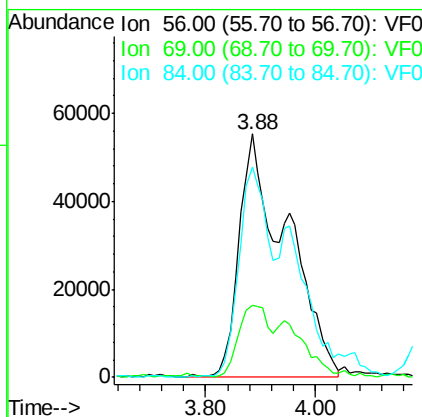
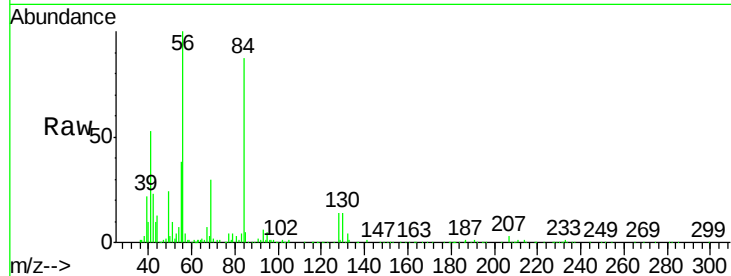
ClientSampleId :

VF0517SBS01

Tot Ion:	56	Resp:	335197
Ion Ratio	Lower	Upper	
56	100		
69	29.8	25.3	37.9
84	86.6	71.0	106.4

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.697 ug/l m

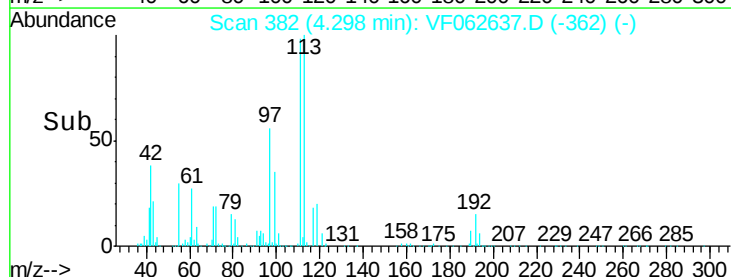
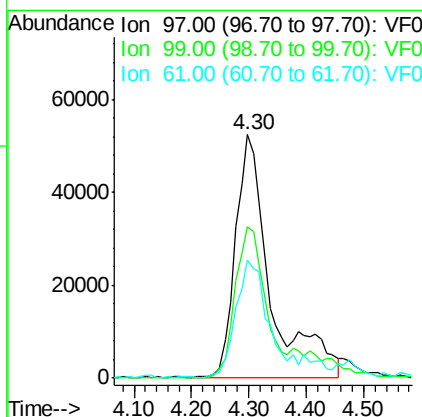
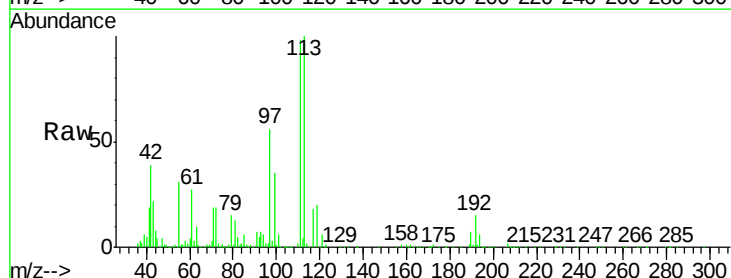
RT: 4.30 min Scan# 382

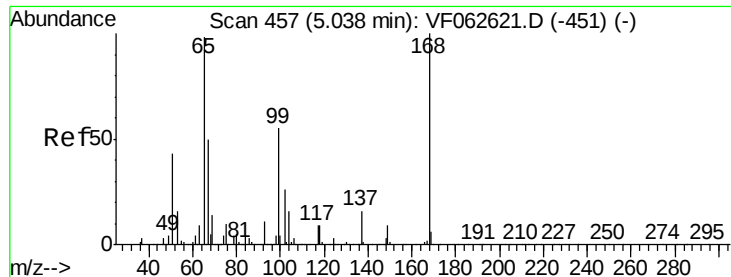
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	97	Resp:	223815
Ion Ratio	Lower	Upper	
97	100		
99	62.3	51.3	76.9
61	48.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 42.366 ug/l

RT: 5.05 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 65 Resp: 264211

Ion Ratio Lower Upper

65 100

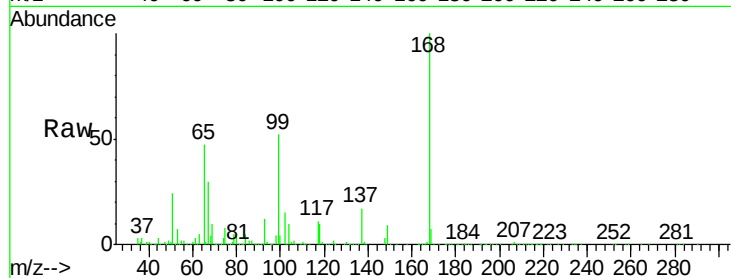
67 63.7 0.0 117.6

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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

100000

80000

60000

40000

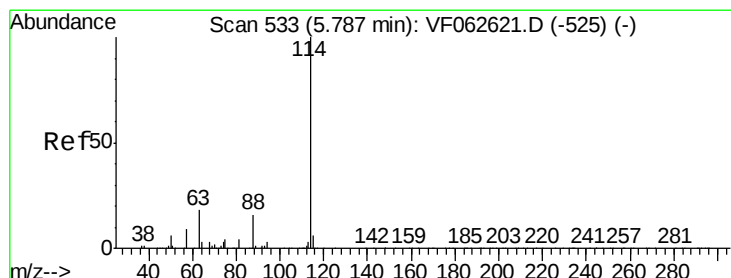
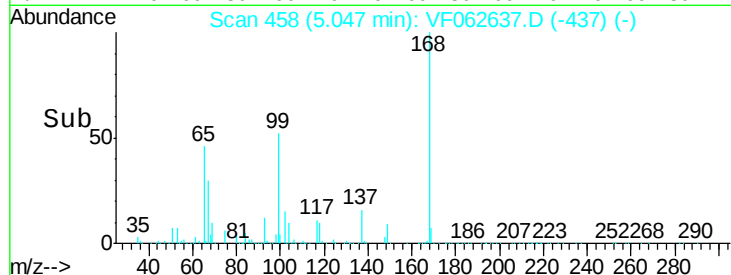
20000

0

5.05

5.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.79 min Scan# 533

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

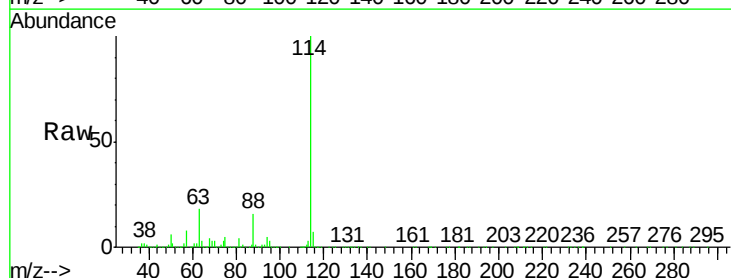
Tgt Ion:114 Resp: 1371091

Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.4

88 16.2 0.0 32.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

600000

400000

200000

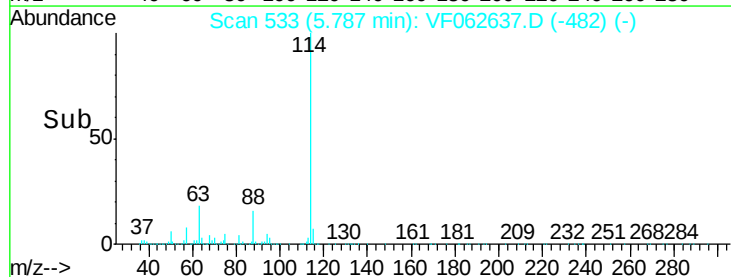
0

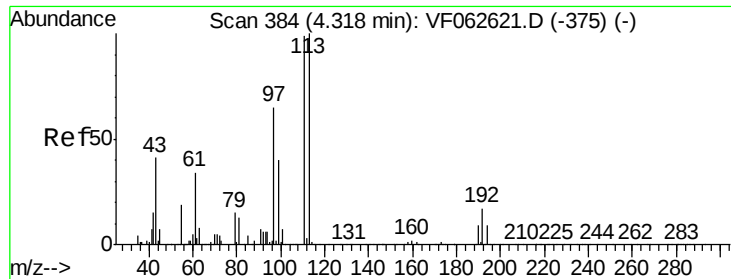
5.79

5.80

6.00

Time-->





#35

Dibromofluoromethane

Concen: 46.227 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

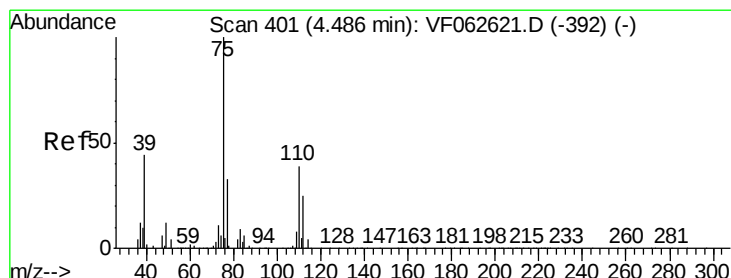
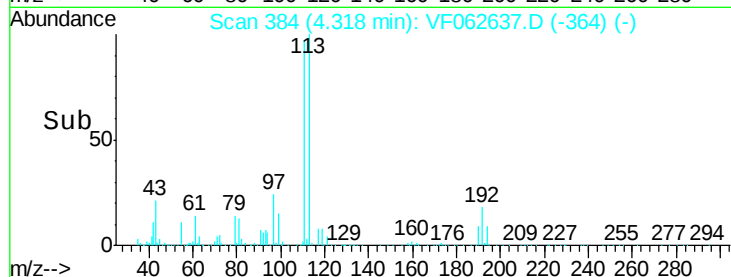
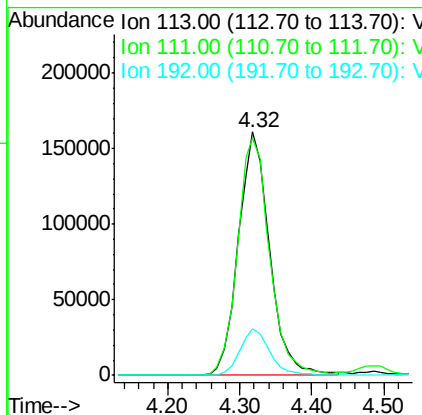
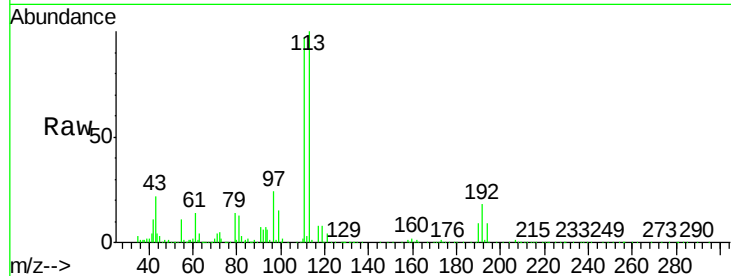
ClientSampleId :

VF0517SBS01

Tot Ion:	113	Resp:	484997
Ion Ratio	Lower	Upper	
113	100		
111	97.4	79.4	119.2
192	18.9	13.4	20.2

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#36

1,1-Dichloropropene

Concen: 19.210 ug/l

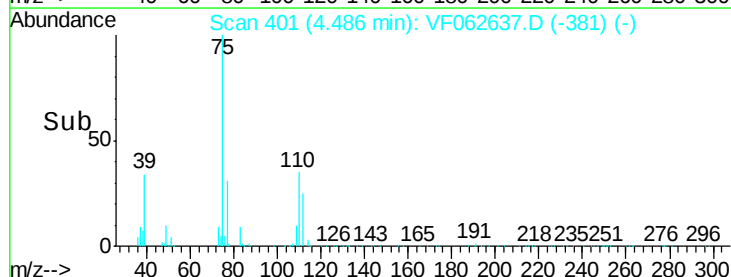
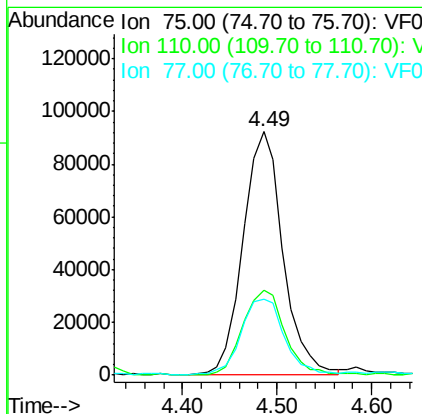
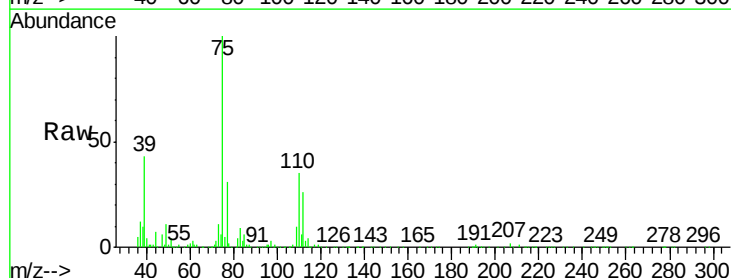
RT: 4.49 min Scan# 401

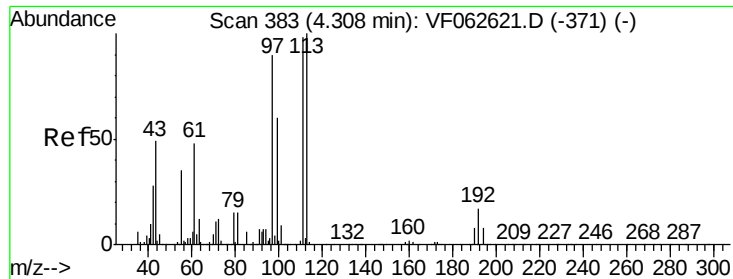
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	75	Resp:	269885
Ion Ratio	Lower	Upper	
75	100		
110	35.1	19.7	59.1
77	31.1	26.3	39.5





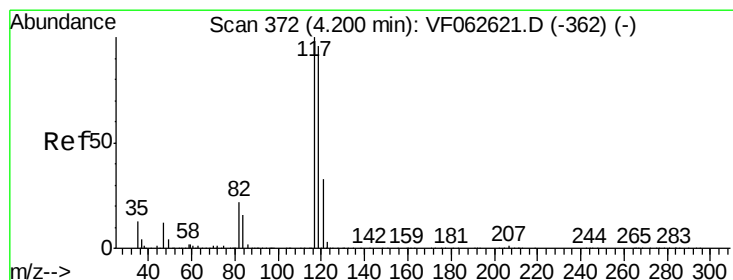
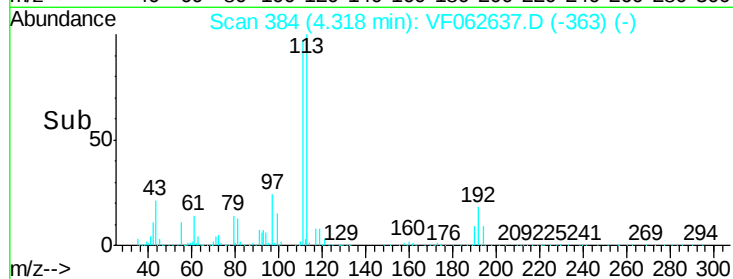
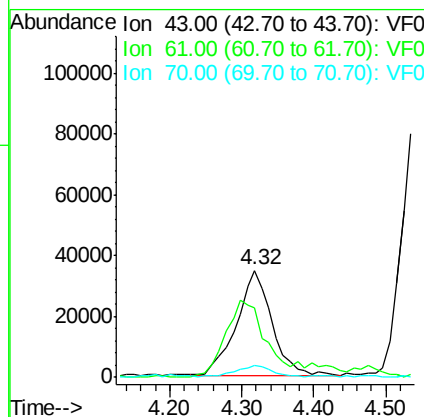
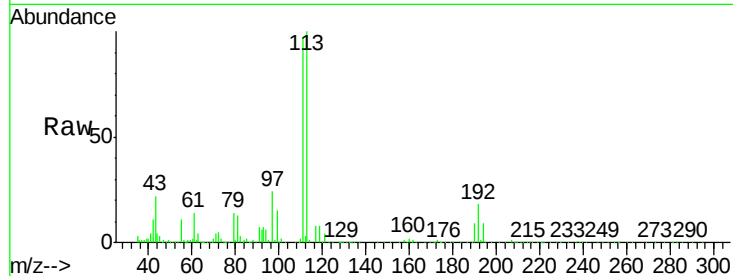
#37
Ethyl Acetate
Concen: 20.772 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	65.3	76.9	115.3#
70	11.4	8.8	13.2

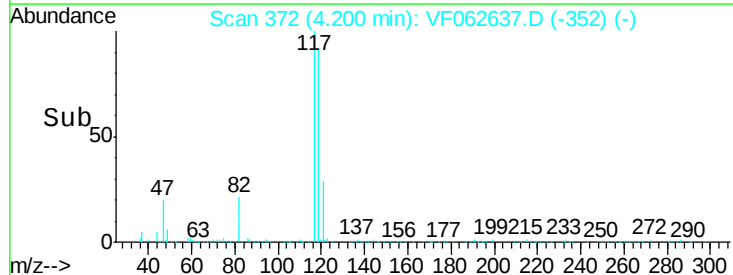
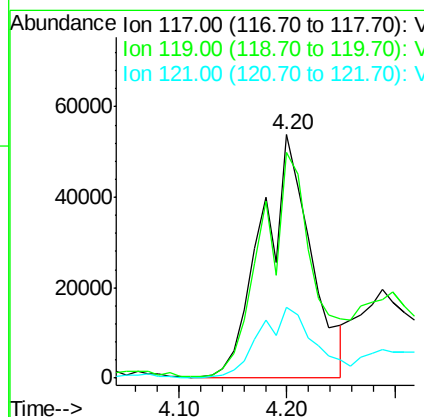
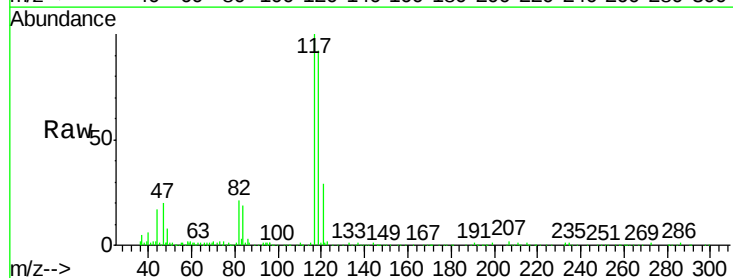
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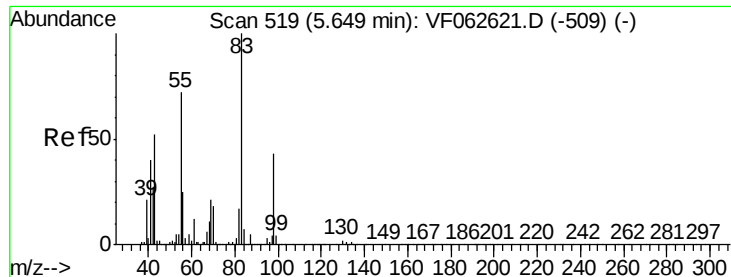
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#38
Carbon Tetrachloride
Concen: 16.018 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.5	76.7	115.1
121	29.0	26.6	40.0





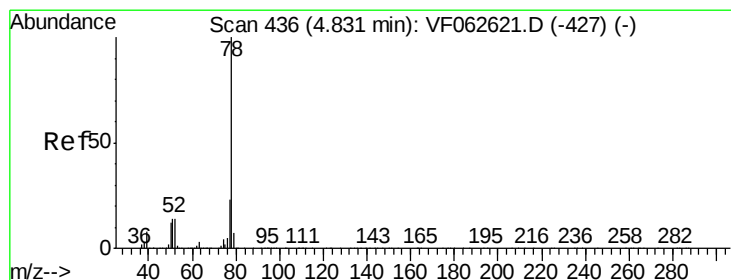
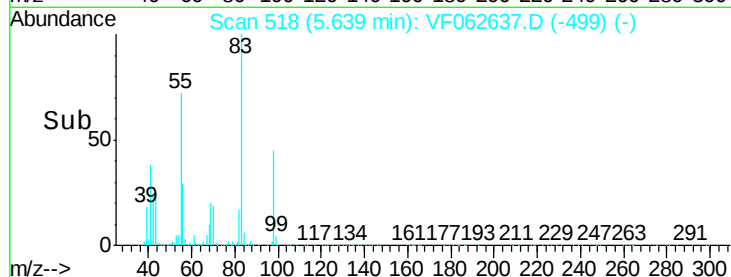
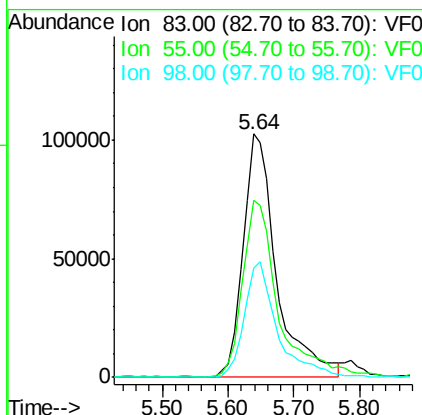
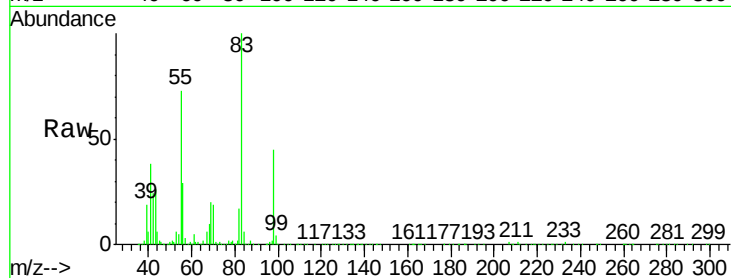
#39
Methvlcvclohexane
Concen: 21.693 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.6	57.9	86.9
98	44.8	34.6	52.0

