

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062619.D
 Acq On : 16 May 2019 11:04
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:00 PM

Quant Time: May 17 05:10:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:56:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	805181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1290072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	979871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	463793	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	54987	9.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.32%	
35) Dibromofluoromethane	4.32	113	104565	10.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.18%	
50) Toluene-d8	7.72	98	244292	10.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.72%	
62) 4-Bromofluorobenzene	11.50	95	91749	10.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.52%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.01	85	112524	10.269	ug/l	98
3) Chloromethane	1.14	50	114400	11.339	ug/l	94
4) Vinyl Chloride	1.19	62	98854	10.644	ug/l	96
5) Bromomethane	1.40	94	54109	10.650	ug/l	98
6) Chloroethane	1.45	64	42336	12.412	ug/l	95
7) Trichlorofluoromethane	1.57	101	143797	12.240	ug/l	94
8) Diethyl Ether	1.72	74	25468	10.309	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.91	101	86216	10.858	ug/l	87
10) Methyl Iodide	1.99	142	173359	11.114	ug/l #	98
11) Tert butyl alcohol	2.70	59	17745	47.239	ug/l #	78
12) 1,1-Dichloroethene	1.87	96	79979	11.057	ug/l	95
13) Acrolein	2.10	56	23390	59.650	ug/l	90
14) Allyl chloride	2.21	41	85269	11.998	ug/l	92
15) Acrylonitrile	3.10	53	75051	70.827	ug/l	96
16) Acetone	2.36	43	62998	42.678	ug/l	90
17) Carbon Disulfide	1.92	76	243305	11.805	ug/l	95
18) Methyl Acetate	2.47	43	33312m	13.205	ug/l	
19) Methyl tert-butyl Ether	2.55	73	148688	11.499	ug/l	99
20) Methylene Chloride	2.35	84	83418m	11.340	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	80367	11.368	ug/l	95
22) Diisopropyl ether	2.95	45	178447	11.052	ug/l	97
23) Vinyl Acetate	3.35	43	576597	52.939	ug/l	96
24) 1,1-Dichloroethane	3.02	63	141330	11.932	ug/l	99
25) 2-Butanone	4.54	43	160709	50.959	ug/l	99
26) 2,2-Dichloropropane	3.79	77	78308	11.555	ug/l	97
27) cis-1,2-Dichloroethene	3.66	96	122127	10.502	ug/l	94
28) Bromochloromethane	3.91	49	75021	11.293	ug/l #	75
29) Tetrahydrofuran	4.28	42	66760	52.311	ug/l	99
30) Chloroform	4.06	83	185964	11.308	ug/l	97
31) Cyclohexane	3.87	56	173004	11.732	ug/l	85
32) 1,1,1-Trichloroethane	4.30	97	131436	12.035	ug/l	95
36) 1,1-Dichloropropene	4.49	75	150136	11.357	ug/l	96
37) Ethyl Acetate	4.31	43	55769	10.332	ug/l #	98
38) Carbon Tetrachloride	4.20	117	120482	12.936	ug/l	95

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	173929	10.935	ug/l	95
40) Benzene	4.83	78	419444	11.647	ug/l	93
41) Methacrylonitrile	4.95	41	29775	10.522	ug/l	95
42) 1,2-Dichloroethane	5.14	62	81143	11.299	ug/l	99
43) Isopropyl Acetate	7.13	43	63178	9.035	ug/l #	86
44) Trichloroethene	5.69	130	113354	11.199	ug/l	95
45) 1,2-Dichloropropane	6.42	63	101234	11.136	ug/l	94
46) Dibromomethane	6.27	93	56814	10.814	ug/l	96
47) Bromodichloromethane	6.57	83	117819	10.802	ug/l	96
48) Methyl methacrylate	6.89	41	37271	10.198	ug/l #	95
49) 1,4-Dioxane	6.88	88	9139	195.229	ug/l #	91
51) 4-Methyl-2-Pentanone	8.41	43	249134	52.123	ug/l	95
52) Toluene	7.79	92	214705	11.368	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	98213	11.006	ug/l	99
54) cis-1,3-Dichloropropene	7.47	75	136442	10.923	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	59060	10.561	ug/l #	88
56) Ethyl methacrylate	8.76	69	66516	9.984	ug/l	94
57) 1,3-Dichloropropane	9.00	76	104334	10.954	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	101490	46.800	ug/l	98
59) 2-Hexanone	9.63	43	172028	49.226	ug/l	97
60) Dibromochloromethane	8.87	129	72122	9.896	ug/l	85
61) 1,2-Dibromoethane	9.14	107	60544	10.193	ug/l	88
64) Tetrachloroethene	8.31	164	88497	11.400	ug/l	96
65) Chlorobenzene	9.94	112	210746	10.950	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.07	131	87826	11.367	ug/l	97
67) Ethyl Benzene	10.04	91	377768	11.299	ug/l	98
68) m/p-Xylenes	10.26	106	269977	21.485	ug/l	75
69) o-Xylene	10.82	106	134602	10.400	ug/l	93
70) Styrene	10.89	104	197953	10.062	ug/l	99
71) Bromoform	10.88	173	37837	9.778	ug/l #	97
73) Isopropylbenzene	11.22	105	405442	12.197	ug/l	92
74) N-amyl acetate	11.45	43	105019	10.241	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	78549	11.563	ug/l	92
76) 1,2,3-Trichloropropane	11.87	75	52502	11.762	ug/l	86
77) Bromobenzene	11.58	156	93213	11.281	ug/l	84
78) n-propylbenzene	11.68	91	497717	12.652	ug/l	93
79) 2-Chlorotoluene	11.80	91	274407	12.377	ug/l	97
80) 1,3,5-Trimethylbenzene	11.90	105	334718	12.558	ug/l	91
81) trans-1,4-Dichloro-2-buten	11.95	75	20547m	8.285	ug/l	
82) 4-Chlorotoluene	11.98	91	276019	12.625	ug/l	96
83) tert-Butylbenzene	12.20	119	328960	12.165	ug/l	95
84) 1,2,4-Trimethylbenzene	12.27	105	309692	12.005	ug/l	95
85) sec-Butylbenzene	12.37	105	441892	12.176	ug/l	93
86) p-Isopropyltoluene	12.52	119	372816	12.190	ug/l	97
87) 1,3-Dichlorobenzene	12.54	146	185333	12.398	ug/l	97
88) 1,4-Dichlorobenzene	12.63	146	159386	11.362	ug/l	96
89) n-Butylbenzene	12.90	91	360472	11.954	ug/l	93
90) Hexachloroethane	12.97	117	87355	11.907	ug/l	91
91) 1,2-Dichlorobenzene	13.00	146	159071	11.938	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.69	75	8587	10.596	ug/l	66

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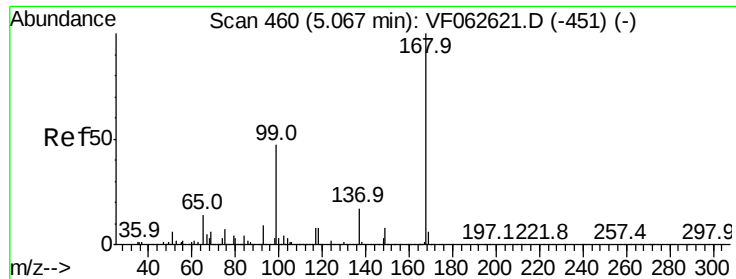
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 17 04:56:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	106015	11.115	ug/l	99
94) Hexachlorobutadiene	14.23	225	76910	11.554	ug/l	91
95) Naphthalene	14.50	128	156983	9.059	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	96807	10.715	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 805181

Ion Ratio Lower Upper

168 100

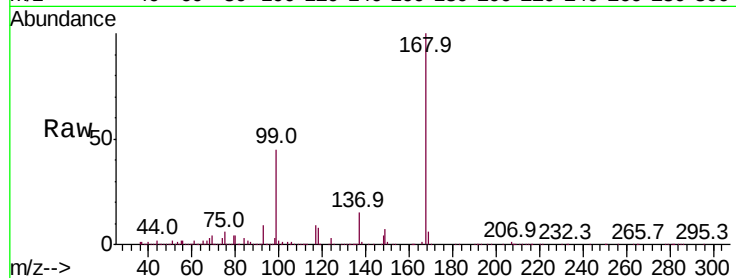
99 45.4 37.8 56.8

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

250000

200000

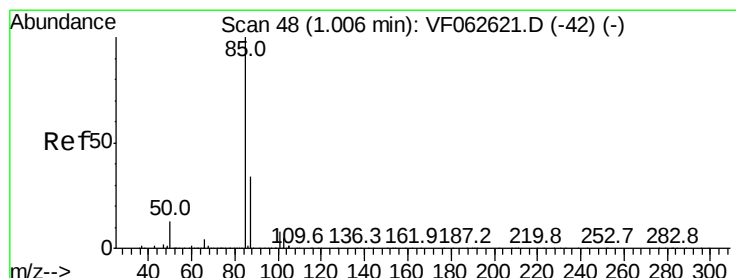
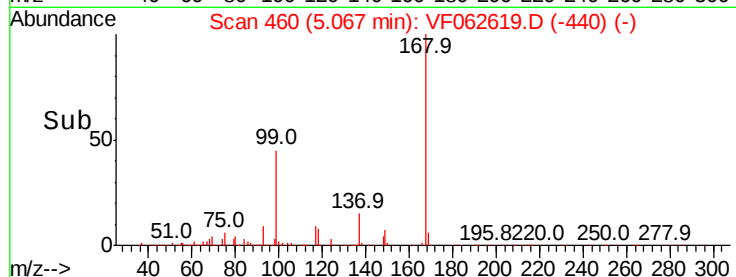
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.269 ug/l

RT: 1.01 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF062619.D

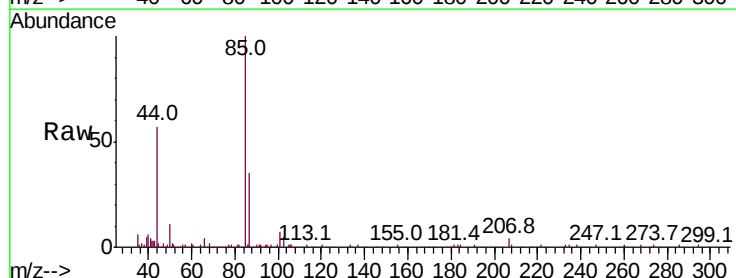
Acq: 16 May 2019 11:04

Tgt Ion: 85 Resp: 112524

Ion Ratio Lower Upper

85 100

87 34.6 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

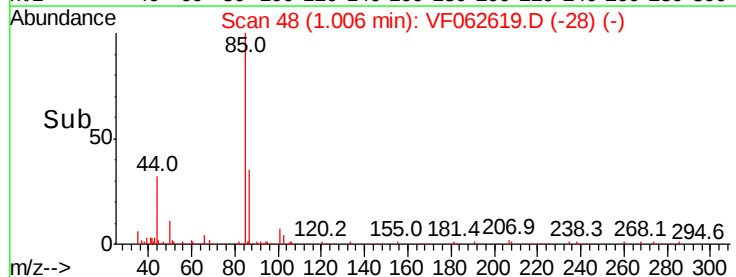
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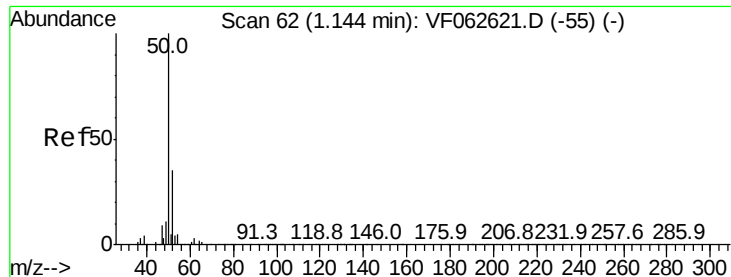
20000

10000

0

Time-->





#3

Chloromethane

Concen: 11.339 ug/l

RT: 1.14 min Scan# 62

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 114400

Ion Ratio Lower Upper

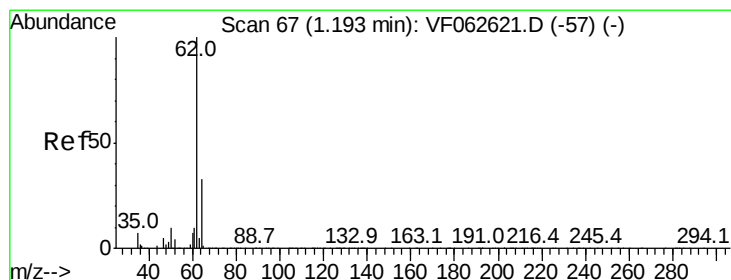
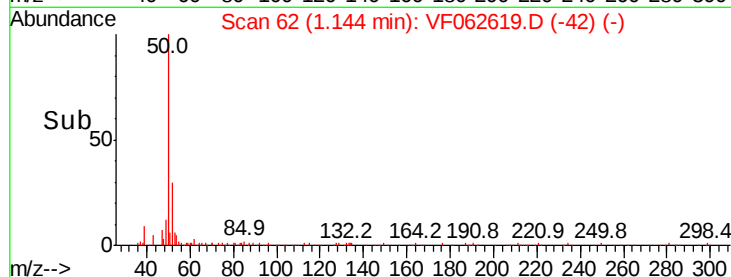
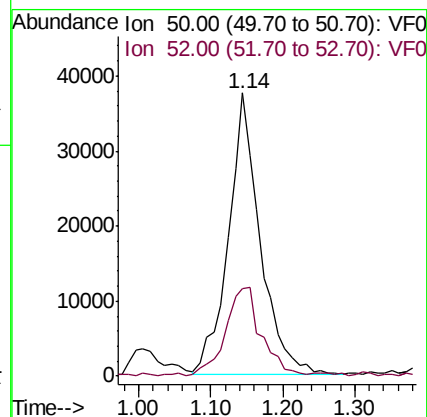
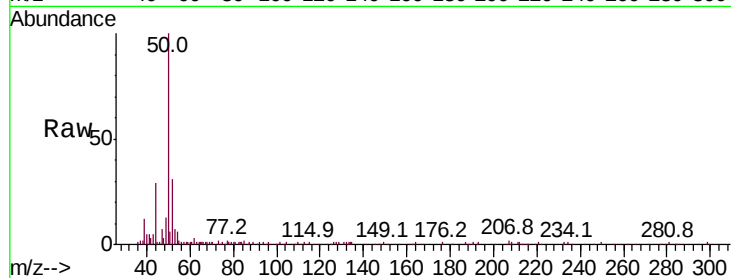
50 100

52 31.1 27.5 41.3

Manual Integrations
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5/17/2019 4:20:00 PM



#4

Vinyl Chloride

Concen: 10.644 ug/l

RT: 1.19 min Scan# 67

Delta R.T. 0.00 min

Lab File: VF062619.D

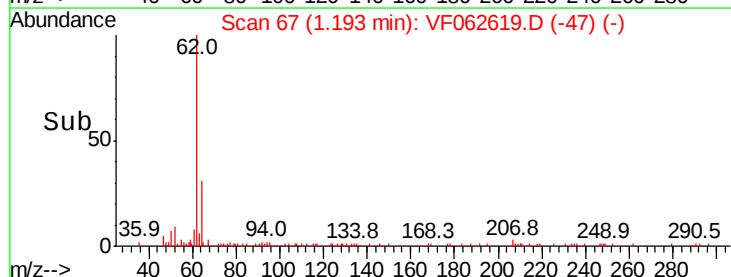
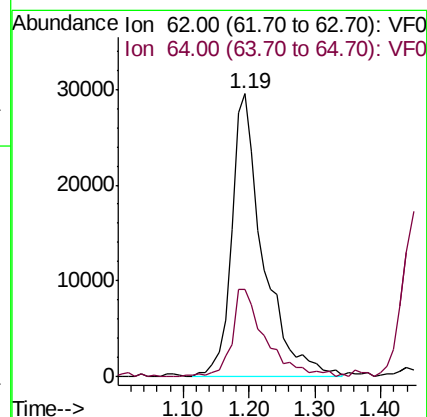
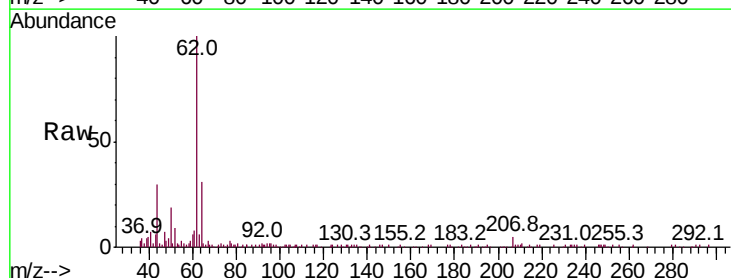
Acq: 16 May 2019 11:04

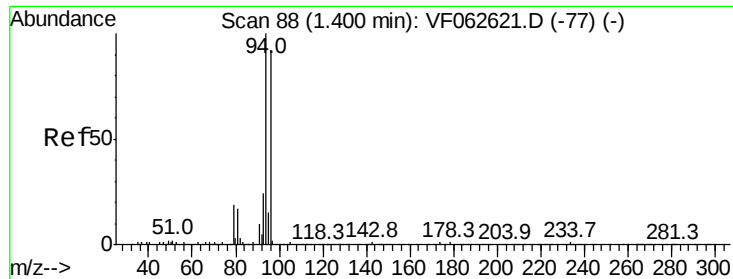
Tgt Ion: 62 Resp: 98854

Ion Ratio Lower Upper

62 100

64 31.0 26.7 40.1





#5

Bromomethane

Concen: 10.650 ug/l

RT: 1.40 min Scan# 88

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 54109

Ion Ratio Lower Upper

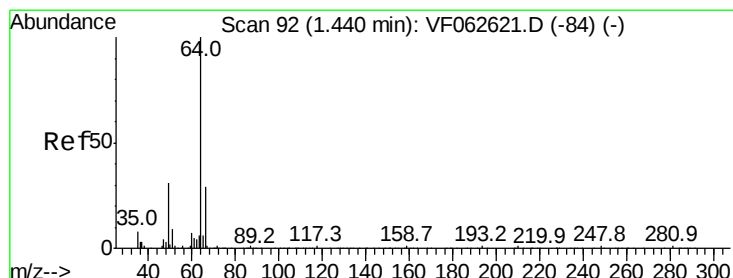
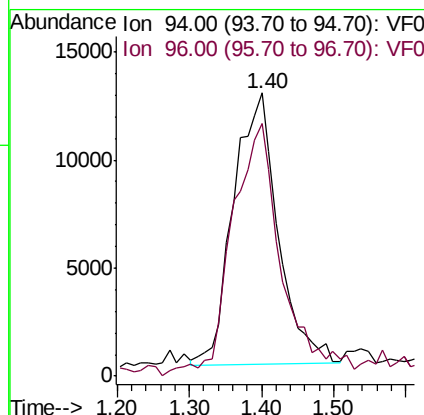
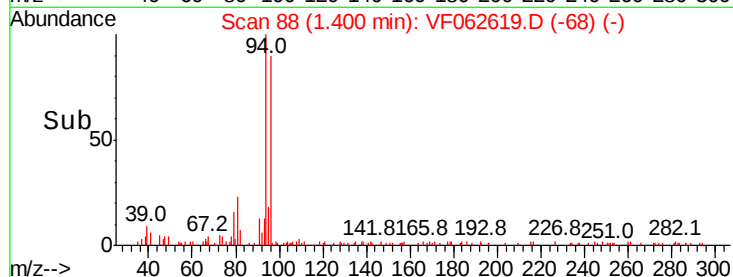
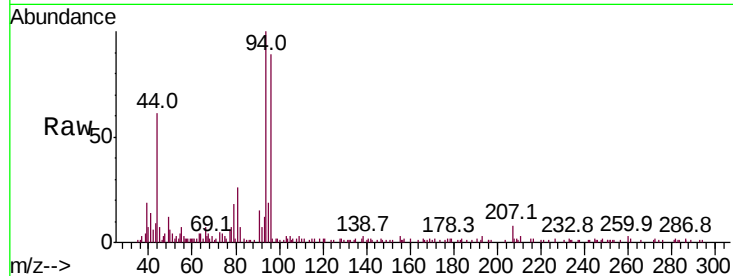
94 100

96 89.4 73.2 109.8

Manual Integrations
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#6

Chloroethane

Concen: 12.412 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062619.D

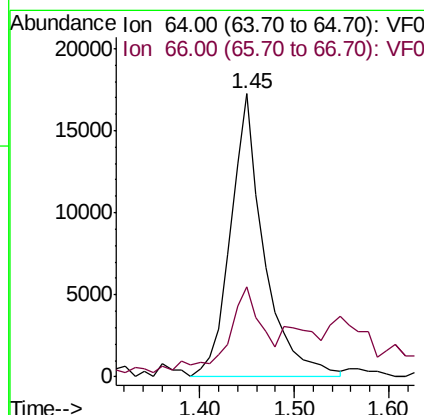
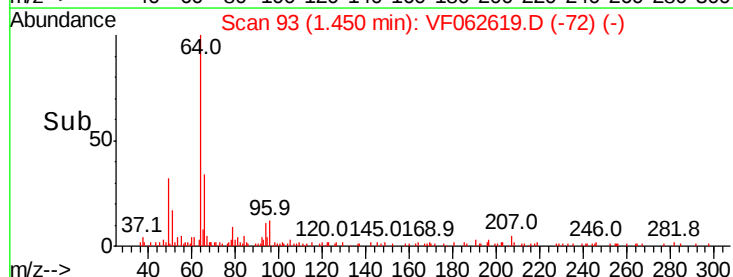
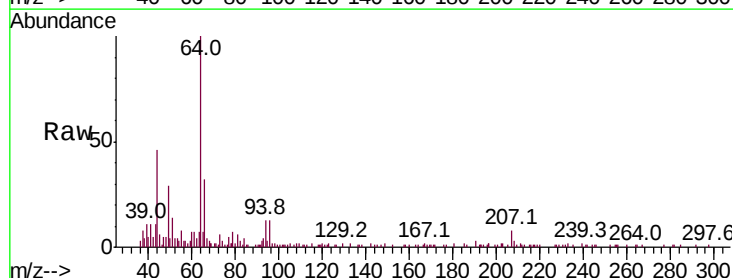
Acq: 16 May 2019 11:04

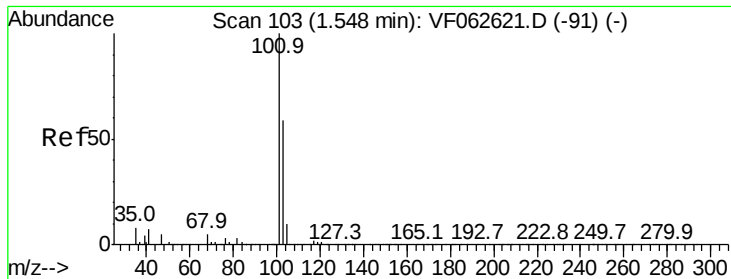
Tgt Ion: 64 Resp: 42336

Ion Ratio Lower Upper

64 100

66 31.8 23.4 35.2





#7

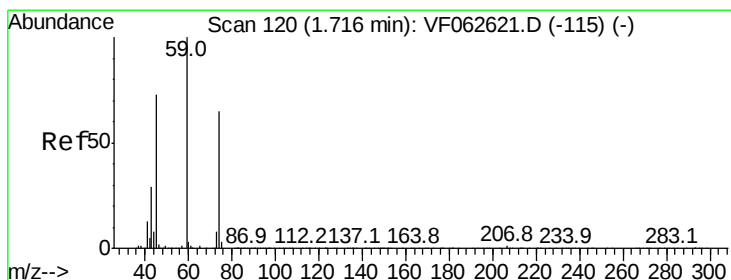
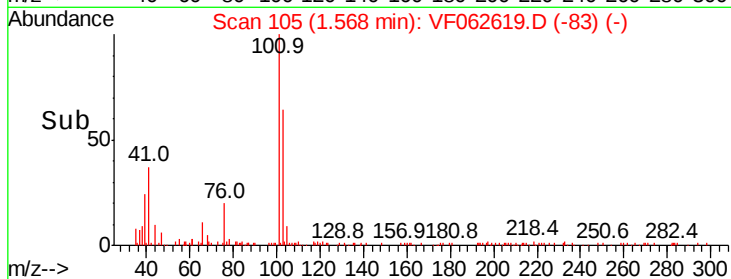
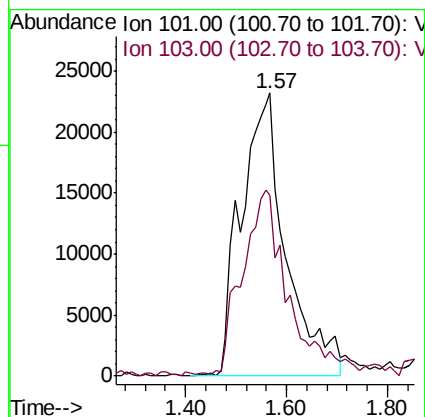
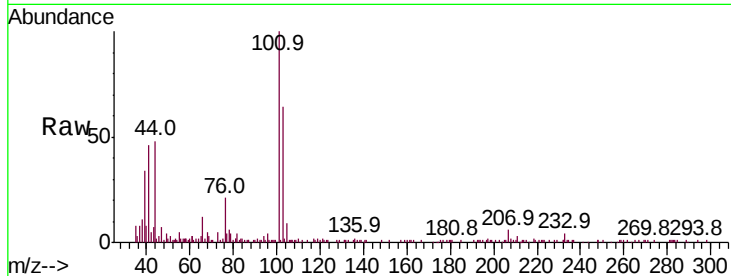
Trichlorofluoromethane
Concen: 12.240 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.9	47.3	70.9

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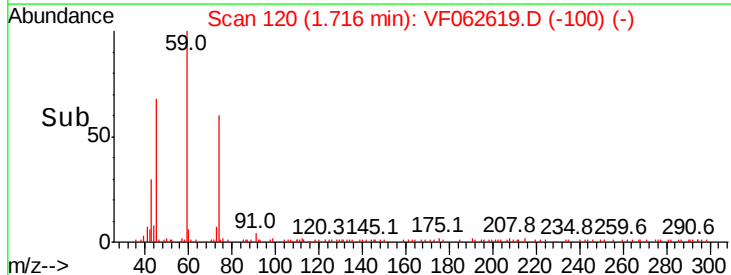
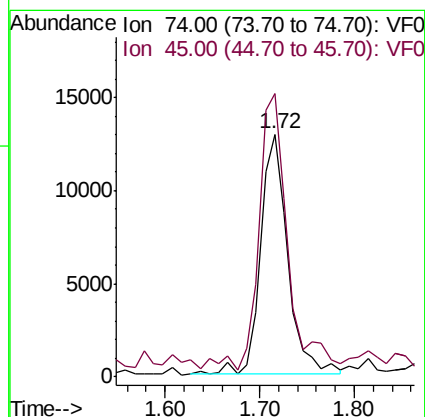
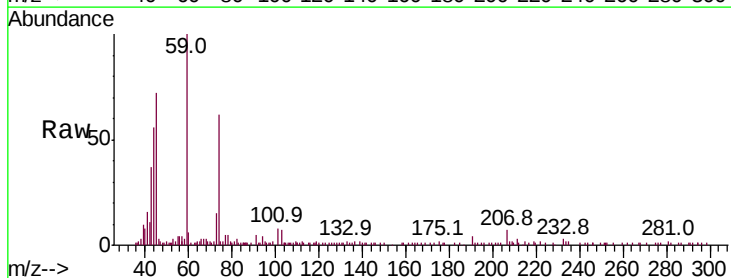
MMDadoda
5/17/2019 4:20:00 PM

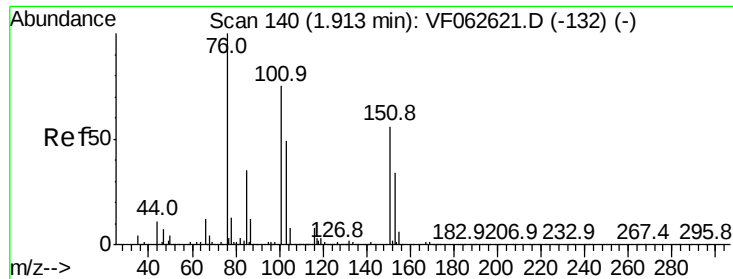


#8

Diethyl Ether
Concen: 10.309 ug/l
RT: 1.72 min Scan# 120
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.8	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.858 ug/l

RT: 1.91 min Scan# 140

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

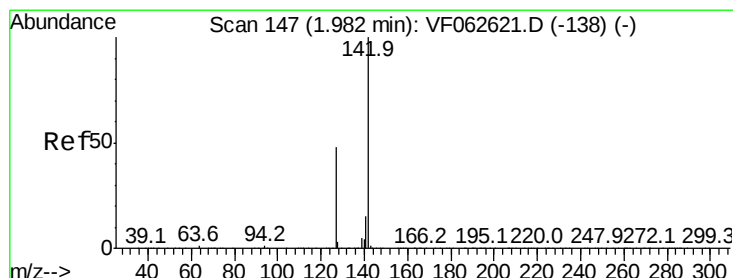
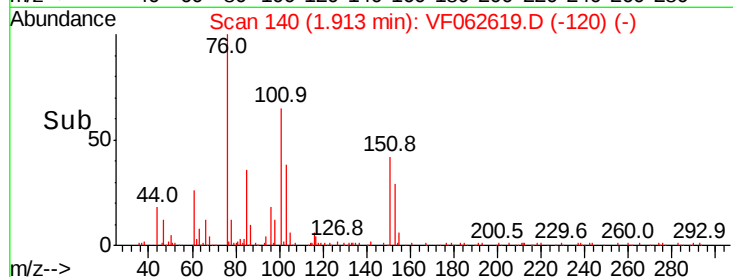
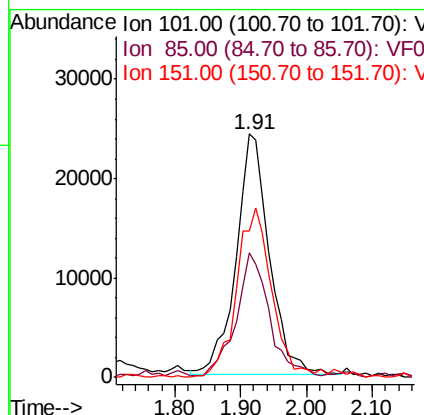
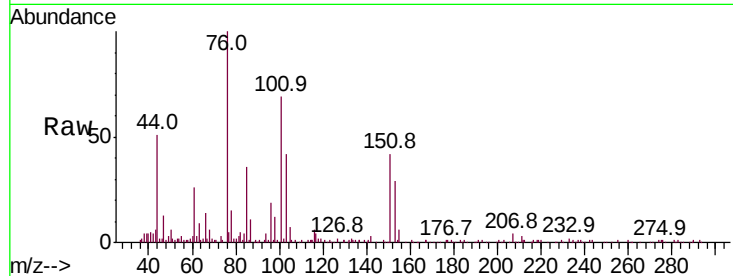
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	86216
Ion Ratio	Lower	Upper	
101	100		
85	51.4	37.1	55.7
151	60.0	58.8	88.2

Manual Integrations
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5/17/2019 4:20:00 PM



#10

Methyl Iodide

Concen: 11.114 ug/l

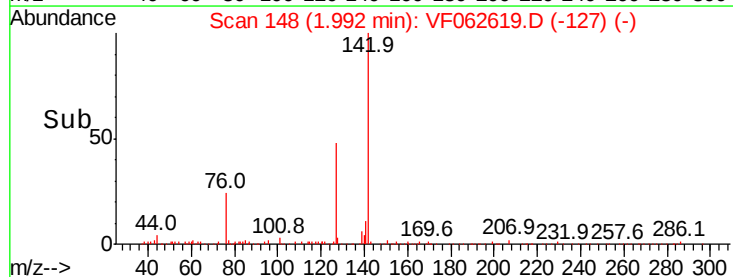
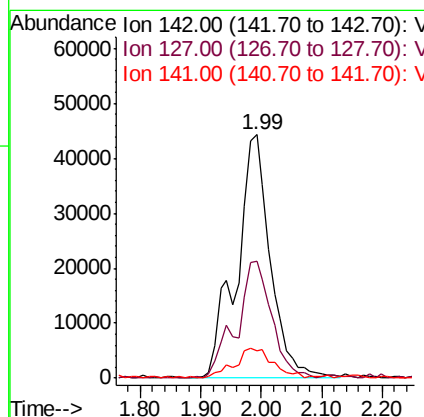
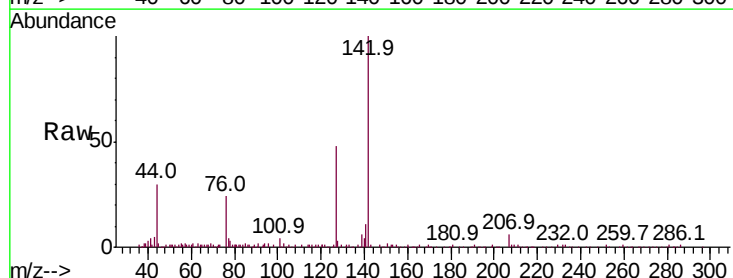
RT: 1.99 min Scan# 148