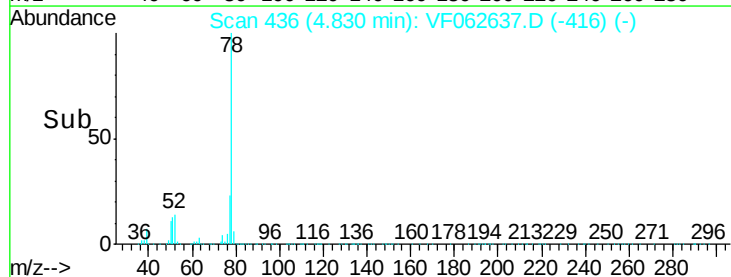
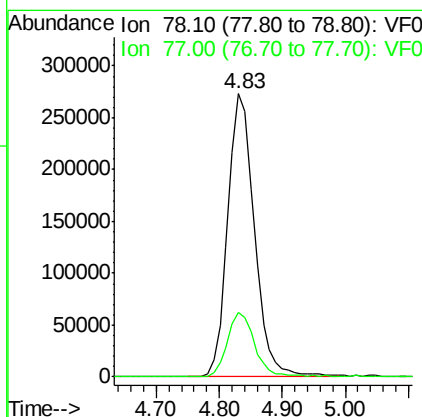
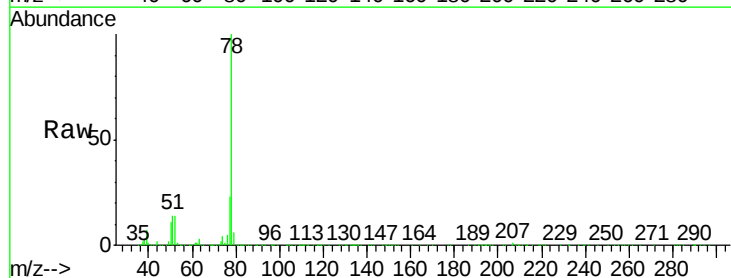
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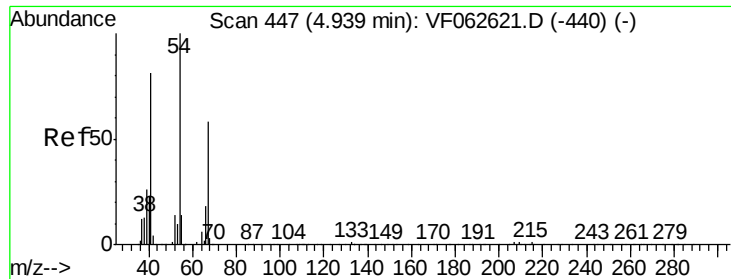
MMDadoda
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#40
Benzene
Concen: 20.904 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.2	27.2





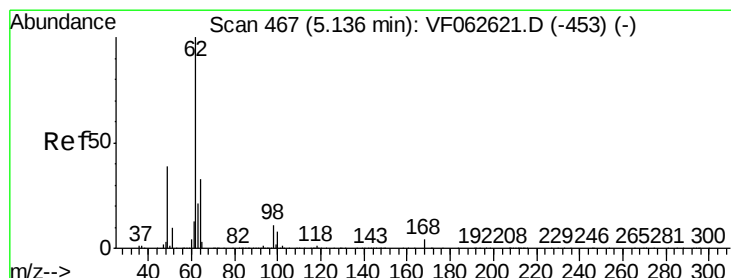
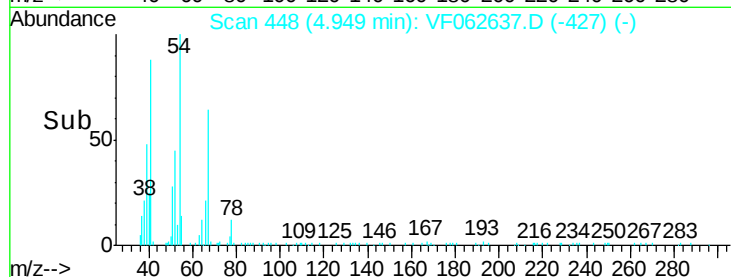
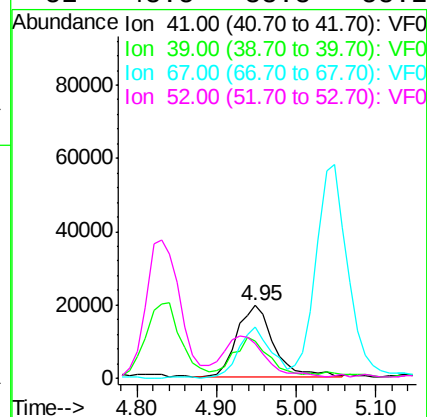
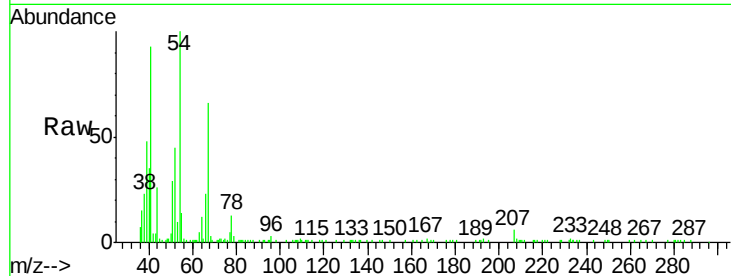
#41
Methacrylonitrile
Concen: 20.464 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.8	42.2	63.2
67	70.4	56.4	84.6
52	48.5	38.8	58.2

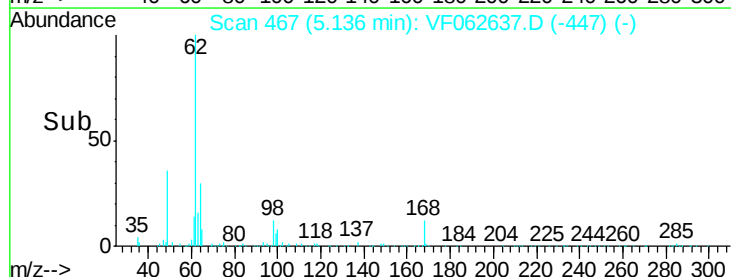
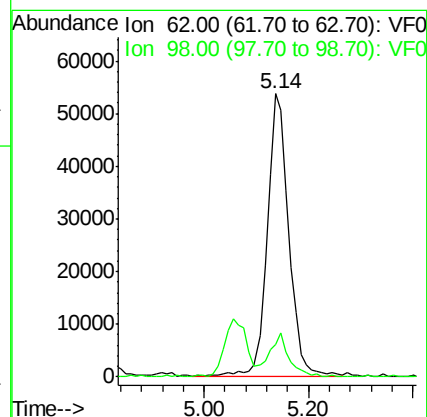
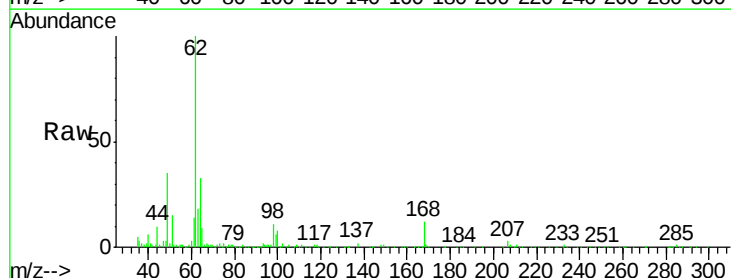
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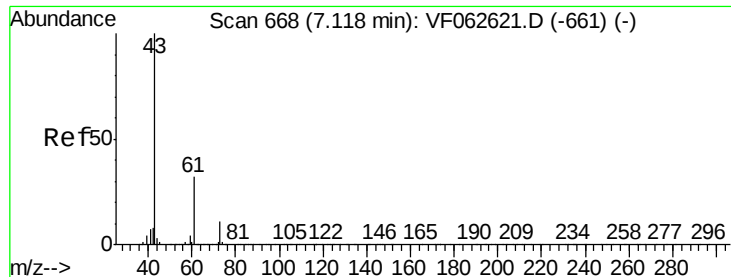
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.237 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.6





#43

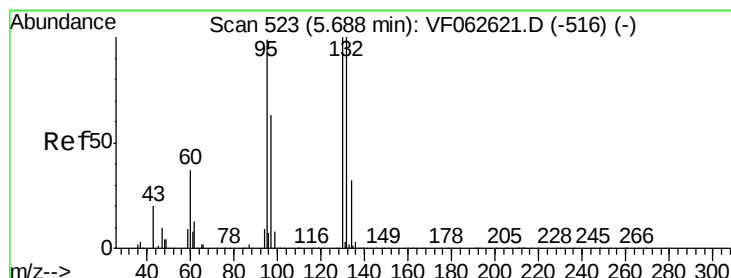
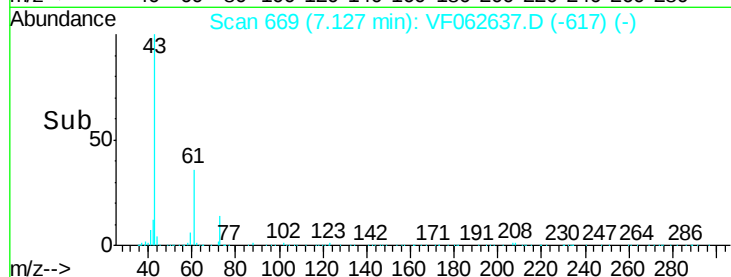
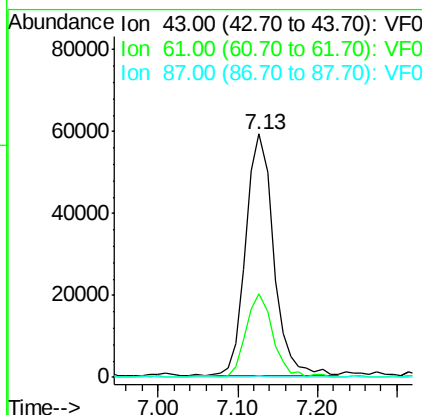
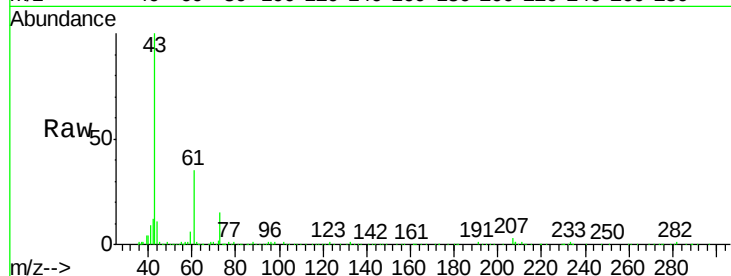
Isopropyl Acetate
 Concen: 18.984 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	25.8	38.8
87	0.5	0.4	0.6

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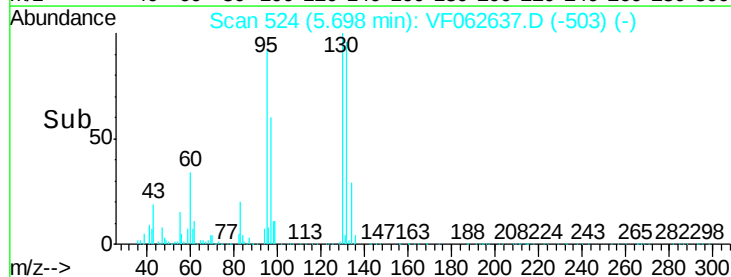
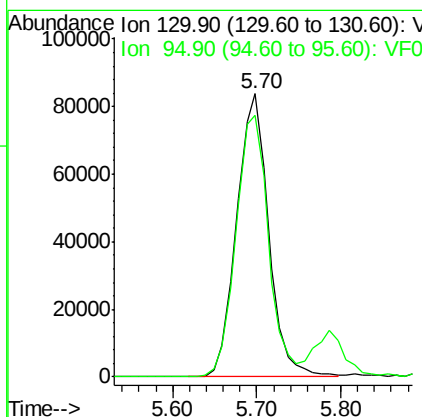
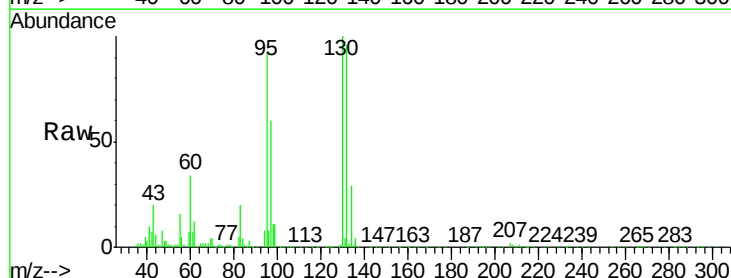
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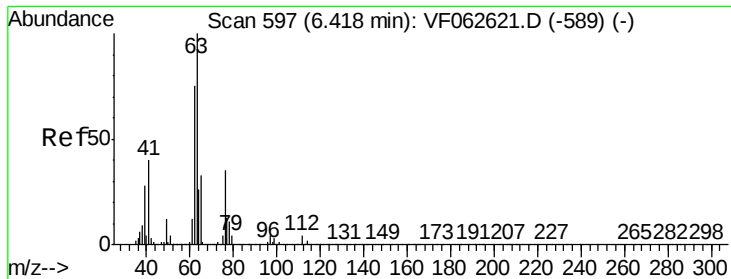


#44

Trichloroethene
 Concen: 20.653 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 19.617 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 63 Resp: 189535

Ion Ratio Lower Upper

63 100

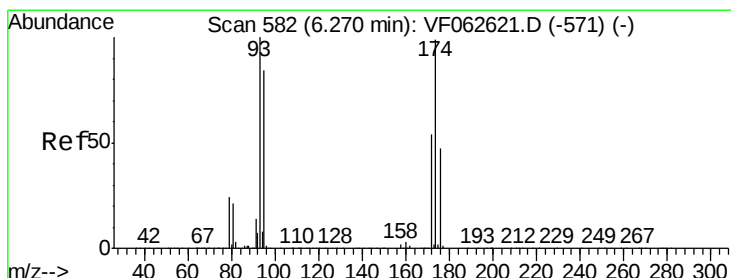
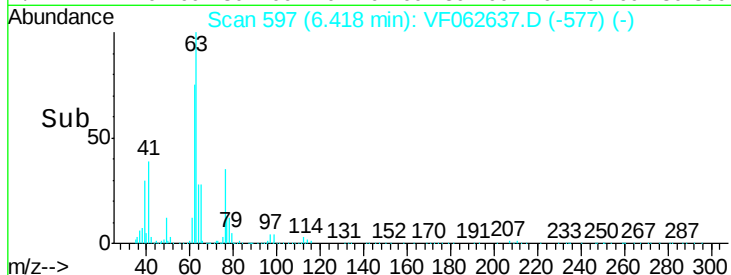
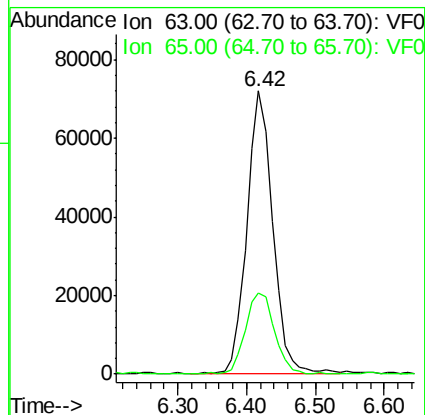
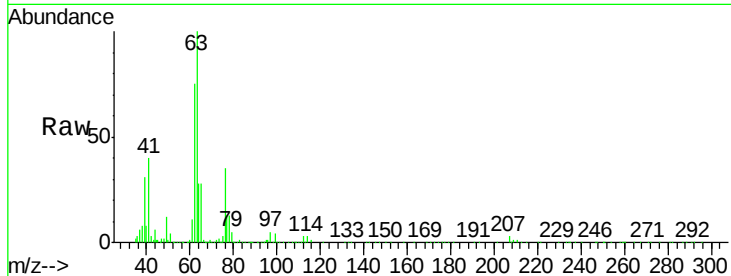
65 28.5 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 20.272 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

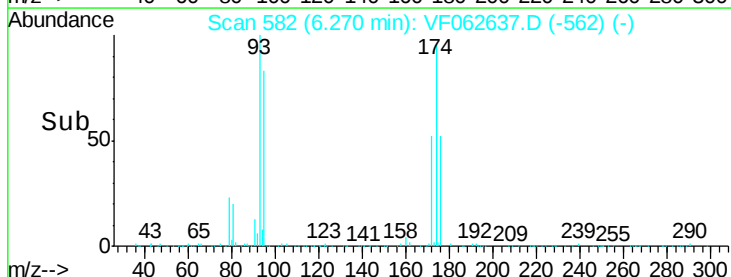
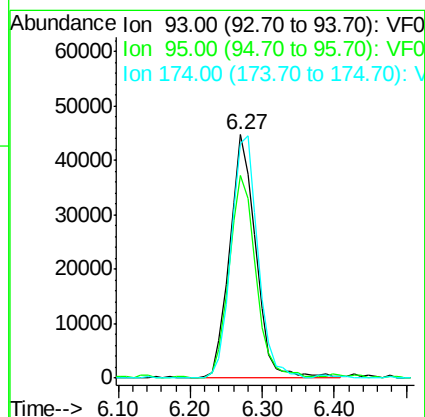
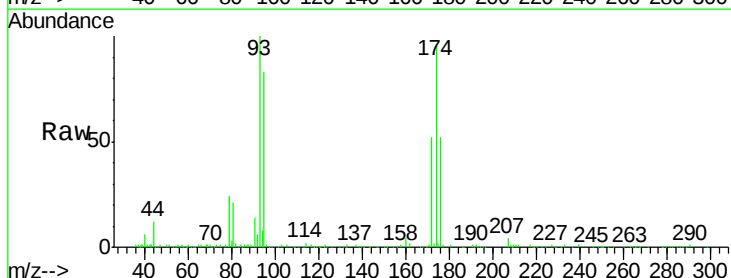
Tgt Ion: 93 Resp: 113194

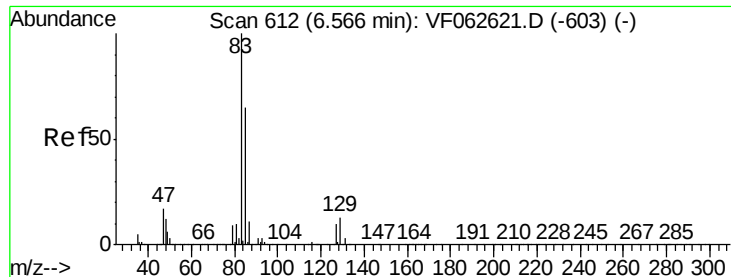
Ion Ratio Lower Upper

93 100

95 83.2 67.4 101.2

174 98.5 79.4 119.2





#47

Bromodichloromethane

Concen: 19.660 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

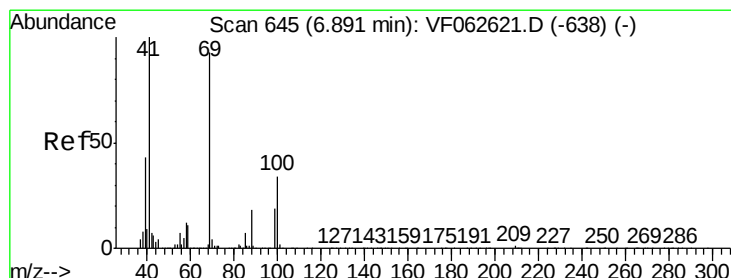
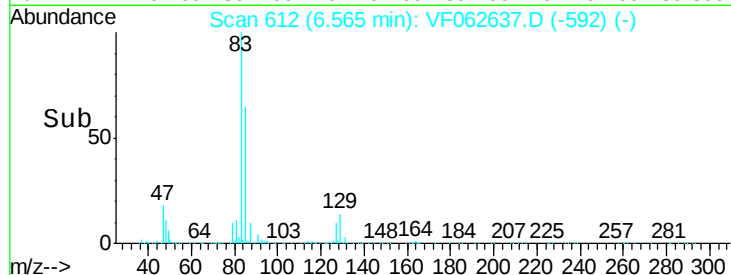
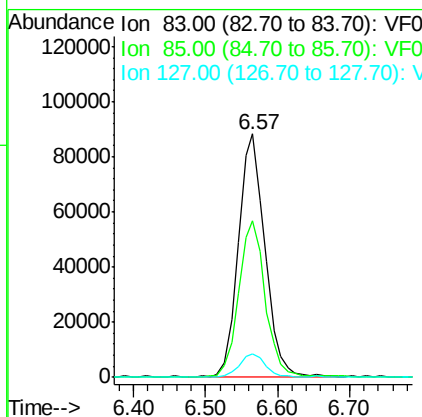
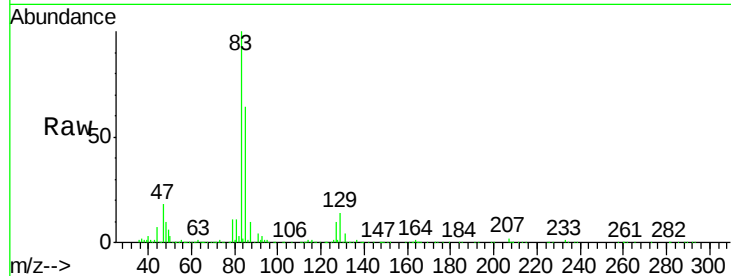
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	227895
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0
127	10.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.749 ug/l