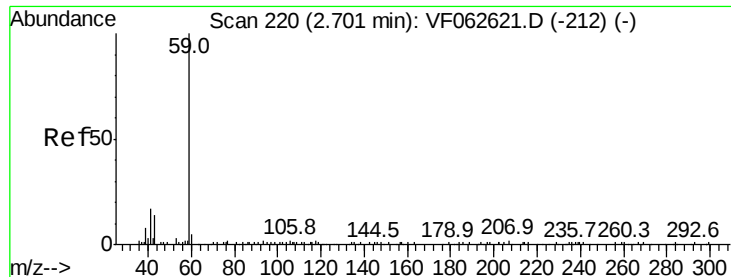
Delta R.T. 0.01 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	142	Resp:	173359
Ion Ratio	Lower	Upper	
142	100		
127	48.0	38.1	57.1
141	11.5	11.7	17.5#





#11

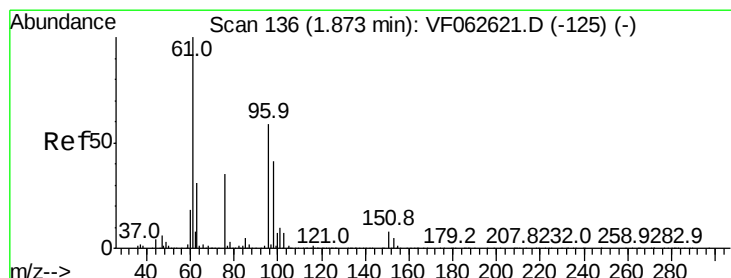
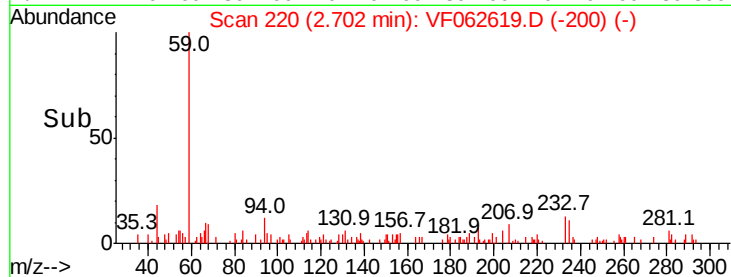
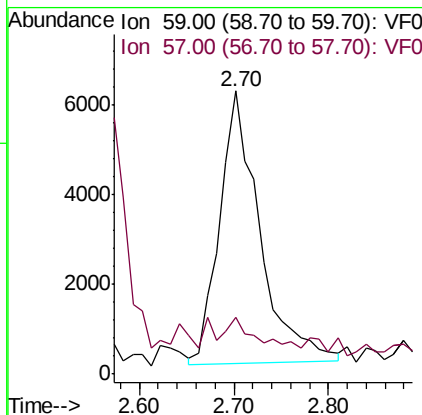
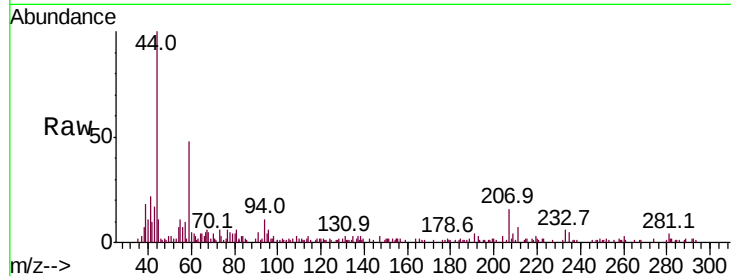
Tert butyl alcohol
Concen: 47.239 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	20.0	9.3	13.9#

Manual Integrations
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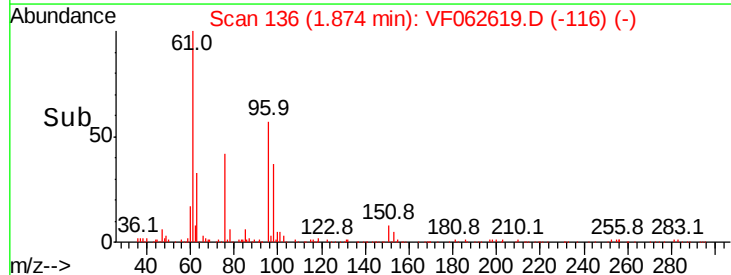
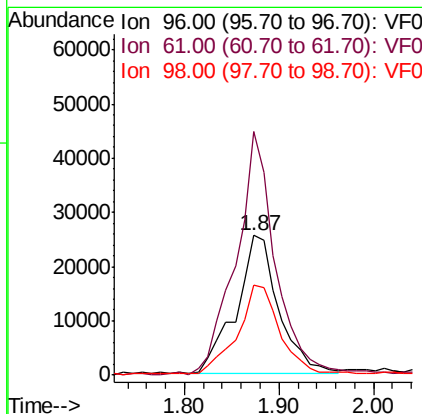
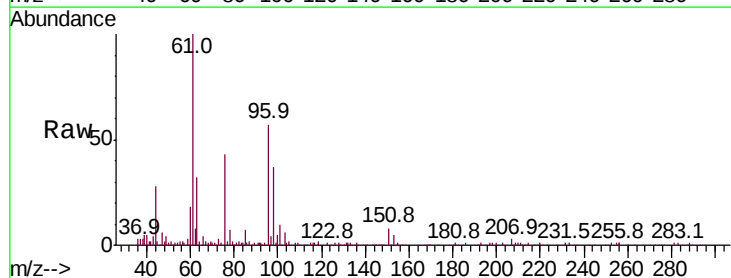
MMDadoda
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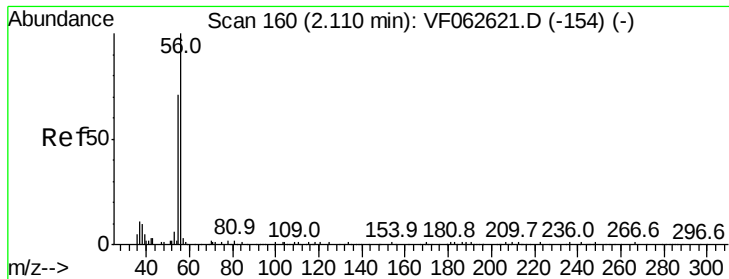


#12

1,1-Dichloroethene
Concen: 11.057 ug/l
RT: 1.87 min Scan# 136
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.1	134.3	201.5
98	64.5	55.0	82.6





#13

Acrolein

Concen: 59.650 ug/l

RT: 2.10 min Scan# 159

Delta R.T. -0.01 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 23390

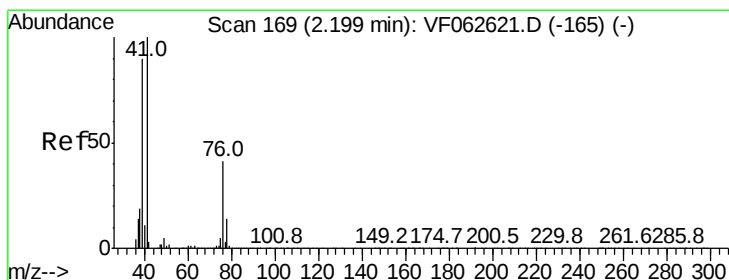
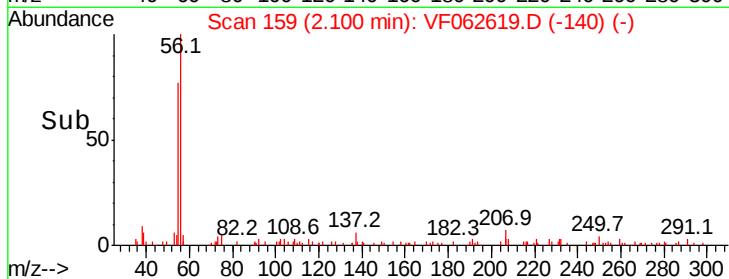
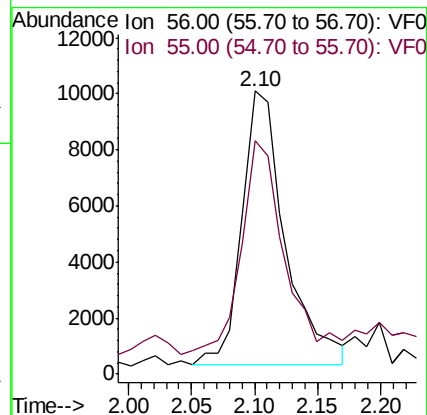
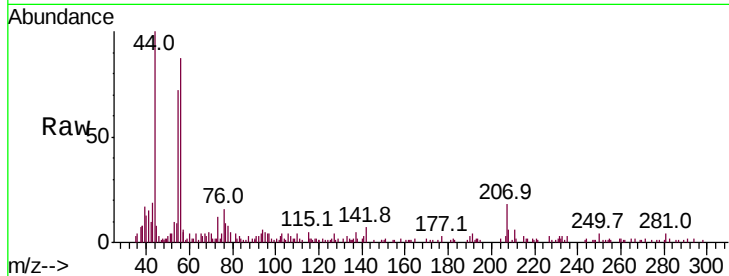
Ion Ratio Lower Upper

56 100

55 82.6 59.4 89.0

Manual Integrations
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#14

Allyl chloride

Concen: 11.998 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

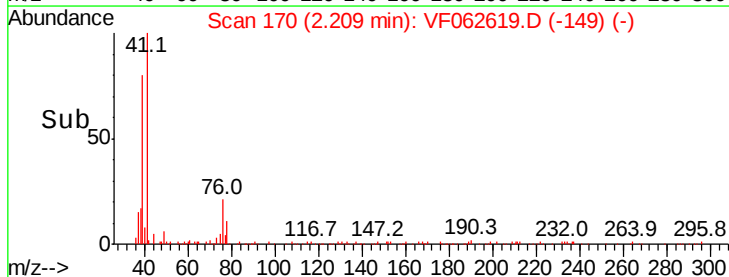
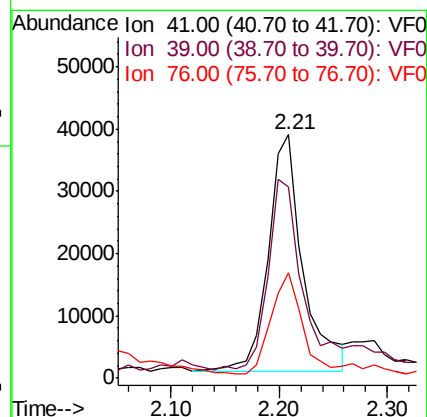
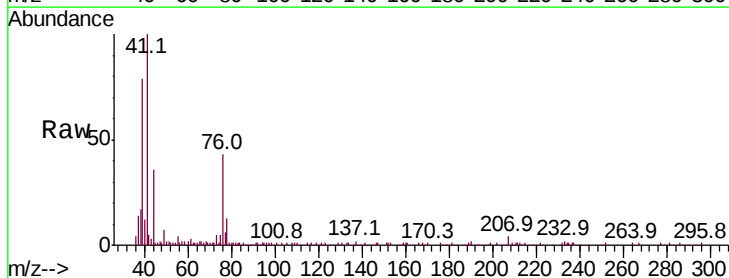
Tgt Ion: 41 Resp: 85269

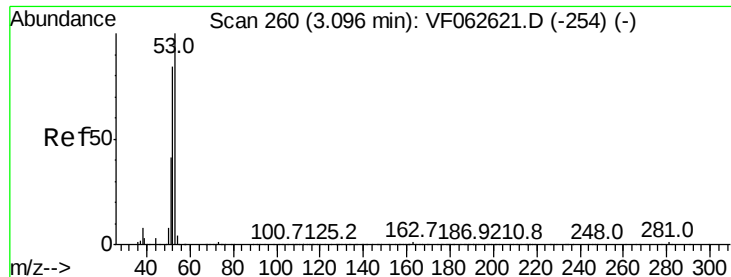
Ion Ratio Lower Upper

41 100

39 78.6 72.0 108.0

76 43.3 34.8 52.2





#15

Acrylonitrile

Concen: 70.827 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

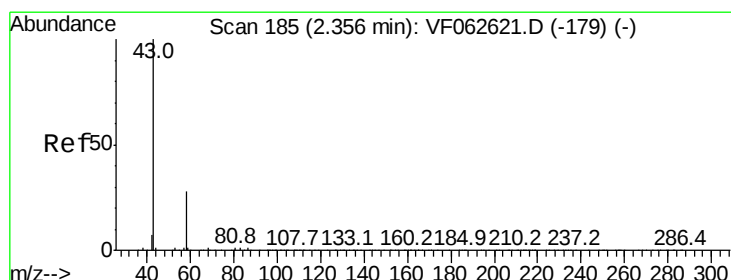
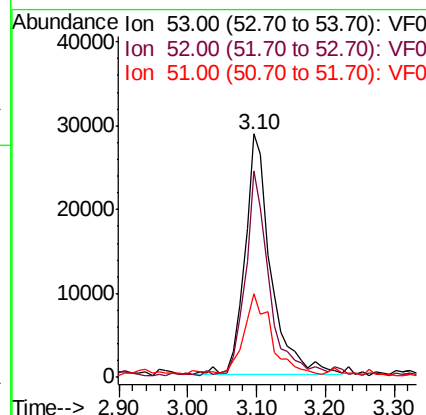
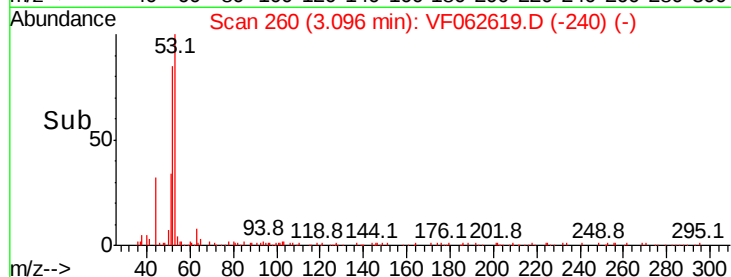
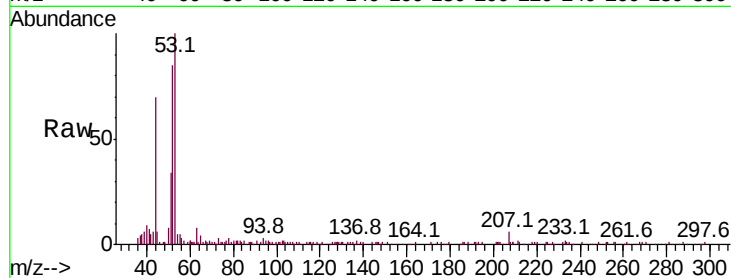
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	75051
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.3	100.9
51	34.1	33.0	49.6

Manual Integrations
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#16

Acetone

Concen: 42.678 ug/l

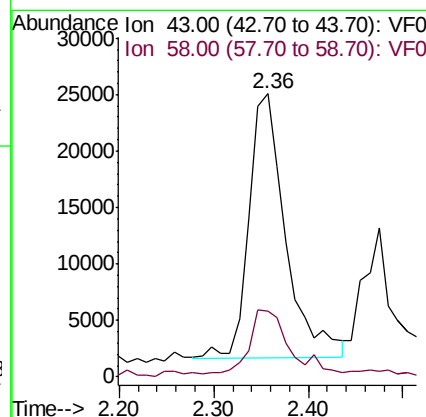
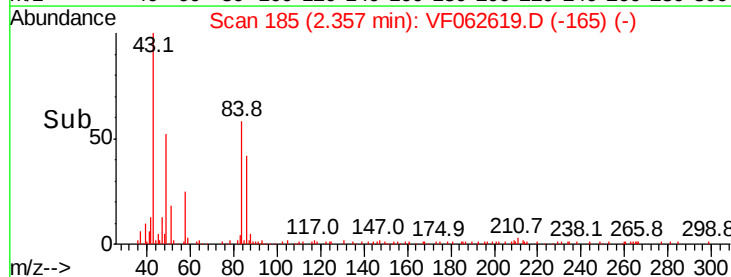
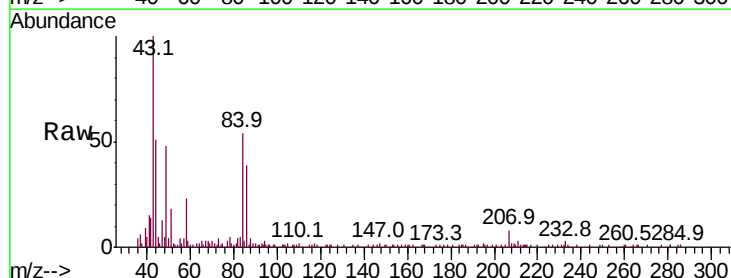
RT: 2.36 min Scan# 185

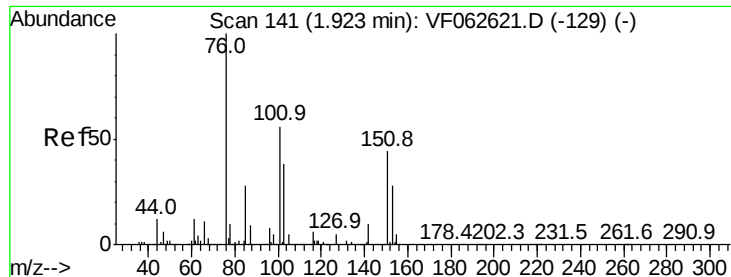
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	43	Resp:	62998
Ion	Ratio	Lower	Upper
43	100		
58	23.0	22.6	33.8





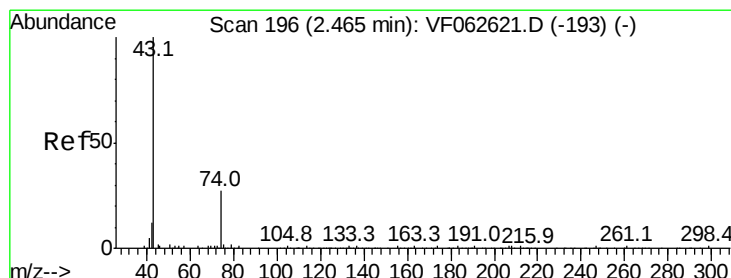
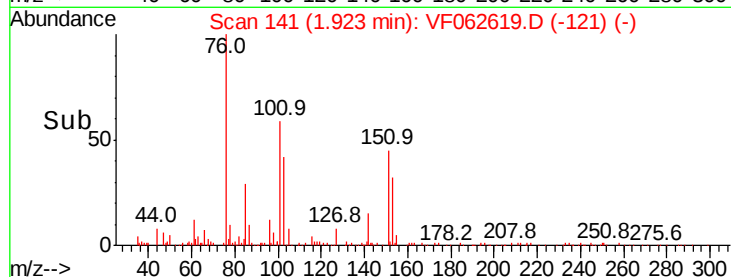
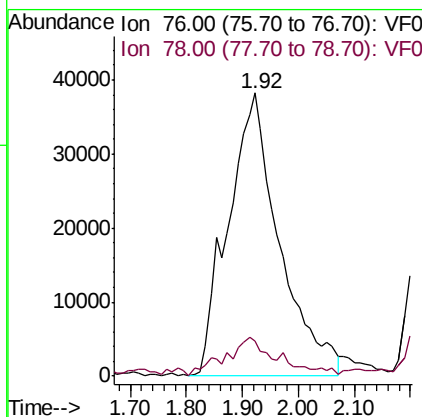
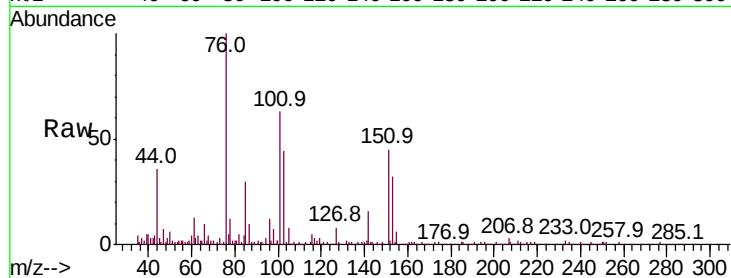
#17
Carbon Disulfide
Concen: 11.805 ug/l
RT: 1.92 min Scan# 141
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.3	8.4	12.6

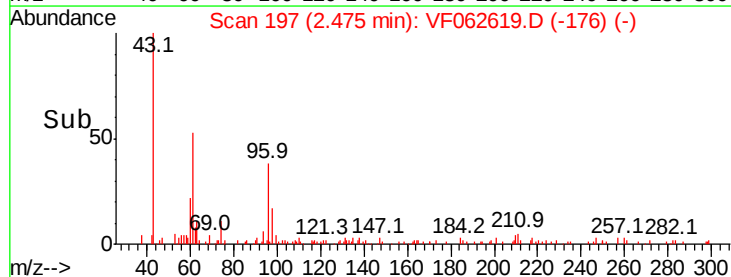
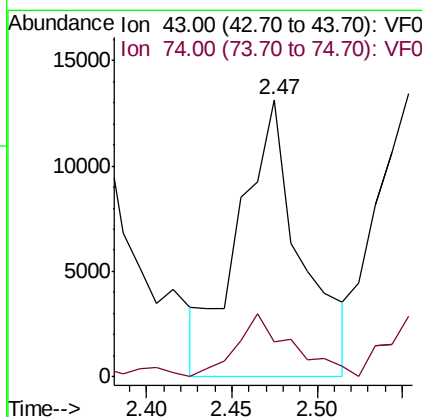
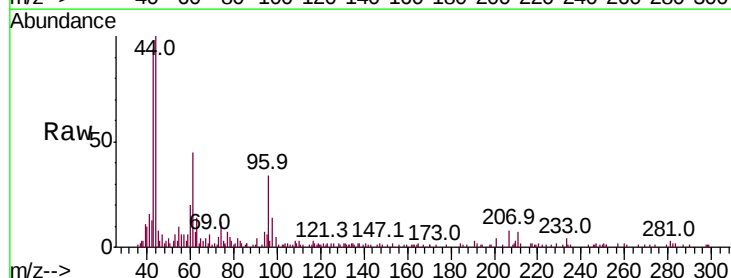
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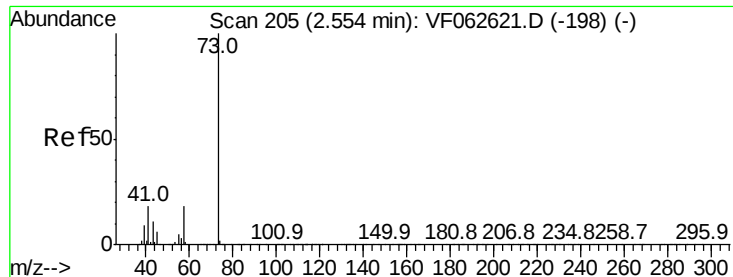
MMDadoda
5/17/2019 4:20:00 PM



#18
Methyl Acetate
Concen: 13.205 ug/l m
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.6	18.9	28.3#





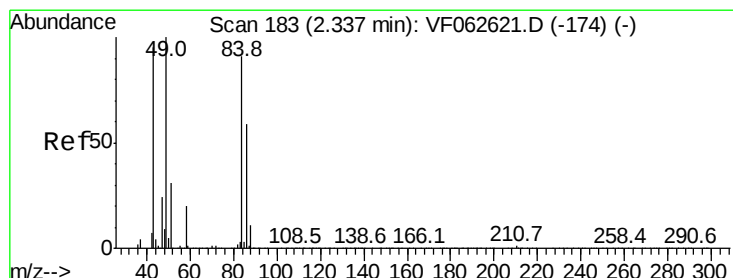
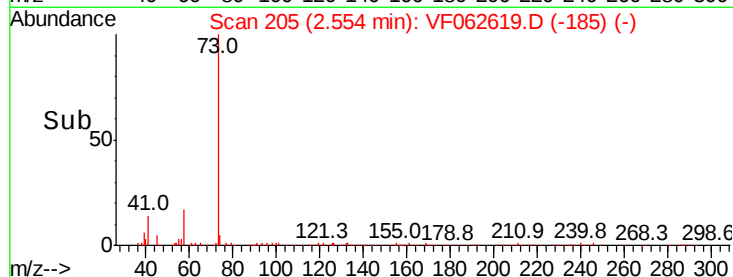
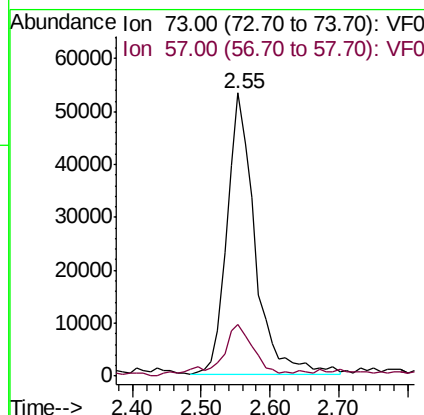
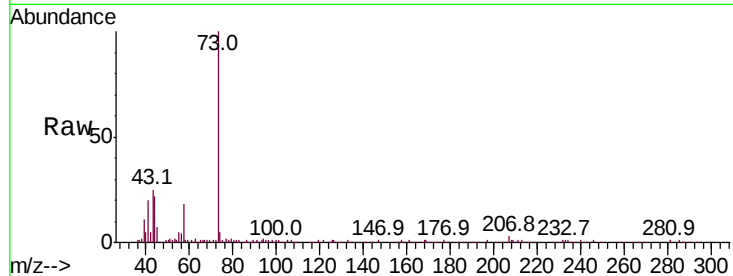
#19
Methyl tert-butyl Ether
Concen: 11.499 ug/l
RT: 2.55 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	14.2	21.4

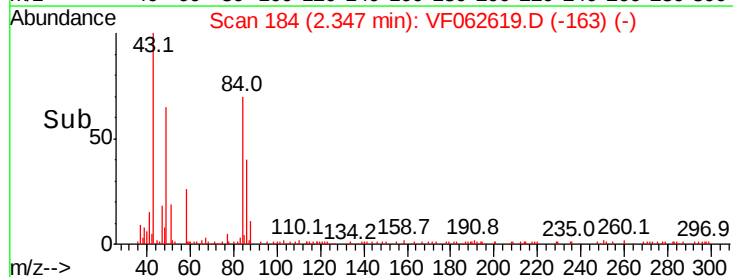
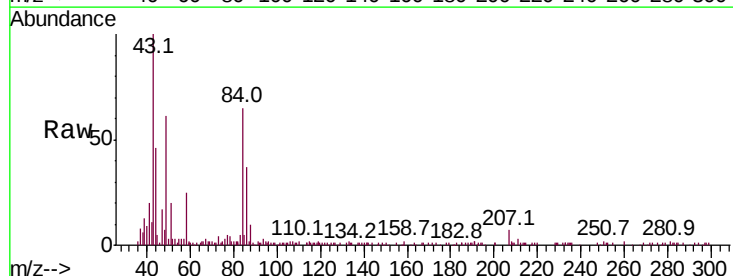
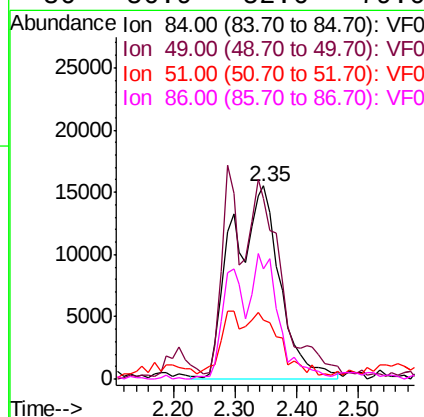
Manual Integrations
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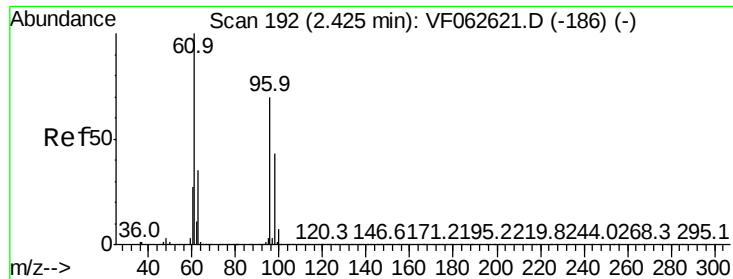
MMDadoda
5/17/2019 4:20:00 PM



#20
Methylene Chloride
Concen: 11.340 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
84	100		
49	93.4	89.8	134.8
51	30.6	28.4	42.6
86	56.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 11.368 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

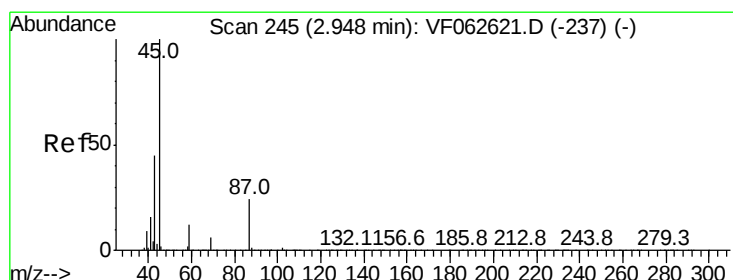
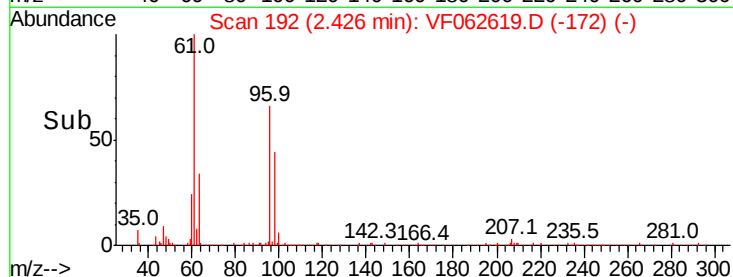
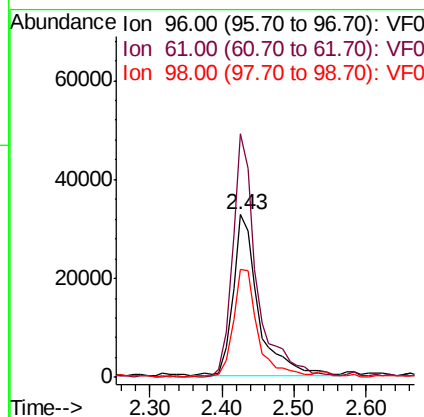
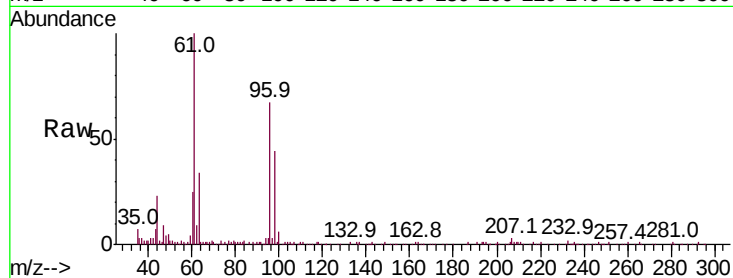
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	80367
Ion	Ratio	Lower	Upper
96	100		
61	149.5	114.6	171.8
98	66.2	49.5	74.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 11.052 ug/l

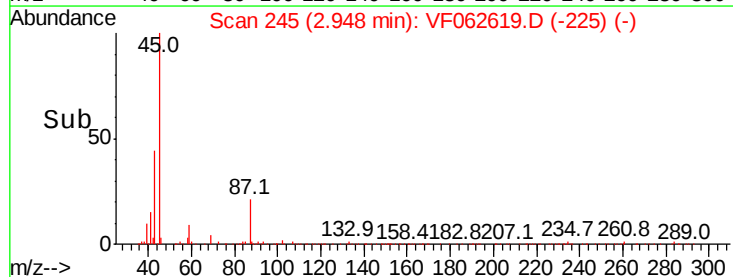
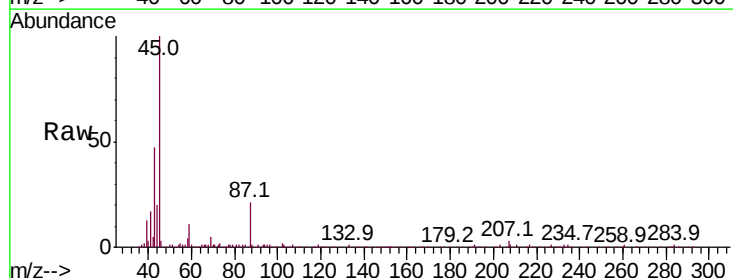
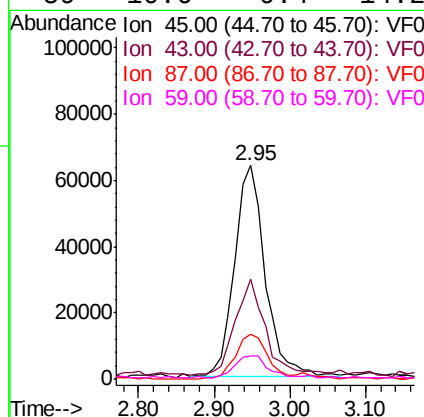
RT: 2.95 min Scan# 245