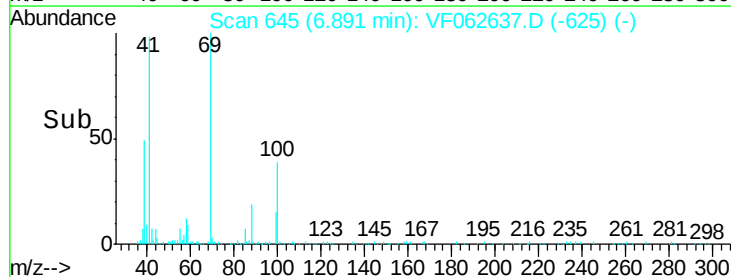
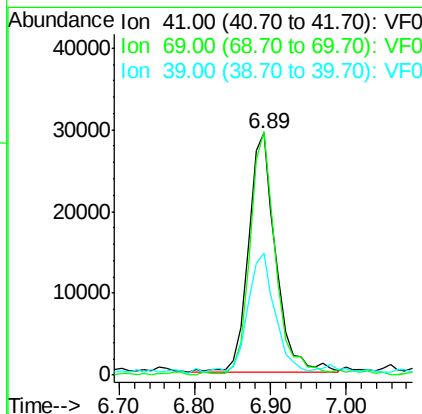
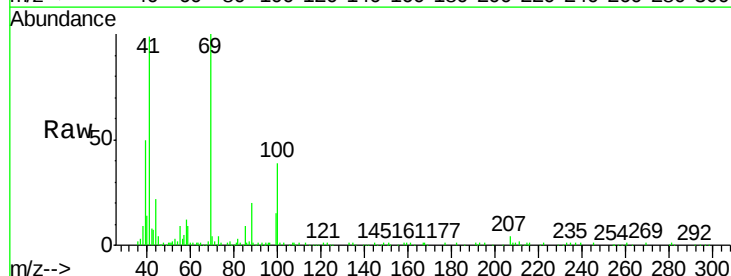
RT: 6.89 min Scan# 645

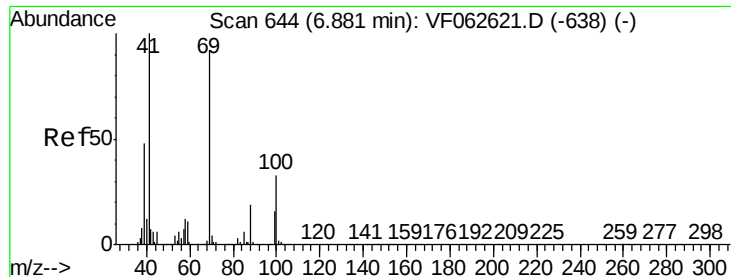
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	41	Resp:	72829
Ion	Ratio	Lower	Upper
41	100		
69	100.6	74.2	111.2
39	50.4	34.2	51.4





#49

1,4-Dioxane

Concen: 476.406 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

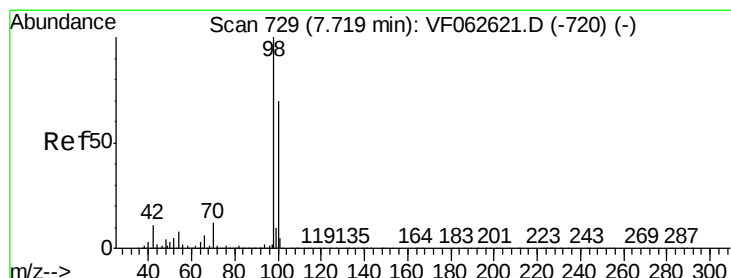
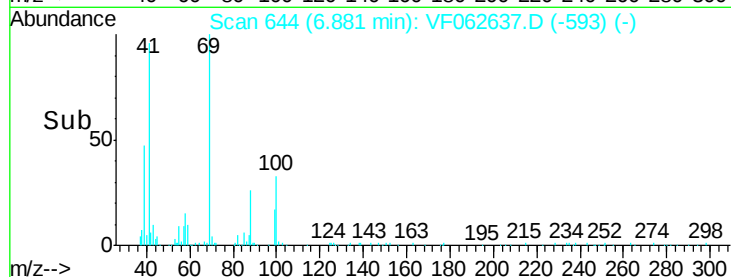
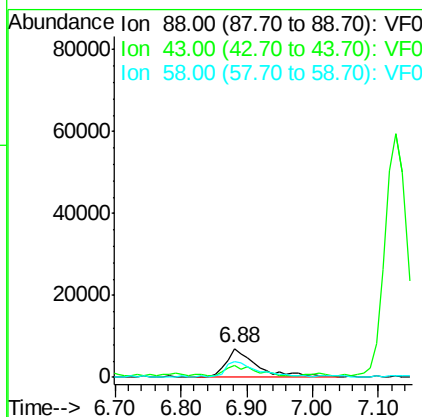
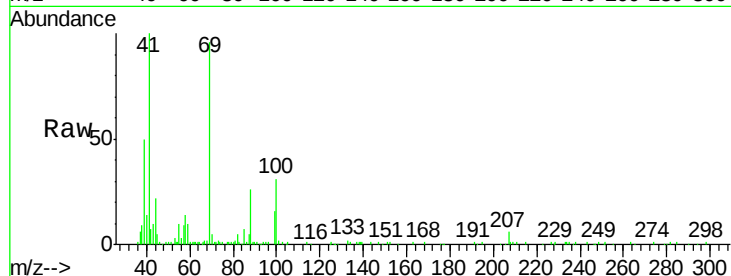
ClientSampleId :

VF0517SBS01

Tot Ion:	88	Resp:	23702
Ion Ratio	Lower	Upper	
88	100		
43	41.0	30.0	45.0
58	55.9	51.1	76.7

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#50

Toluene-d8

Concen: 45.669 ug/l

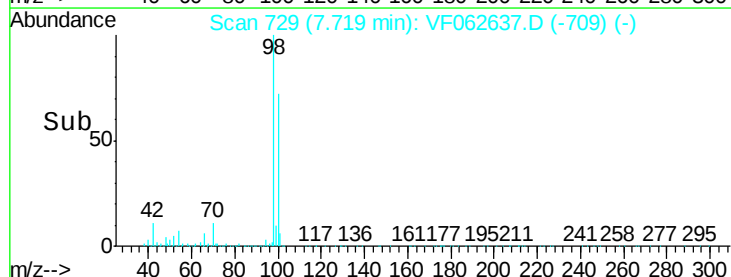
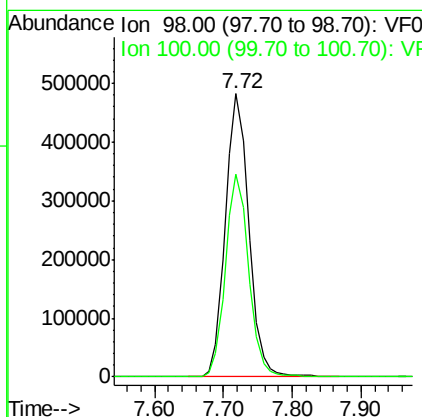
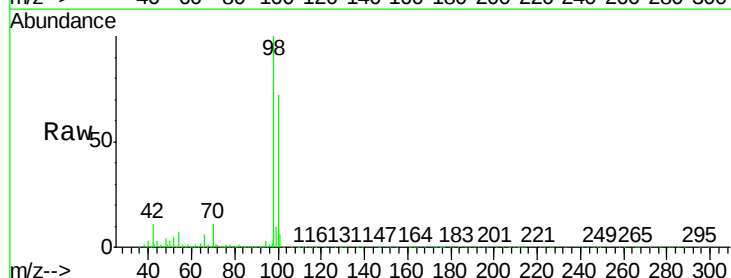
RT: 7.72 min Scan# 729

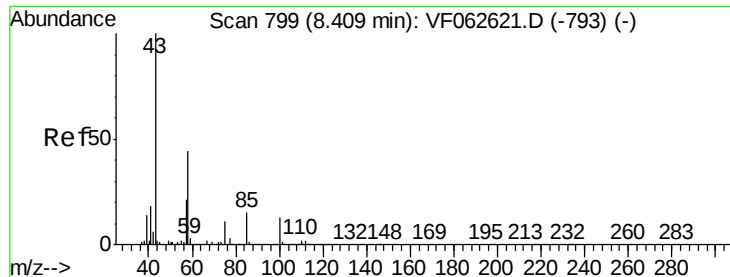
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	98	Resp:	1143996
Ion Ratio	Lower	Upper	
98	100		
100	71.8	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 103.470 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 43 Resp: 525615

Ion Ratio Lower Upper

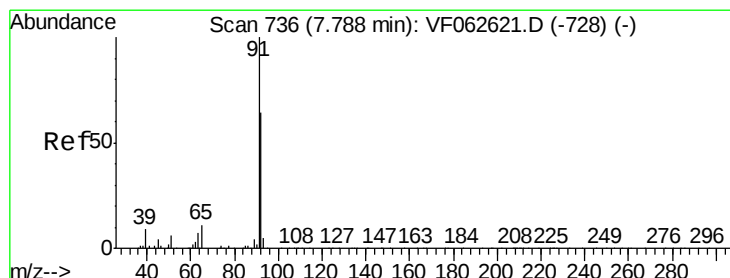
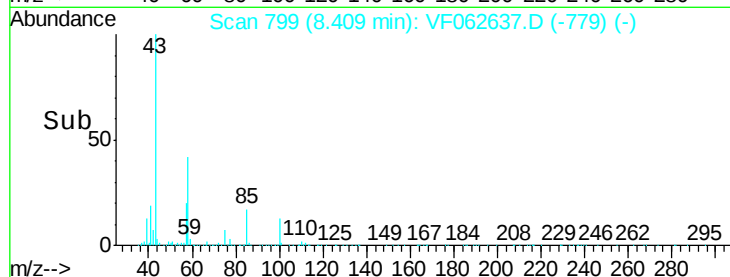
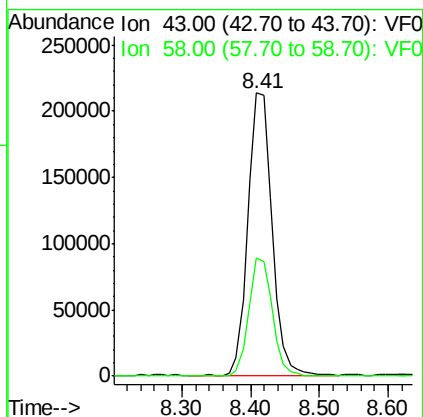
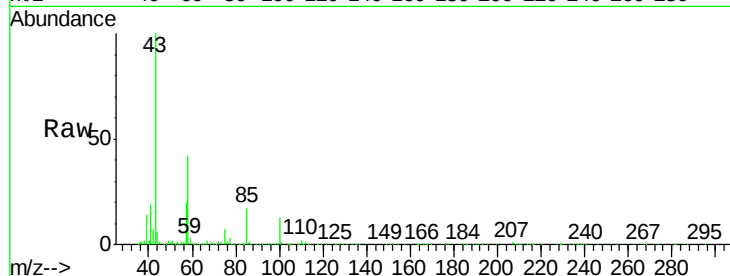
43 100

58 41.9 34.9 52.3

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#52

Toluene

Concen: 20.558 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062637.D

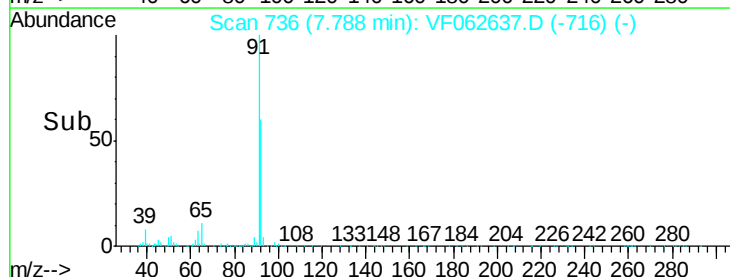
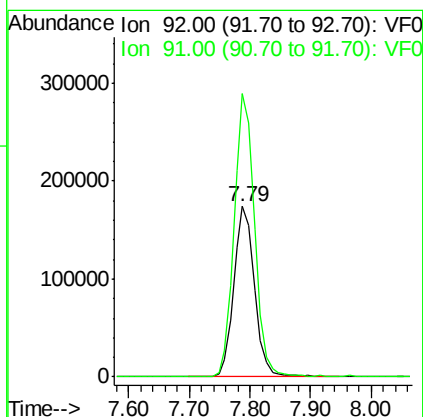
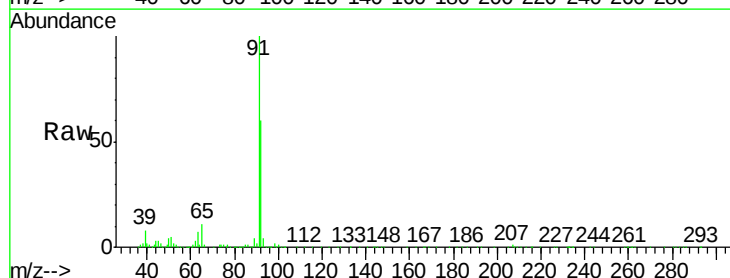
Acq: 17 May 2019 14:38

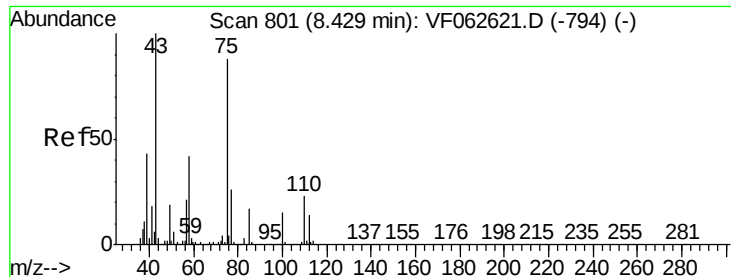
Tgt Ion: 92 Resp: 412655

Ion Ratio Lower Upper

92 100

91 166.1 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 19.668 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 75 Resp: 186526

Ion Ratio Lower Upper

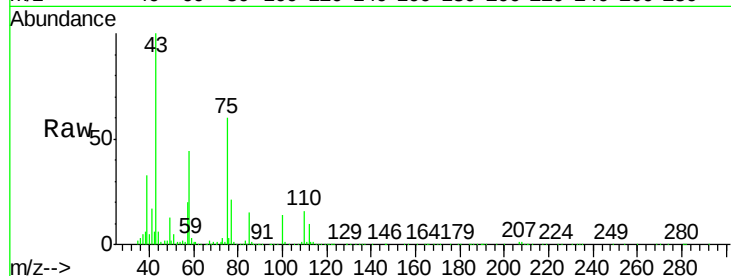
75 100

77 35.6 24.2 36.4

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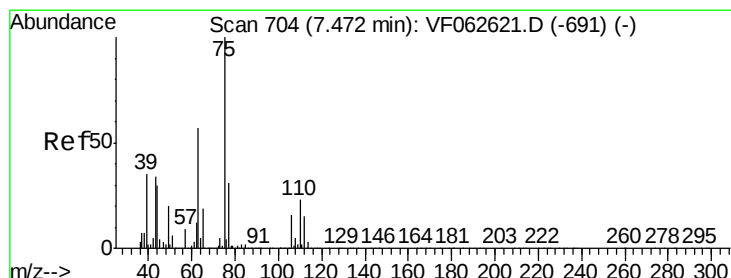
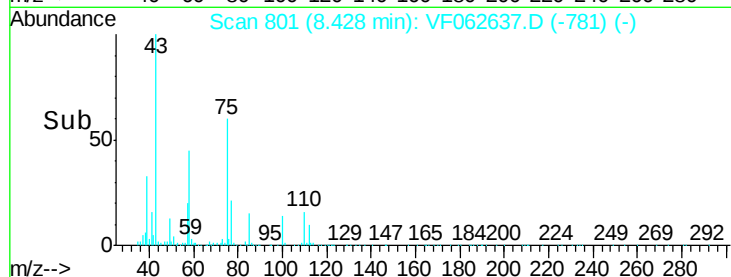
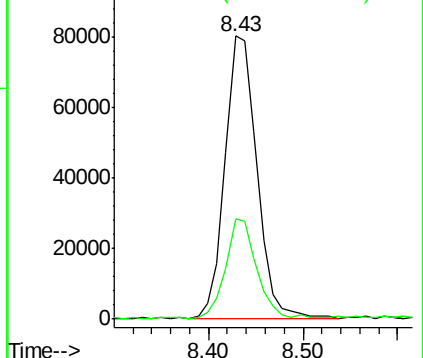
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Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.417 ug/l

RT: 7.47 min Scan# 704

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

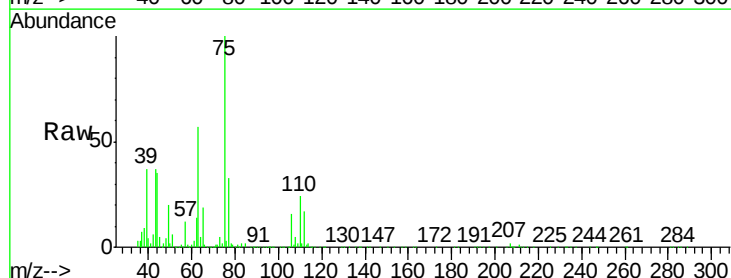
Tgt Ion: 75 Resp: 271046

Ion Ratio Lower Upper

75 100

77 33.5 25.3 37.9

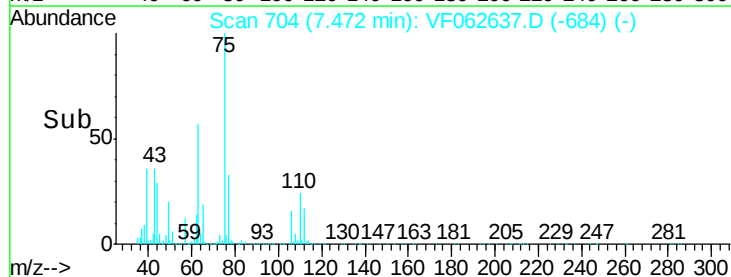
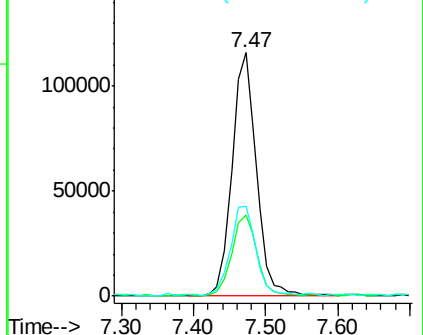
39 36.9 28.2 42.2

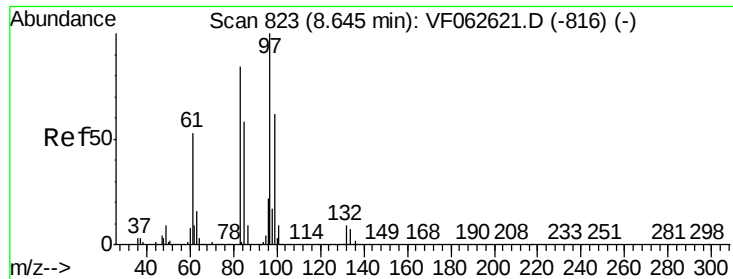


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 20.705 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

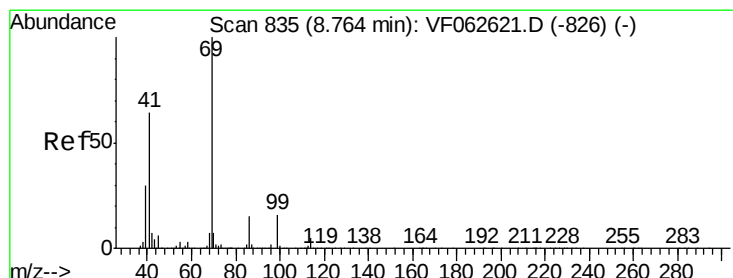
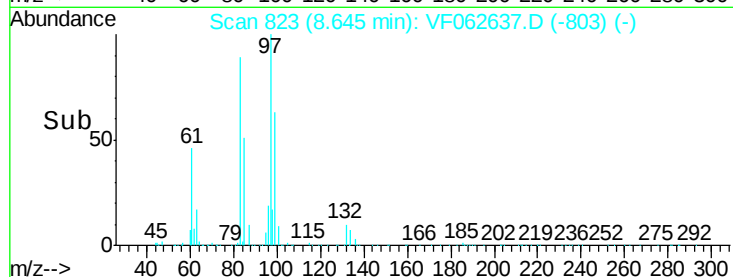
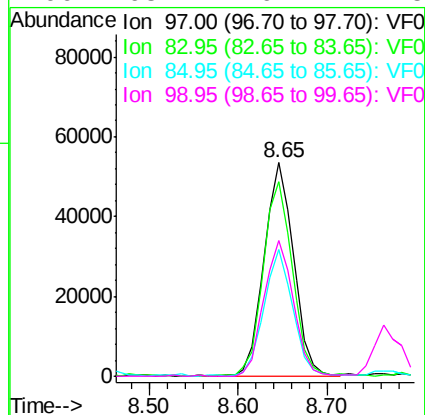
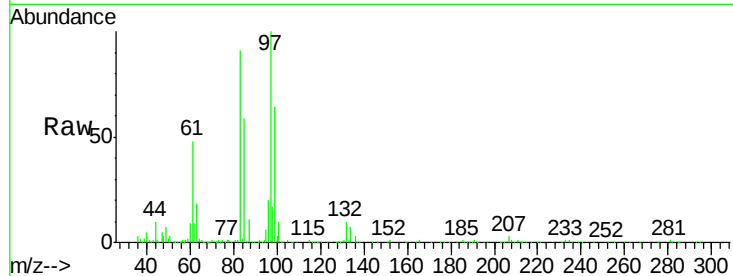
ClientSampleId :

VF0517SBS01

Tot Ion:	97	Resp:	123057
Ion	Ratio	Lower	Upper
97	100		
83	91.2	67.3	100.9
85	59.4	46.6	69.8
99	63.7	49.7	74.5

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#56

Ethyl methacrylate

Concen: 20.129 ug/l

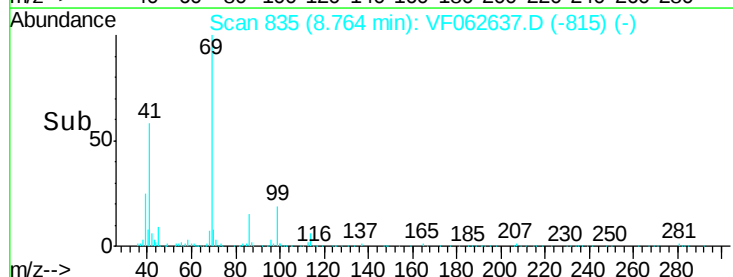
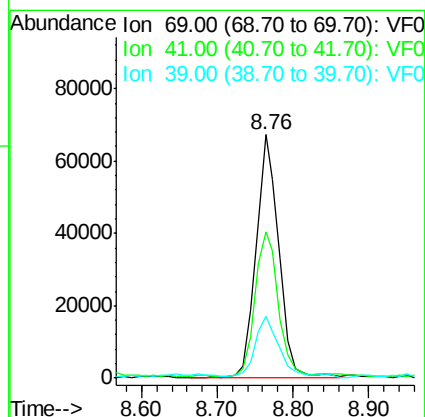
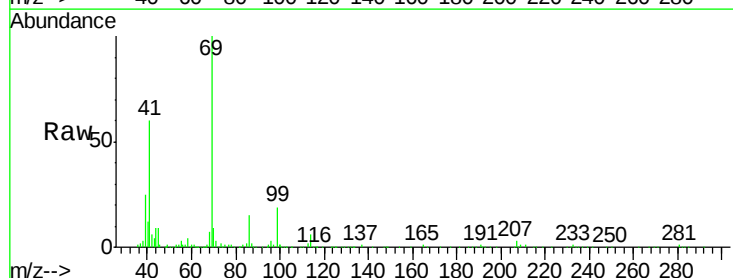
RT: 8.76 min Scan# 835

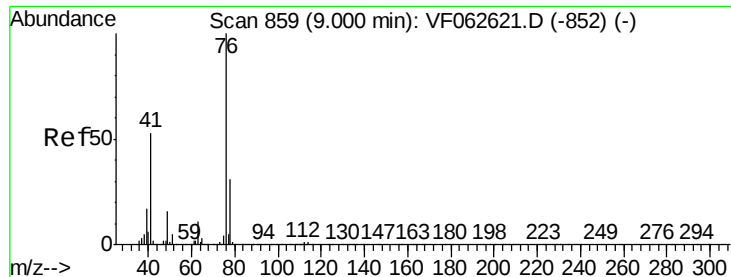
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	69	Resp:	142528
Ion	Ratio	Lower	Upper
69	100		
41	59.9	51.4	77.2
39	25.3	23.6	35.4





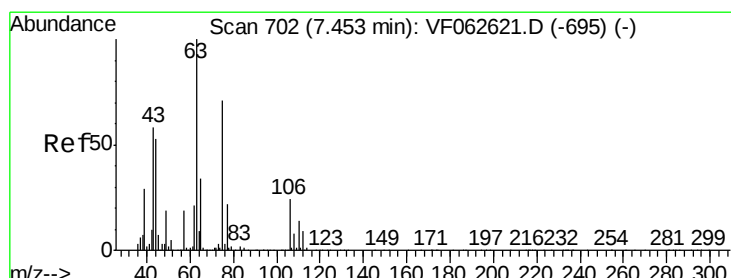
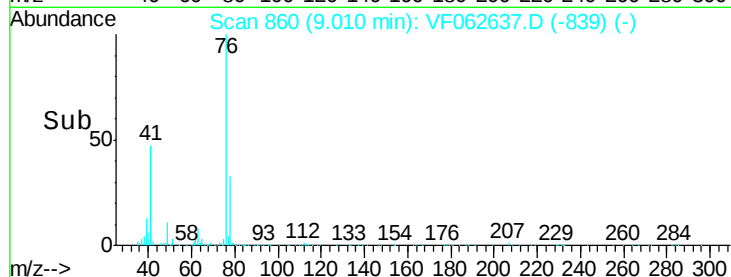
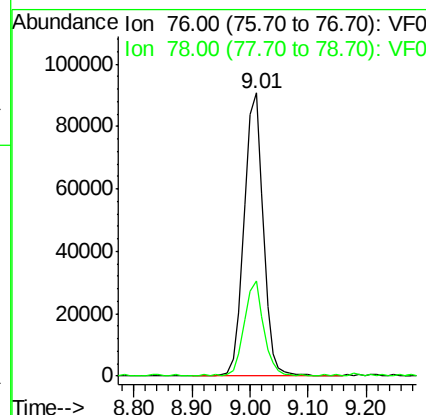
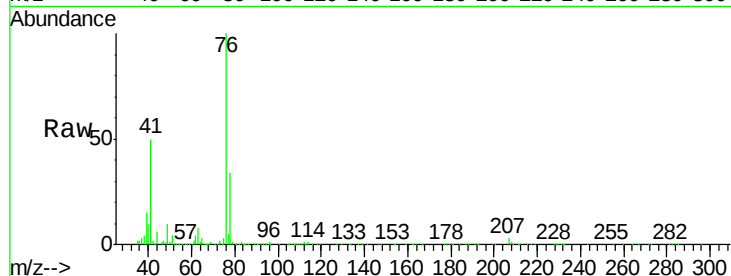
#57
 1,3-Dichloropropane
 Concen: 20.649 ug/l
 RT: 9.01 min Scan# 860
 Delta R.T. 0.01 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	25.4	38.0

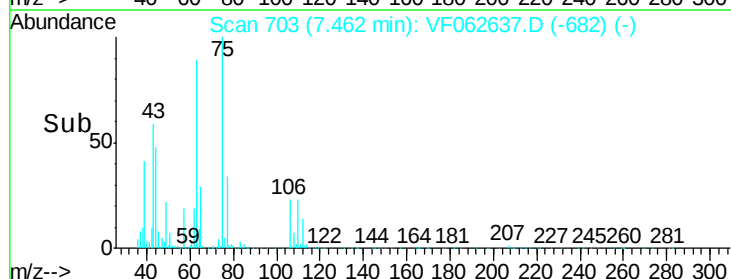
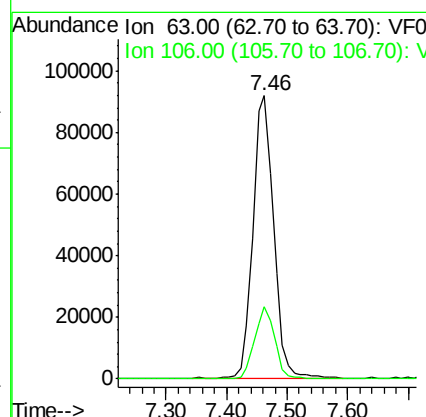
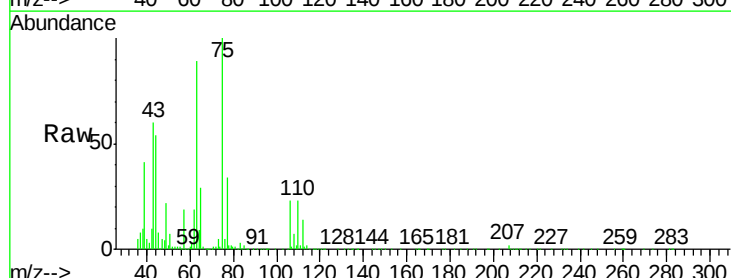
Manual Integrations
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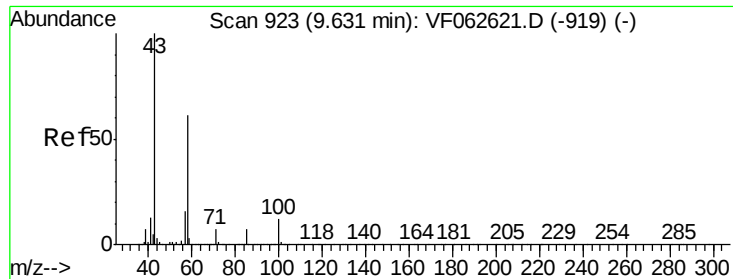
MMDadoda
 5/20/2019 2:52:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.606 ug/l
 RT: 7.46 min Scan# 703
 Delta R.T. 0.01 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.5	19.1	28.7





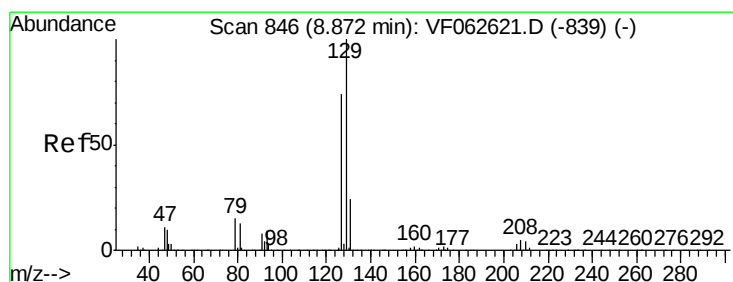
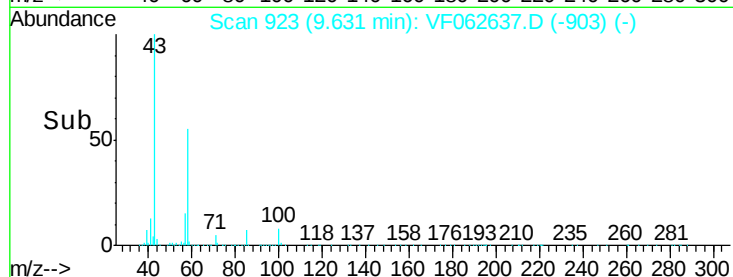
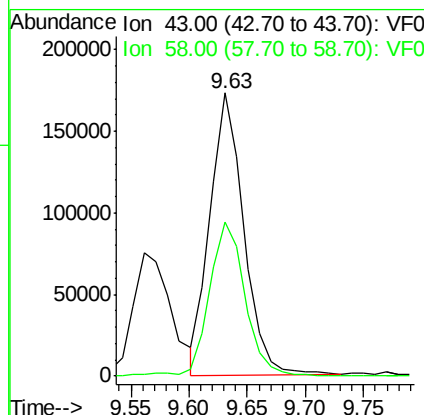
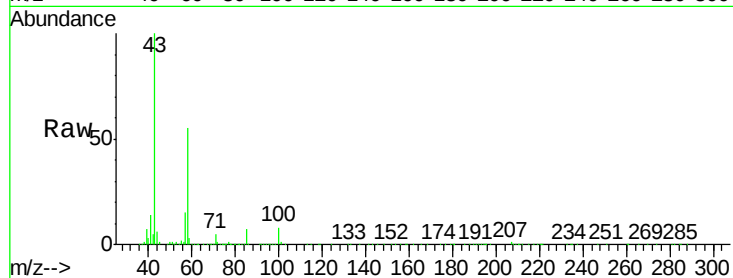
#59
2-Hexanone
Concen: 93.658 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	28.1	84.4

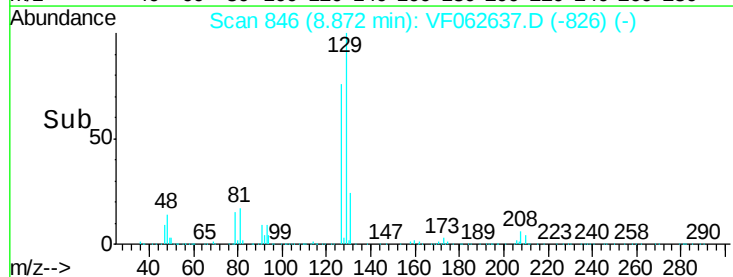
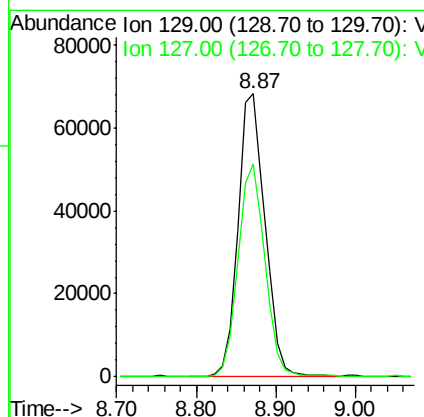
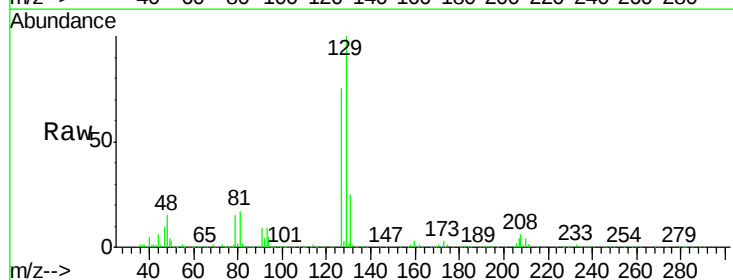
Manual Integrations
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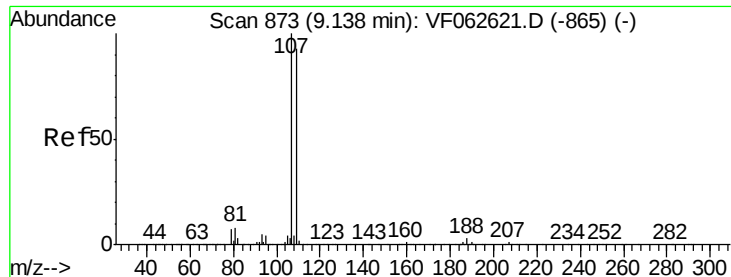
MMDadoda
5/20/2019 2:52:11 PM



#60
Dibromochloromethane
Concen: 20.745 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.2	37.2	111.6





#61

1,2-Dibromoethane

Concen: 21.501 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:107 Resp: 135731

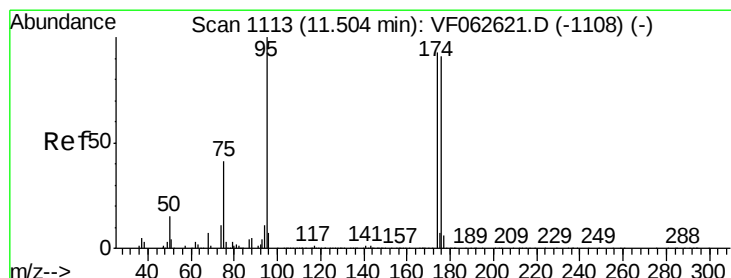
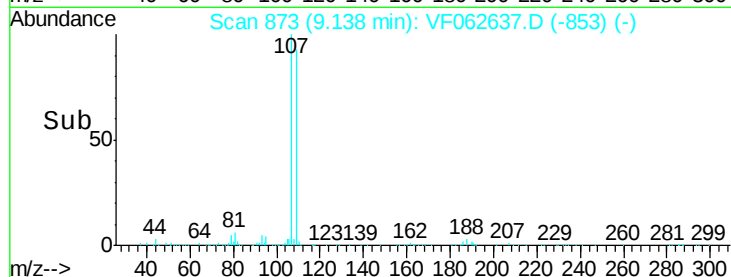
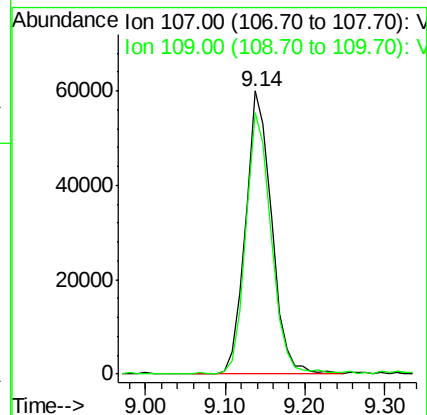
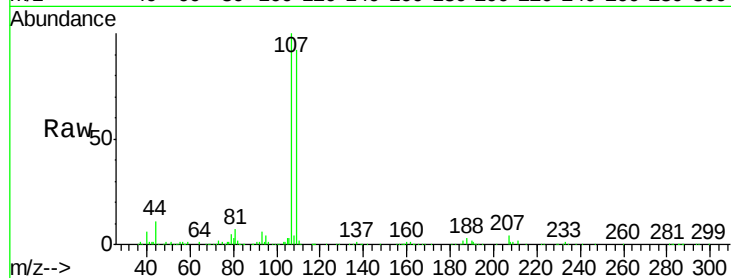
Ion Ratio Lower Upper

107 100

109 92.4 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 45.054 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

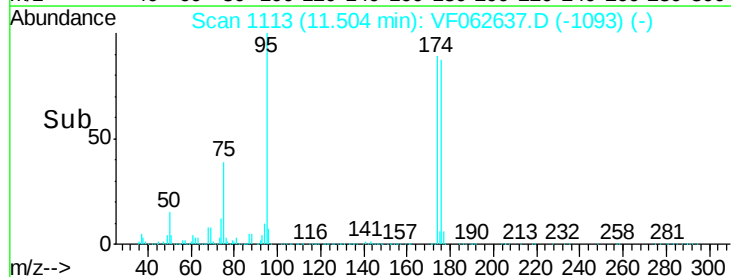
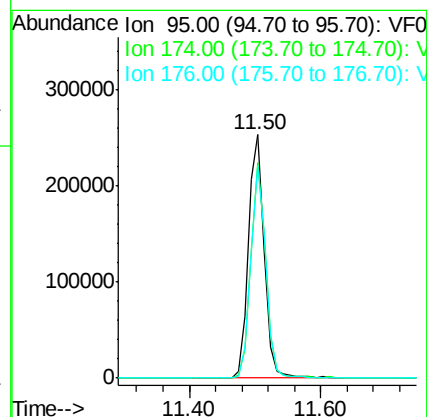
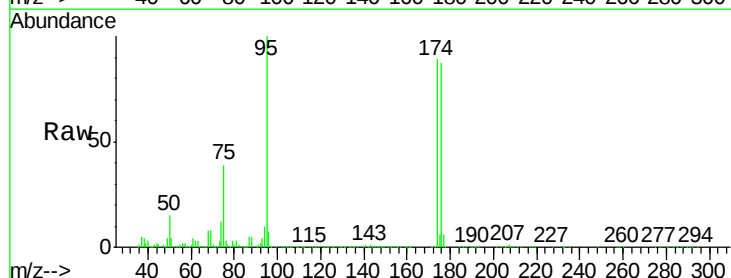
Tgt Ion: 95 Resp: 428043

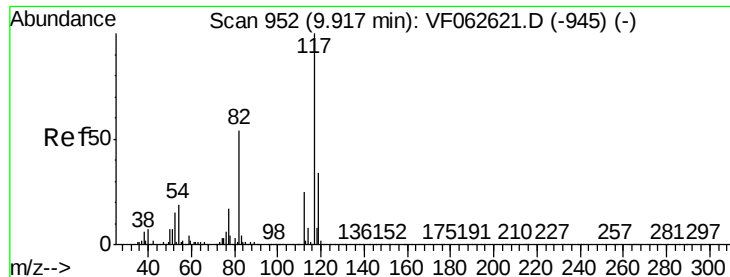
Ion Ratio Lower Upper

95 100

174 88.7 0.0 185.6

176 87.5 0.0 182.4





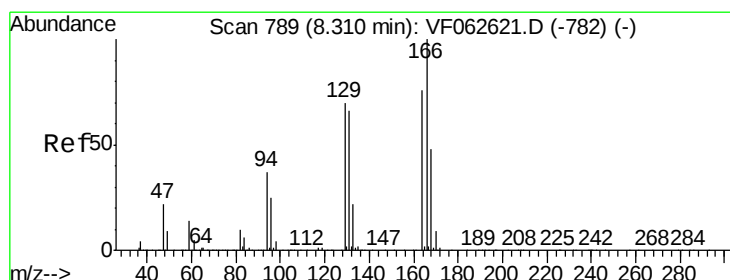
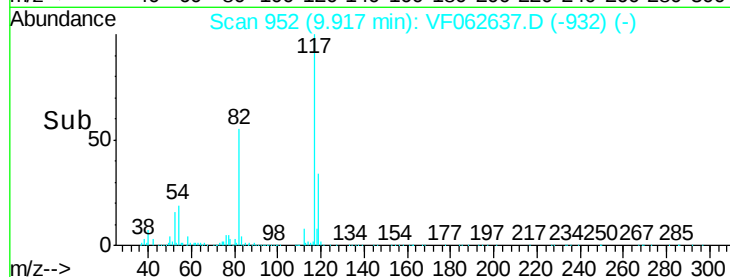
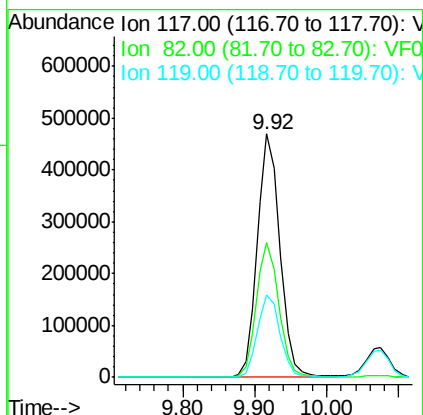
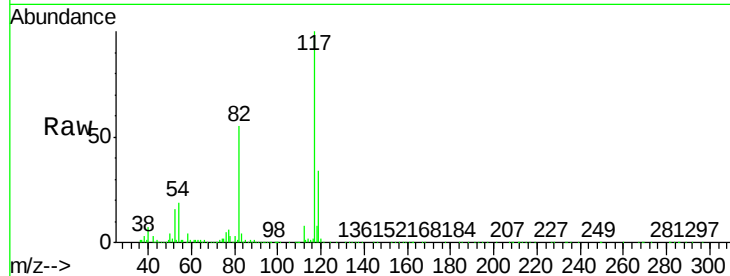
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.3	64.9
119	33.8	27.4	41.0