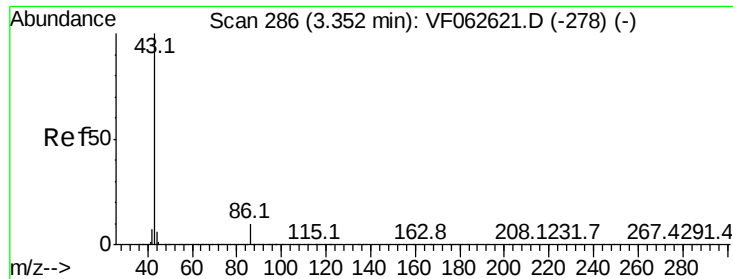
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	45	Resp:	178447
Ion	Ratio	Lower	Upper
45	100		
43	46.8	36.4	54.6
87	21.0	19.3	28.9
59	10.6	9.4	14.2





#23

Vinyl Acetate

Concen: 52.939 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 576597

Ion Ratio Lower Upper

43 100

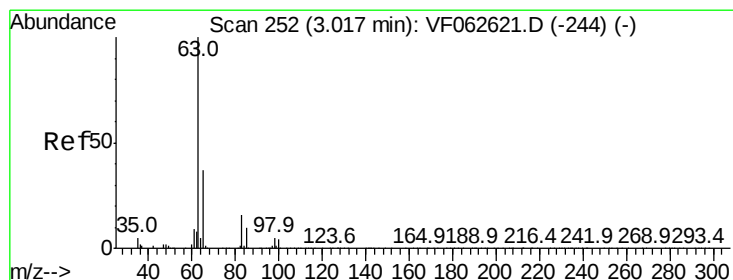
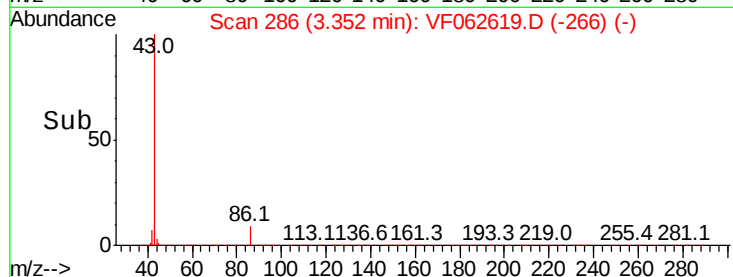
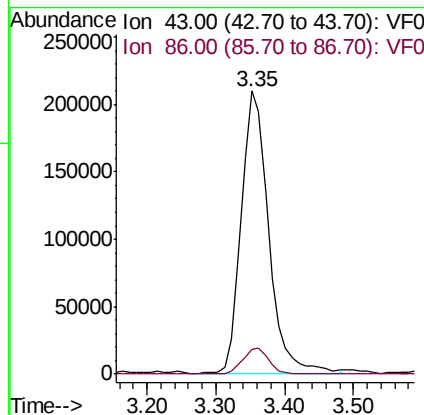
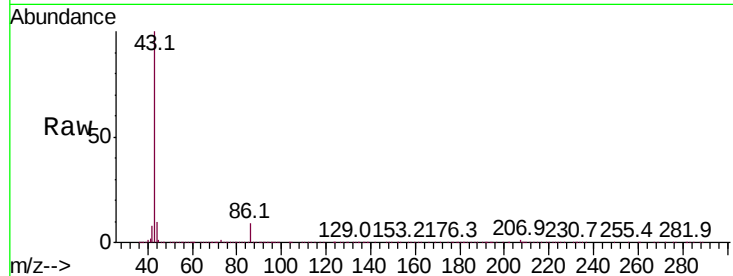
86 8.7 8.2 12.2

Manual Integrations

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5/17/2019 4:20:00 PM



#24

1,1-Dichloroethane

Concen: 11.932 ug/l

RT: 3.02 min Scan# 252

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

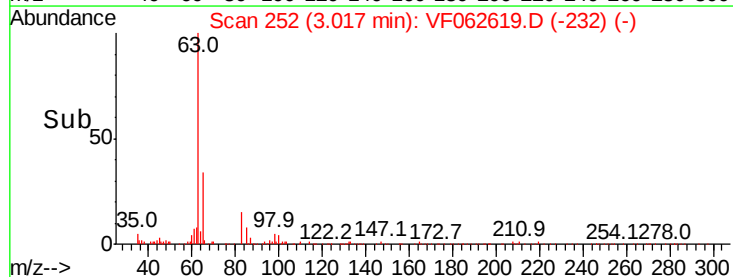
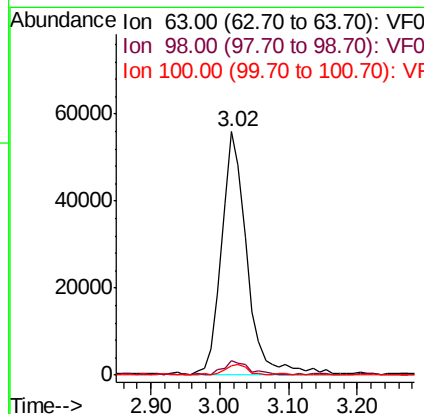
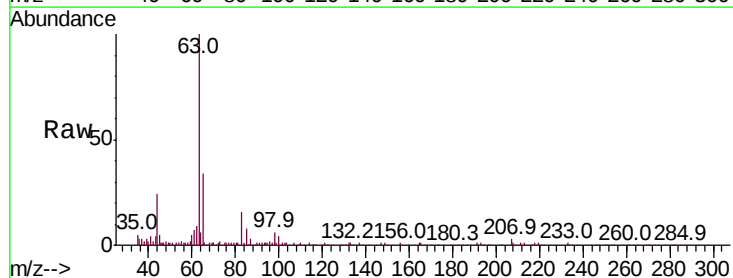
Tgt Ion: 63 Resp: 141330

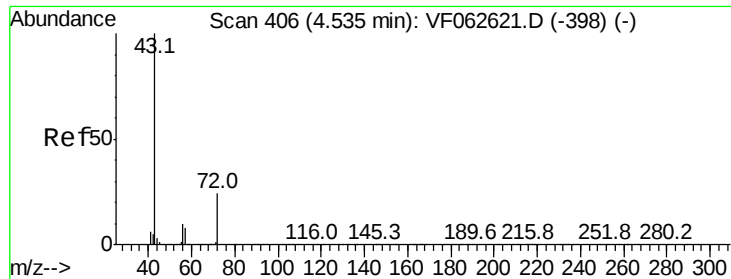
Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.3

100 3.8 1.9 5.7





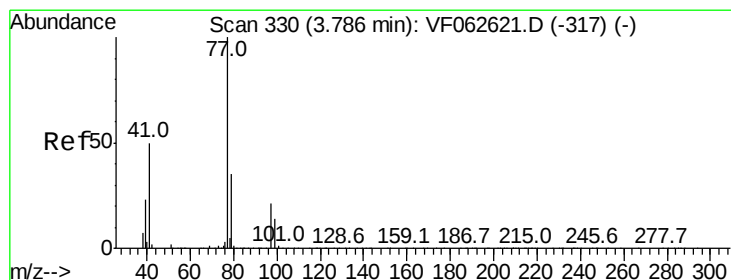
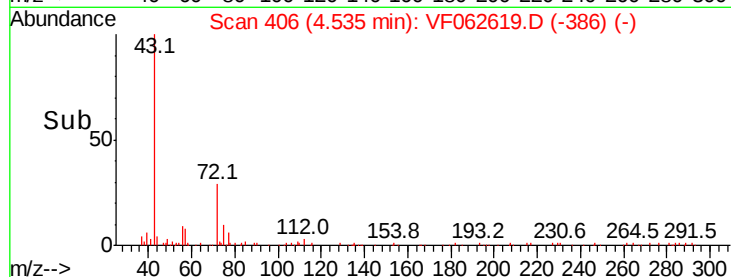
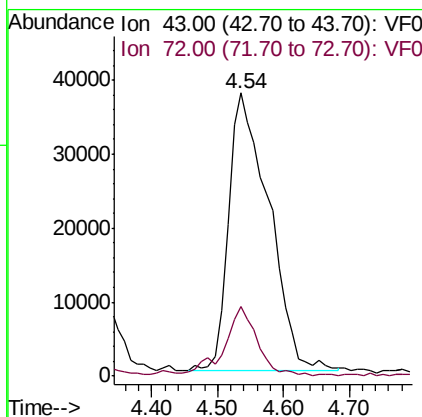
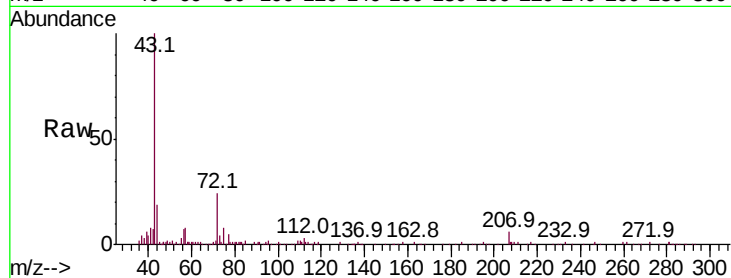
#25
2-Butanone
Concen: 50.959 ug/l
RT: 4.54 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 160709
Ion Ratio Lower Upper
43 100
72 24.5 20.1 30.1

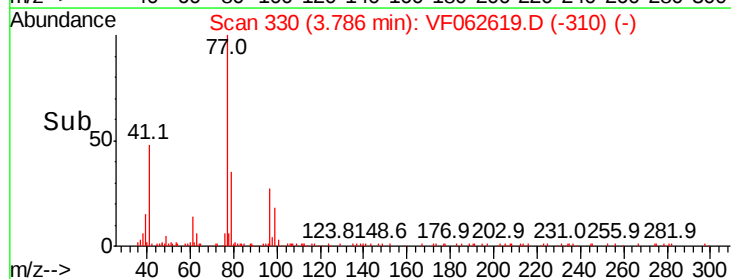
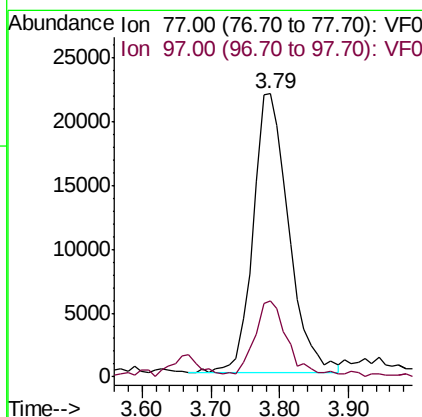
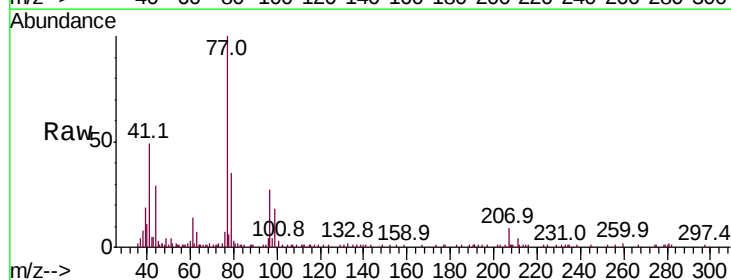
Manual Integrations
APPROVED

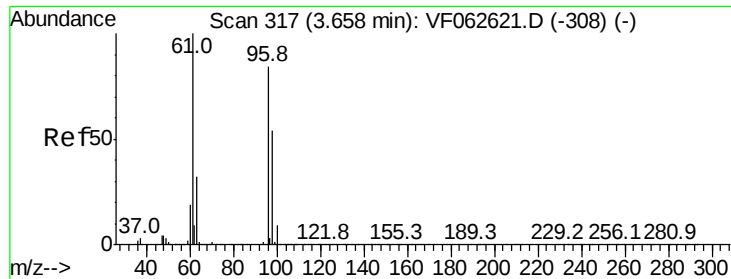
MMDadoda
5/17/2019 4:20:00 PM



#26
2,2-Dichloropropane
Concen: 11.555 ug/l
RT: 3.79 min Scan# 330
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion: 77 Resp: 78308
Ion Ratio Lower Upper
77 100
97 26.7 14.1 42.4





#27

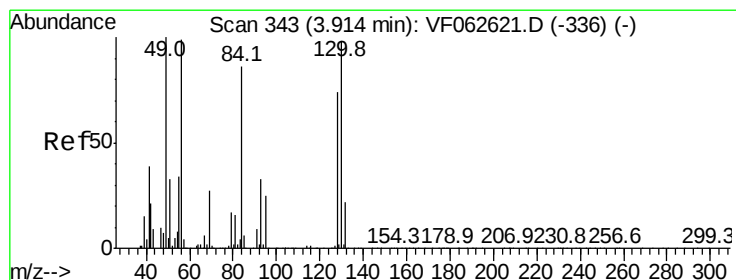
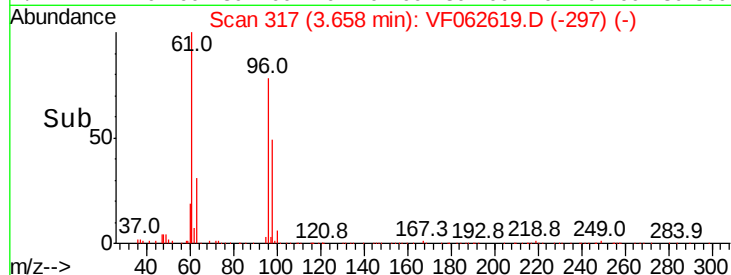
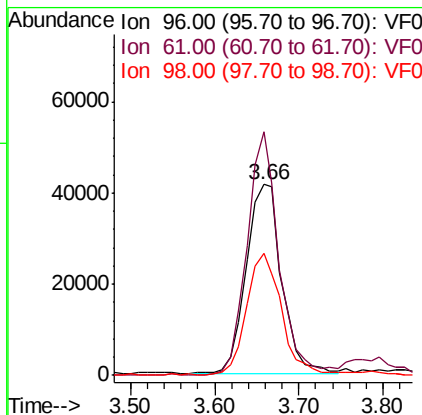
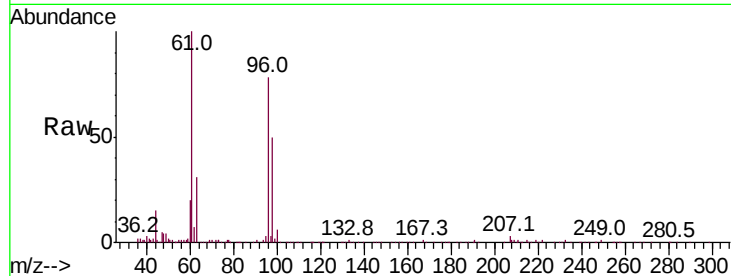
cis-1,2-Dichloroethene
Concen: 10.502 ug/l
RT: 3.66 min Scan# 317
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	122127		
61	127.6	0.0	237.4	
98	63.6	0.0	129.0	

Manual Integrations
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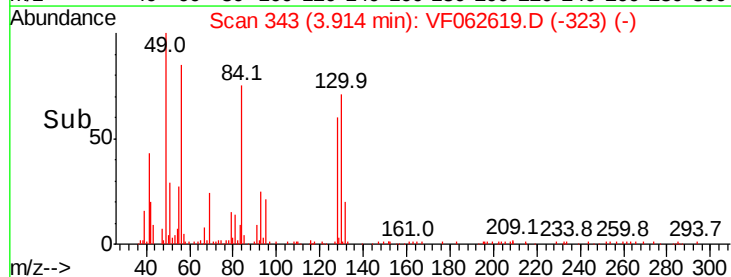
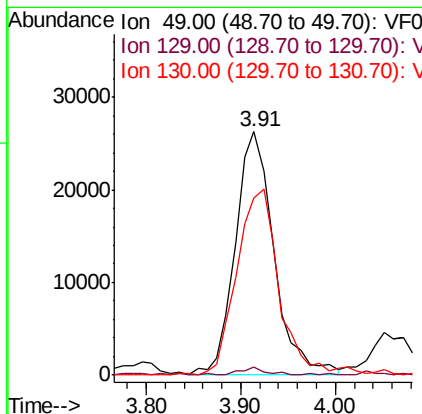
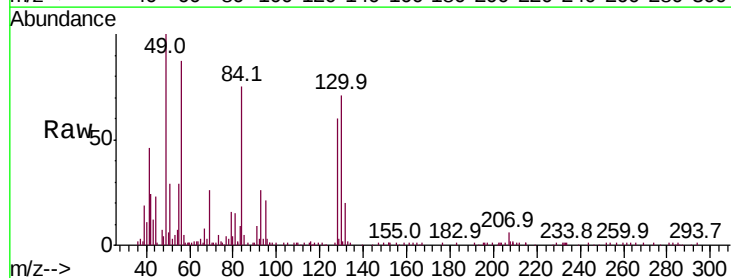
MMDadoda
5/17/2019 4:20:00 PM

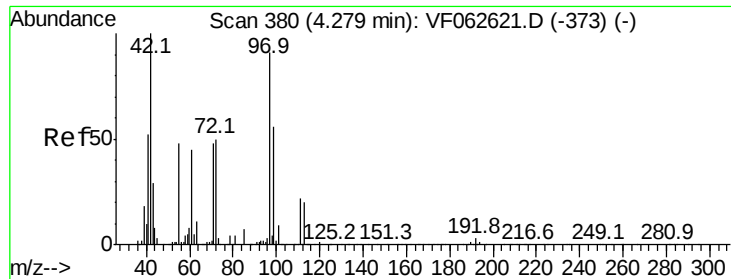


#28

Bromochloromethane
Concen: 11.293 ug/l
RT: 3.91 min Scan# 343
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	75021		
129	3.3	0.0	4.0	
130	72.7	77.8	116.8#	





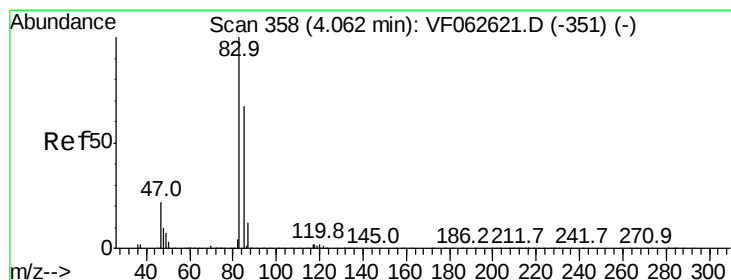
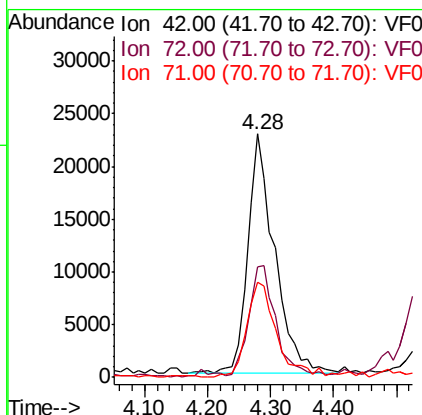
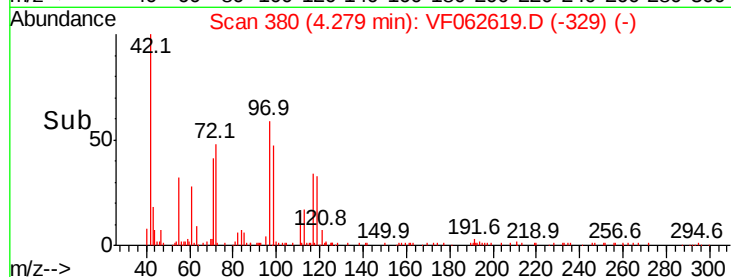
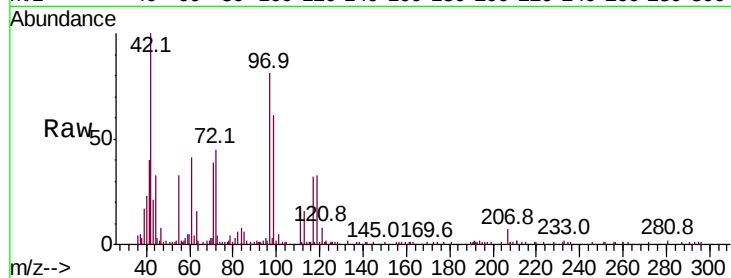
#29
Tetrahydrofuran
Concen: 52.311 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.6	38.2	57.2
71	45.1	35.8	53.6

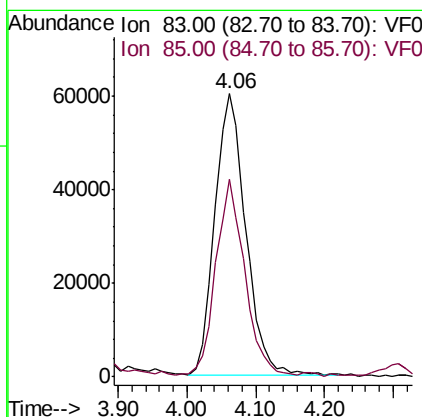
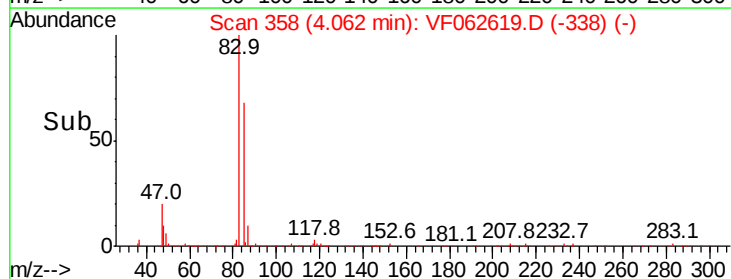
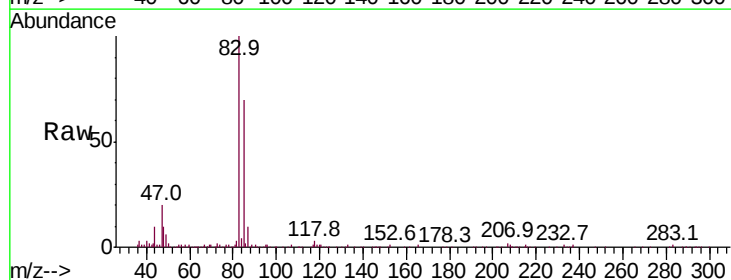
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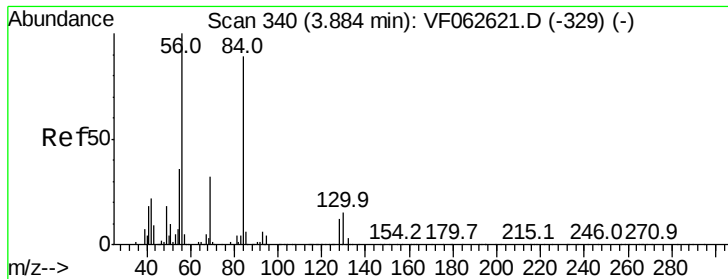
MMDadoda
5/17/2019 4:20:00 PM



#30
Chloroform
Concen: 11.308 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.8	53.6	80.4





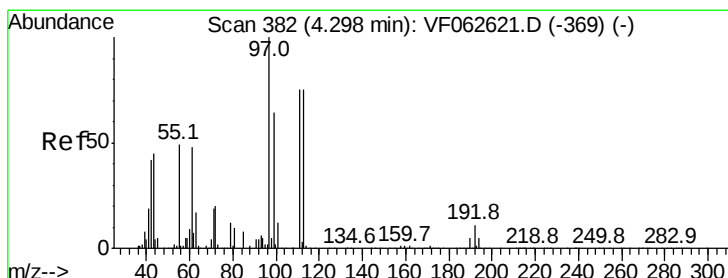
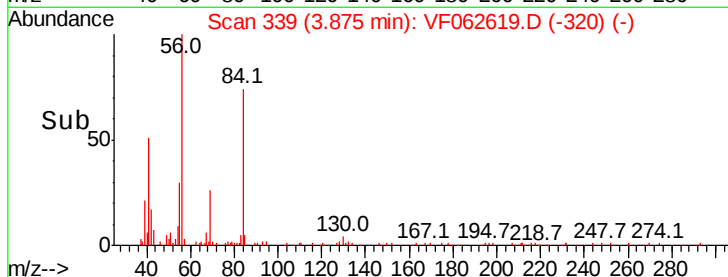
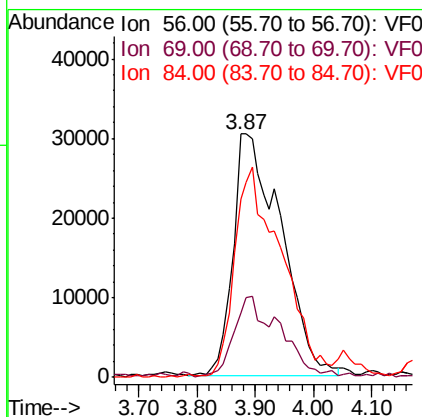
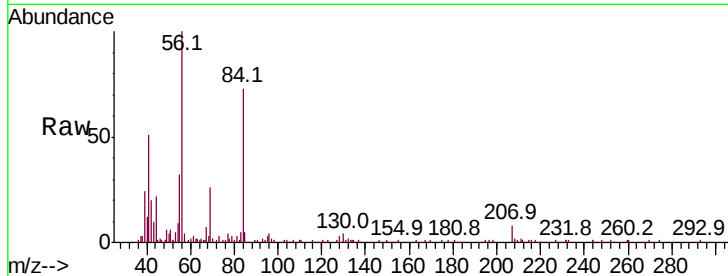
#31
Cyclohexane
Concen: 11.732 ug/l
RT: 3.87 min Scan# 339
Delta R.T. -0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.4	25.3	37.9
84	73.1	71.0	106.4

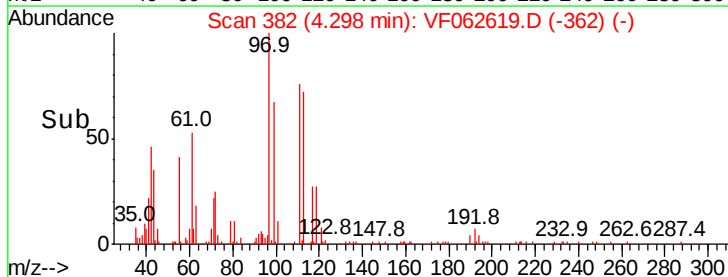
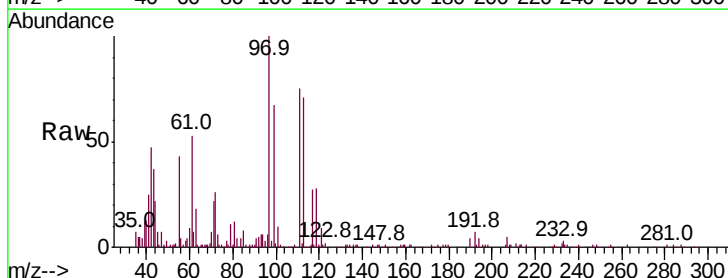
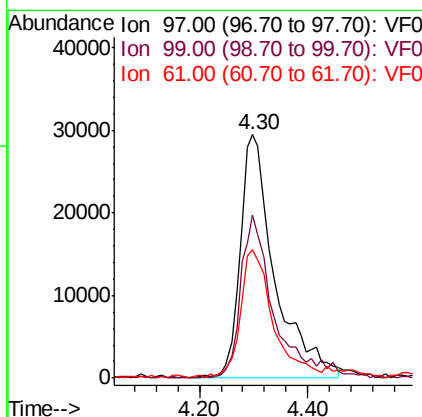
Manual Integrations
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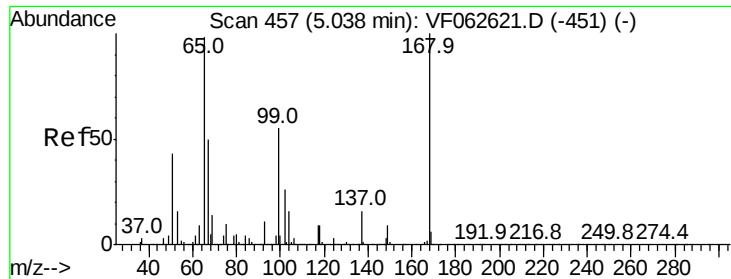
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#32
1,1,1-Trichloroethane
Concen: 12.035 ug/l
RT: 4.30 min Scan# 382
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.1	51.3	76.9
61	52.9	38.2	57.2





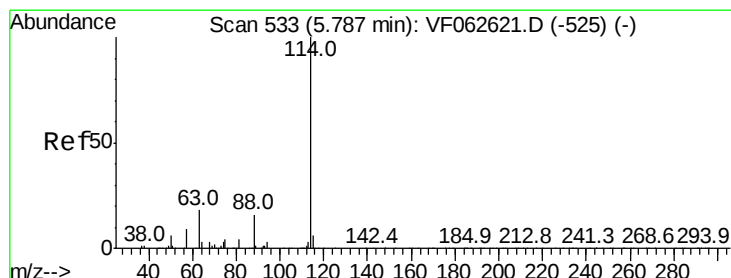
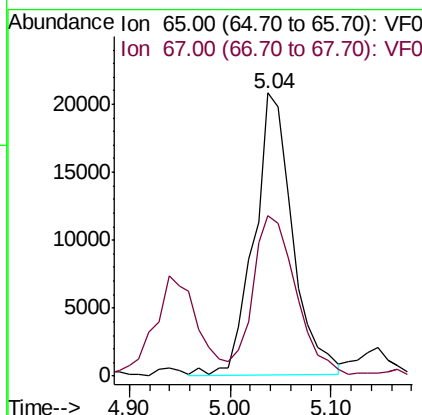
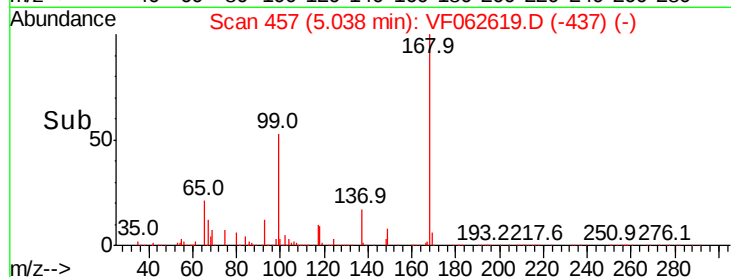
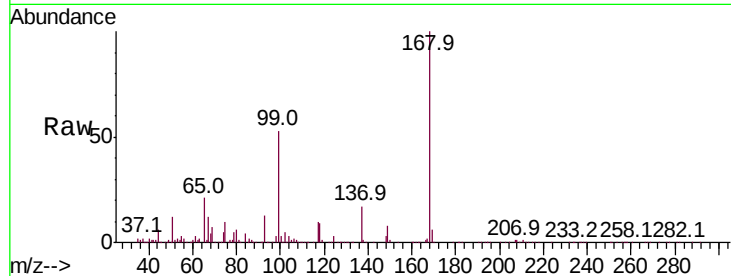
#33
 1,2-Dichloroethane-d4
 Concen: 9.664 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.6	0.0	117.6

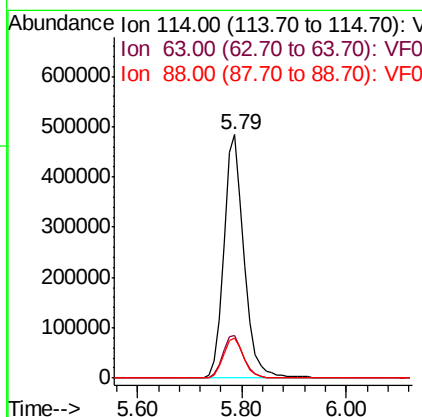
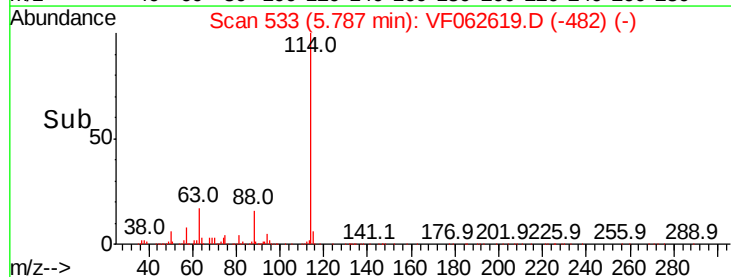
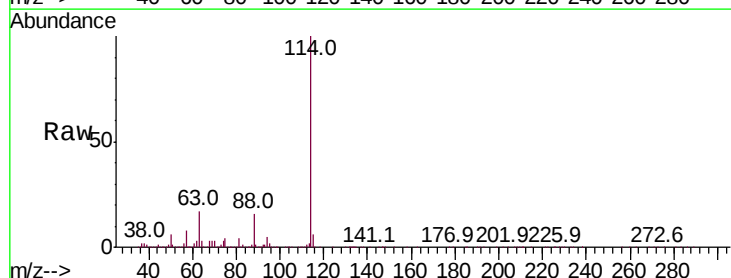
Manual Integrations
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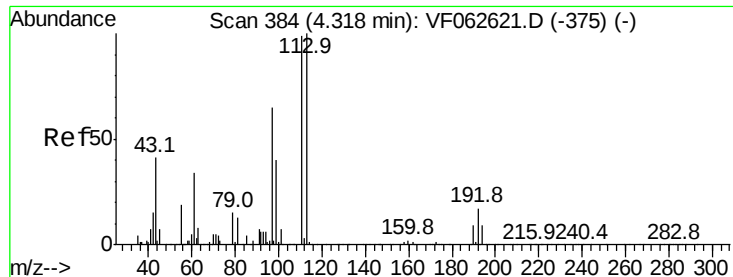
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.3	0.0	35.4
88	16.2	0.0	32.4