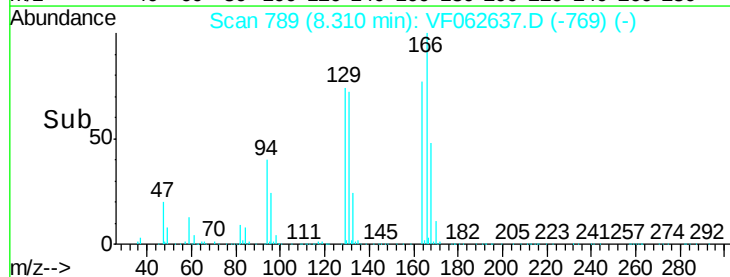
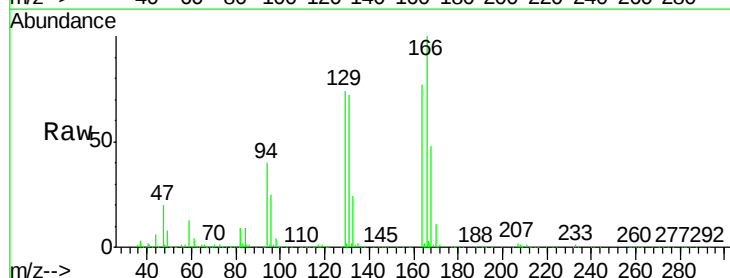
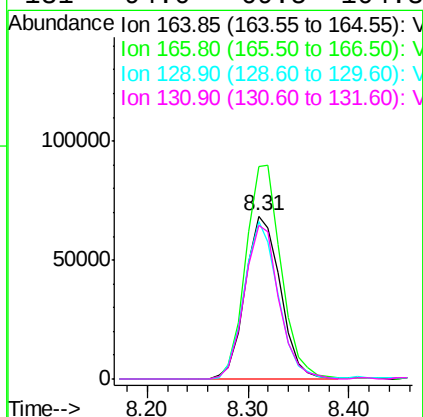
Manual Integrations
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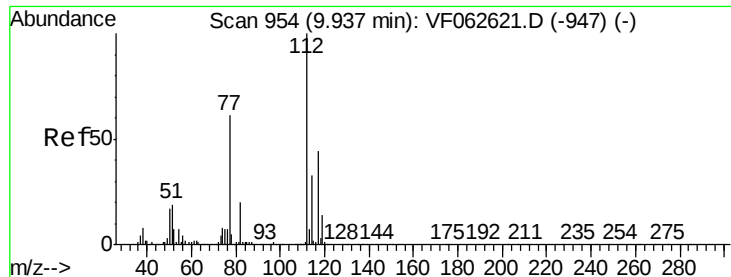
MMDadoda
5/20/2019 2:52:11 PM



#64
Tetrachloroethene
Concen: 20.339 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	105.5	158.3
129	96.9	73.8	110.6
131	94.0	69.5	104.3





#65

Chlorobenzene

Concen: 20.773 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion:112 Resp: 421986

Ion Ratio Lower Upper

112 100

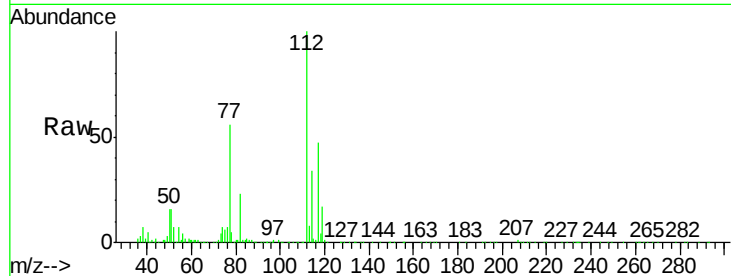
114 34.5 26.8 40.2

Manual Integrations

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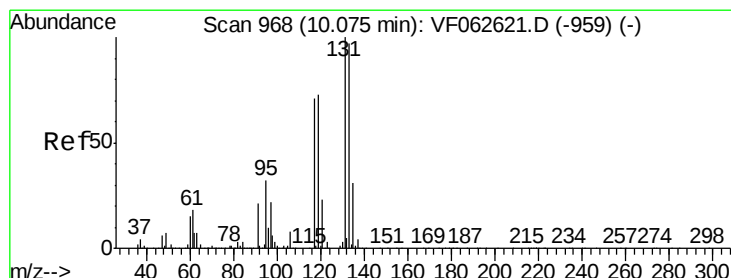
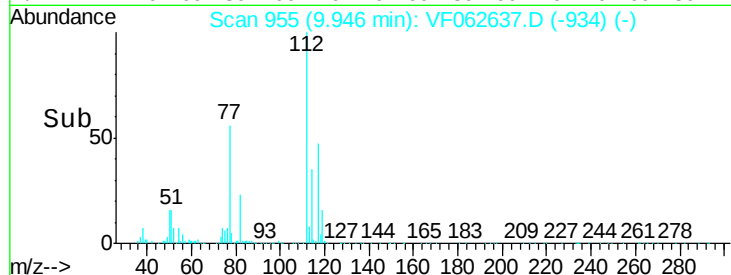
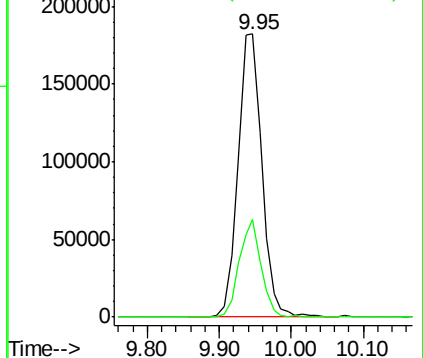
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 20.456 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

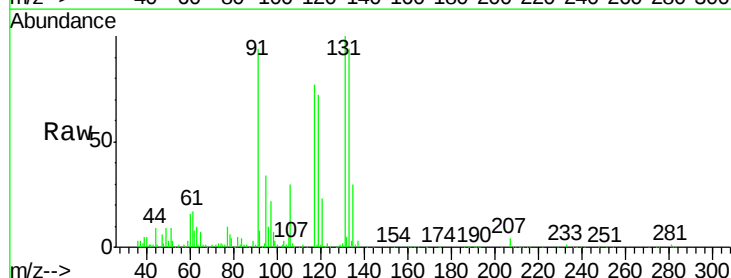
Tgt Ion:131 Resp: 166818

Ion Ratio Lower Upper

131 100

133 93.7 48.5 145.5

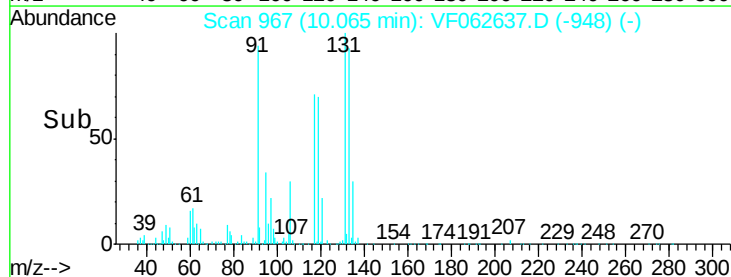
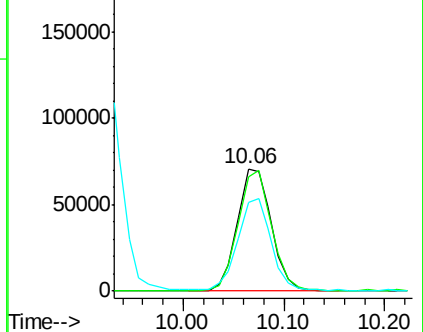
119 72.4 36.8 110.4

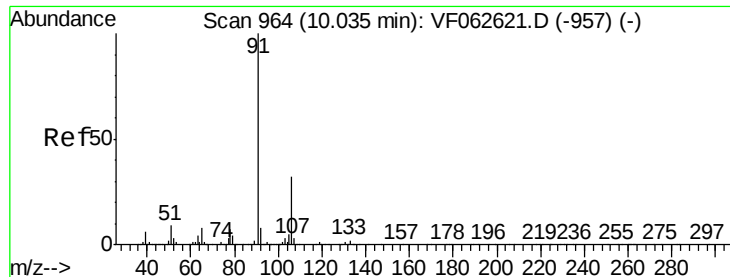


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 20.944 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 91 Resp: 739117

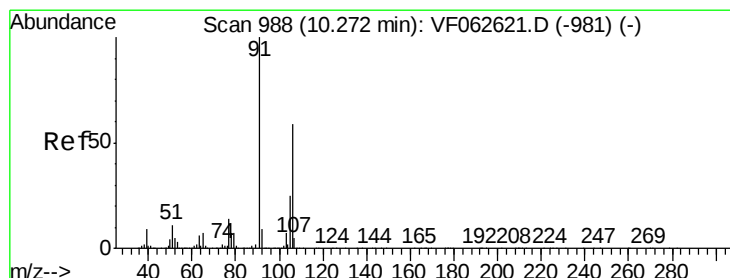
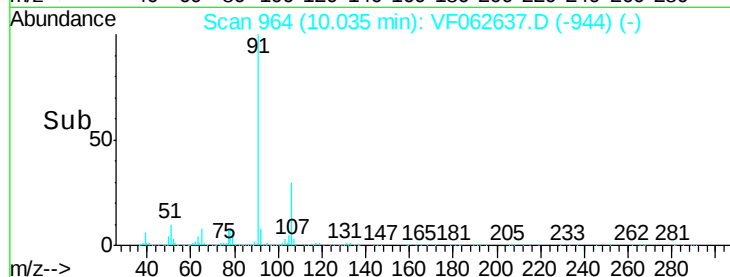
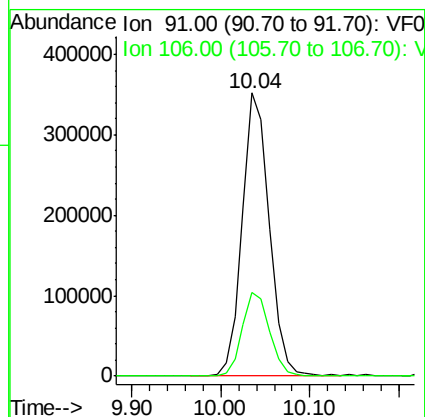
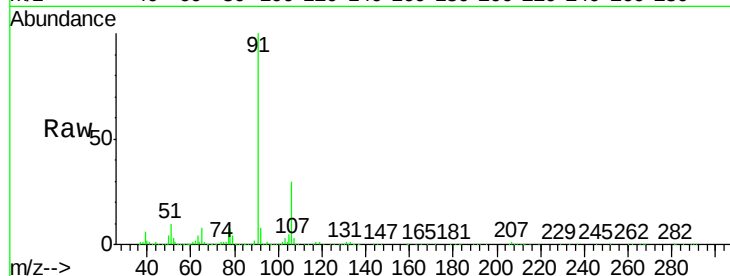
Ion Ratio Lower Upper

91 100

106 29.6 25.8 38.8

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#68

m/p-Xylenes

Concen: 39.561 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF062637.D

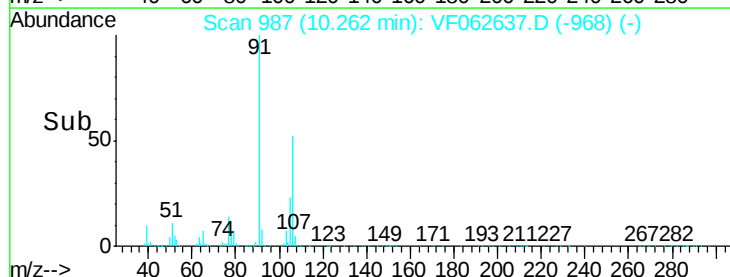
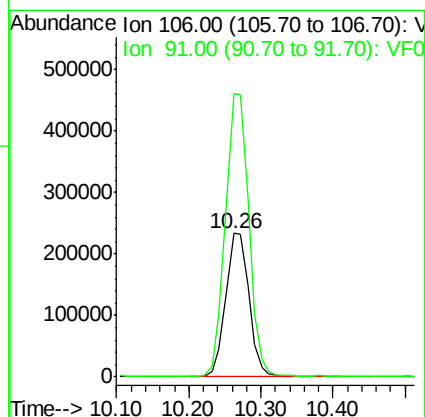
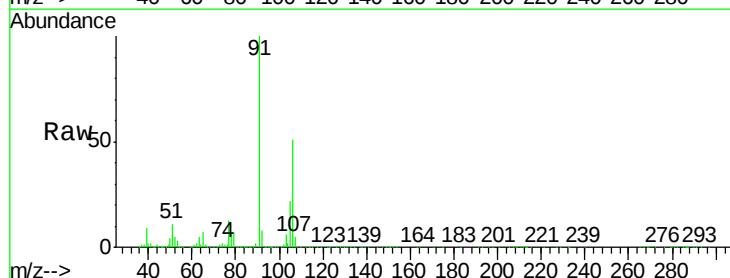
Acq: 17 May 2019 14:38

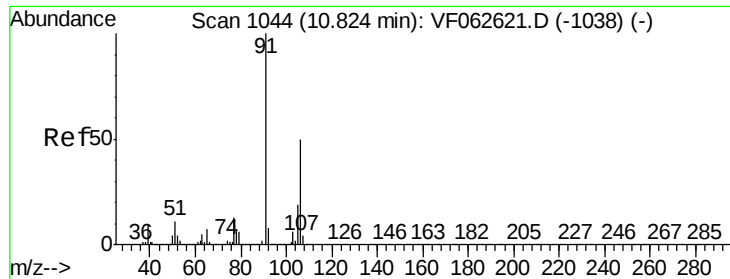
Tgt Ion: 106 Resp: 524732

Ion Ratio Lower Upper

106 100

91 196.8 136.9 205.3





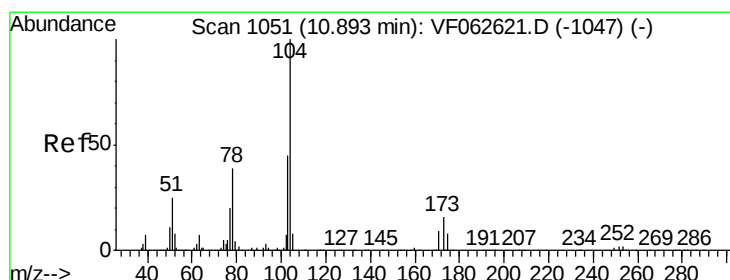
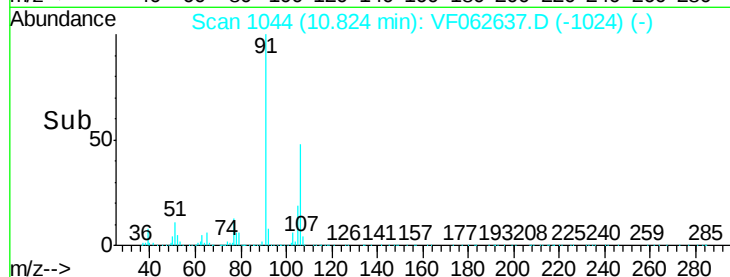
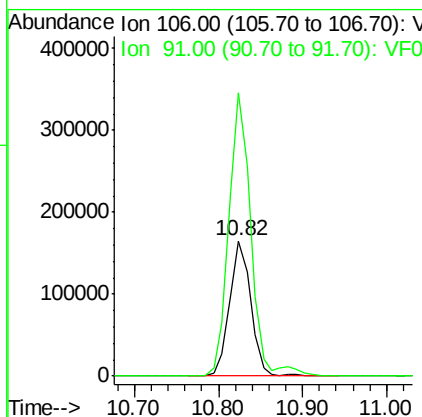
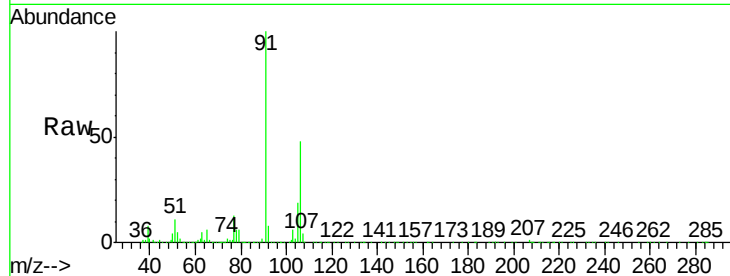
#69
o-Xylene
Concen: 21.321 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	291278		
91	209.7	100.2	300.5	

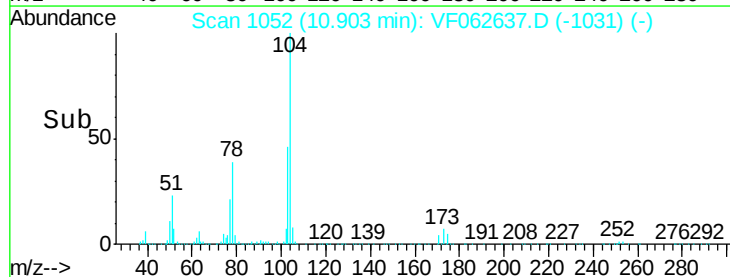
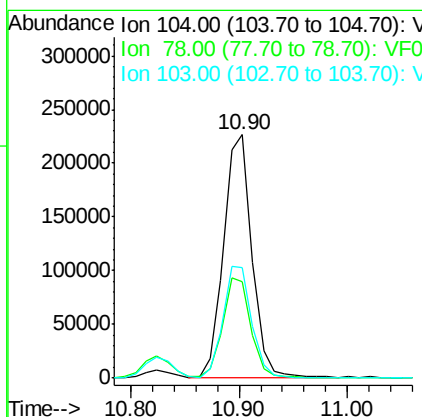
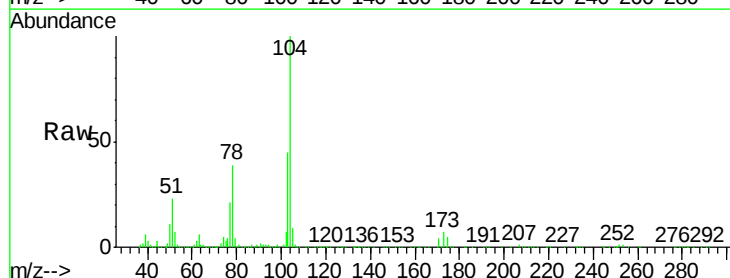
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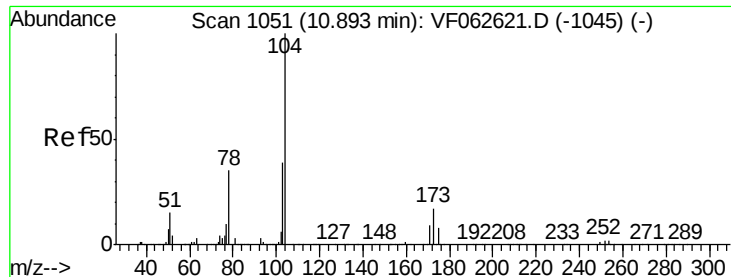
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#70
Styrene
Concen: 19.749 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	410091		
78	39.5	31.9	47.9	
103	45.5	36.1	54.1	





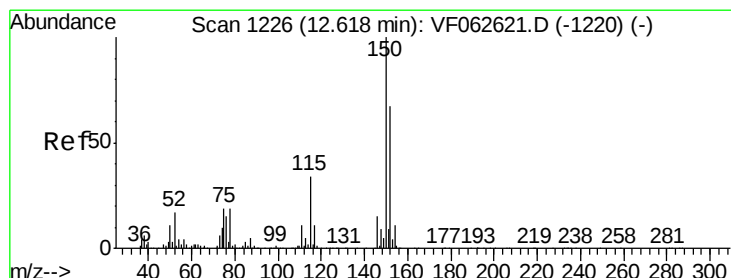
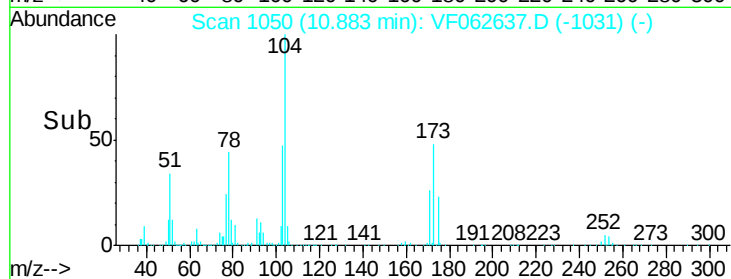
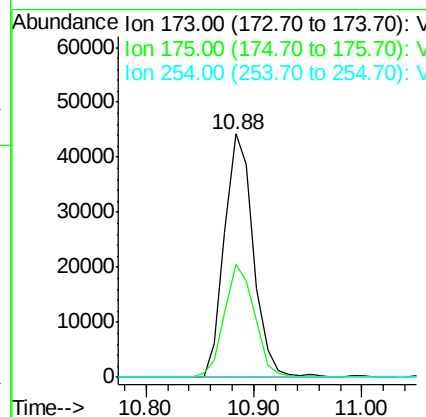
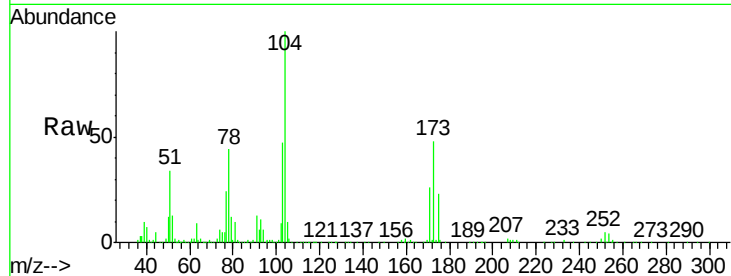
#71
Bromoform
Concen: 20.234 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	25.3	75.9
254	0.0	0.2	0.2