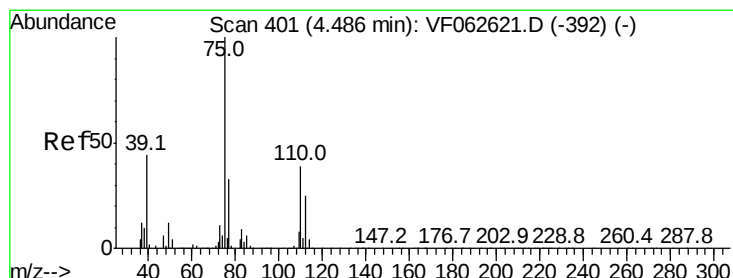
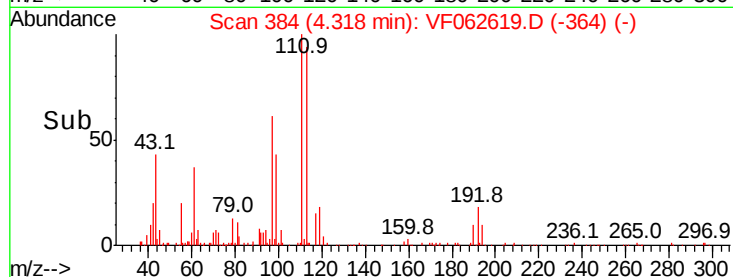
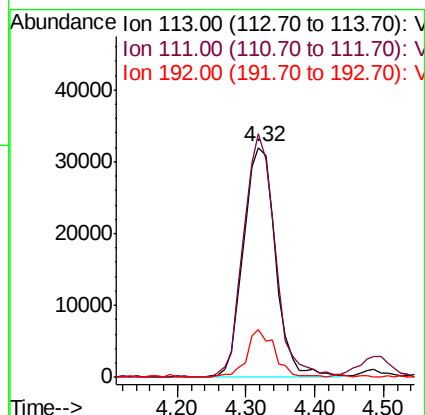
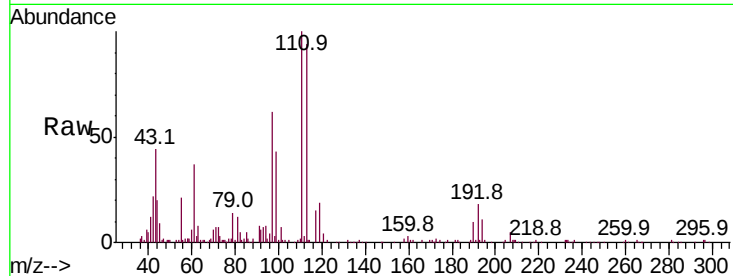
#35
 Dibromofluoromethane
 Concen: 10.592 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	104565		
111	105.1	79.4	119.2	
192	20.9	13.4	20.2#	

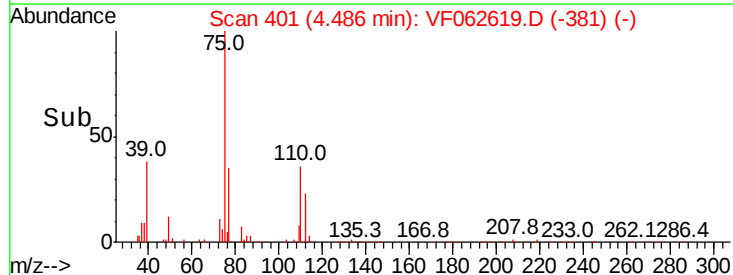
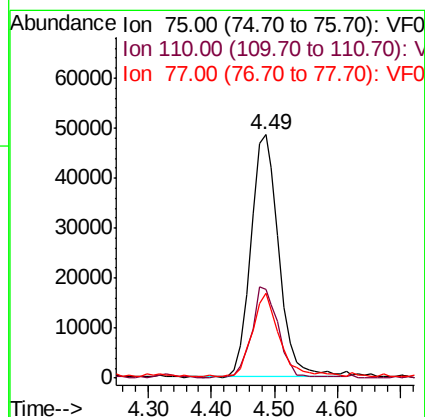
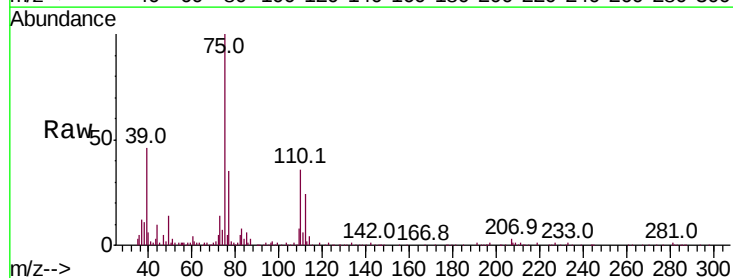
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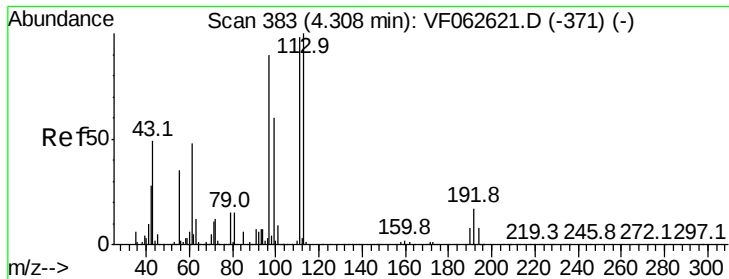
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#36
 1,1-Dichloropropene
 Concen: 11.357 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150136		
110	36.4	19.7	59.1	
77	35.1	26.3	39.5	





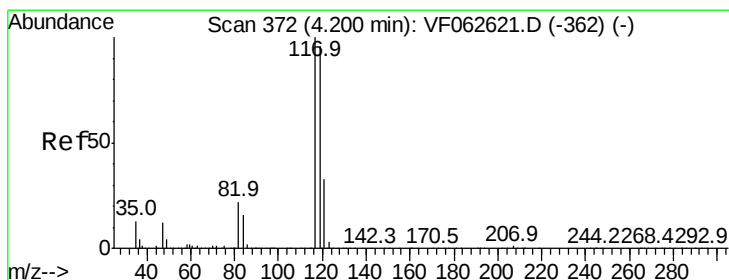
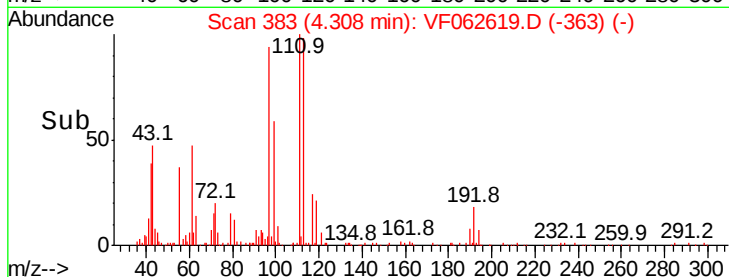
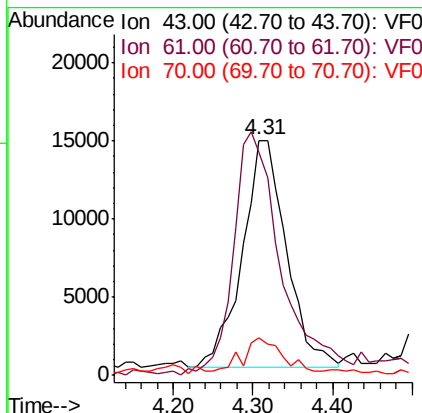
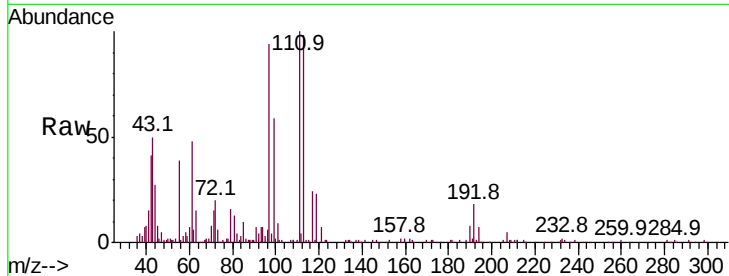
#37
Ethyl Acetate
Concen: 10.332 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	95.2	76.9	115.3
70	15.8	8.8	13.2#

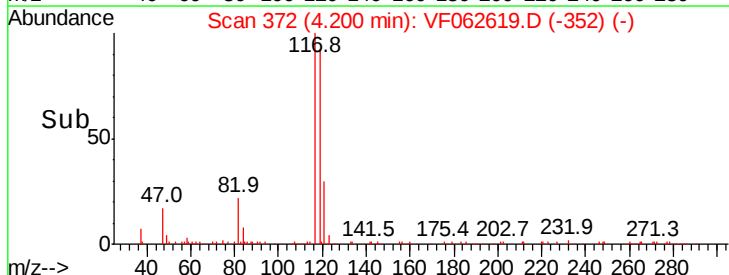
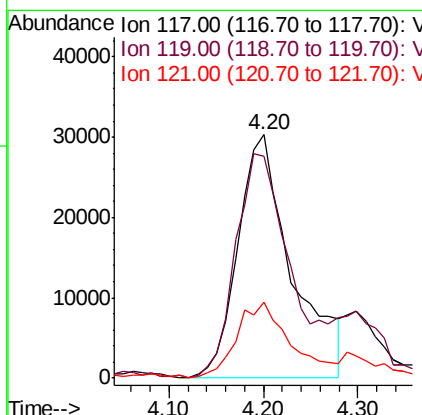
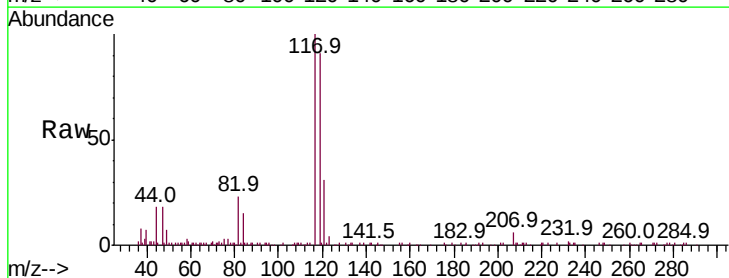
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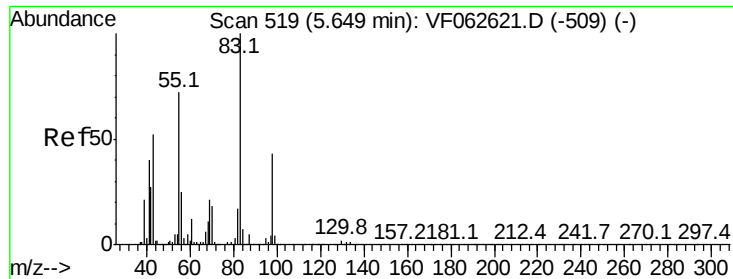
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#38
Carbon Tetrachloride
Concen: 12.936 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.3	76.7	115.1
121	31.1	26.6	40.0





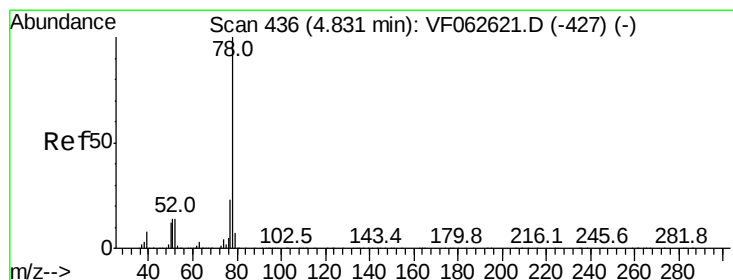
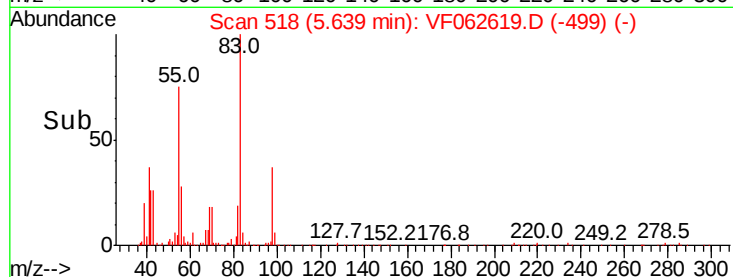
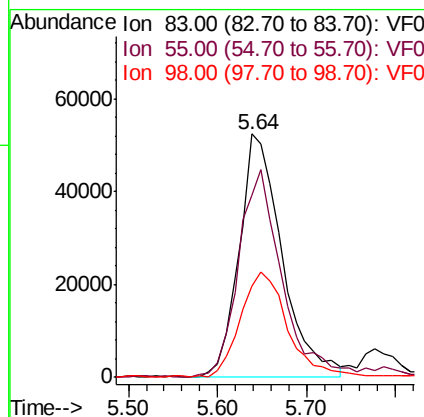
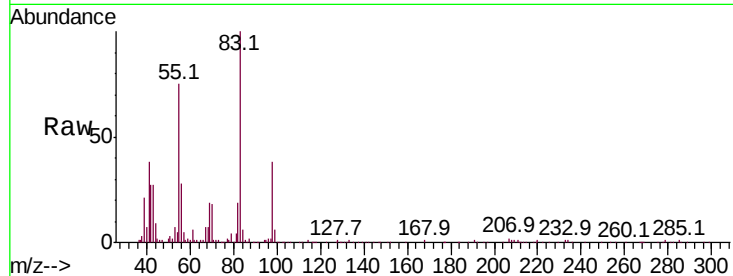
#39
Methvlcvclohexane
Concen: 10.935 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	173929		
55	74.7		57.9	86.9
98	37.6		34.6	52.0

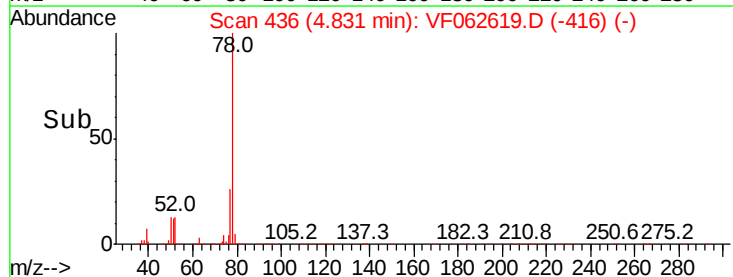
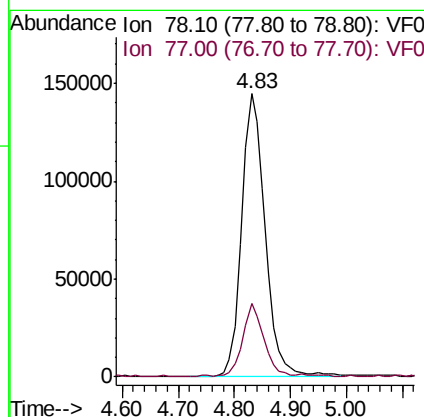
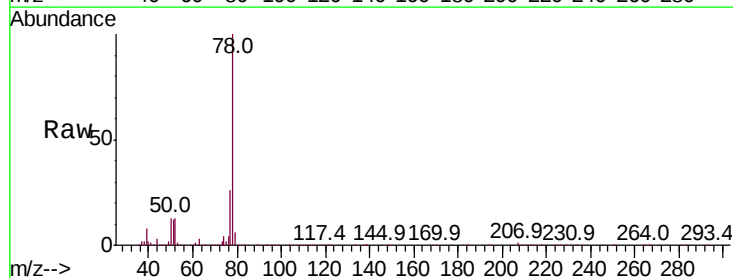
Manual Integrations
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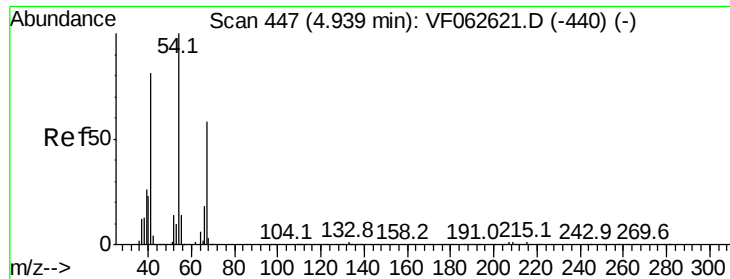
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#40
Benzene
Concen: 11.647 ug/l
RT: 4.83 min Scan# 436
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	419444		
77	25.9		18.2	27.2





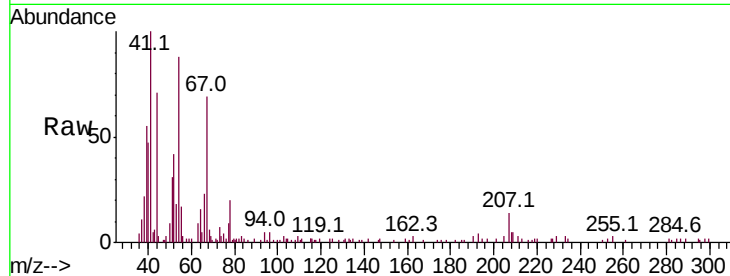
#41
Methacrylonitrile
Concen: 10.522 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

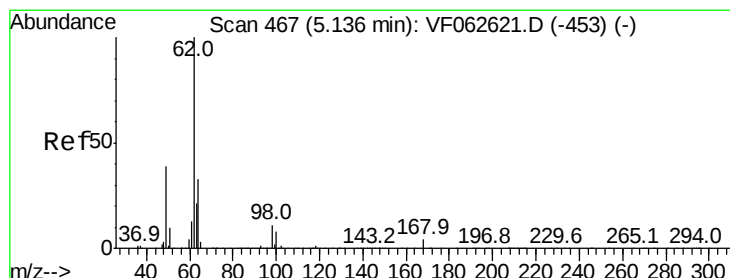
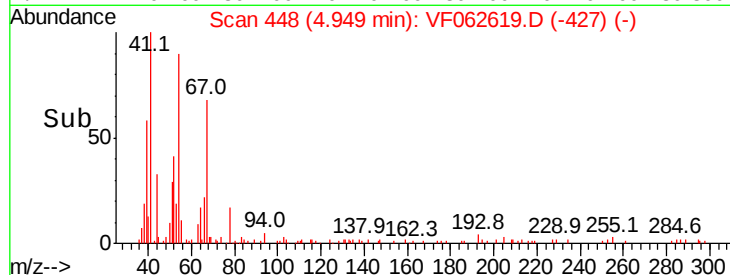
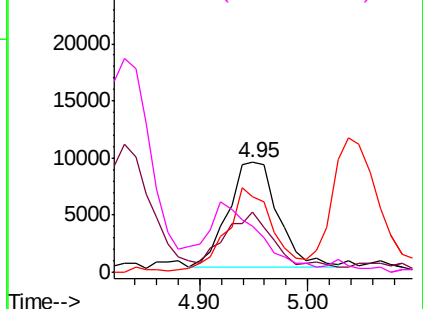
Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100			
39	39	55.4	42.2	63.2	
67	67	69.1	56.4	84.6	
52	52	41.7	38.8	58.2	

Manual Integrations
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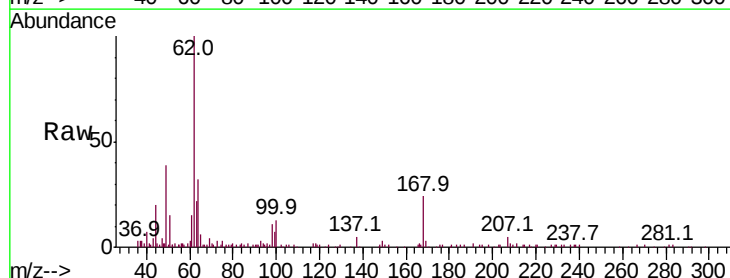


Abundance Ion 41.00 (40.70 to 41.70): VF0
Ion 39.00 (38.70 to 39.70): VF0
Ion 67.00 (66.70 to 67.70): VF0
Ion 52.00 (51.70 to 52.70): VF0

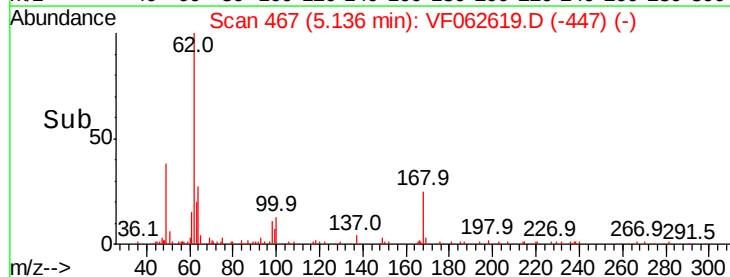
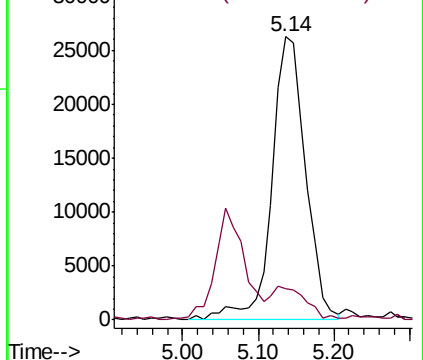


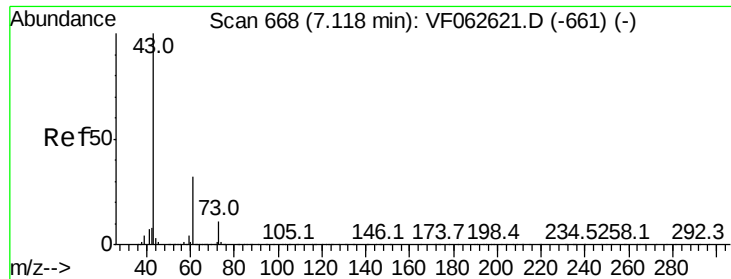
#42
1,2-Dichloroethane
Concen: 11.299 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100			
98	98	11.2	0.0	21.6	



Abundance Ion 62.00 (61.70 to 62.70): VF0
Ion 98.00 (97.70 to 98.70): VF0





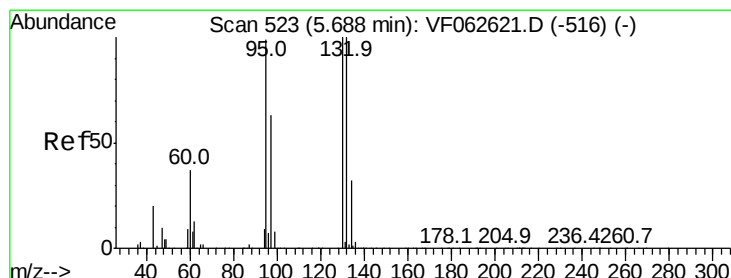
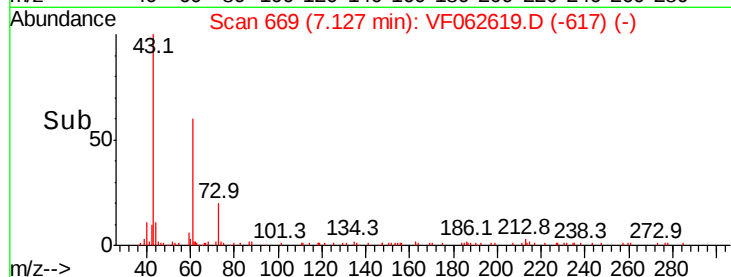
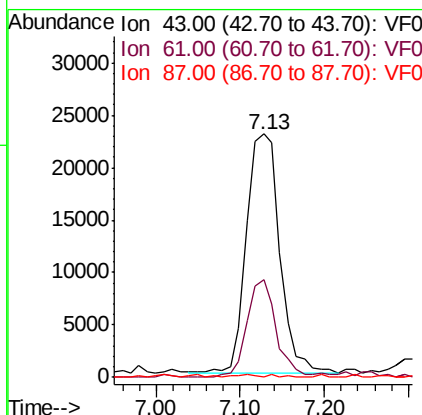
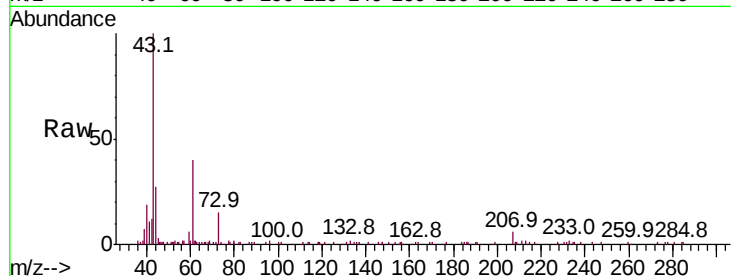
#43
Isopropyl Acetate
Concen: 9.035 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	40.2	25.8	38.8#
87	0.0	0.4	0.6#

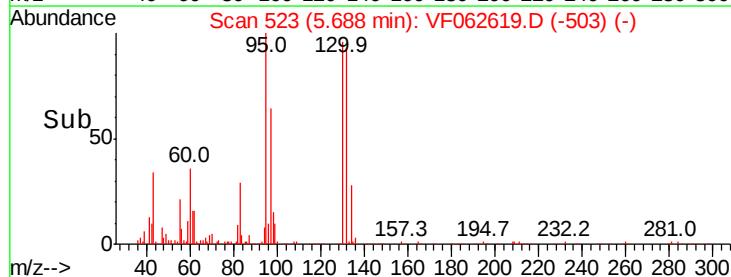
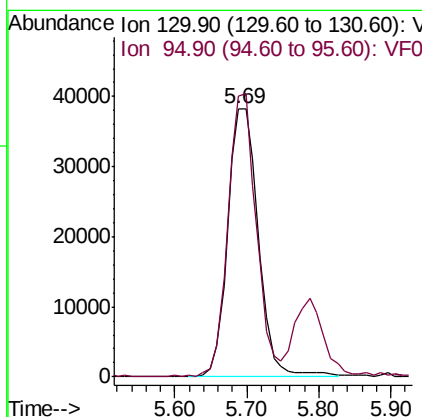
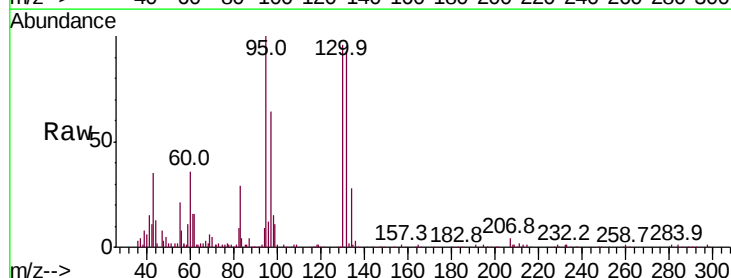
Manual Integrations
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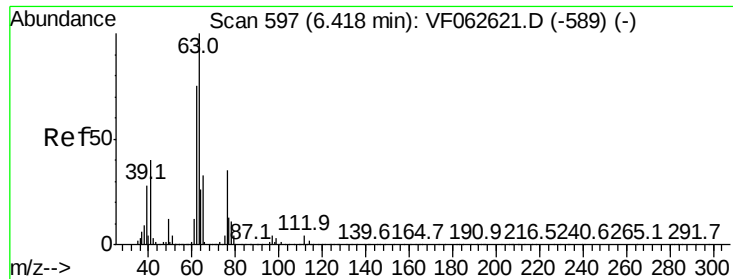
MMDadoda
5/17/2019 4:20:00 PM



#44
Trichloroethene
Concen: 11.199 ug/l
RT: 5.69 min Scan# 523
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	199.4





#45

1,2-Dichloropropane

Concen: 11.136 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 101234

Ion Ratio Lower Upper

63 100

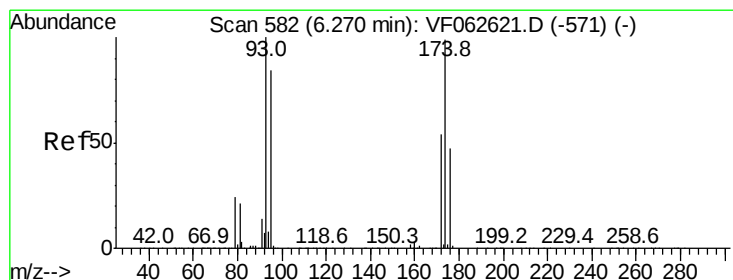
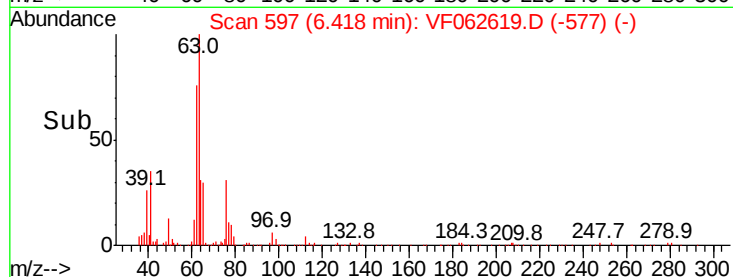
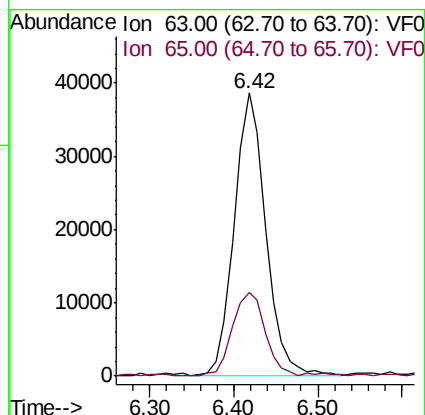
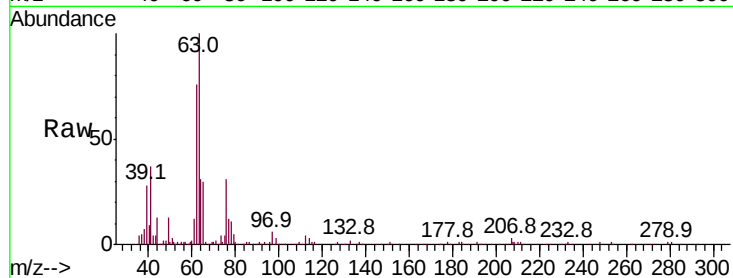
65 29.8 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 10.814 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

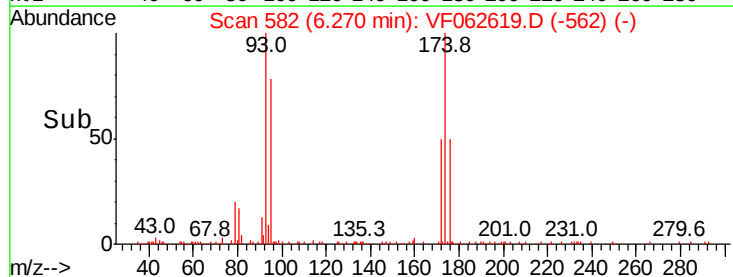
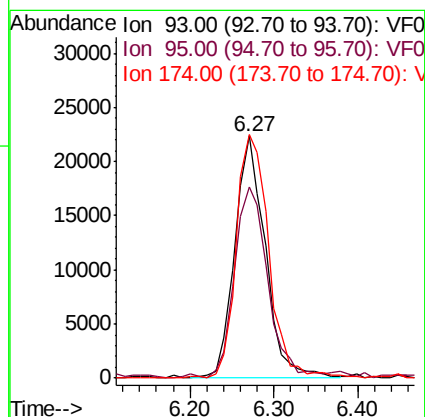
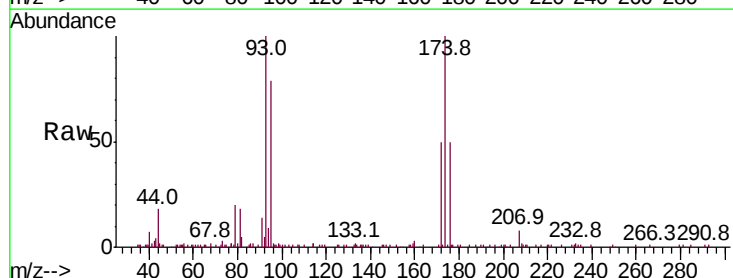
Tgt Ion: 93 Resp: 56814

Ion Ratio Lower Upper

93 100

95 79.1 67.4 101.2

174 101.7 79.4 119.2





#47

Bromodichloromethane

Concen: 10.802 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

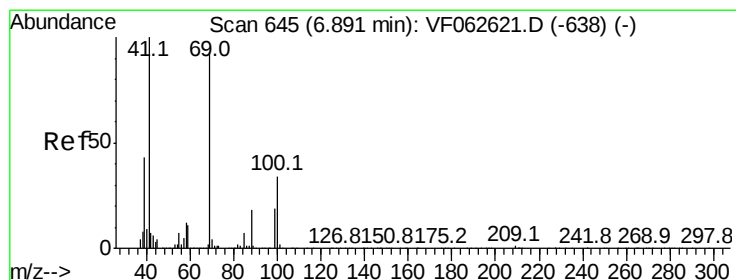
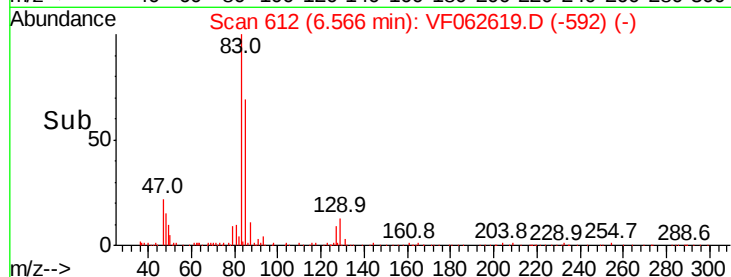
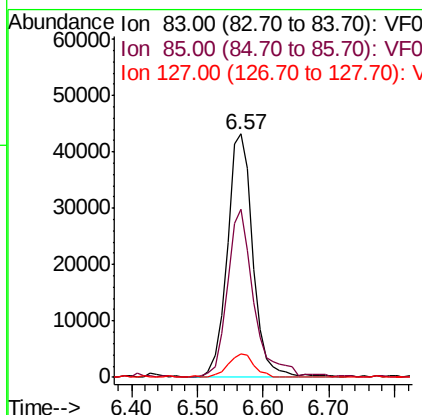
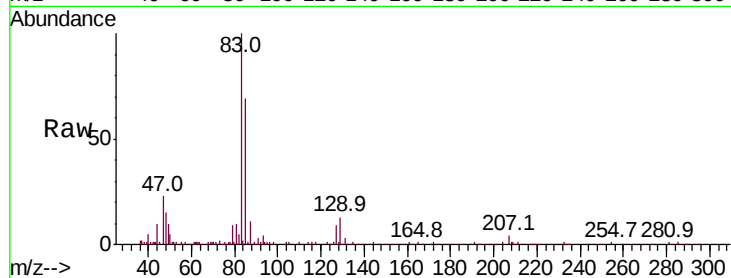
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	117819
Ion Ratio	Lower	Upper	
83	100		
85	68.9	52.0	78.0
127	9.5	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 10.198 ug/l

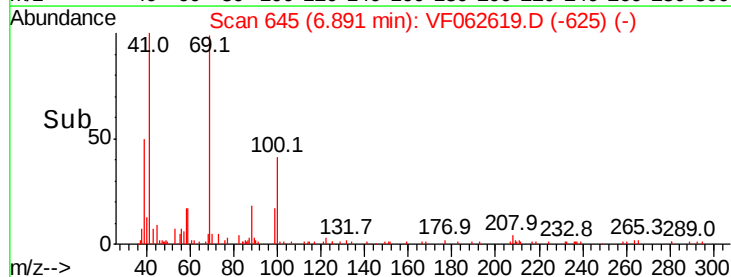
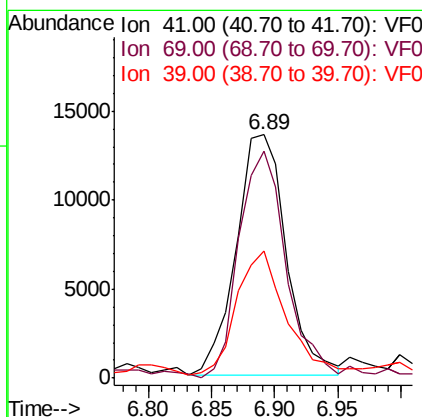
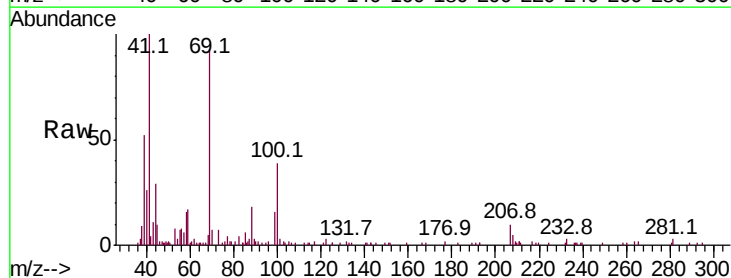
RT: 6.89 min Scan# 645

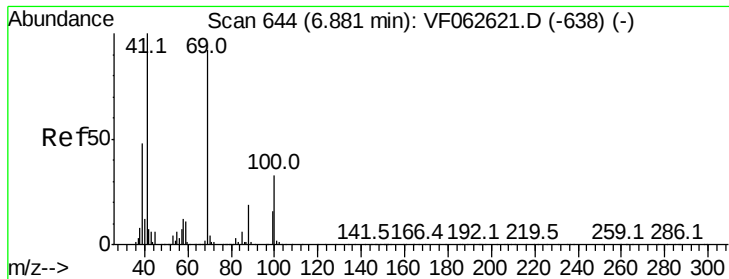
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	41	Resp:	37271
Ion Ratio	Lower	Upper	
41	100		
69	93.4	74.2	111.2
39	52.4	34.2	51.4#





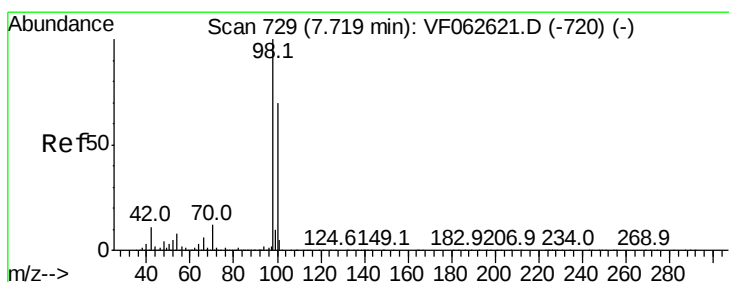
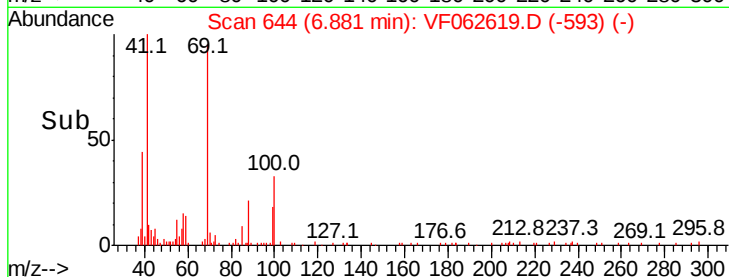
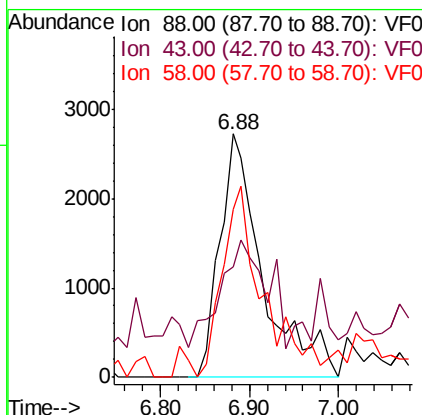
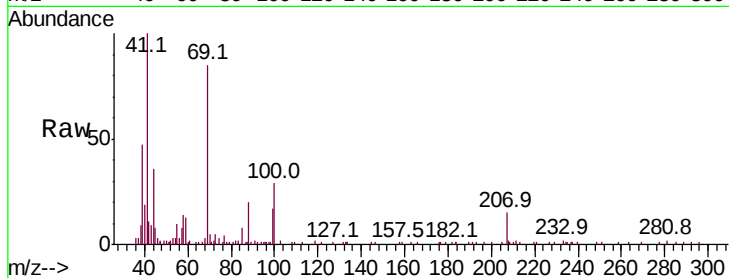
#49
1,4-Dioxane
Concen: 195.229 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.5	30.0	45.0#
58	69.0	51.1	76.7

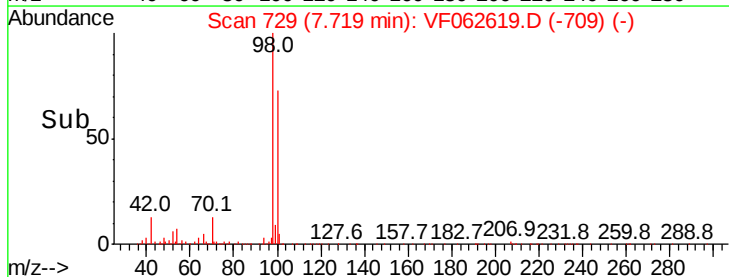
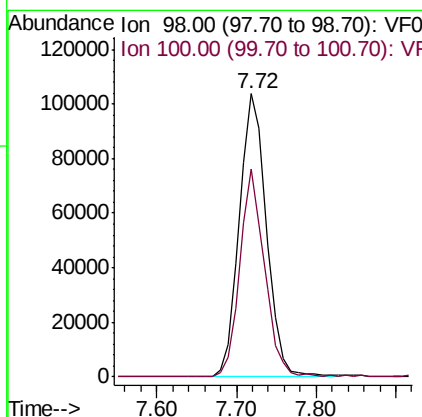
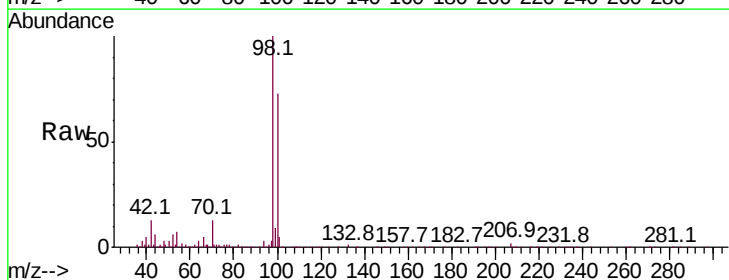
Manual Integrations
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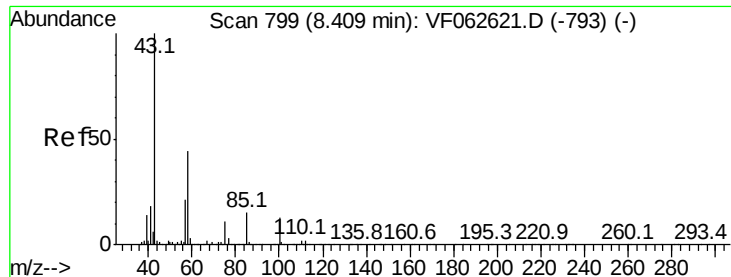
MMDadoda
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#50
Toluene-d8
Concen: 10.365 ug/l
RT: 7.72 min Scan# 729
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 52.123 ug/l

RT: 8.41 min Scan# 799

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 249134

Ion Ratio Lower Upper

43 100

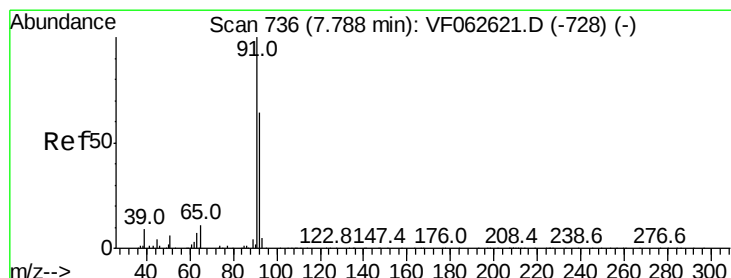
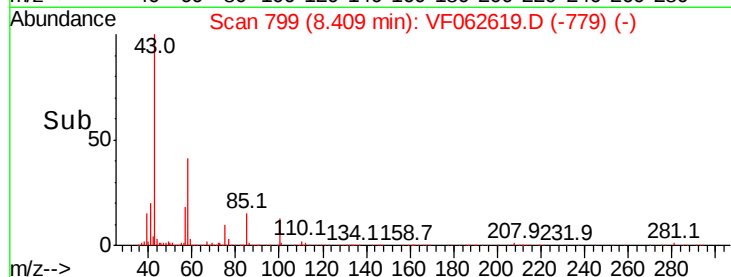
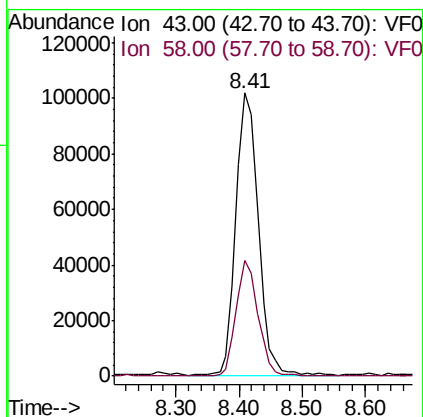
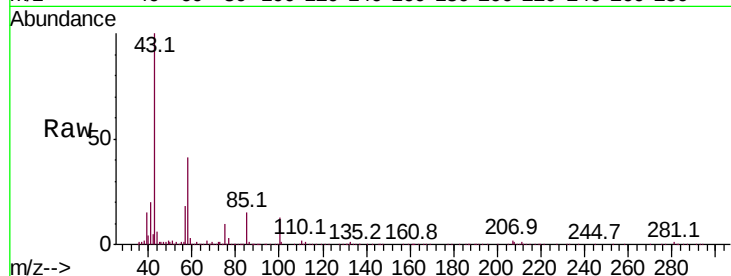
58 40.7 34.9 52.3

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#52

Toluene

Concen: 11.368 ug/l

RT: 7.79 min Scan# 736

Delta R.T. 0.00 min

Lab File: VF062619.D

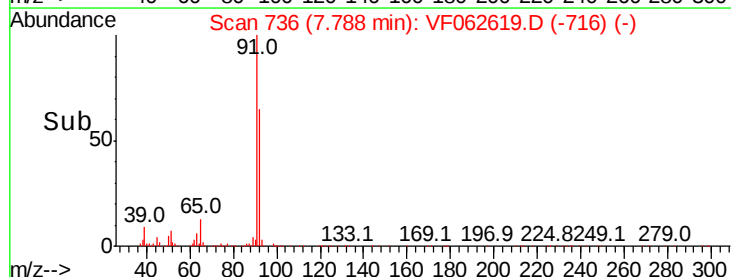
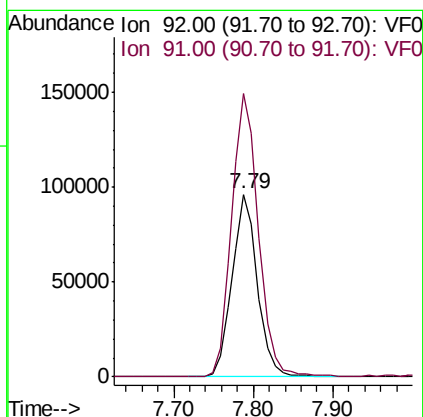
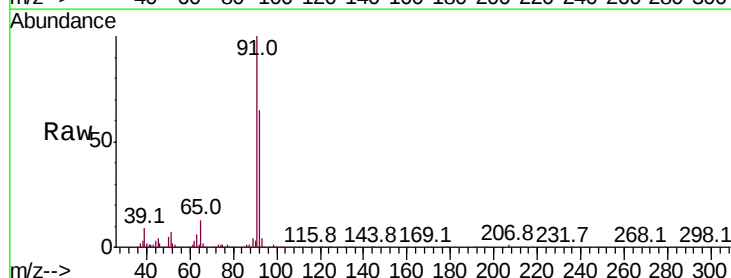
Acq: 16 May 2019 11:04

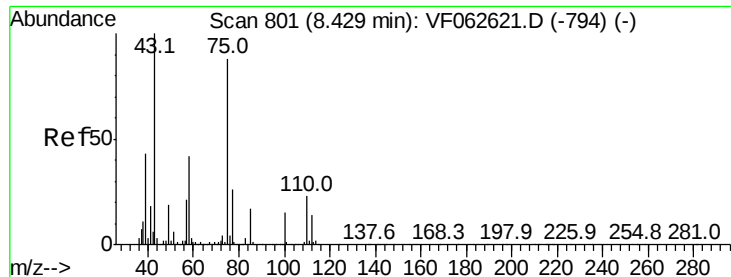
Tgt Ion: 92 Resp: 214705

Ion Ratio Lower Upper

92 100

91 154.9 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 11.006 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 75 Resp: 98213

Ion Ratio Lower Upper

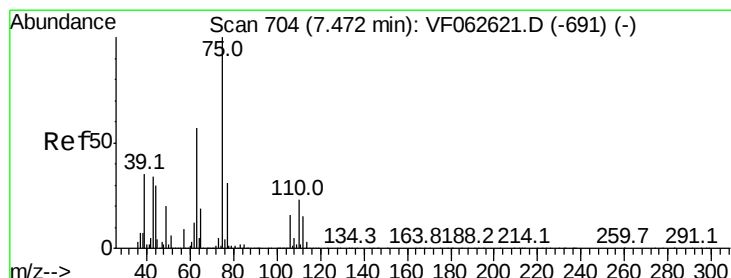
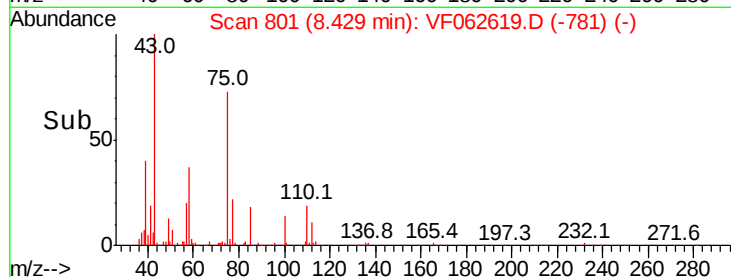
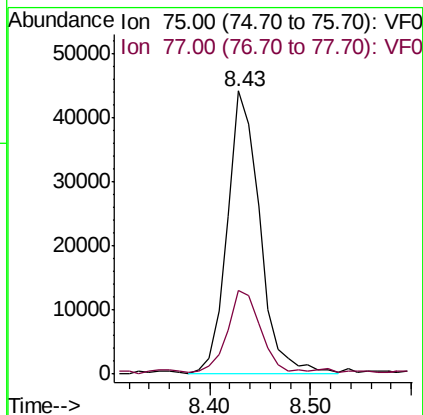
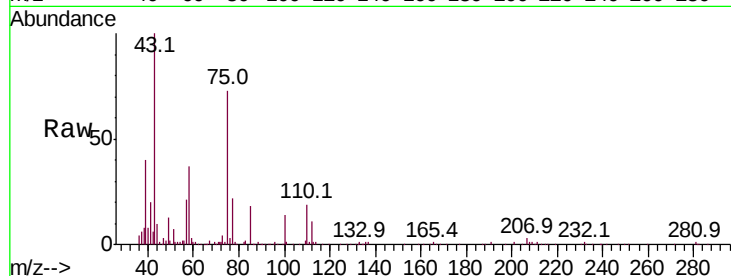
75 100

77 29.7 24.2 36.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 10.923 ug/l

RT: 7.47 min Scan# 704

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

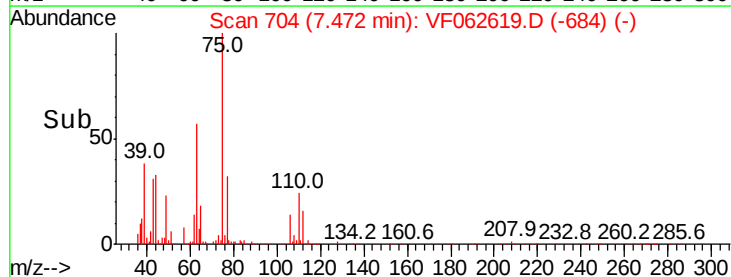
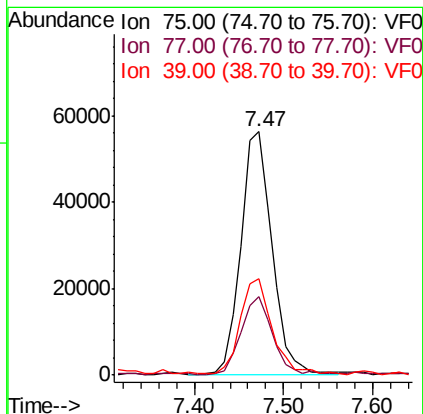
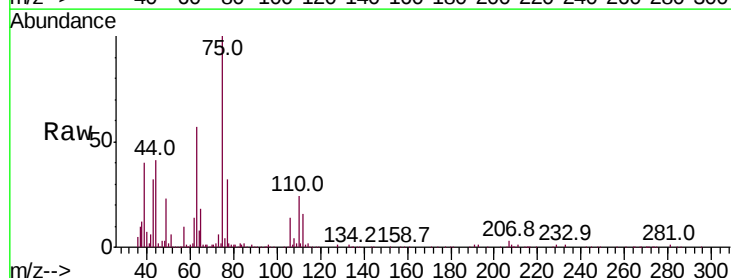
Tgt Ion: 75 Resp: 136442

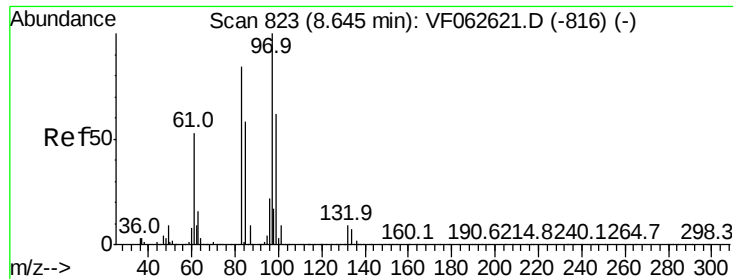
Ion Ratio Lower Upper

75 100

77 32.5 25.3 37.9

39 39.6 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 10.561 ug/l

RT: 8.65 min Scan# 823

Delta R.T. 0.00 min

Lab File: VF062619.D

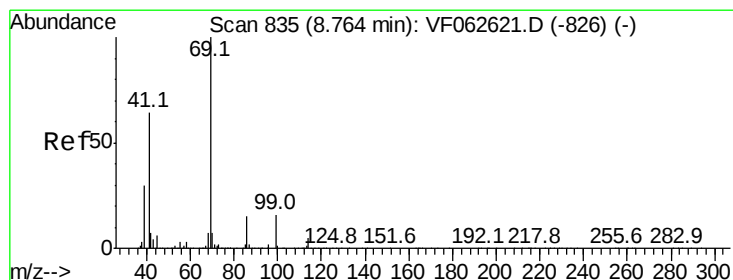
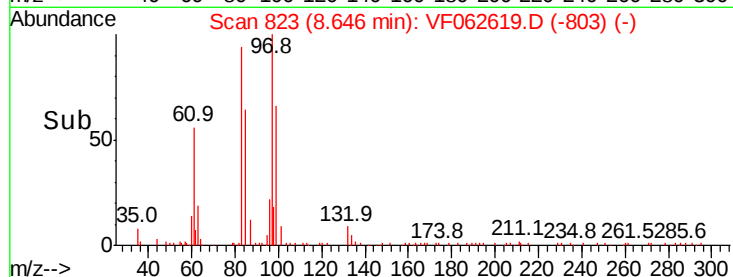
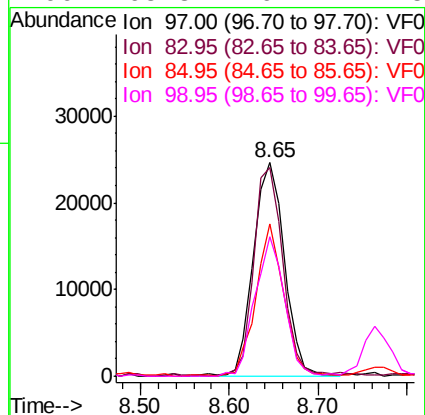
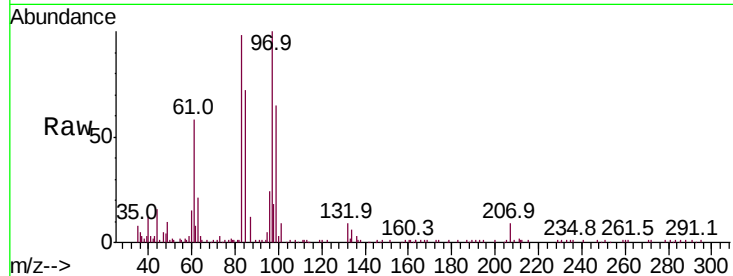
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	97	Resp	59060
Ion	Ratio	Lower	Upper
97	100		
83	97.6	67.3	100.9
85	71.5	46.6	69.8#
99	65.3	49.7	74.5

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#56

Ethyl methacrylate

Concen: 9.984 ug/l

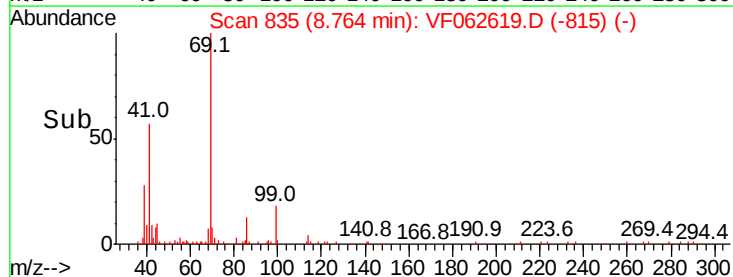
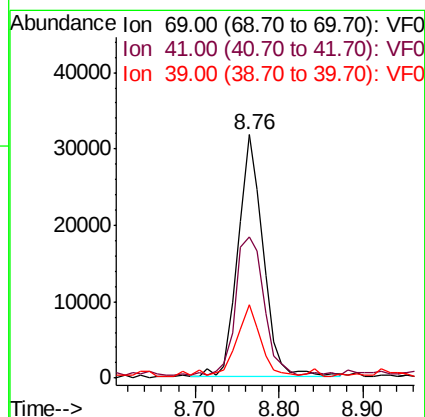
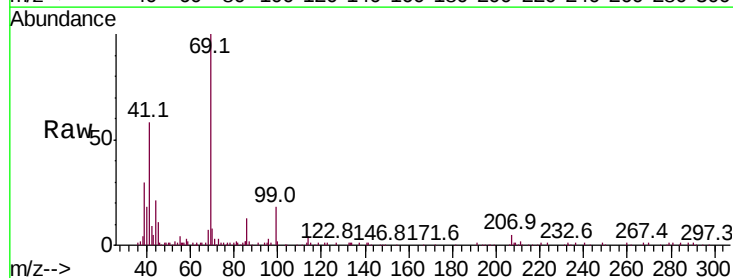
RT: 8.76 min Scan# 835

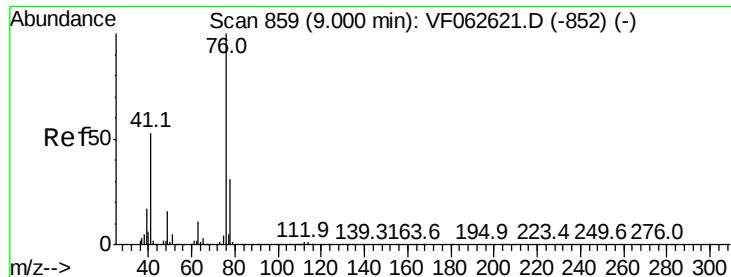
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion	69	Resp	66516
Ion	Ratio	Lower	Upper
69	100		
41	58.1	51.4	77.2
39	29.9	23.6	35.4





#57

1,3-Dichloropropane

Concen: 10.954 ug/l

RT: 9.00 min Scan# 859

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tot Ion: 76 Resp: 104334

Ion Ratio Lower Upper

76 100

78 33.5 25.4 38.0

Instrument :

MSVOA_F

ClientSampled :

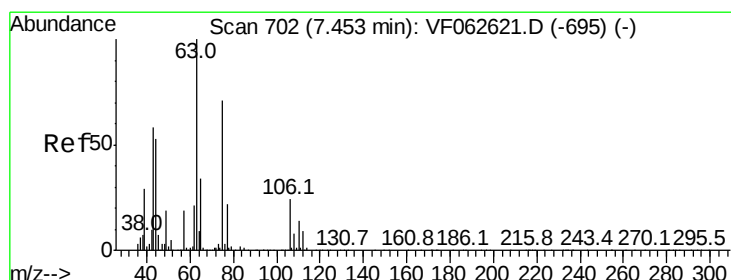
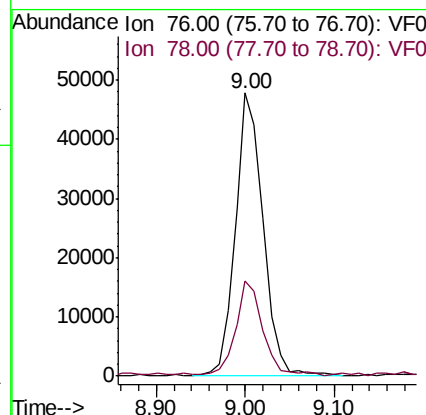
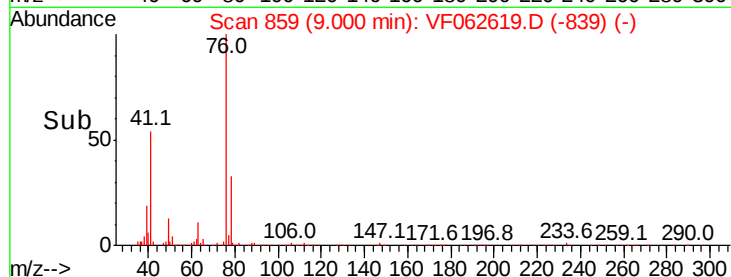
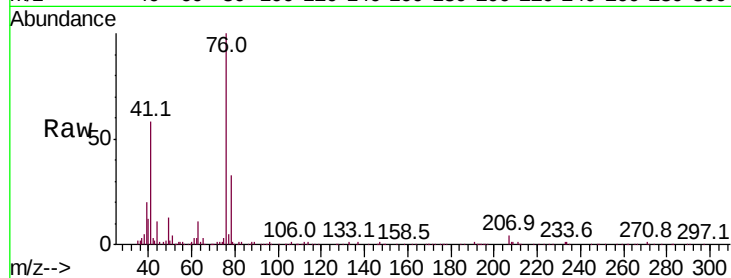
VSTDIC010

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#58

2-Chloroethyl Vinyl ether

Concen: 46.800 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062619.D

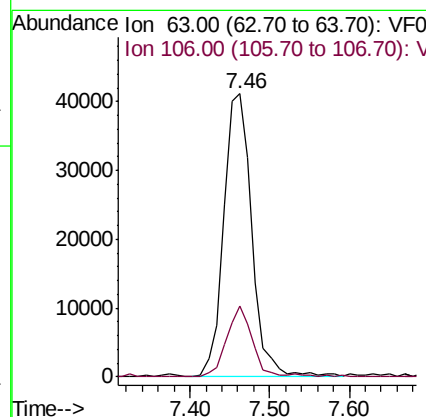
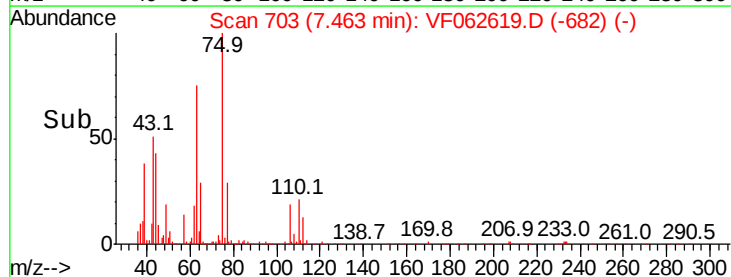
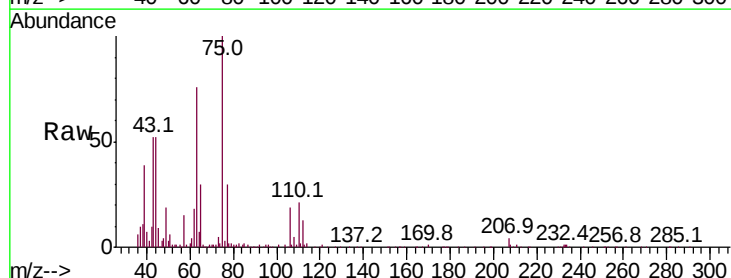
Acq: 16 May 2019 11:04