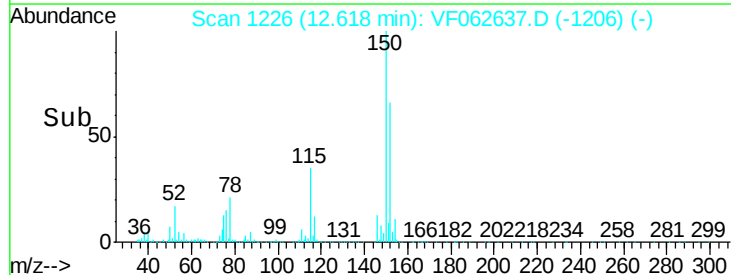
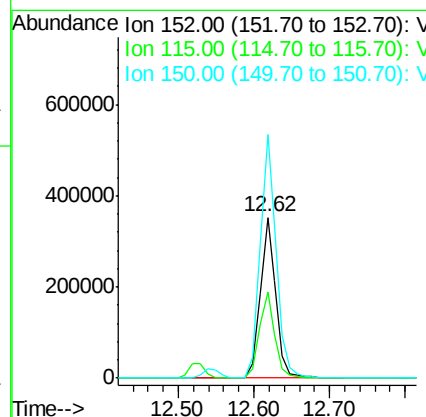
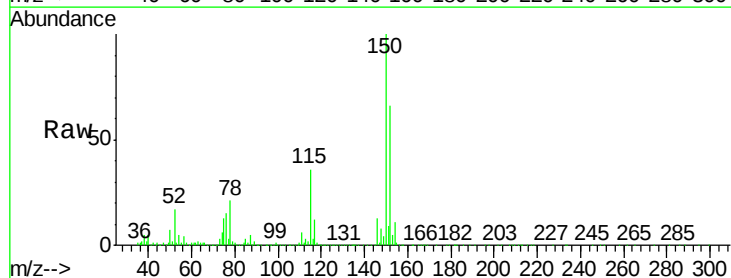
Manual Integrations
APPROVED

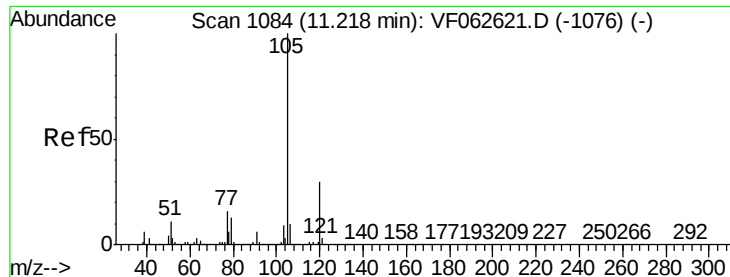
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1226
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	25.2	75.6
150	151.3	0.0	306.2





#73

Isopropylbenzene

Concen: 21.562 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 105 Resp: 789665

Ion Ratio Lower Upper

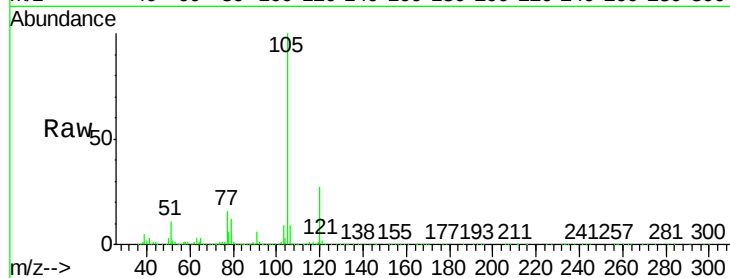
105 100

120 26.6 14.8 44.4

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

400000

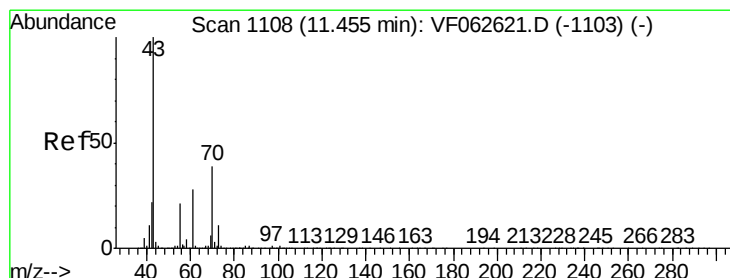
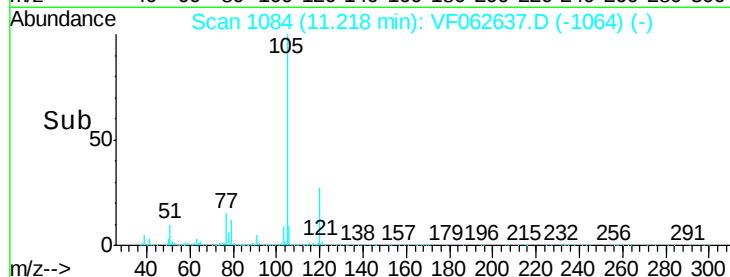
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.421 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion: 43 Resp: 211720

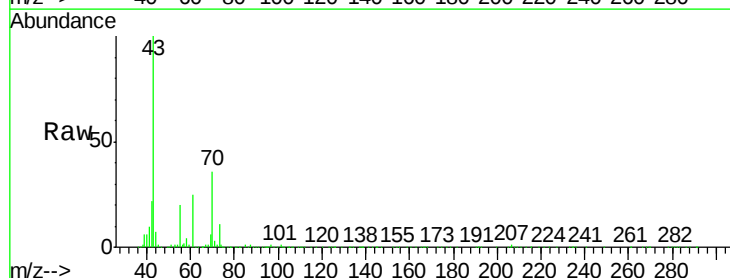
Ion Ratio Lower Upper

43 100

70 36.4 30.9 46.3

55 19.5 17.0 25.4

61 24.6 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.45

200000

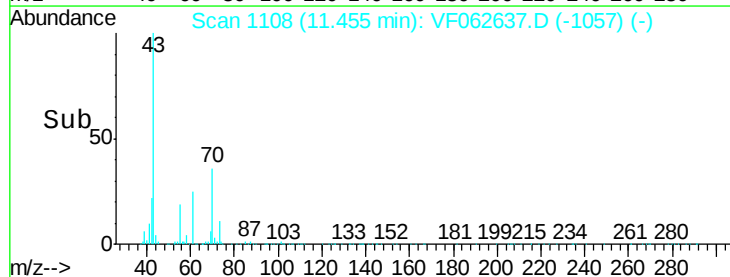
150000

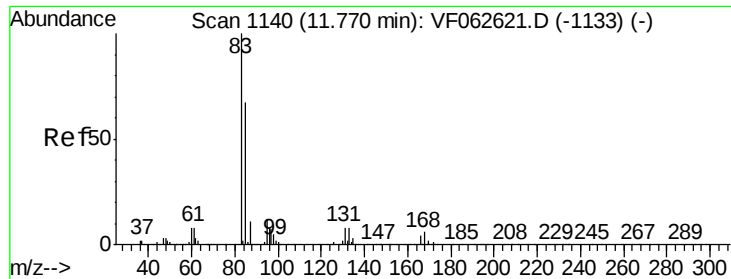
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.995 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

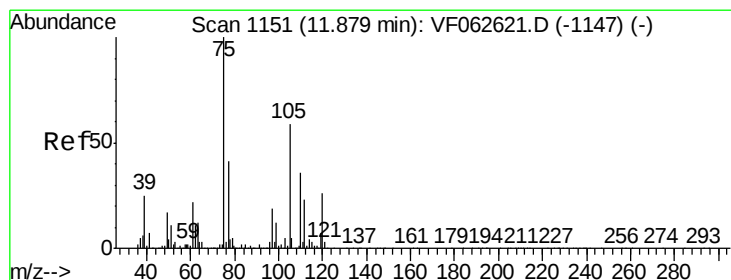
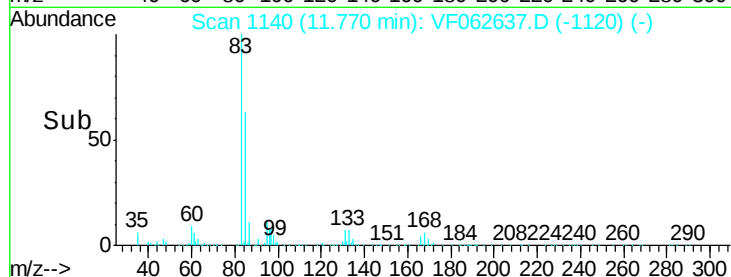
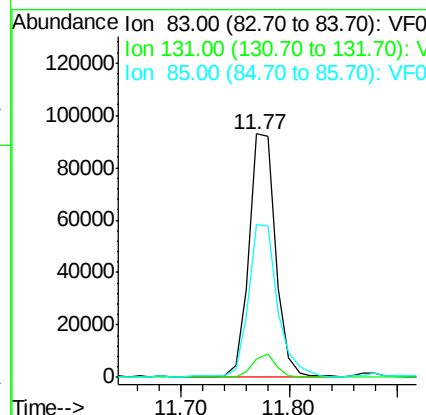
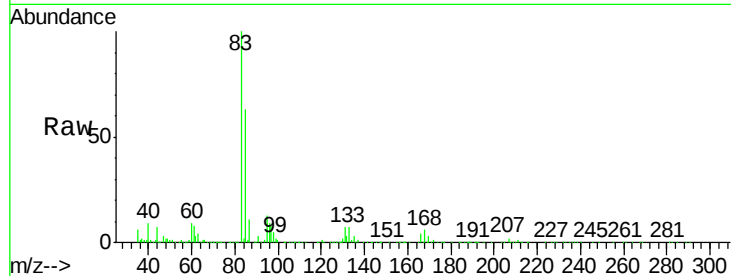
ClientSampleId :

VF0517SBS01

Tot Ion:	83	Resp:	157138
Ion Ratio	Lower	Upper	
83	100		
131	7.4	4.0	12.0
85	62.7	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 18.924 ug/l

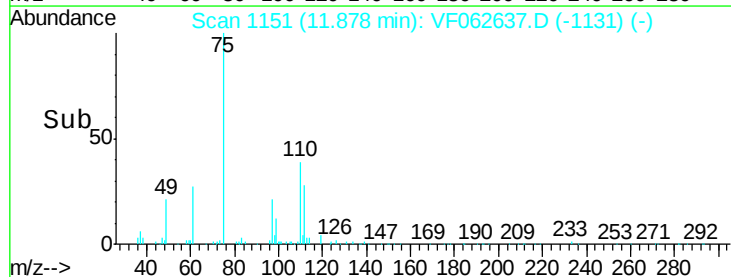
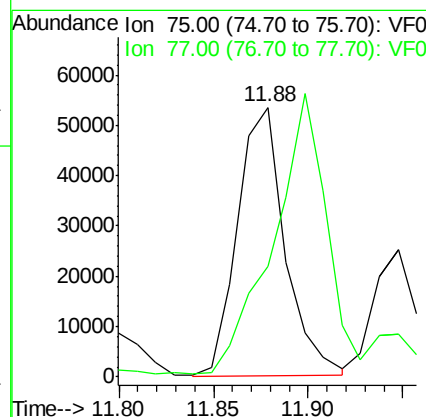
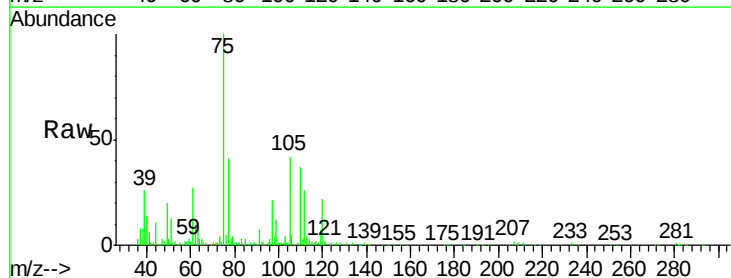
RT: 11.88 min Scan# 1151

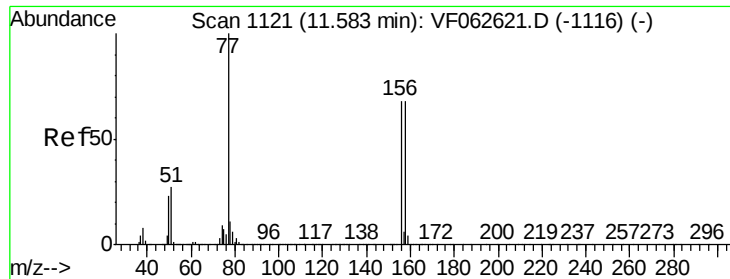
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	75	Resp:	93064
Ion Ratio	Lower	Upper	
75	100		
77	41.0	20.6	61.8





#77

Bromobenzene

Concen: 19.589 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

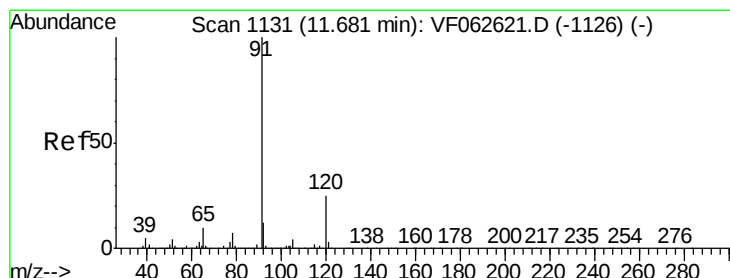
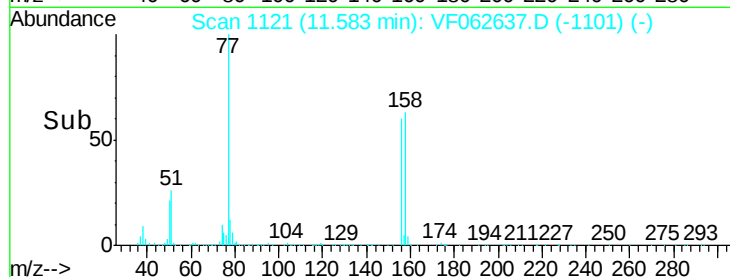
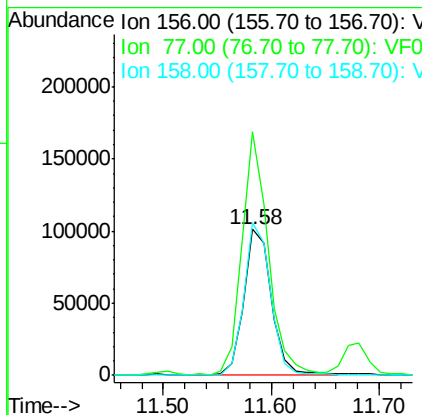
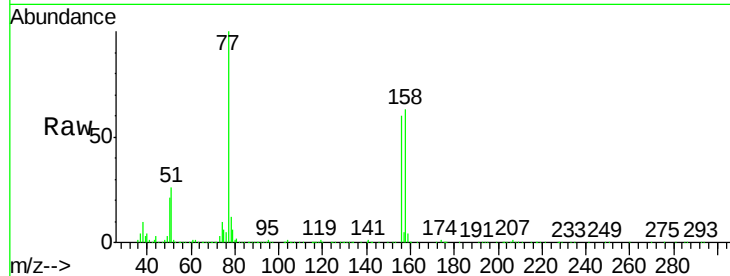
ClientSampleId :

VF0517SBS01

Tot Ion:	156	Resp:	178326
Ion Ratio	Lower	Upper	
156	100		
77	166.6	73.6	220.8
158	104.6	49.6	148.8

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#78

n-propylbenzene

Concen: 21.393 ug/l

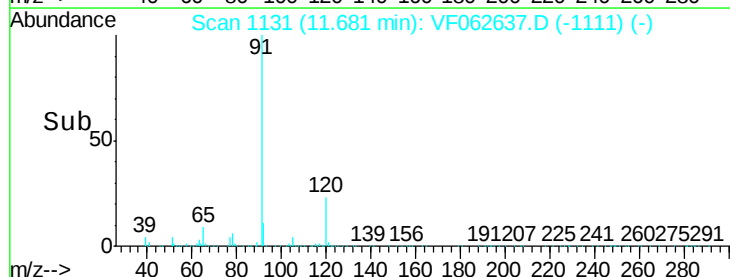
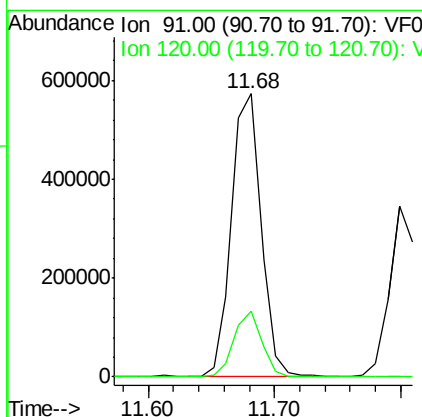
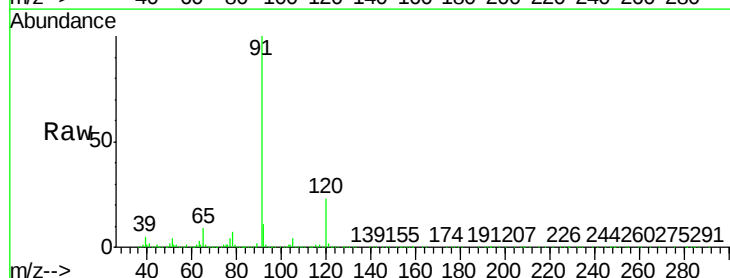
RT: 11.68 min Scan# 1131

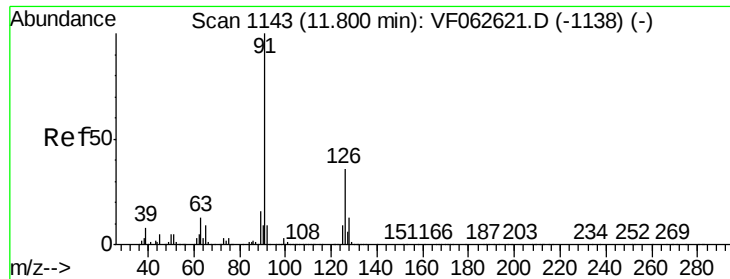
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	91	Resp:	927226
Ion Ratio	Lower	Upper	
91	100		
120	23.4	12.7	38.1





#79

2-Chlorotoluene

Concen: 21.911 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

ClientSampleId :

VF0517SBS01

Tot Ion: 91 Resp: 535189

Ion Ratio Lower Upper

91 100

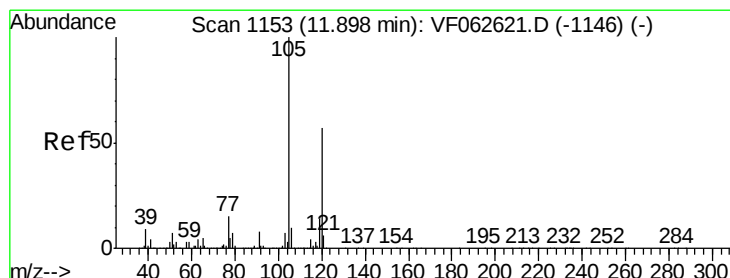
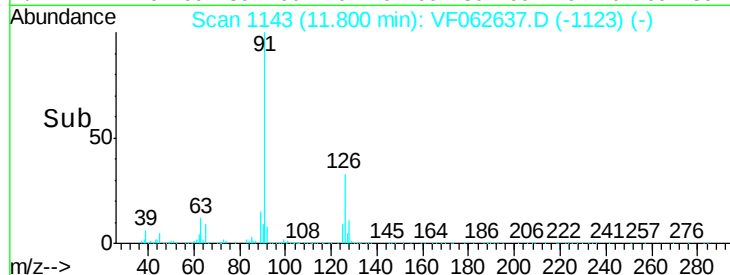
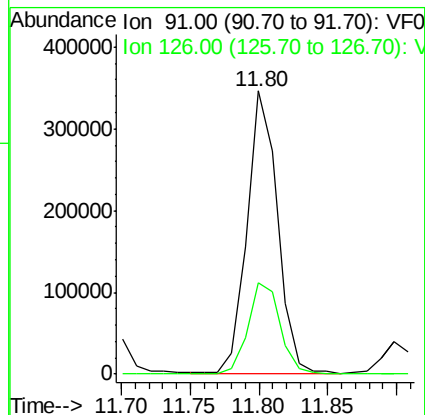
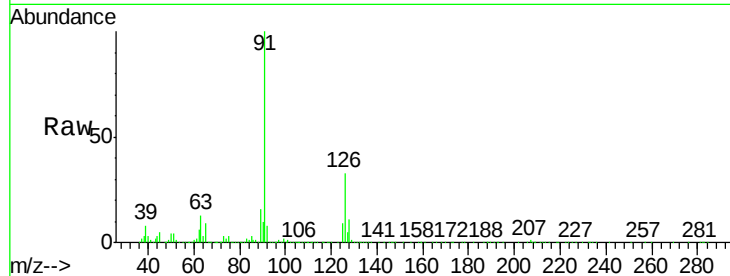
126 32.5 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 20.211 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062637.D