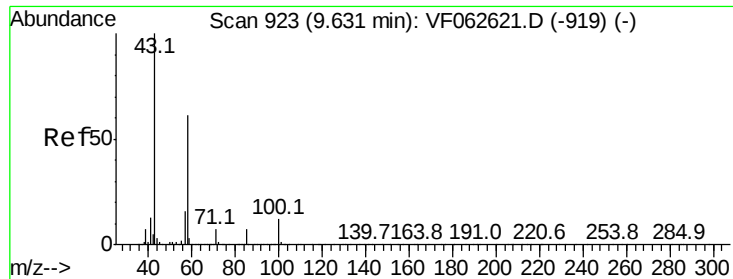
Tgt Ion: 63 Resp: 101490

Ion Ratio Lower Upper

63 100

106 25.0 19.1 28.7





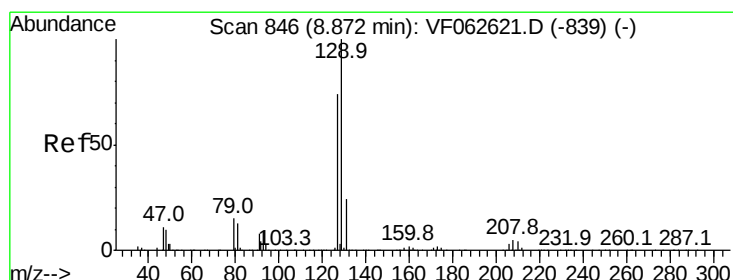
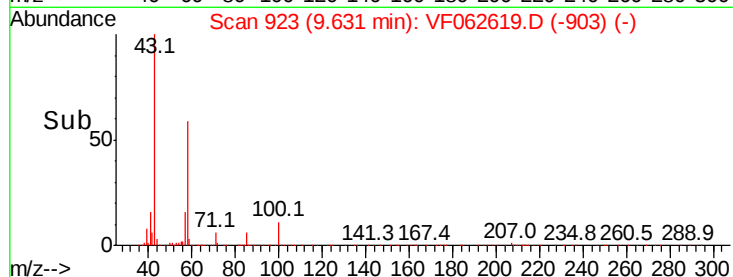
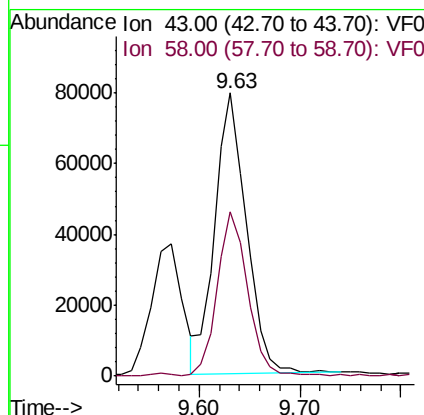
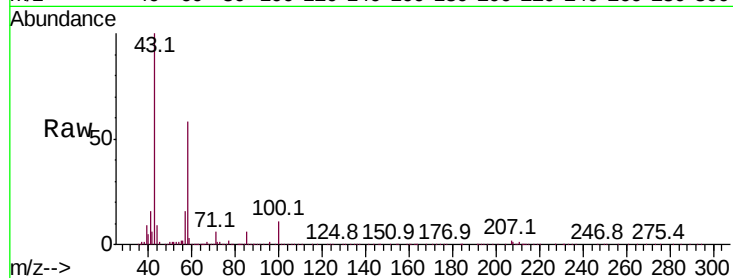
#59
2-Hexanone
Concen: 49.226 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 172028
Ion Ratio Lower Upper
43 100
58 58.2 28.1 84.4

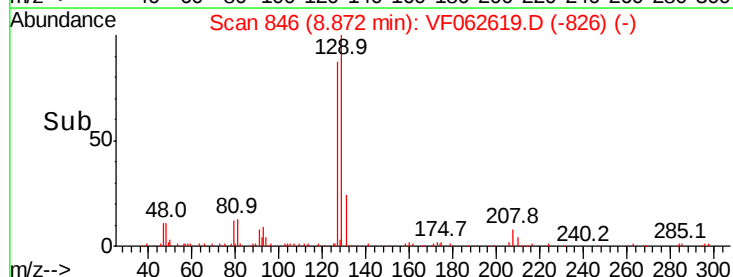
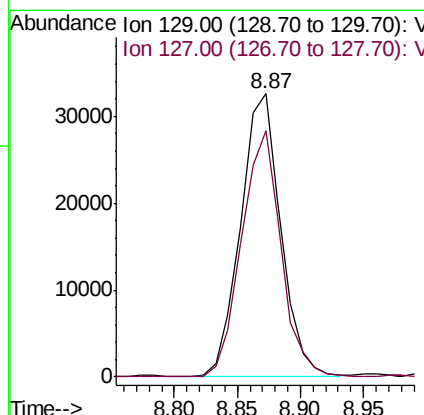
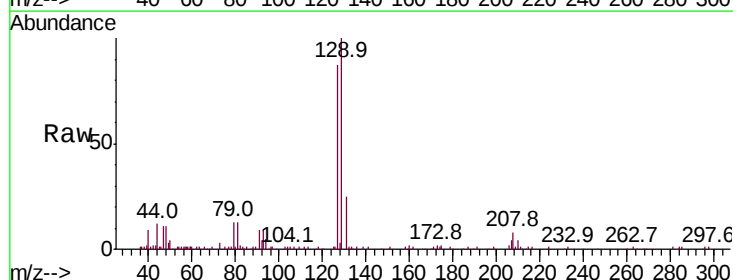
Manual Integrations
APPROVED

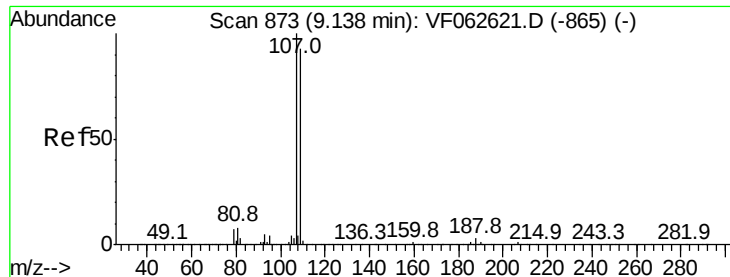
MMDadoda
5/17/2019 4:20:00 PM



#60
Dibromochloromethane
Concen: 9.896 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion: 129 Resp: 72122
Ion Ratio Lower Upper
129 100
127 86.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 10.193 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 60544

Ion Ratio Lower Upper

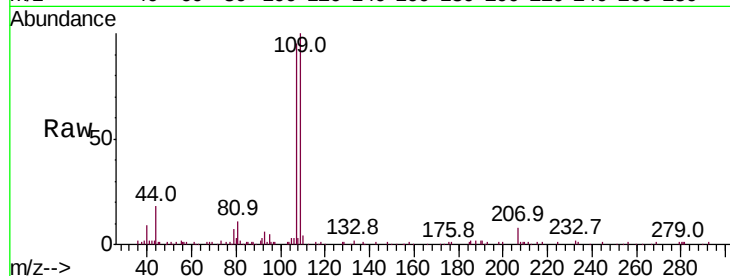
107 100

109 105.2 74.8 112.2

Manual Integrations
APPROVED

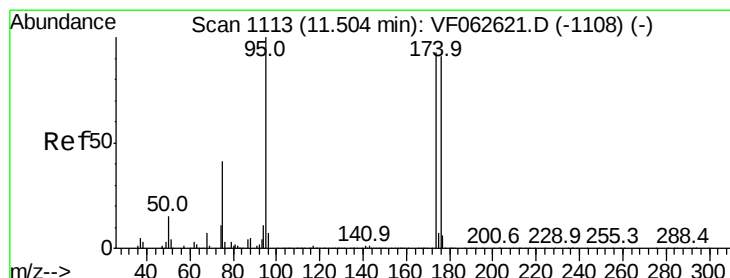
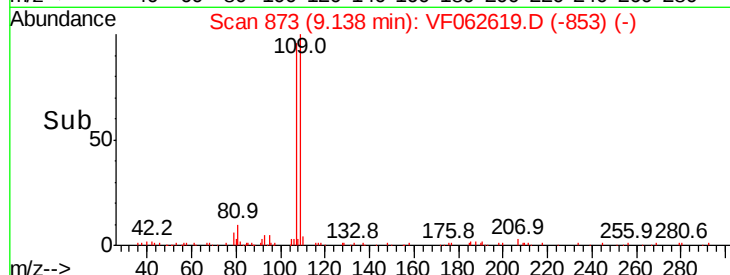
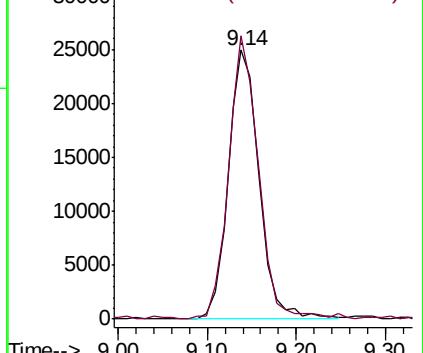
MMDadoda

5/17/2019 4:20:00 PM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 10.264 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

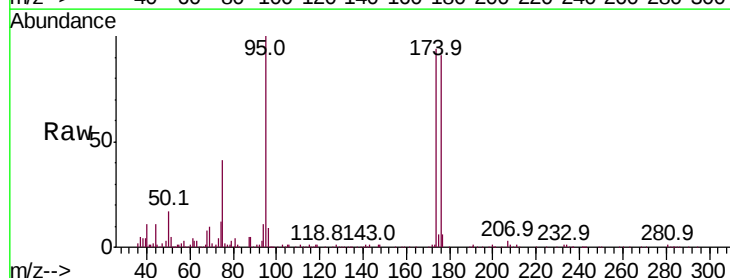
Tgt Ion: 95 Resp: 91749

Ion Ratio Lower Upper

95 100

174 94.4 0.0 185.6

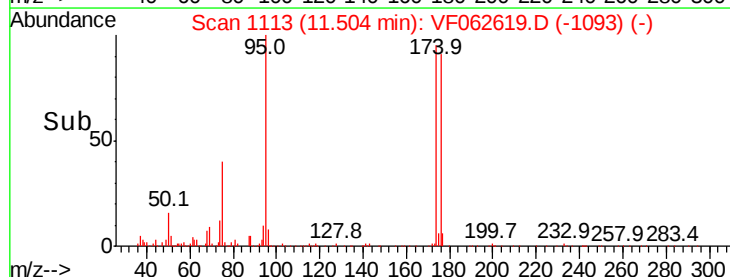
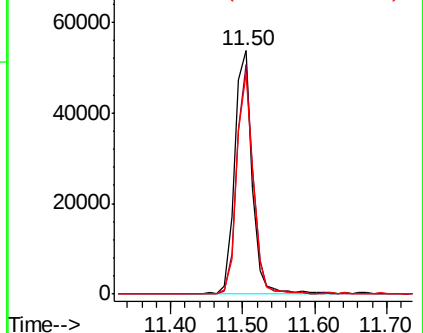
176 90.7 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





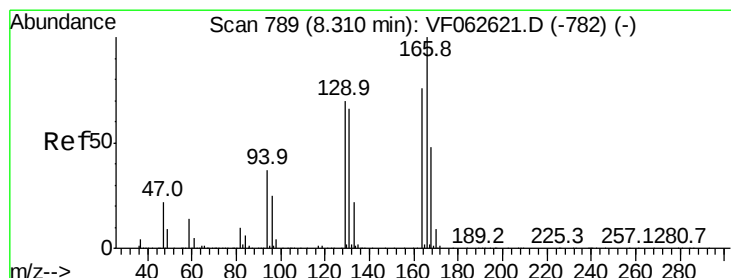
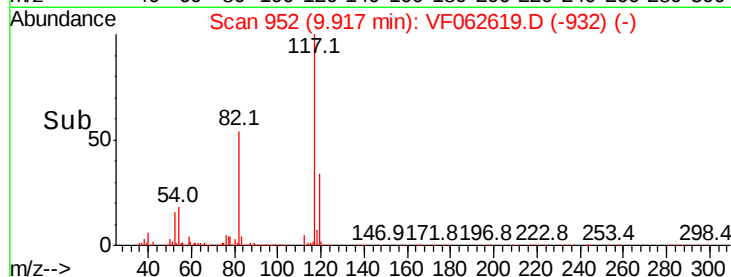
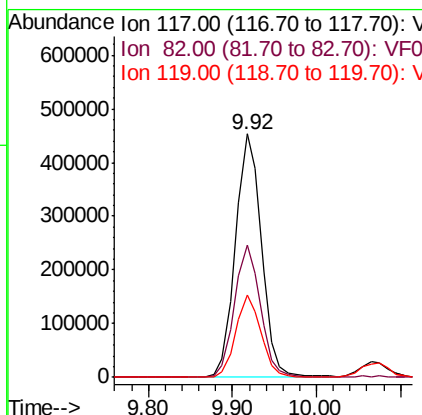
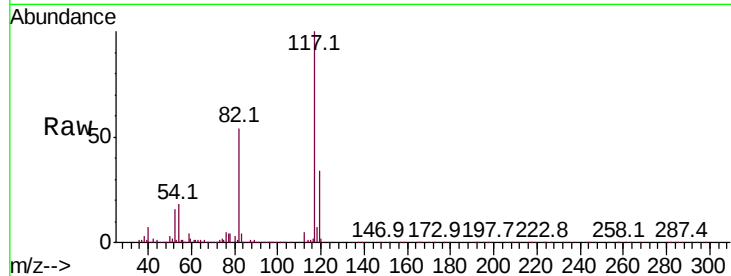
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
117	100	979871		
82	54.5		43.3	64.9
119	33.9		27.4	41.0

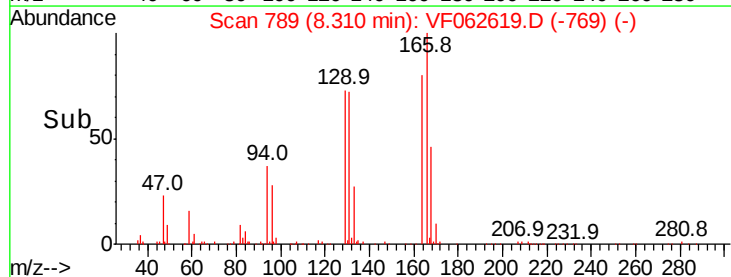
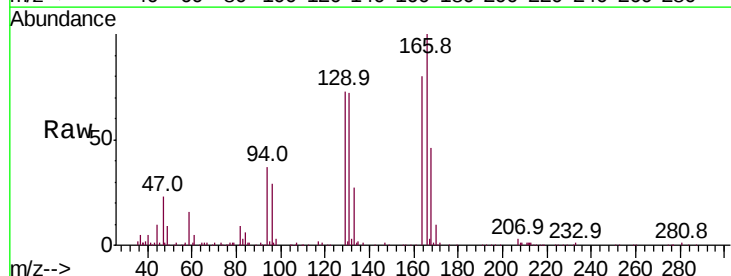
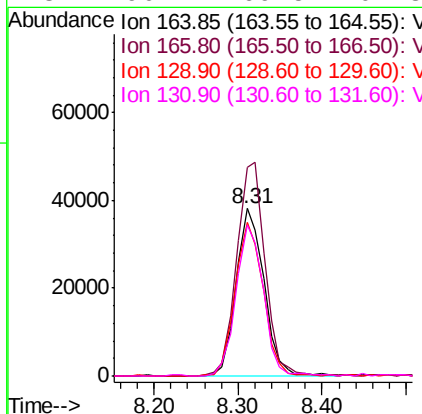
Manual Integrations
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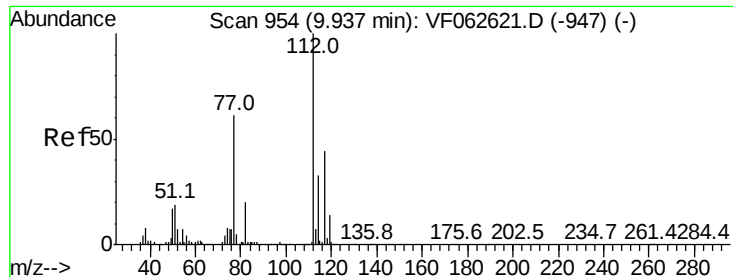
MMDadoda
5/17/2019 4:20:00 PM



#64
Tetrachloroethene
Concen: 11.400 ug/l
RT: 8.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88497		
166	125.1		105.5	158.3
129	91.6		73.8	110.6
131	90.1		69.5	104.3





#65

Chlorobenzene

Concen: 10.950 ug/l

RT: 9.94 min Scan# 954

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:112 Resp: 210746

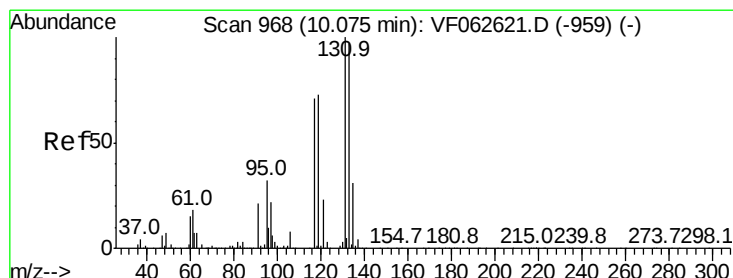
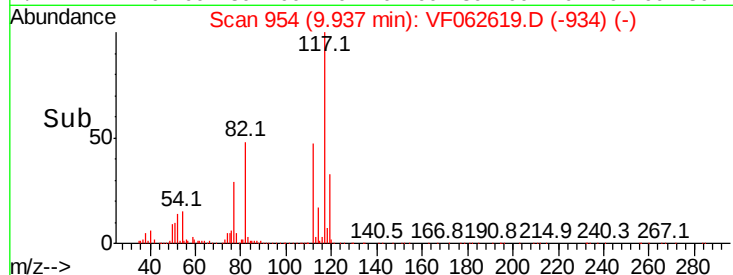
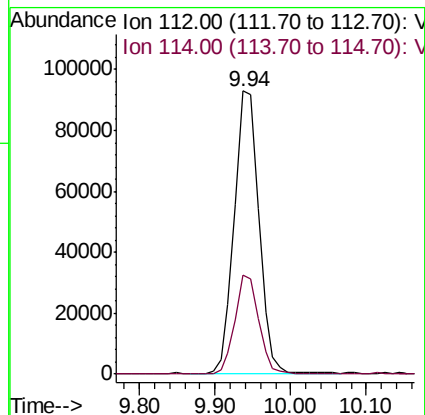
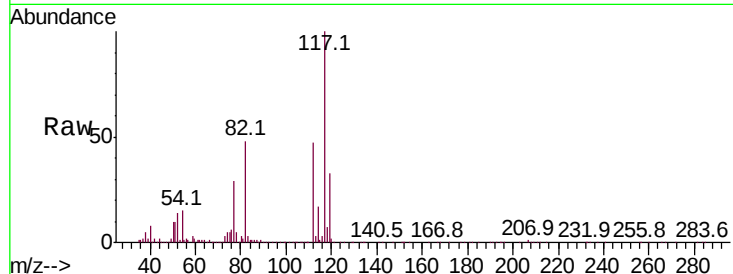
Ion Ratio Lower Upper

112 100

114 35.0 26.8 40.2

Manual Integrations
APPROVED

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#66

1,1,1,2-Tetrachloroethane

Concen: 11.367 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

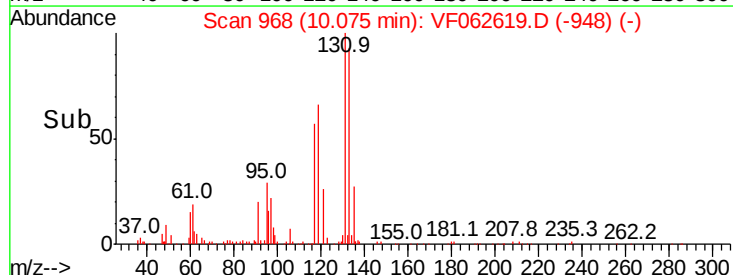
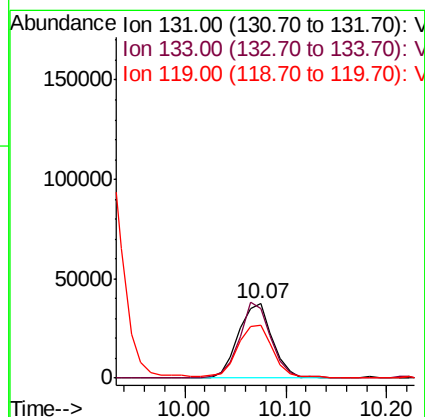
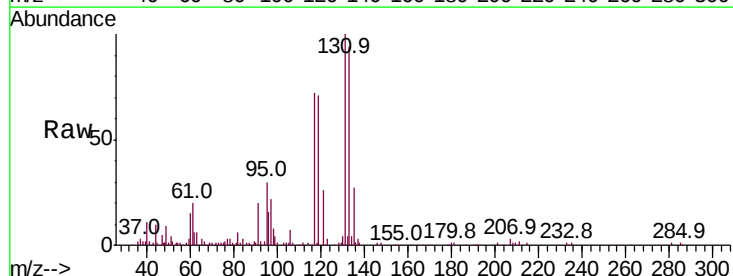
Tgt Ion:131 Resp: 87826

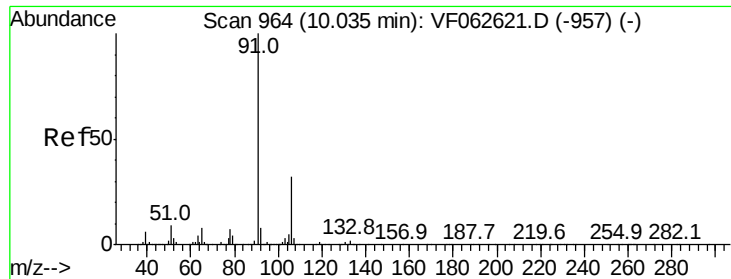
Ion Ratio Lower Upper

131 100

133 94.2 48.5 145.5

119 70.6 36.8 110.4





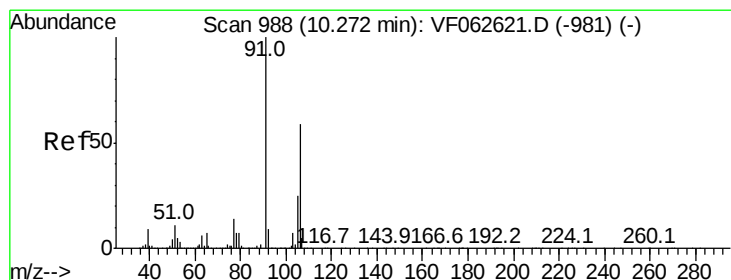
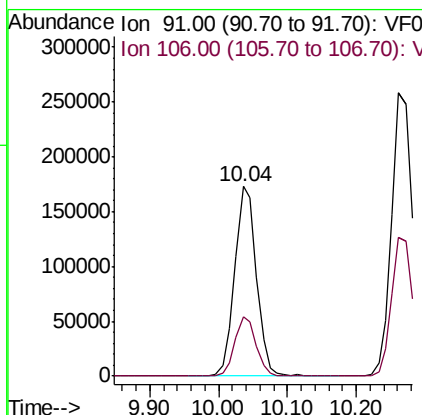
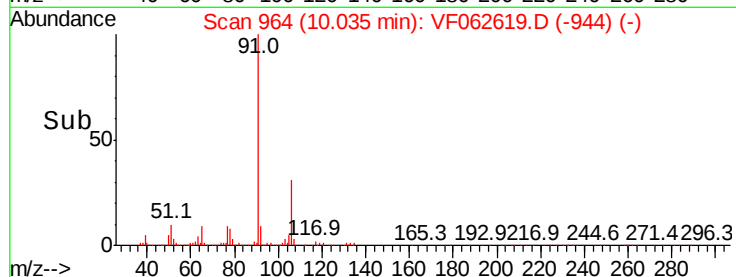
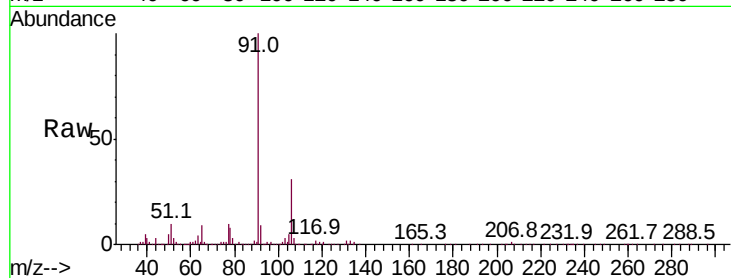
#67
Ethyl Benzene
Concen: 11.299 ug/l
RT: 10.04 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 377768
Ion Ratio Lower Upper
91 100
106 31.0 25.8 38.8

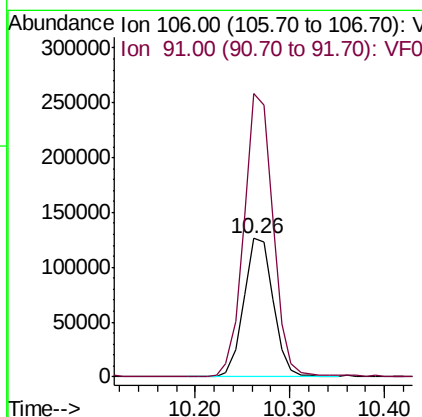
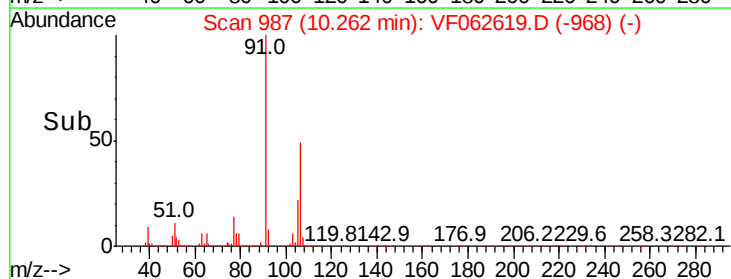
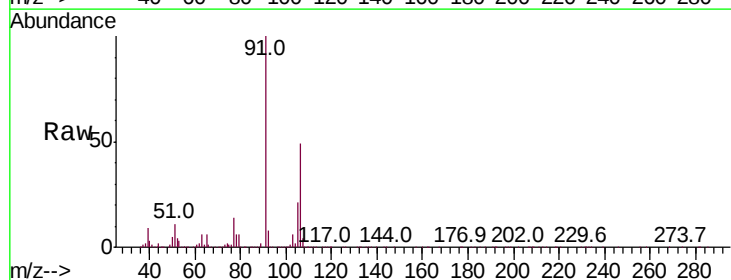
Manual Integrations
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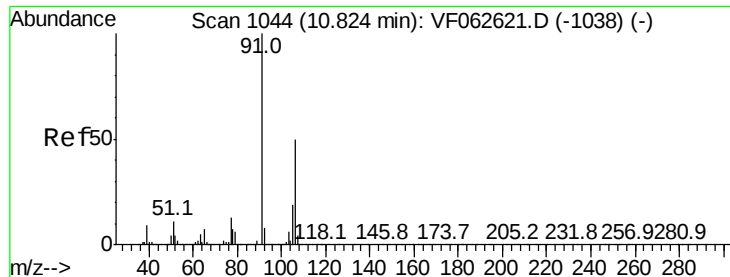
MMDadoda
5/17/2019 4:20:00 PM



#68
m/p-Xylenes
Concen: 21.485 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion: 106 Resp: 269977
Ion Ratio Lower Upper
106 100
91 204.8 136.9 205.3





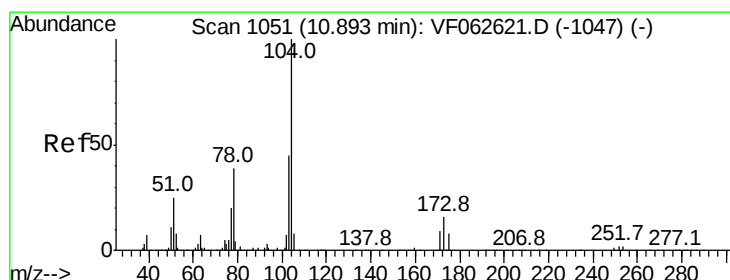
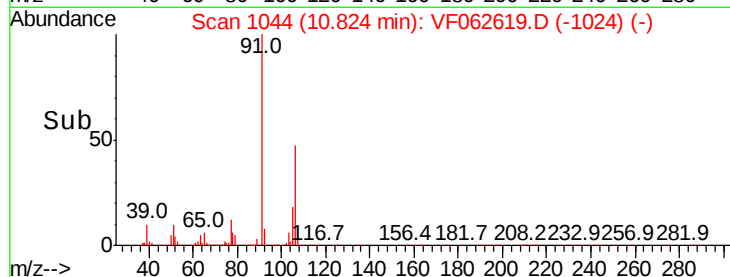
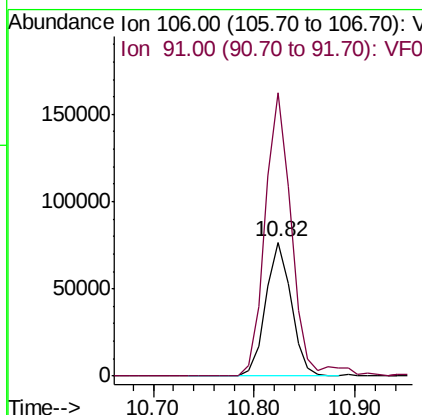
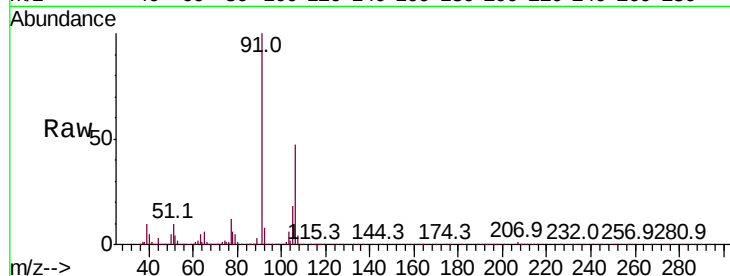
#69
o-Xylene
Concen: 10.400 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.2	100.2	300.5

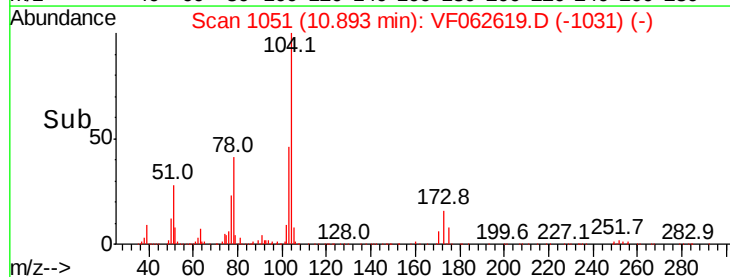
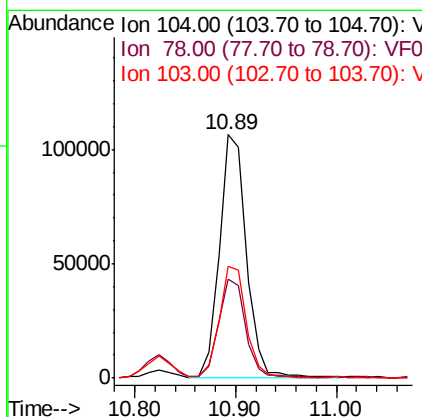
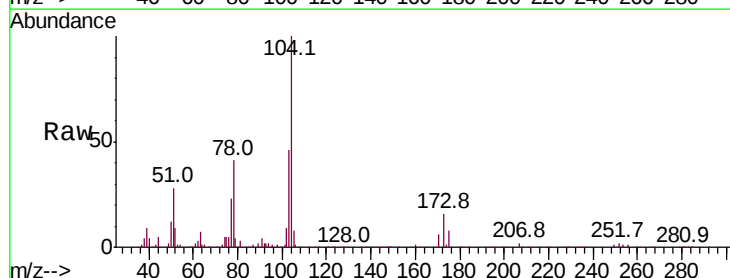
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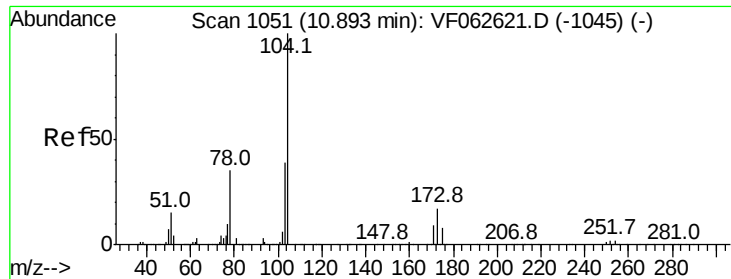
MMDadoda
5/17/2019 4:20:00 PM



#70
Styrene
Concen: 10.062 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.9	31.9	47.9
103	46.1	36.1	54.1





#71

Bromoform

Concen: 9.778 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampled :

VSTDIC010

Tot Ion:173 Resp: 37837

Ion Ratio Lower Upper

173 100

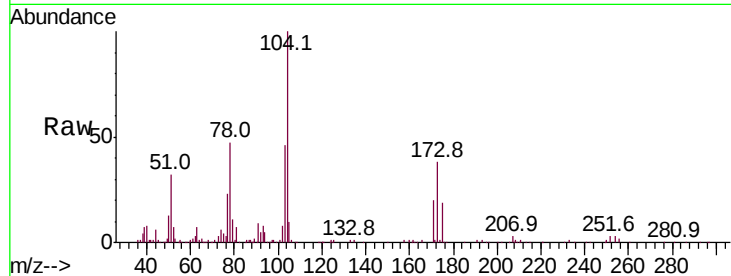
175 48.3 25.3 75.9

254 8.4 0.2 0.2#

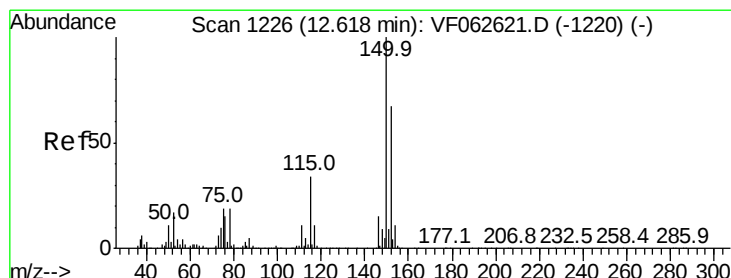
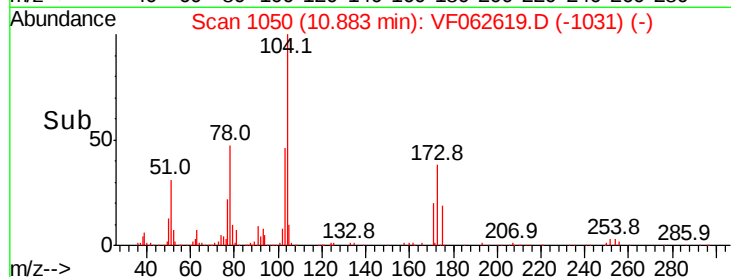
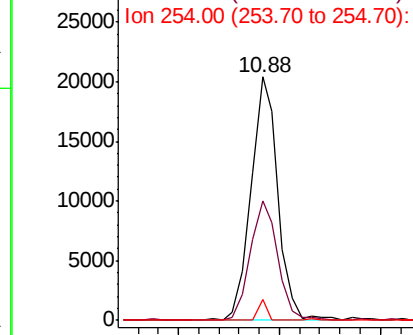
Manual Integrations
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Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1226