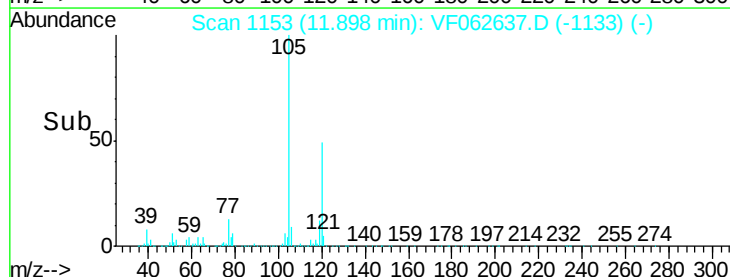
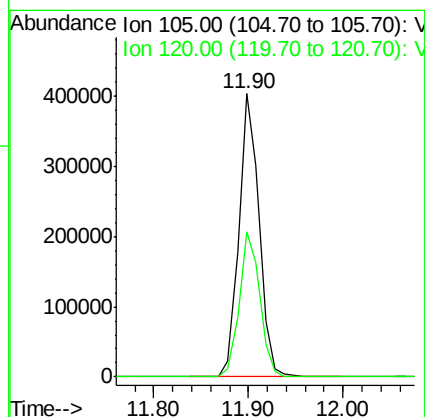
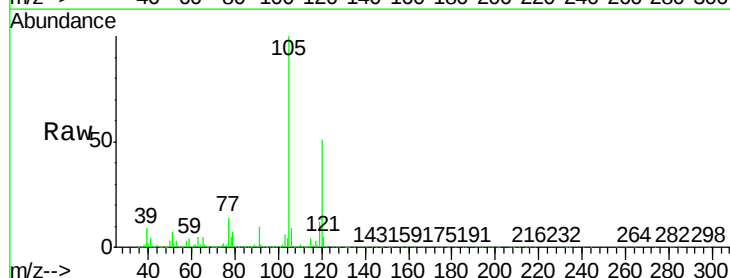
Acq: 17 May 2019 14:38

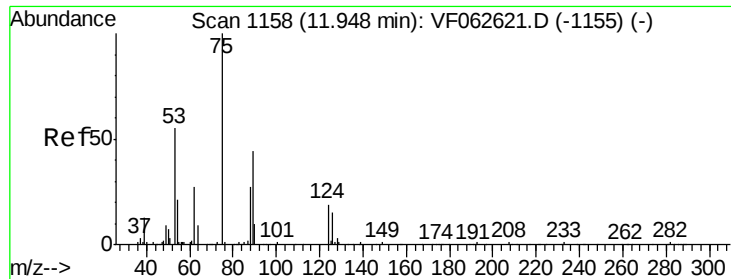
Tgt Ion:105 Resp: 593525

Ion Ratio Lower Upper

105 100

120 51.3 28.7 86.3





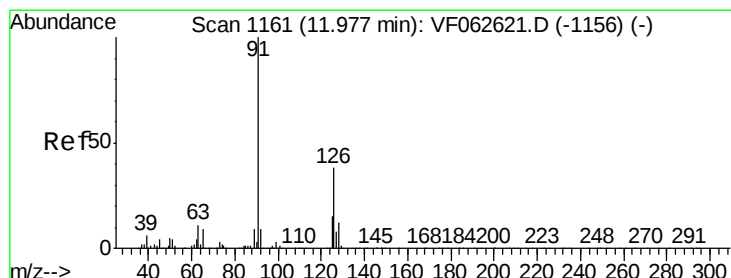
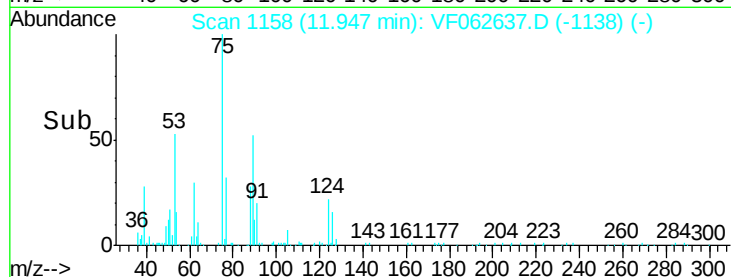
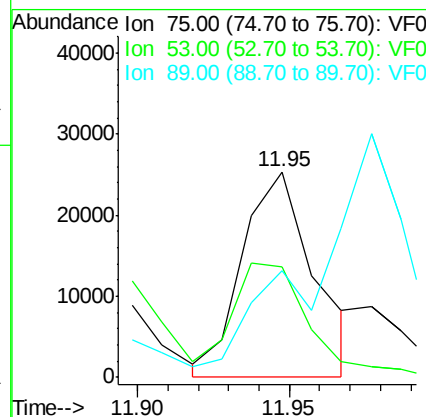
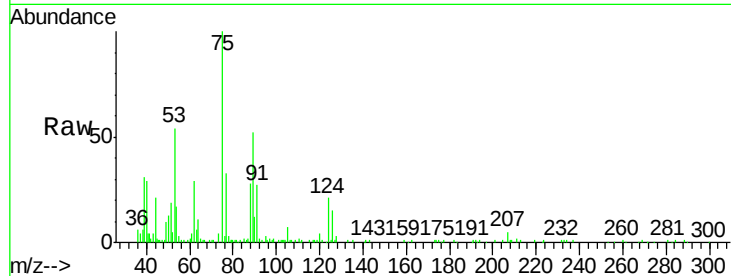
#81
trans-1,4-Dichloro-2-butene
Concen: 19.170 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	53.8	46.9	70.3
89	52.2	36.4	54.6

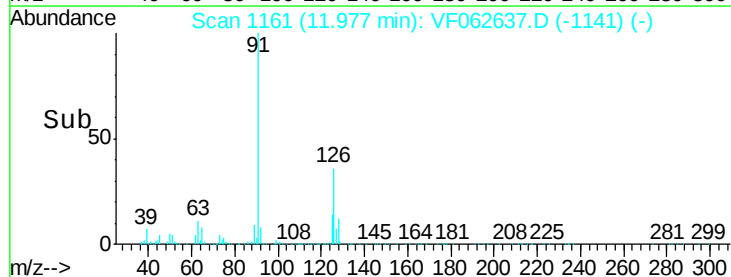
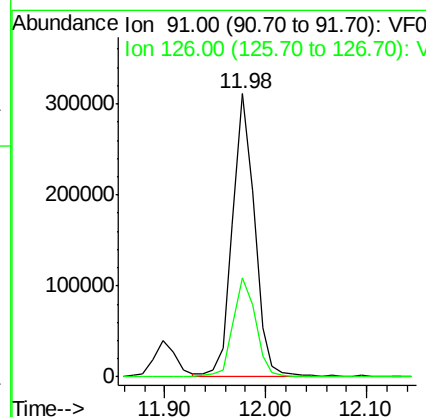
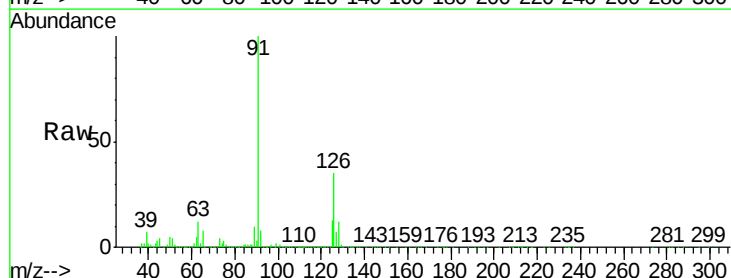
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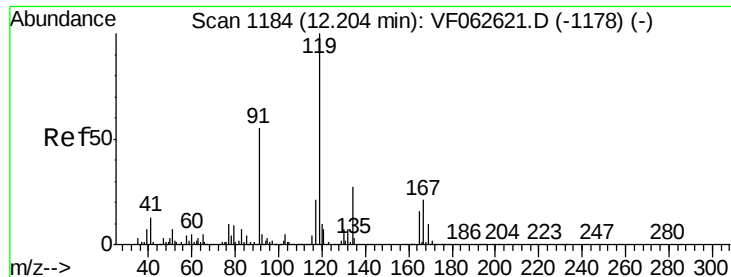
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#82
4-Chlorotoluene
Concen: 19.552 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	19.1	57.1





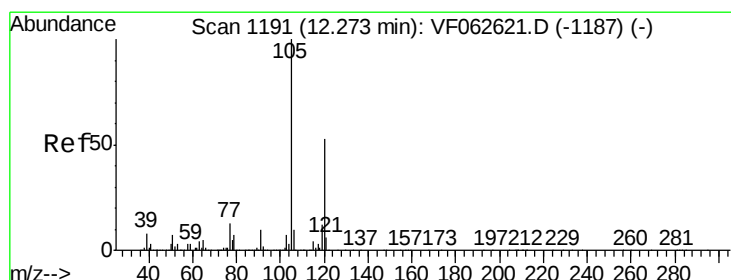
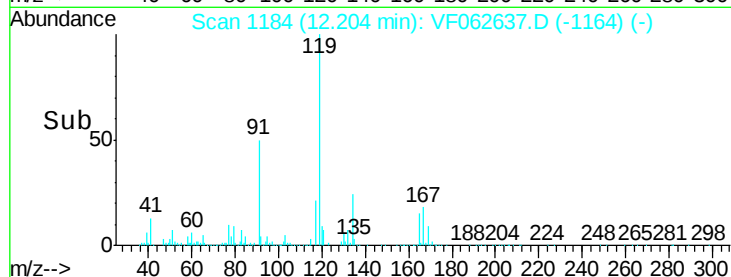
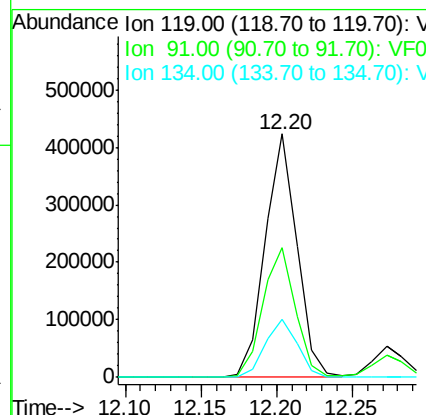
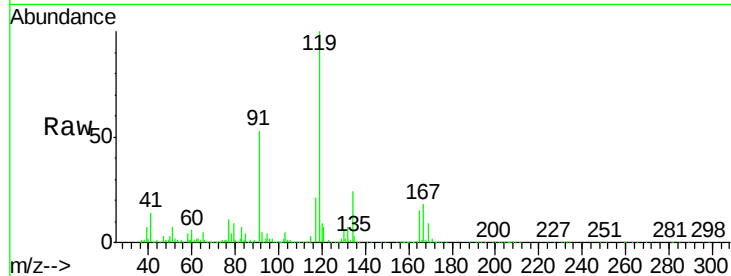
#83
 tert-Butylbenzene
 Concen: 21.028 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	626501		
91	53.1	27.3	81.9	
134	24.0	13.6	40.7	

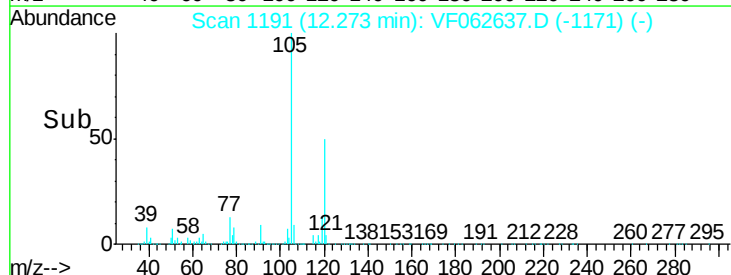
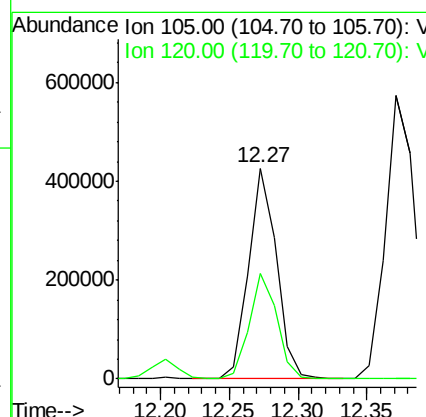
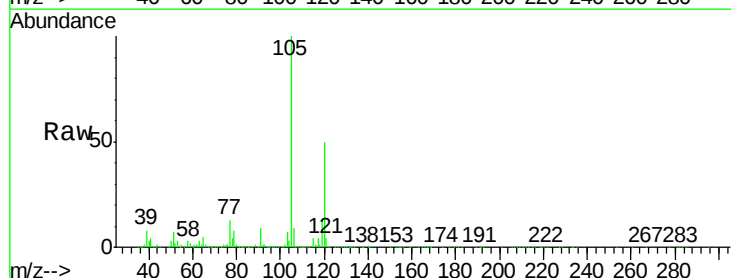
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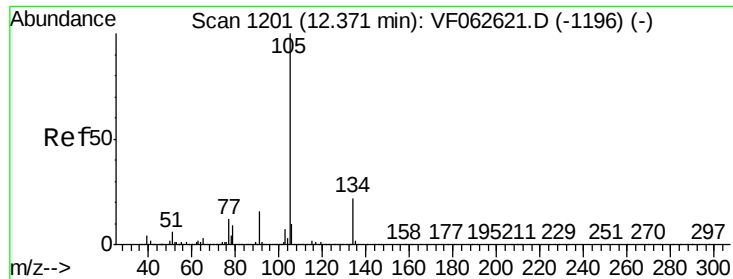
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.289 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	605074		
120	50.3	26.7	80.1	





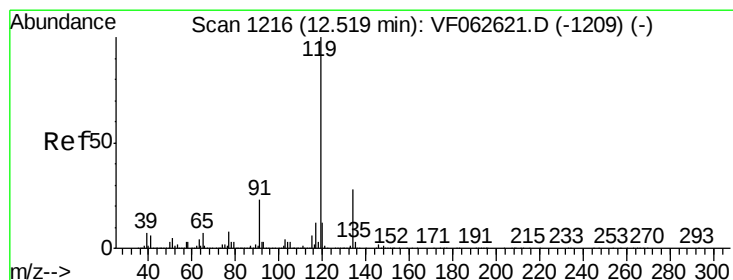
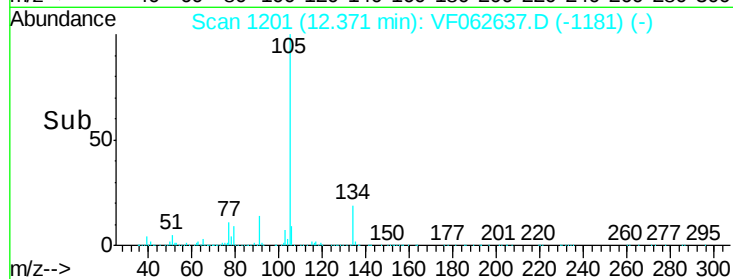
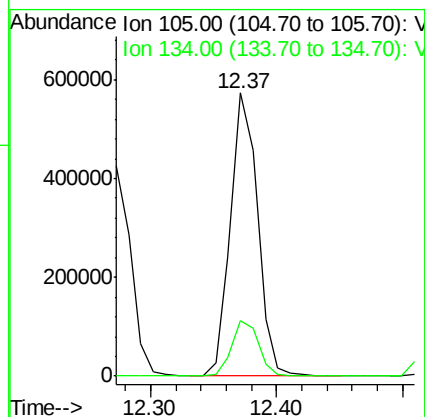
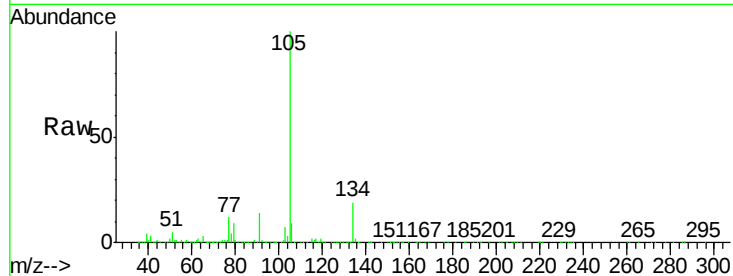
#85
 sec-Butylbenzene
 Concen: 21.229 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	10.8	32.4

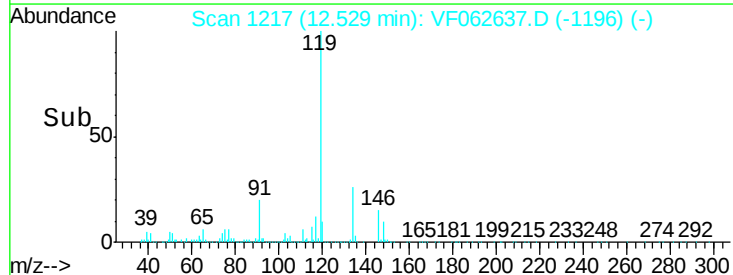
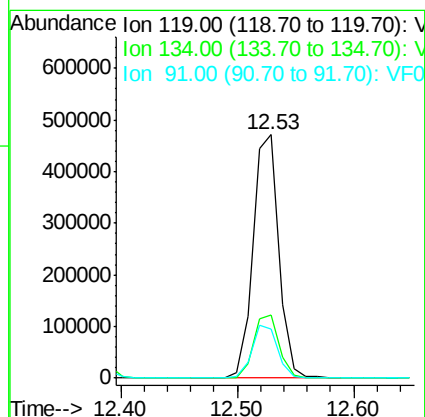
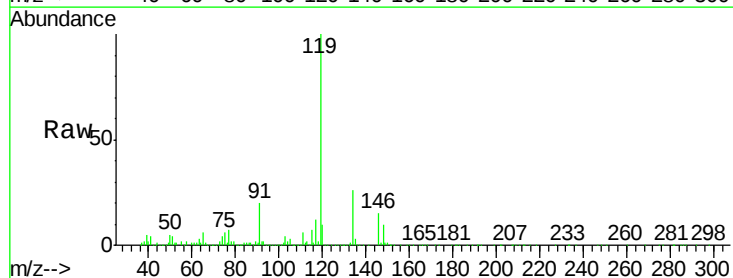
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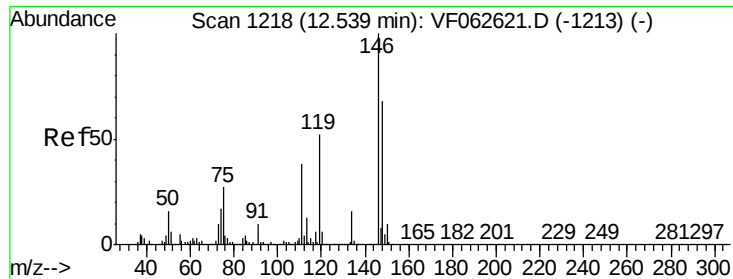
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#86
 p-Isopropyltoluene
 Concen: 21.322 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.1	14.1	42.3
91	20.3	11.4	34.2





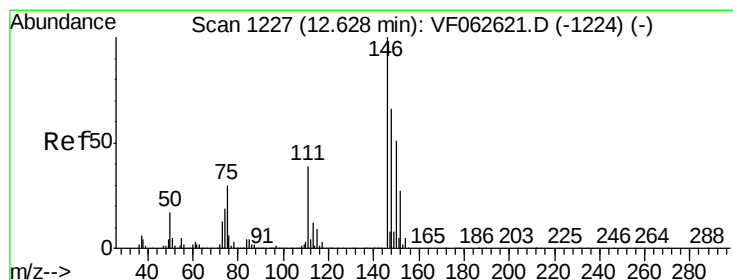
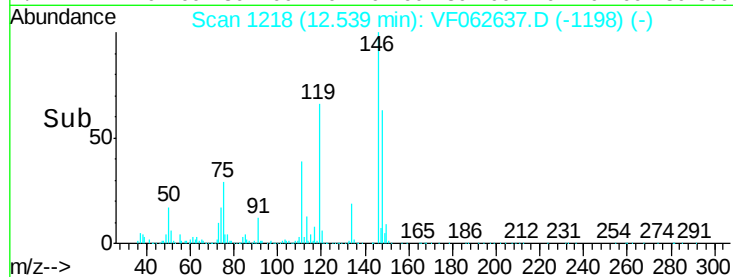
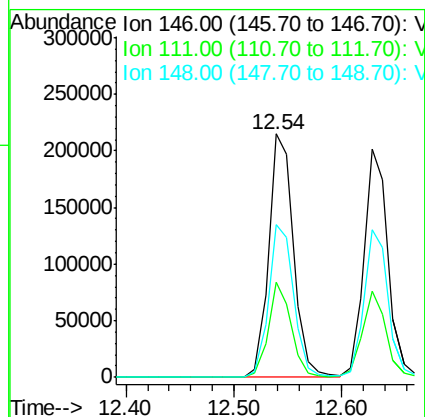
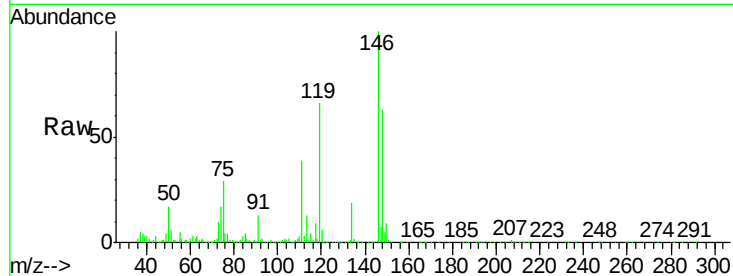
#87
 1,3-Dichlorobenzene
 Concen: 20.718 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.9	56.9
148	62.9	34.0	101.8

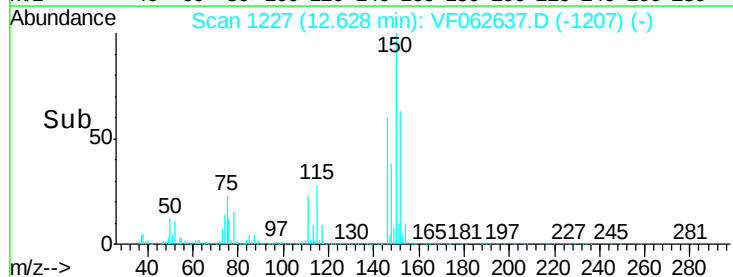
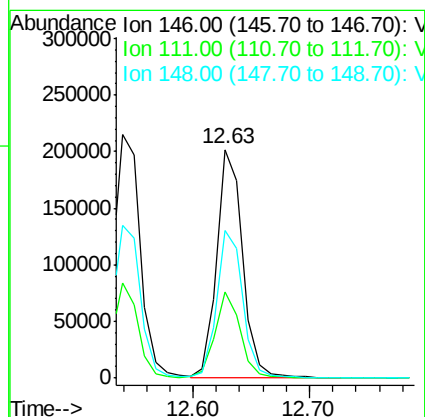
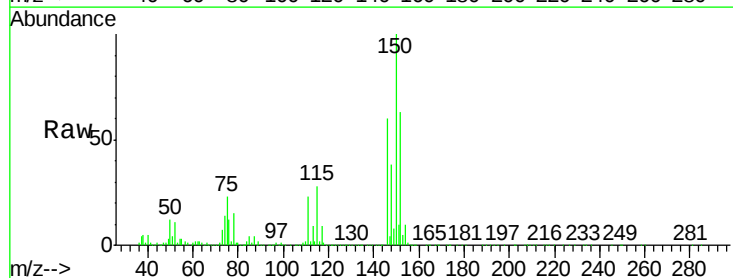
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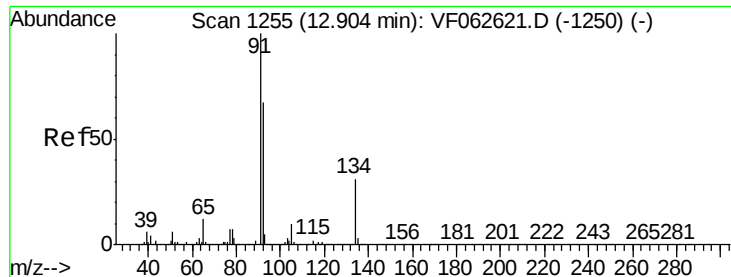
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#88
 1,4-Dichlorobenzene
 Concen: 20.038 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.4	58.2
148	64.4	33.2	99.6





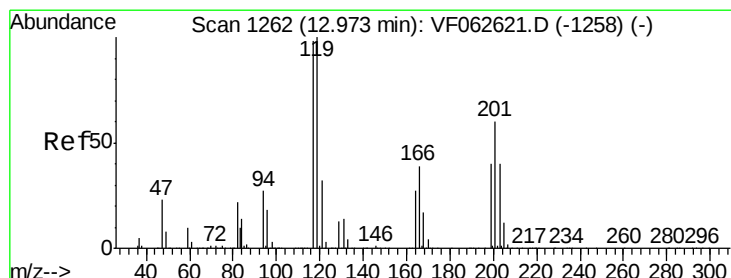
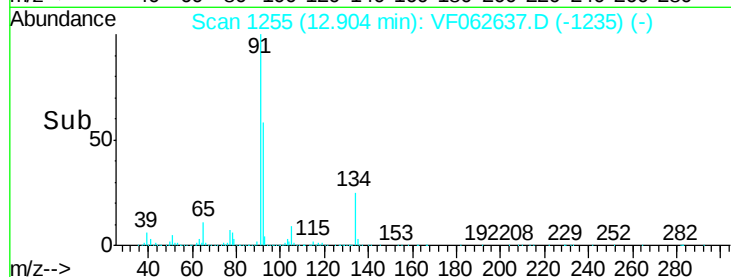
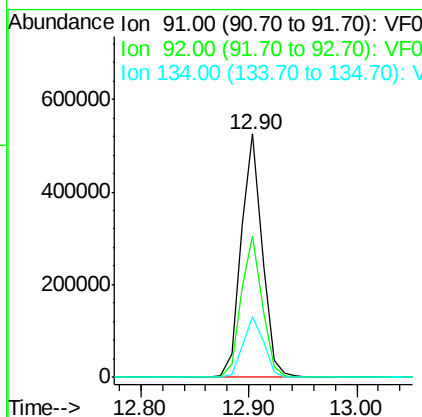
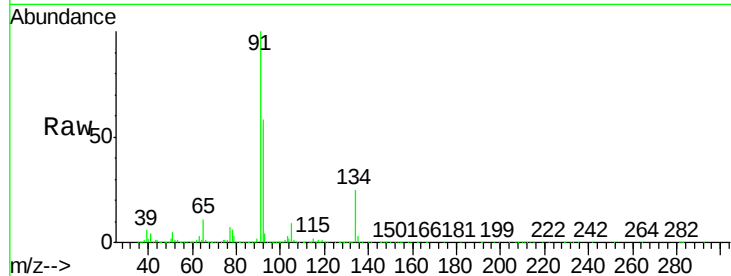
#89
n-Butylbenzene
Concen: 21.173 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Instrument :
MSVOA_F
ClientSampleId :
VF0517SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.1	33.3	99.8
134	25.1	15.4	46.4

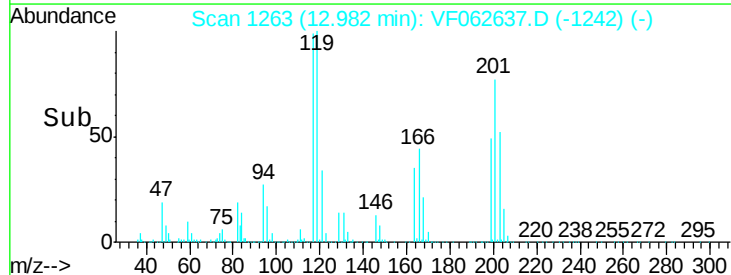
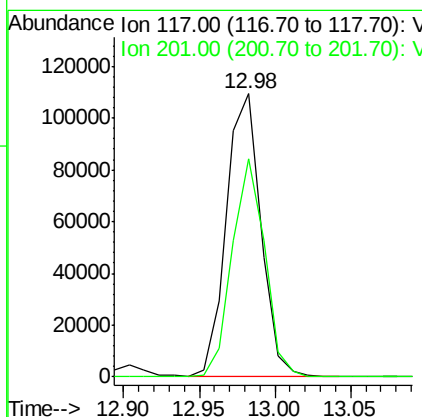
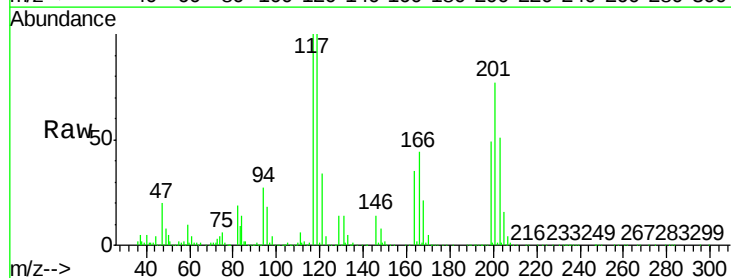
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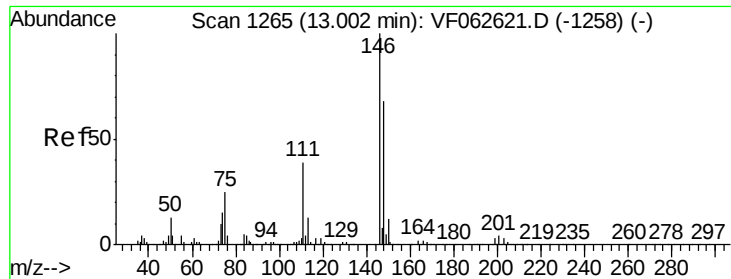
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#90
Hexachloroethane
Concen: 21.355 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062637.D
Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.1	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 20.716 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

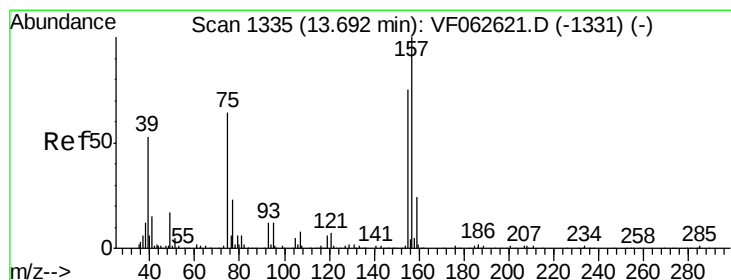
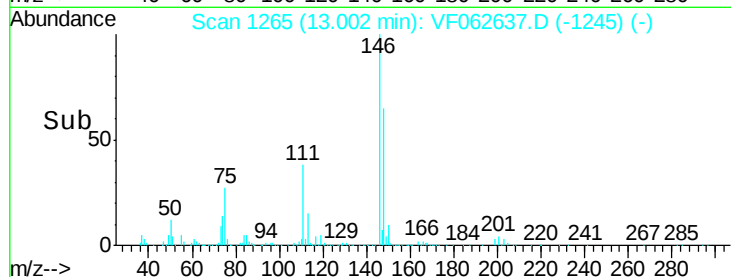
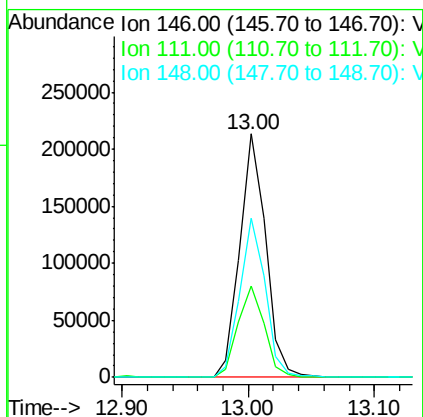
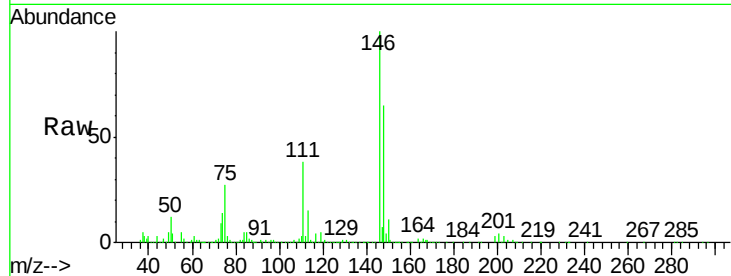
ClientSampleId :

VF0517SBS01

Tot Ion:	146	Resp:	304135
Ion Ratio		Lower	Upper
146	100		
111	37.6	19.8	59.3
148	65.1	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.326 ug/l

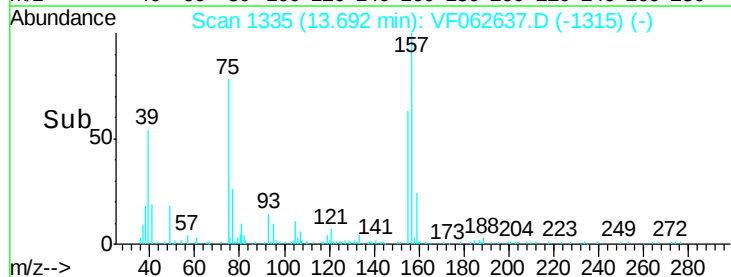
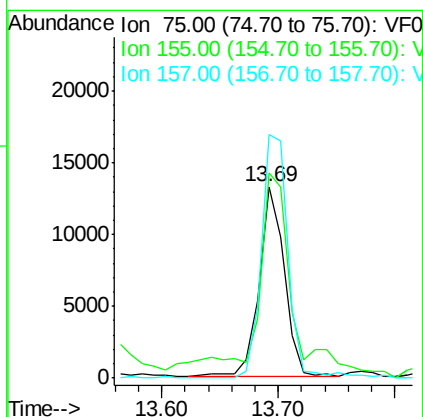
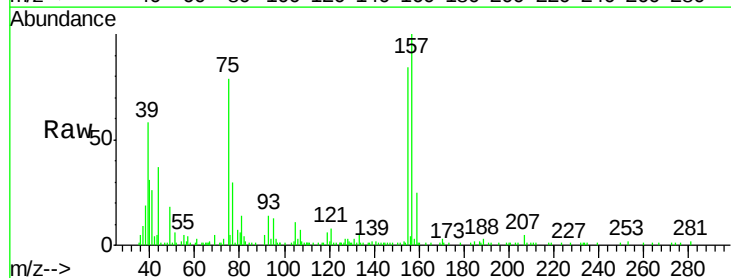
RT: 13.69 min Scan# 1335

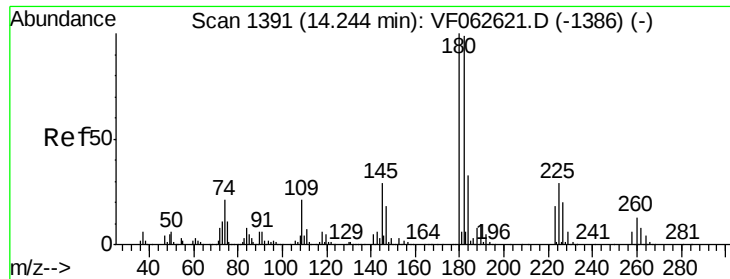
Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	75	Resp:	19934
Ion Ratio		Lower	Upper
75	100		
155	106.9	58.1	174.3
157	127.0	77.8	233.4





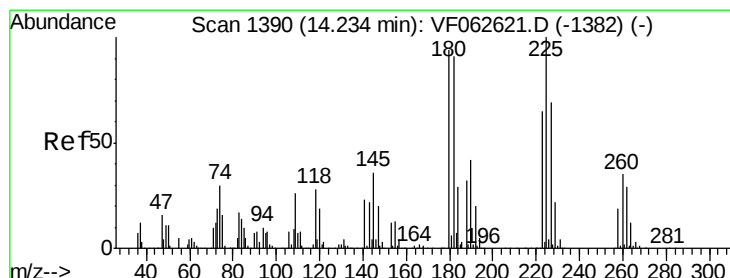
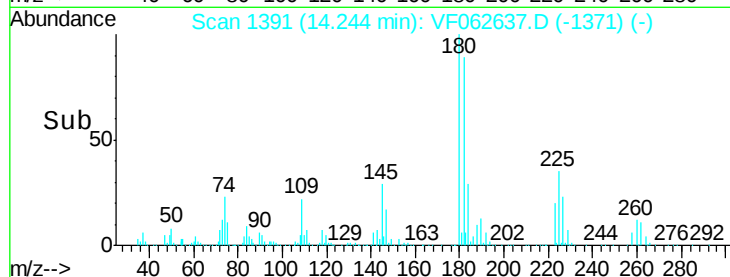
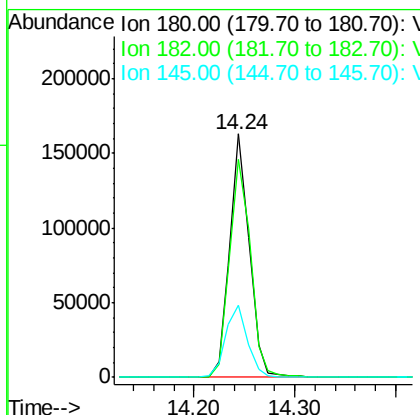
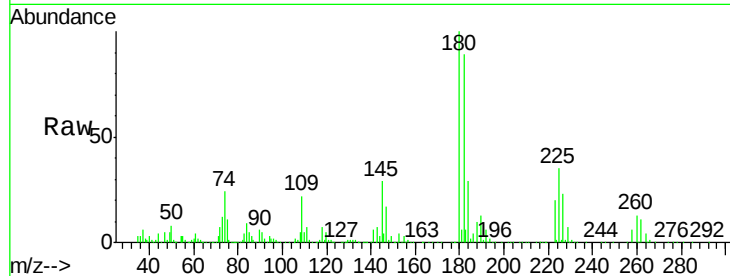
#93
 1,2,4-Trichlorobenzene
 Concen: 21.008 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0517SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	220764		
182	89.4	49.7	149.1	
145	29.4	14.6	44.0	

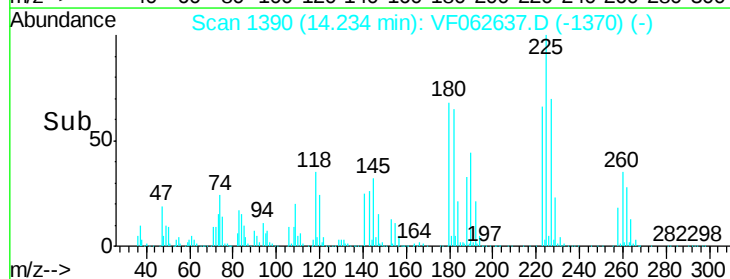
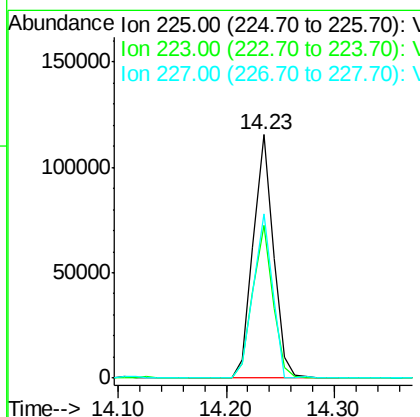
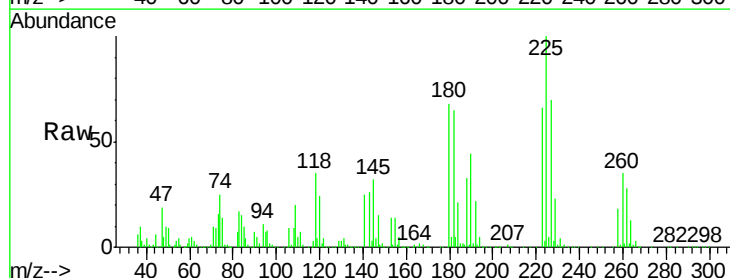
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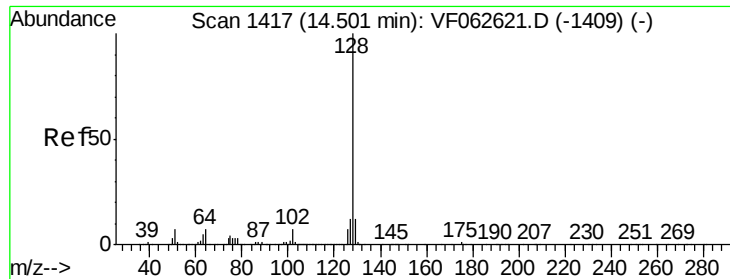
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#94
 Hexachlorobutadiene
 Concen: 20.670 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062637.D
 Acq: 17 May 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	151584		
223	62.8	32.5	97.4	
227	67.2	34.5	103.5	





#95

Naphthalene

Concen: 20.813 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Instrument :

MSVOA_F

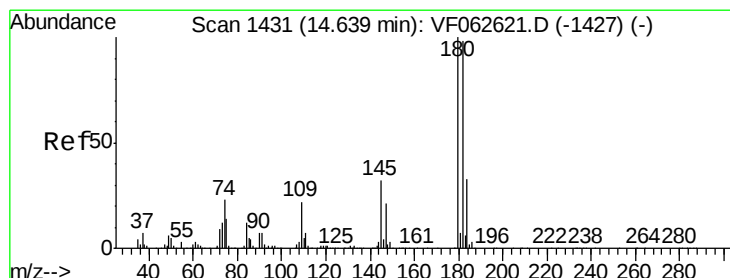
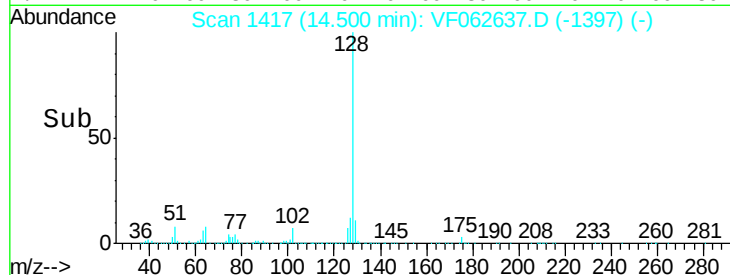
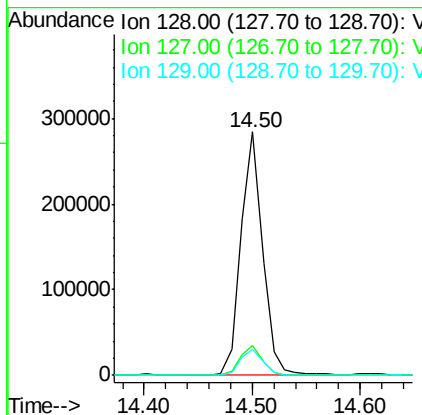
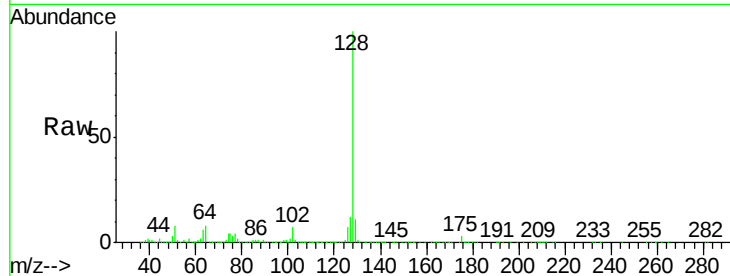
ClientSampleId :

VF0517SBS01

Tot Ion:	128	Resp:	397340
Ion Ratio	Lower	Upper	
128	100		
127	12.4	9.7	14.5
129	10.6	9.3	13.9

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#96

1,2,3-Trichlorobenzene

Concen: 22.636 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062637.D

Acq: 17 May 2019 14:38

Tgt Ion:	180	Resp:	225316
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.9	146.7
145	29.8	16.1	48.2