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

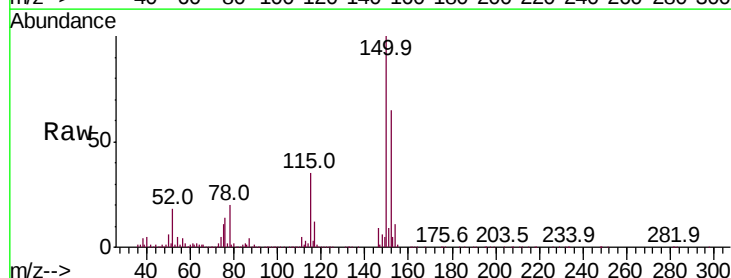
Tgt Ion:152 Resp: 463793

Ion Ratio Lower Upper

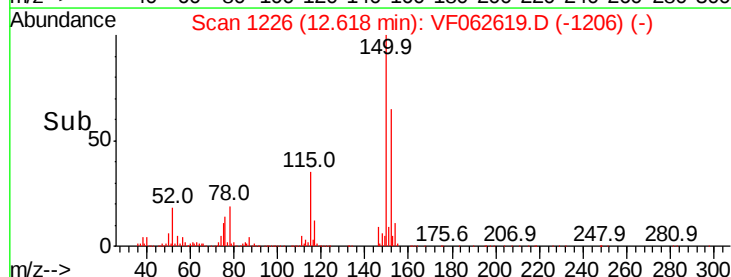
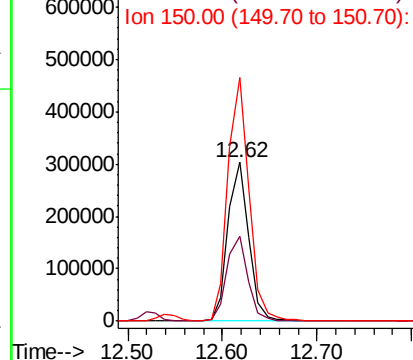
152 100

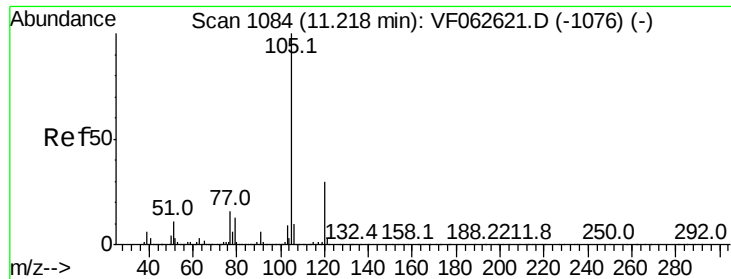
115 53.6 25.2 75.6

150 153.4 0.0 306.2



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





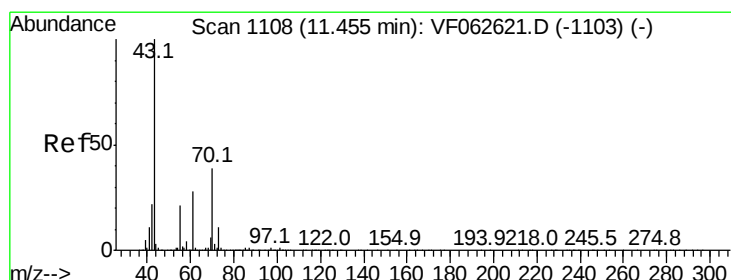
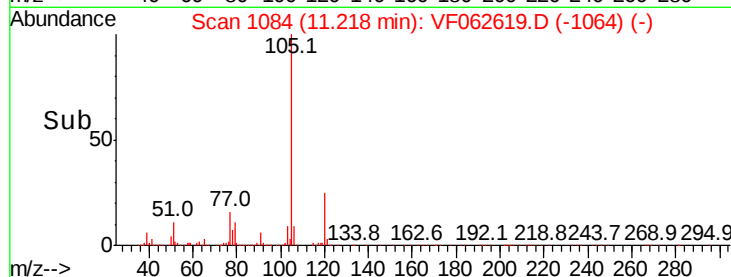
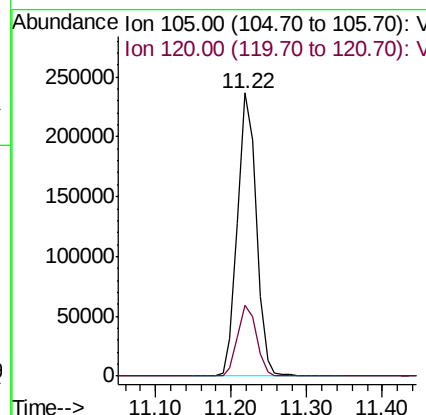
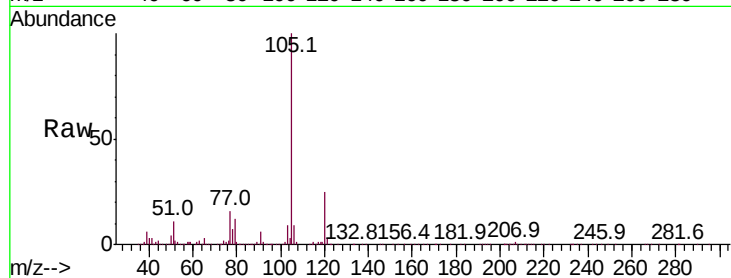
#73
Isopropylbenzene
Concen: 12.197 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	14.8	44.4

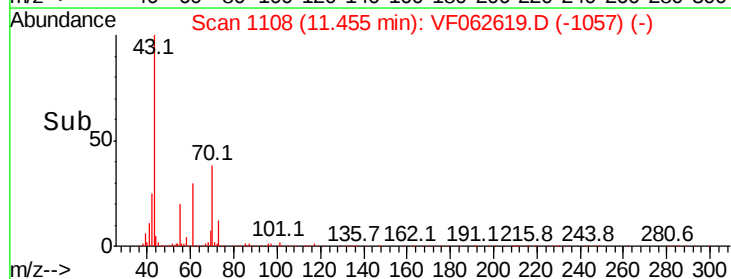
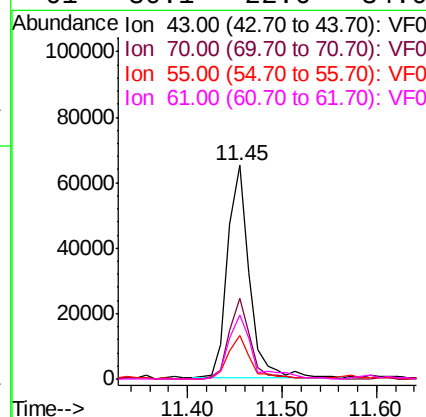
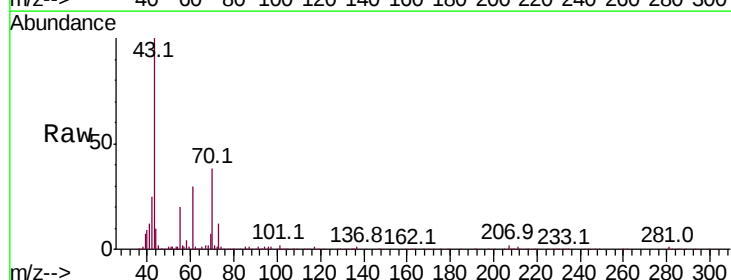
Manual Integrations
APPROVED

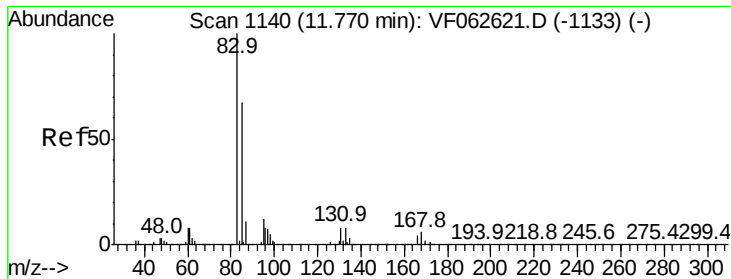
MMDadoda
5/17/2019 4:20:00 PM



#74
N-ethyl acetate
Concen: 10.241 ug/l
RT: 11.45 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
43	100		
70	37.9	30.9	46.3
55	20.2	17.0	25.4
61	30.1	22.6	34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 11.563 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

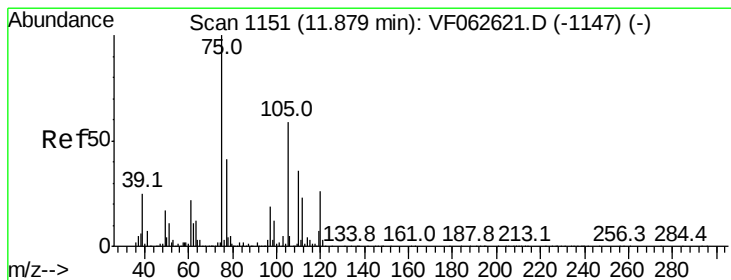
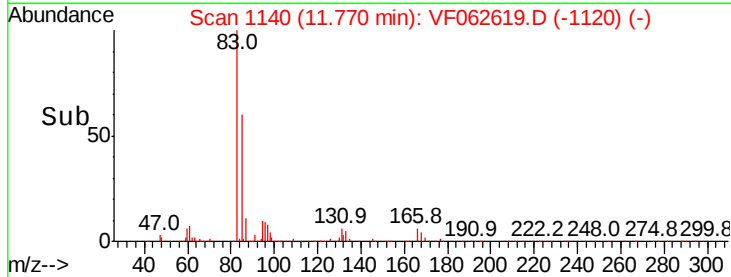
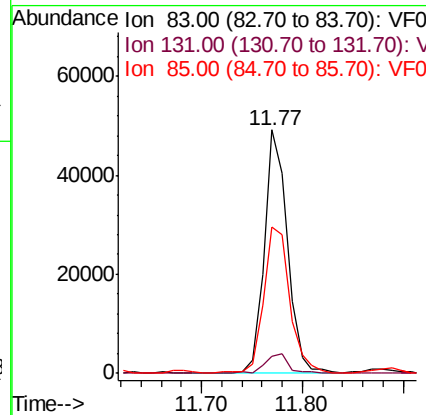
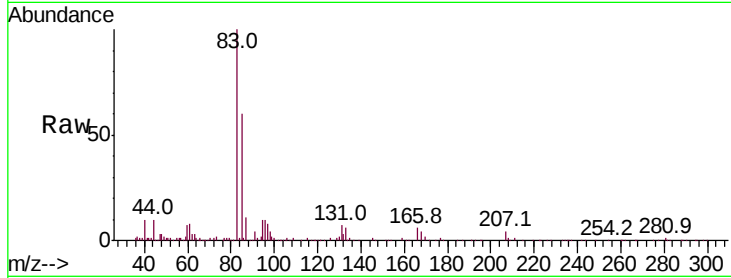
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
131	6.8	4.0	12.0
85	60.2	33.5	100.5

Manual Integrations
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5/17/2019 4:20:00 PM



#76

1,2,3-Trichloropropane

Concen: 11.762 ug/l

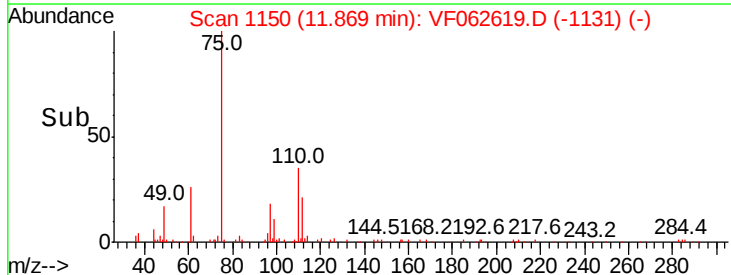
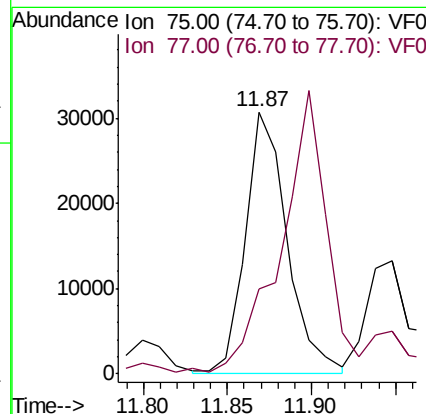
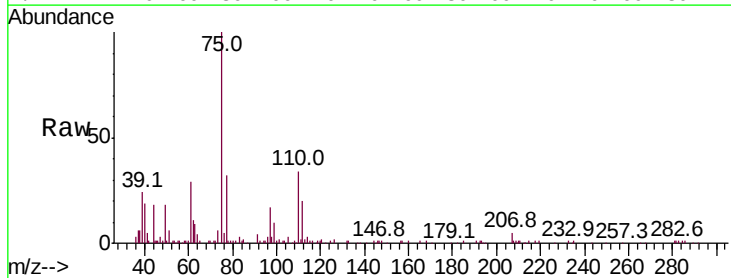
RT: 11.87 min Scan# 1150

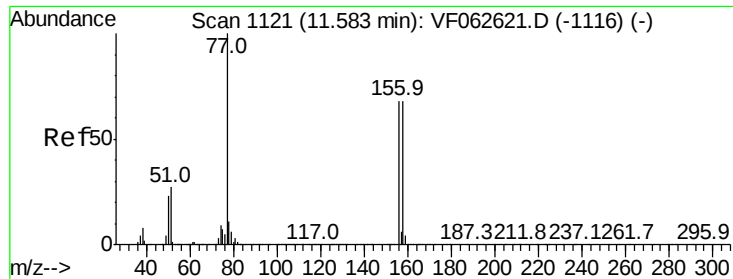
Delta R.T. -0.01 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	20.6	61.8





#77

Bromobenzene

Concen: 11.281 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

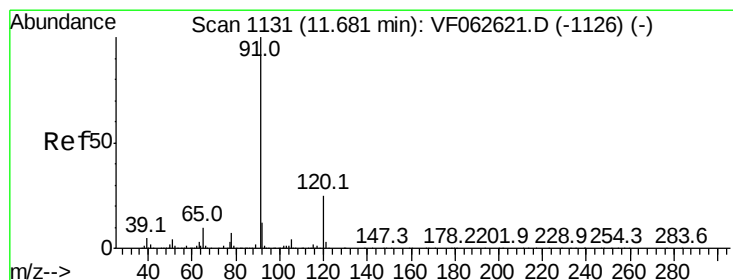
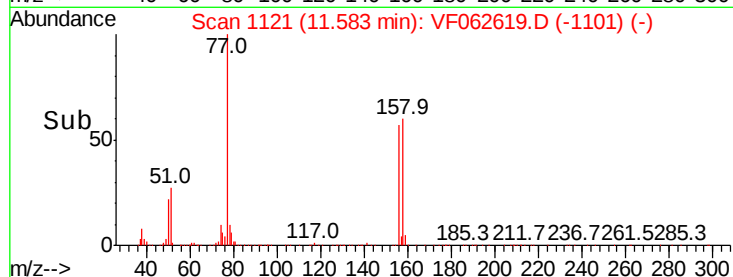
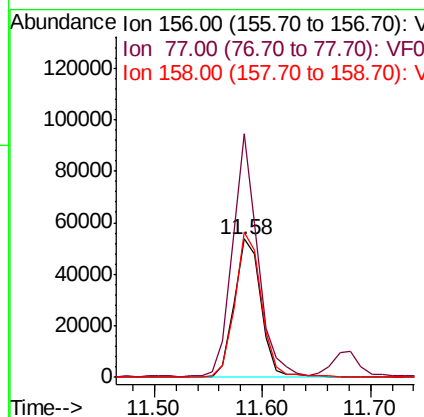
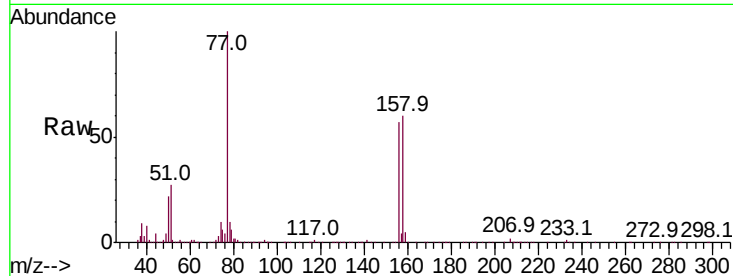
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
156	100		
77	176.1	73.6	220.8
158	105.4	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 12.652 ug/l

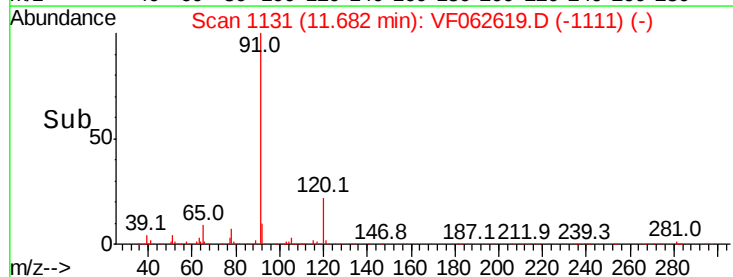
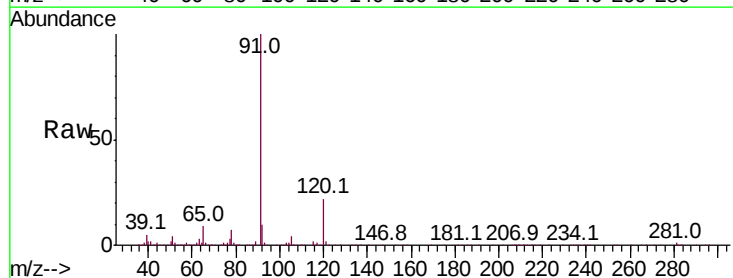
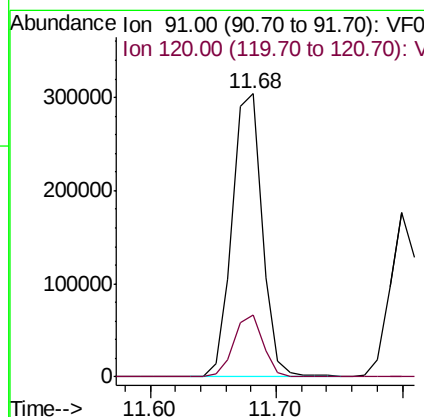
RT: 11.68 min Scan# 1131

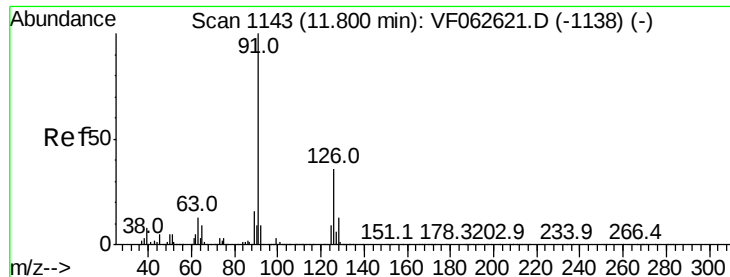
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.9	12.7	38.1





#79

2-Chlorotoluene

Concen: 12.377 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 274407

Ion Ratio Lower Upper

91 100

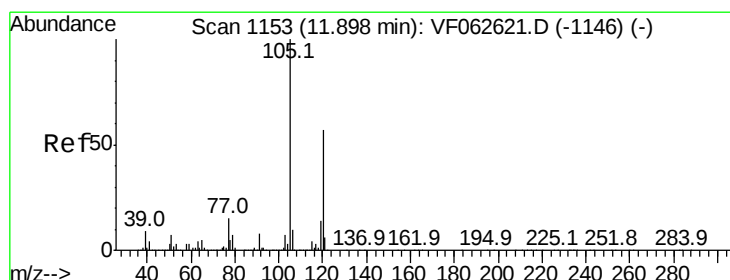
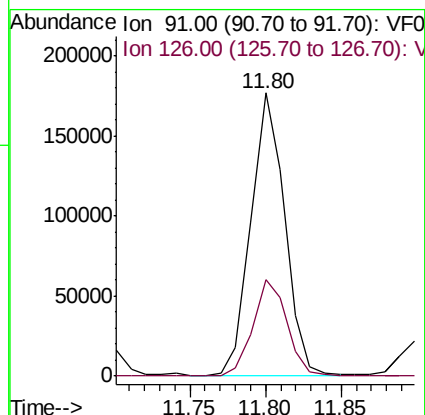
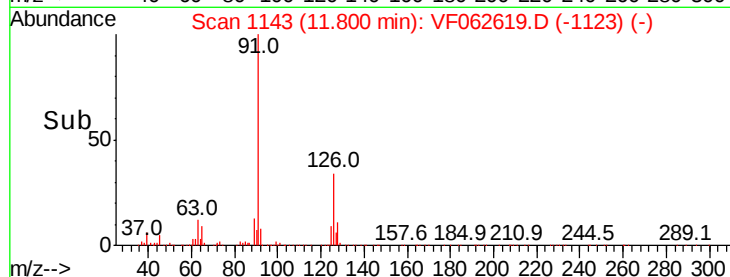
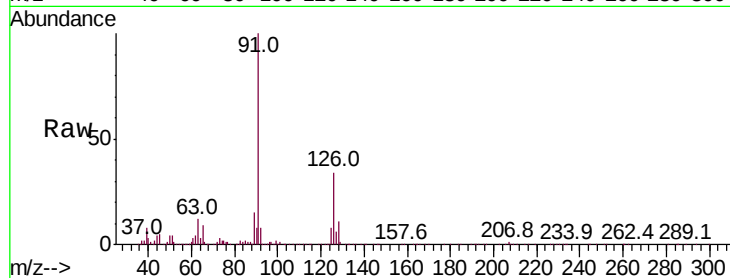
126 34.3 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 12.558 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. 0.00 min

Lab File: VF062619.D

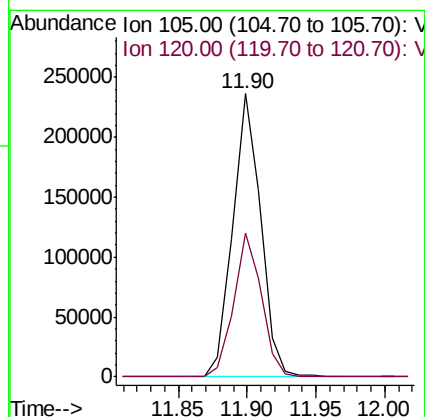
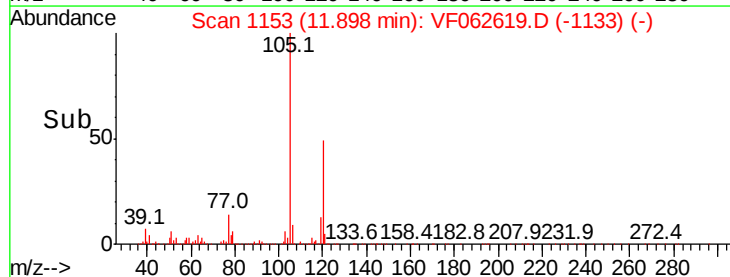
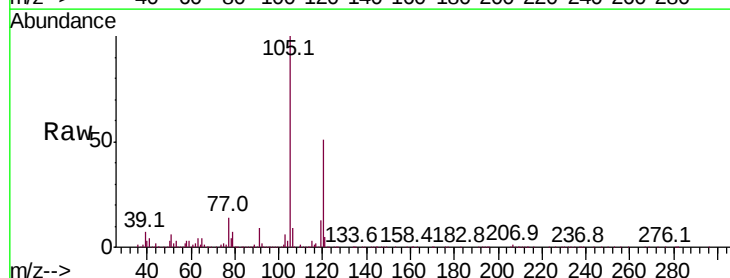
Acq: 16 May 2019 11:04

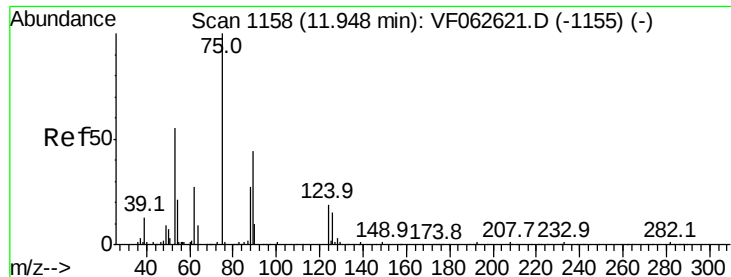
Tgt Ion: 105 Resp: 334718

Ion Ratio Lower Upper

105 100

120 50.7 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 8.285 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

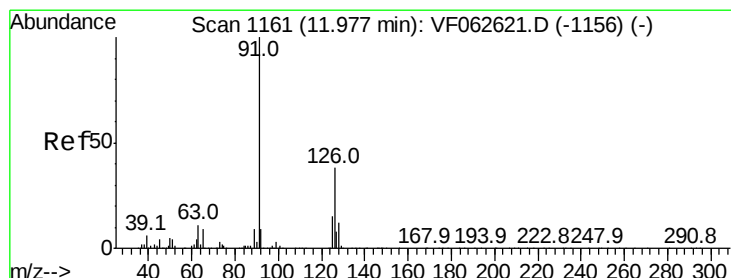
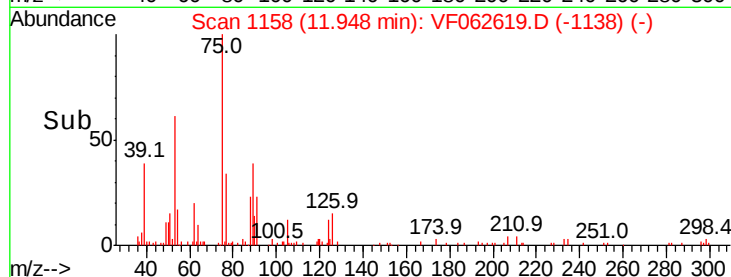
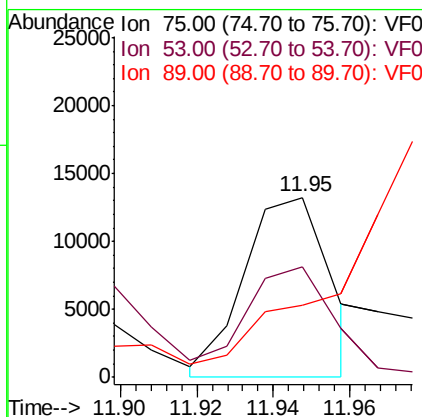
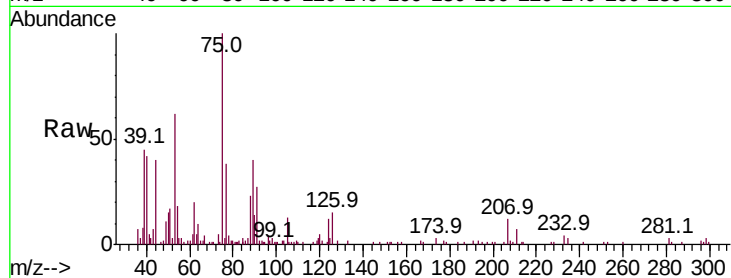
ClientSampleId :

VSTDIC010

Tot Ion:	75	Resp:	20547
Ion Ratio	Lower	Upper	
75	100		
53	61.8	46.9	70.3
89	40.3	36.4	54.6

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#82

4-Chlorotoluene

Concen: 12.625 ug/l

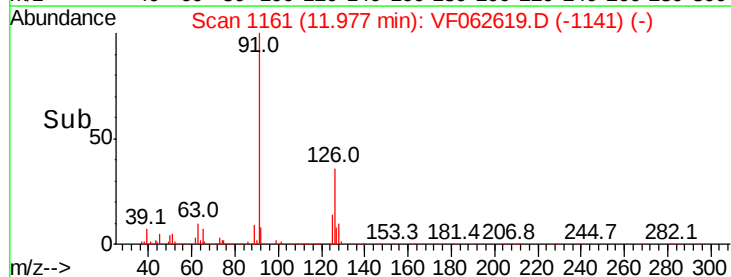
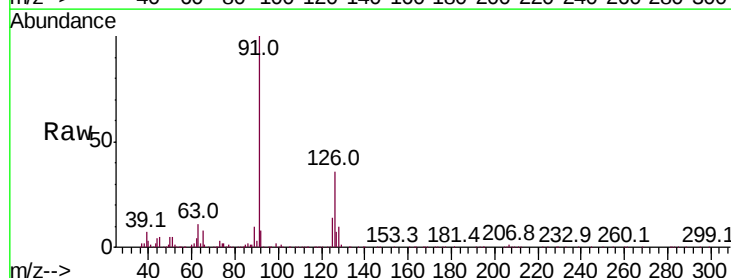
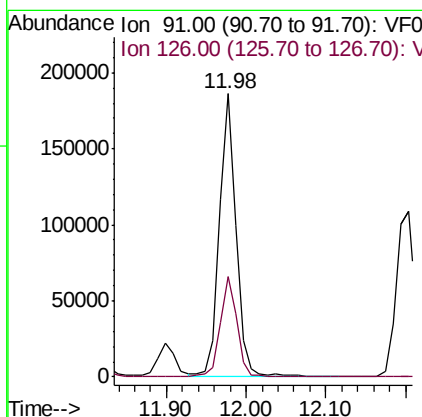
RT: 11.98 min Scan# 1161

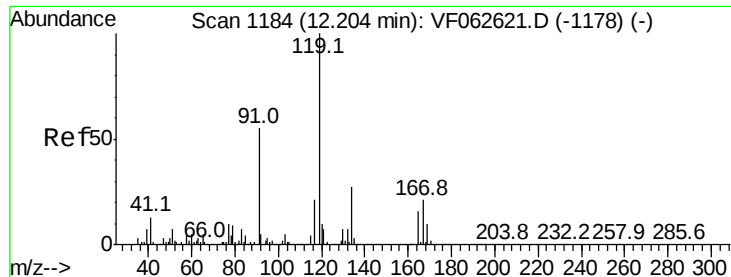
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	91	Resp:	276019
Ion Ratio	Lower	Upper	
91	100		
126	35.6	19.1	57.1





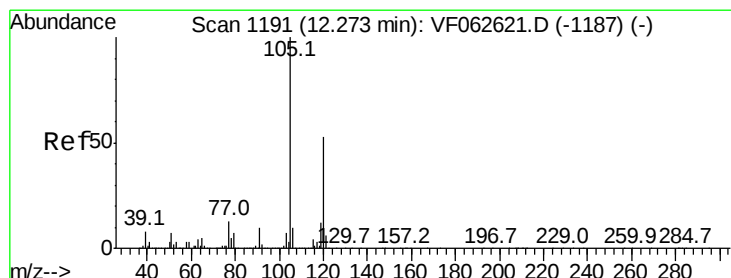
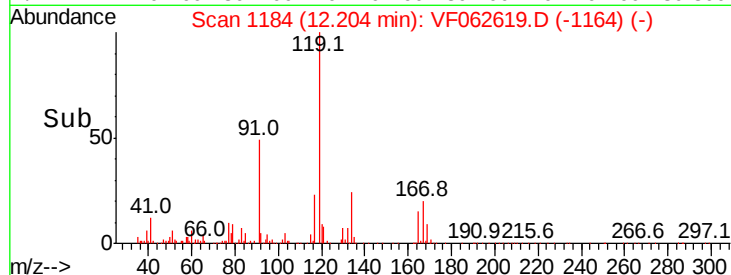
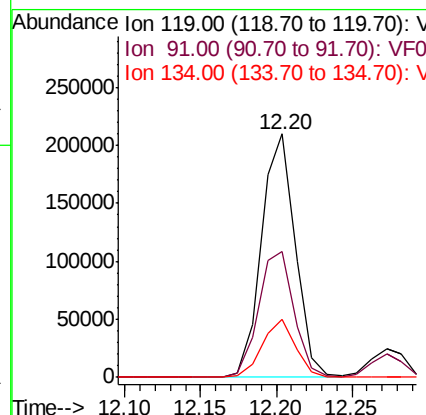
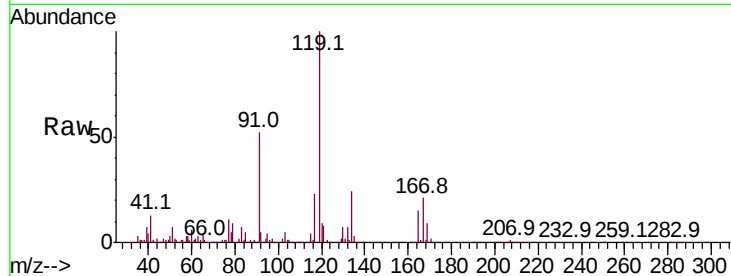
#83
tert-Butylbenzene
Concen: 12.165 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	328960		
91	51.8	27.3	81.9	
134	23.9	13.6	40.7	

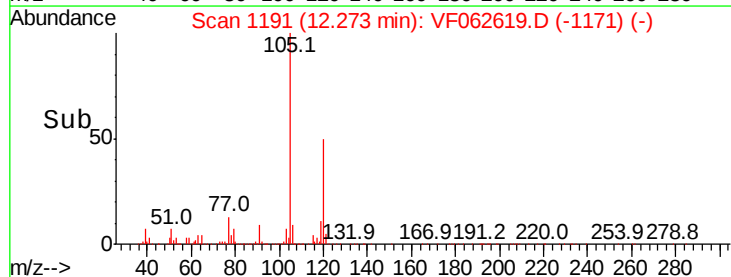
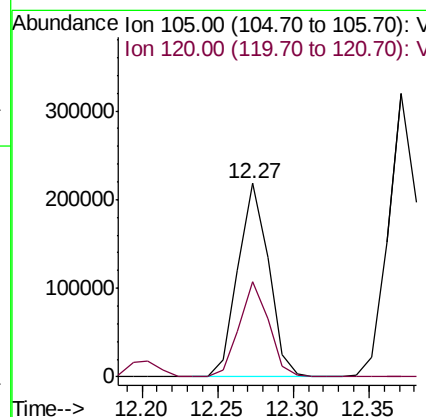
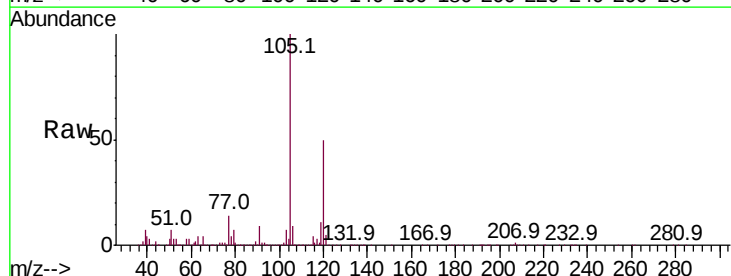
Manual Integrations
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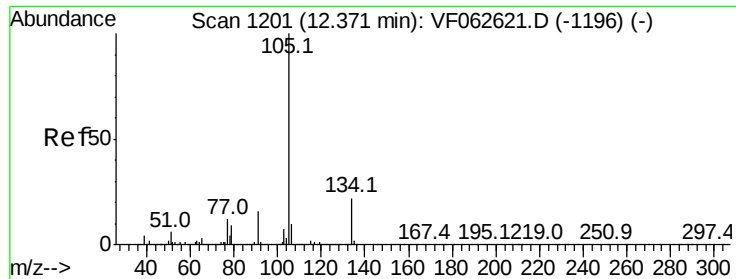
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 12.005 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	309692		
120	49.6	26.7	80.1	





#85

sec-Butylbenzene

Concen: 12.176 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 441892

Ion Ratio Lower Upper

105 100

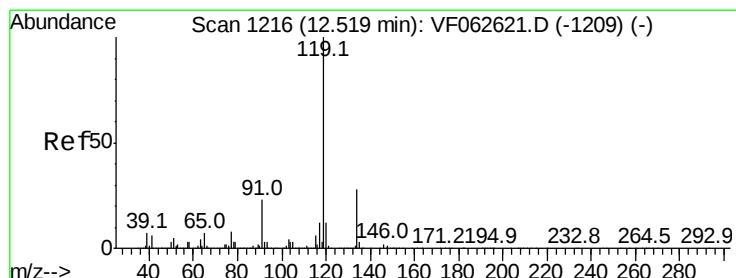
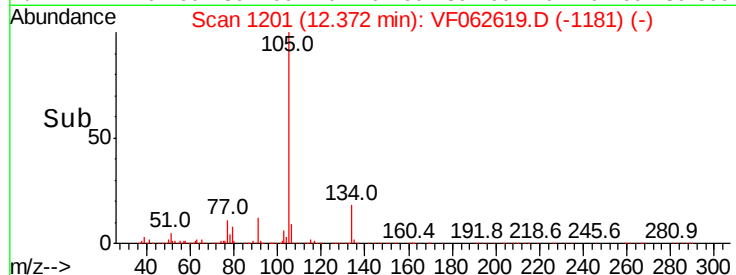
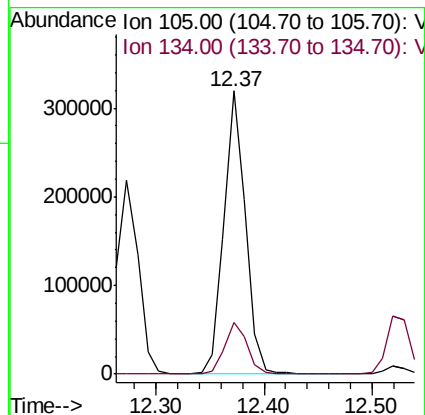
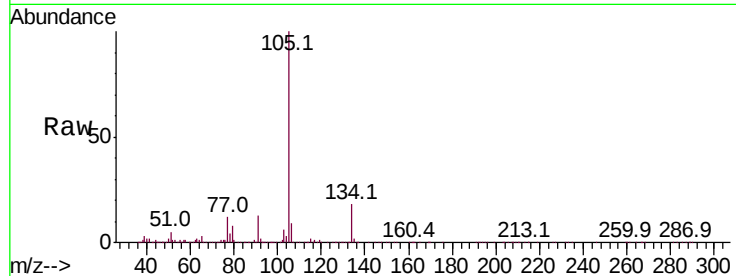
134 18.4 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 12.190 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

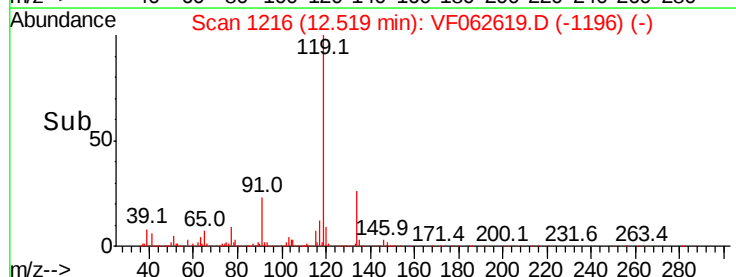
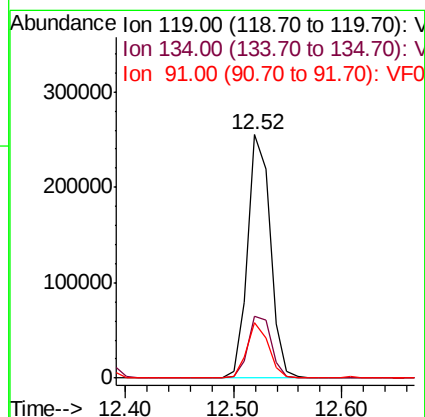
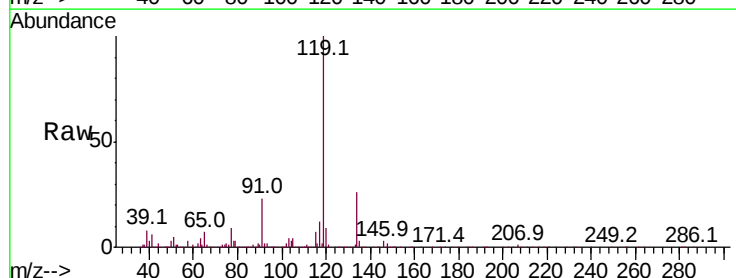
Tgt Ion:119 Resp: 372816

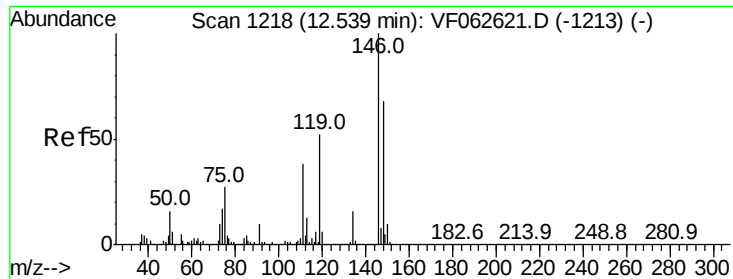
Ion Ratio Lower Upper

119 100

134 25.5 14.1 42.3

91 22.7 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 12.398 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. 0.00 min

Lab File: VF062619.D

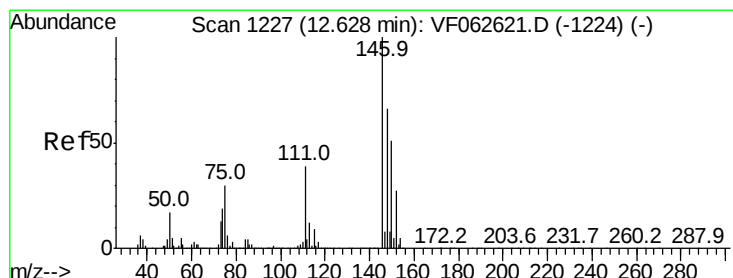
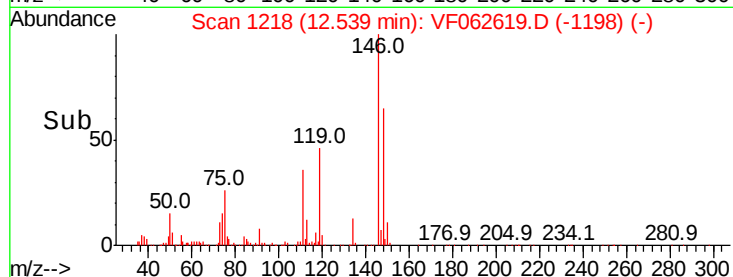
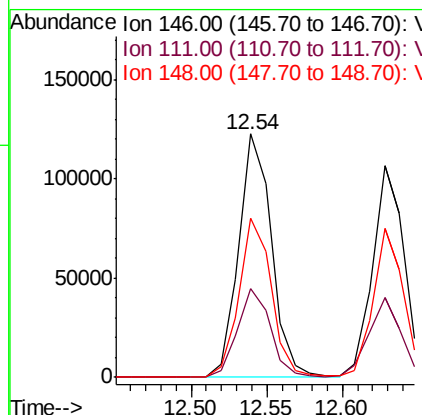
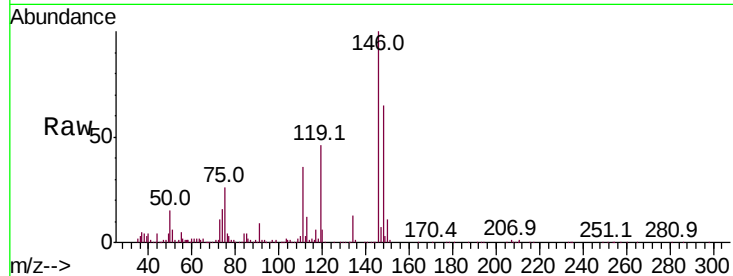
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.9	56.9
148	65.3	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 11.362 ug/l

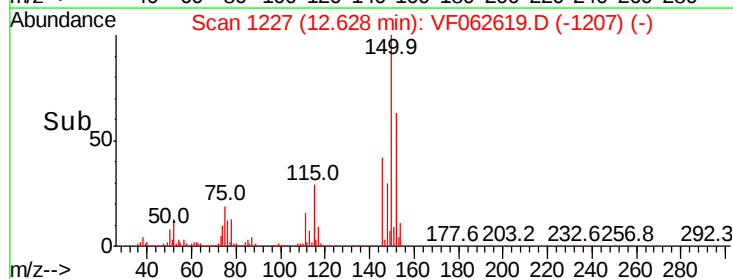
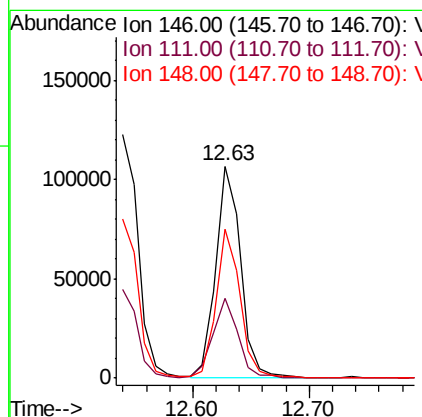
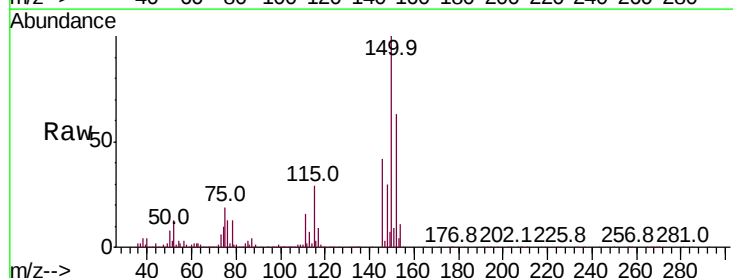
RT: 12.63 min Scan# 1227

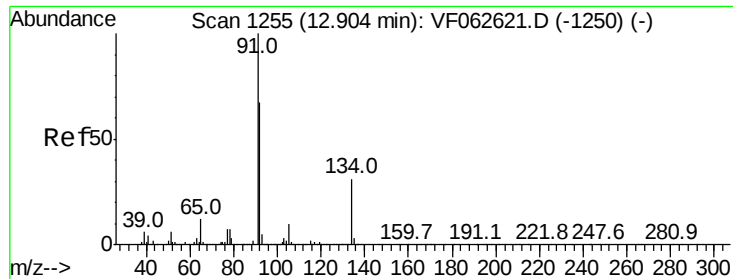
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.4	58.2
148	70.4	33.2	99.6





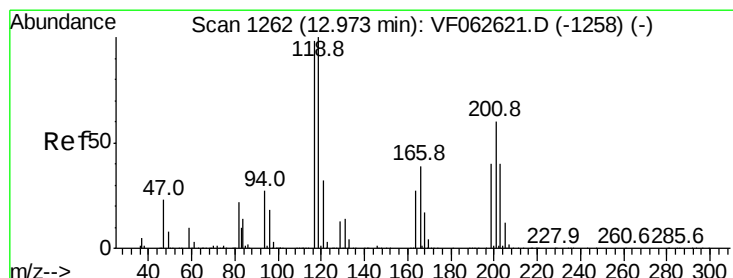
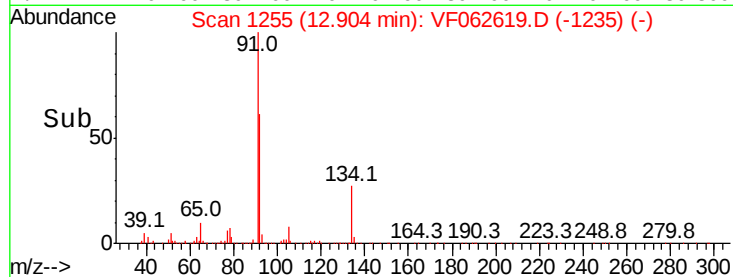
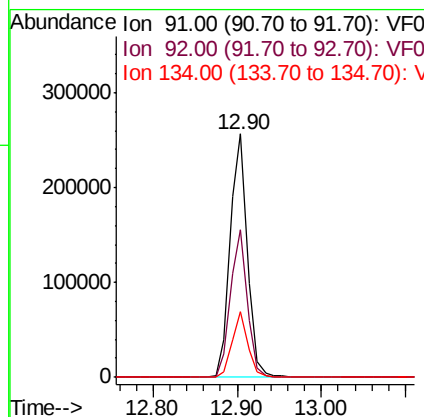
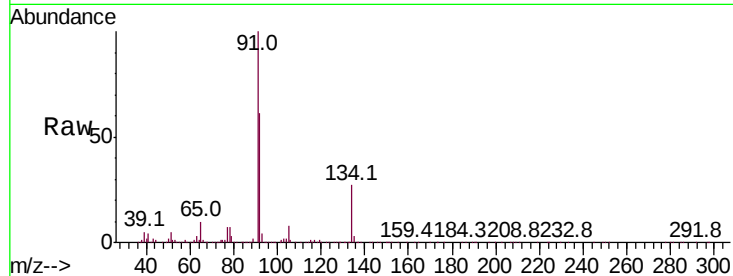
#89
n-Butylbenzene
Concen: 11.954 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.6	33.3	99.8
134	26.7	15.4	46.4

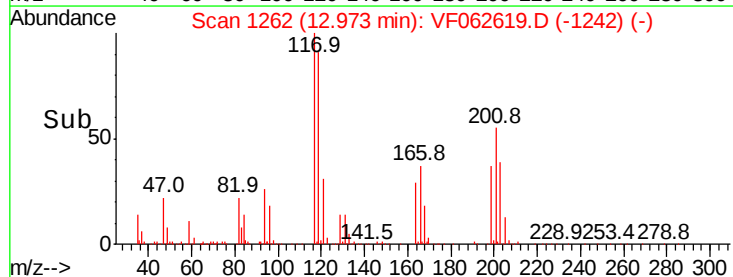
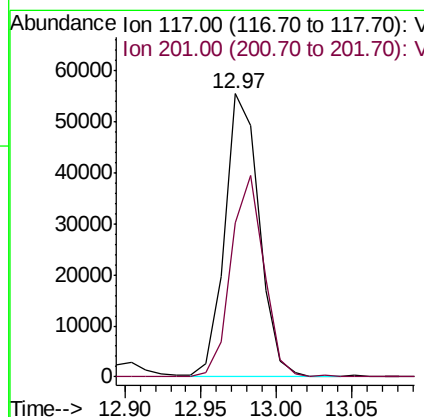
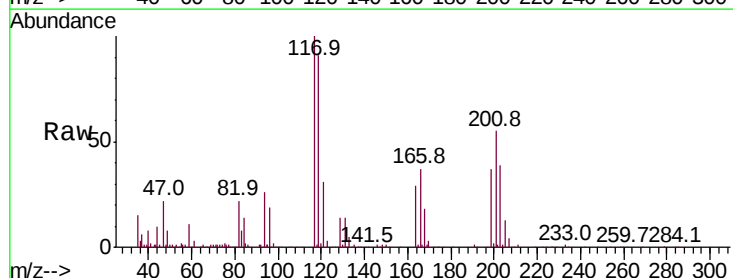
Manual Integrations
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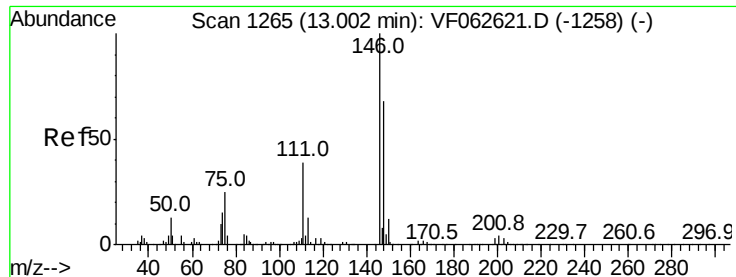
MMDadoda
5/17/2019 4:20:00 PM



#90
Hexachloroethane
Concen: 11.907 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Lower	Upper
117	100		
201	54.6	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 11.938 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Instrument :

MSVOA_F

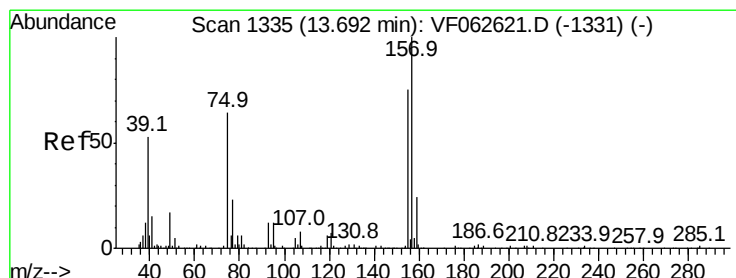
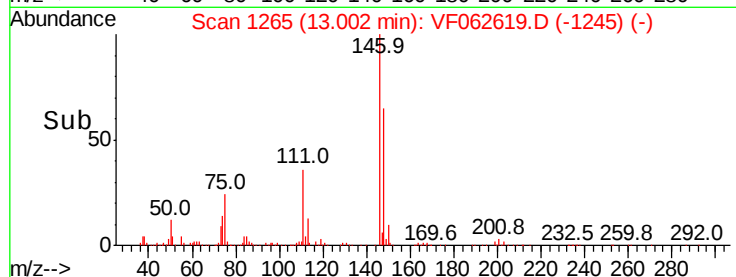
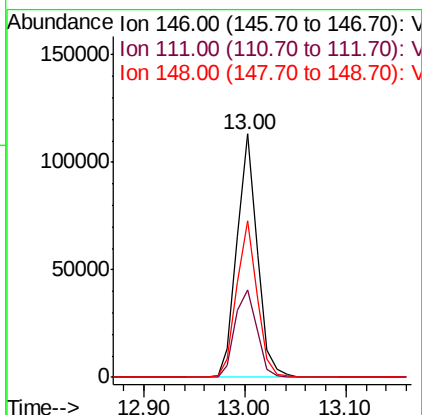
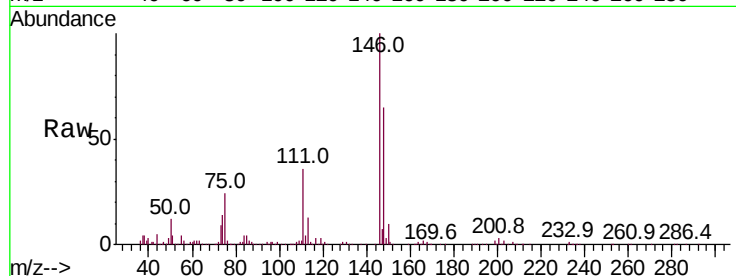
ClientSampled :

VSTDIC010

Tot Ion:	146	Resp:	159071
Ion Ratio	Lower	Upper	
146	100		
111	35.8	19.8	59.3
148	64.5	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 10.596 ug/l

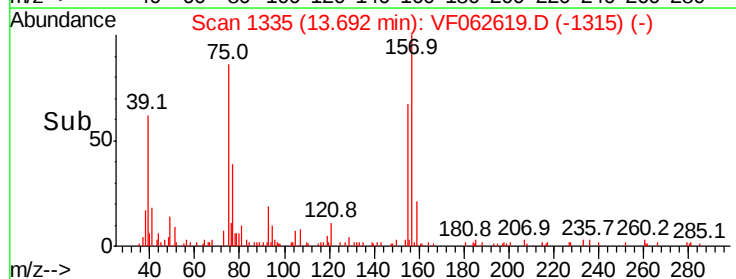
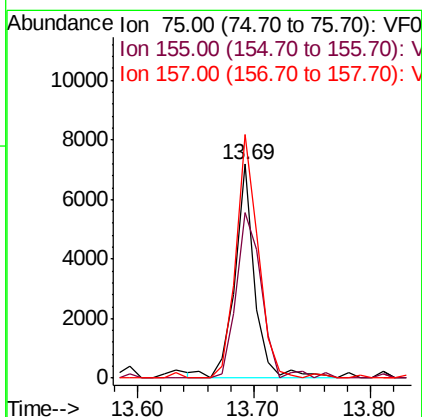
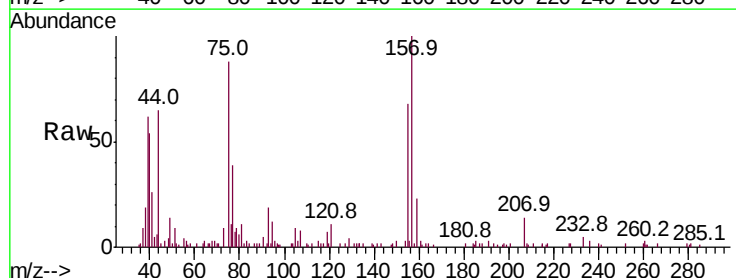
RT: 13.69 min Scan# 1335

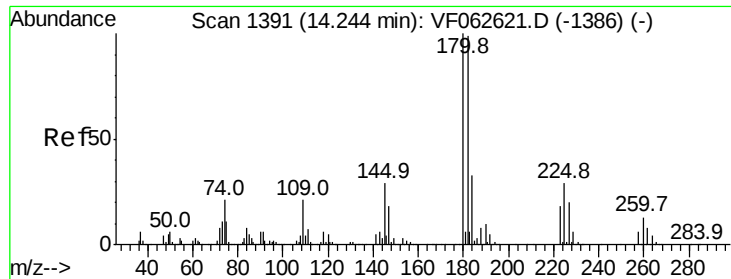
Delta R.T. 0.00 min

Lab File: VF062619.D

Acq: 16 May 2019 11:04

Tgt Ion:	75	Resp:	8587
Ion Ratio	Lower	Upper	
75	100		
155	77.4	58.1	174.3
157	113.9	77.8	233.4





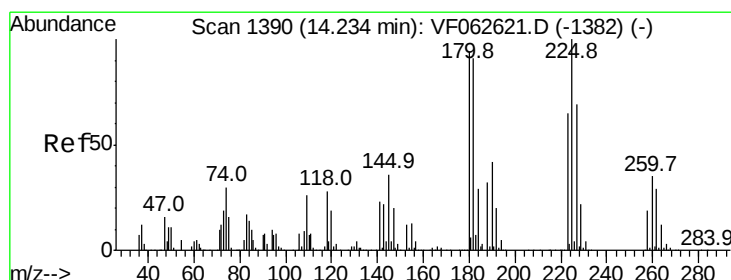
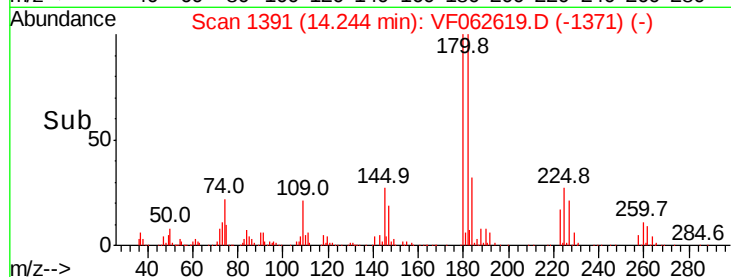
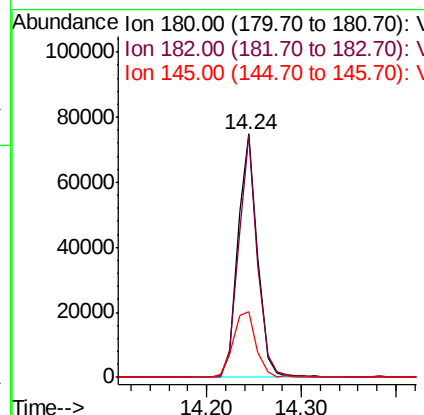
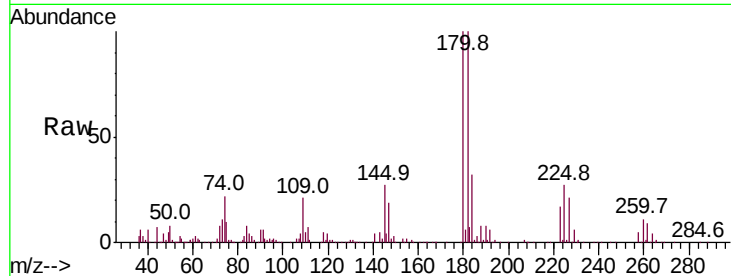
#93
 1,2,4-Trichlorobenzene
 Concen: 11.115 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	106015		
182	99.6	49.7	149.1	
145	26.8	14.6	44.0	

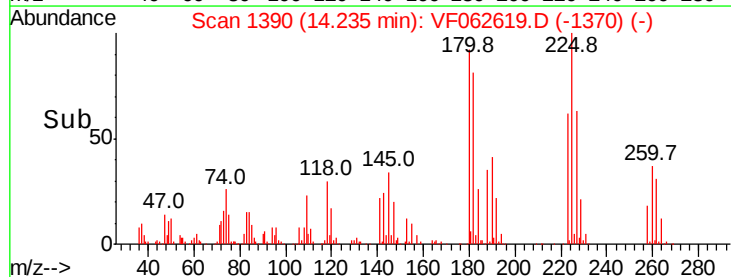
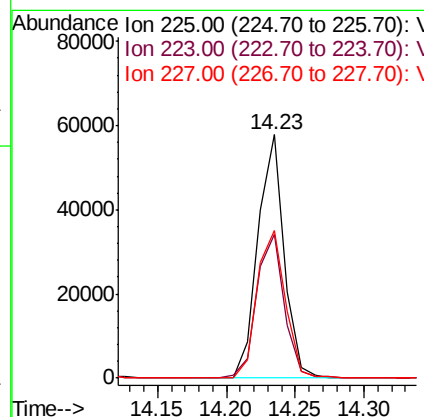
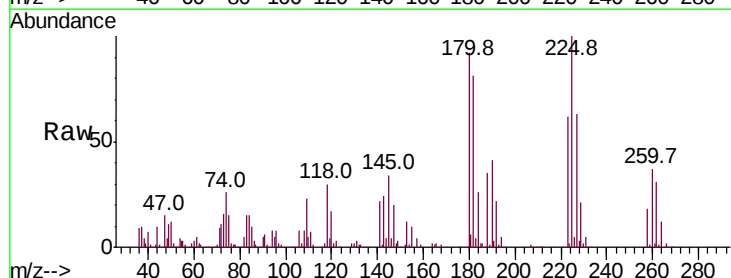
Manual Integrations
 APPROVED

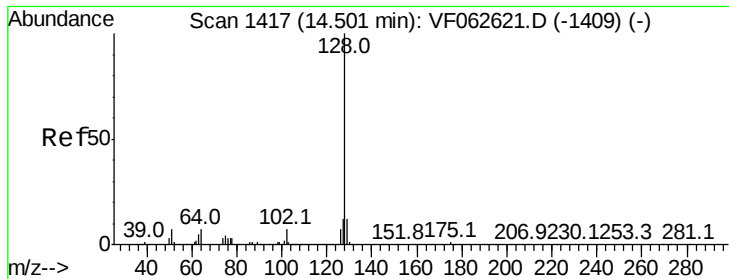
MMDadoda
 5/17/2019 4:20:00 PM



#94
 Hexachlorobutadiene
 Concen: 11.554 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VF062619.D
 Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76910		
223	59.1	32.5	97.4	
227	60.6	34.5	103.5	





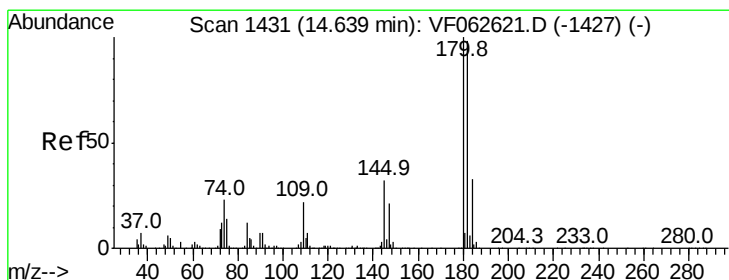
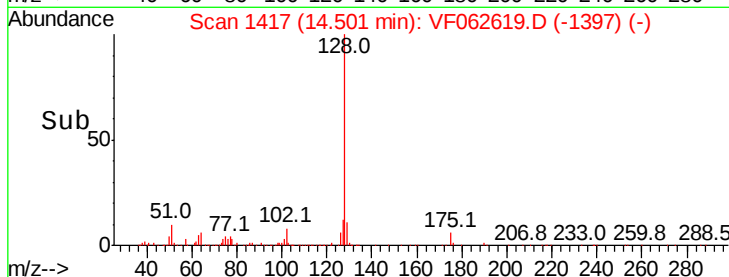
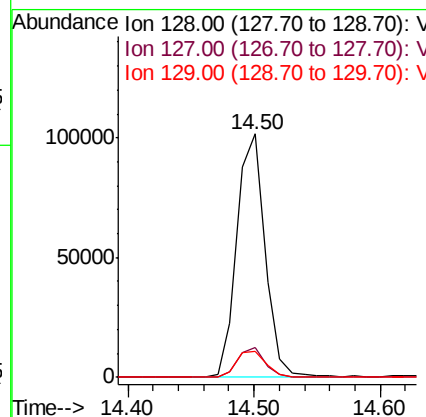
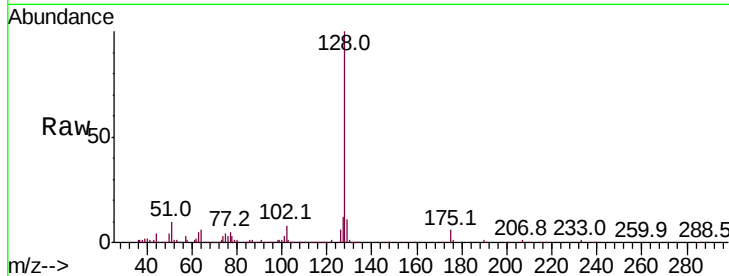
#95
Naphthalene
Concen: 9.059 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	156983		
127	12.5	9.7	14.5	
129	10.8	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:00 PM



#96
1,2,3-Trichlorobenzene
Concen: 10.715 ug/l
RT: 14.64 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VF062619.D
Acq: 16 May 2019 11:04

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	96807		
182	101.6	48.9	146.7	
145	33.8	16.1	48.2	

