

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052319\
 Data File : VF062737.D
 Acq On : 23 May 2019 20:31
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 5/24/2019 11:16:23 AM

Quant Time: May 24 03:31:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F051619S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 05:49:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	801922	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	1280009	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	1001114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	475502	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	234415	41.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.74%	
35) Dibromofluoromethane	4.32	113	428724	43.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.54%	
50) Toluene-d8	7.72	98	1094621	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
62) 4-Bromofluorobenzene	11.50	95	380089	42.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	455680	41.756	ug/l	96
3) Chloromethane	1.15	50	404999	40.305	ug/l	98
4) Vinyl Chloride	1.19	62	400691	43.320	ug/l	99
5) Bromomethane	1.40	94	243876	48.196	ug/l	98
6) Chloroethane	1.45	64	167373	49.270	ug/l	92
7) Trichlorofluoromethane	1.56	101	582569	46.908	ug/l	89
8) Diethyl Ether	1.71	74	120129	48.825	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	350813	44.361	ug/l	98
10) Methyl Iodide	1.99	142	745084	47.962	ug/l	96
11) Tert butyl alcohol	2.70	59	80947	216.363	ug/l #	93
12) 1,1-Dichloroethene	1.88	96	352353	48.912	ug/l	95
13) Acrolein	2.11	56	66987	171.527	ug/l	93
14) Allyl chloride	2.21	41	289735	44.438	ug/l	98
15) Acrylonitrile	3.09	53	199773	189.297	ug/l	98
16) Acetone	2.36	43	304623	207.206	ug/l	94
17) Carbon Disulfide	1.91	76	917029	42.948	ug/l	98
18) Methyl Acetate	2.47	43	93399	40.428	ug/l	91
19) Methyl tert-butyl Ether	2.55	73	603634	46.873	ug/l	99
20) Methylene Chloride	2.35	84	336657m	45.686	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	342921	48.702	ug/l	88
22) Diisopropyl ether	2.95	45	780287	48.524	ug/l	99
23) Vinyl Acetate	3.35	43	2513547	231.716	ug/l	99
24) 1,1-Dichloroethane	3.03	63	558655	47.357	ug/l	98
25) 2-Butanone	4.53	43	706337	224.880	ug/l	100
26) 2,2-Dichloropropane	3.78	77	315303	46.714	ug/l	89
27) cis-1,2-Dichloroethene	3.66	96	597887	51.621	ug/l	94
28) Bromochloromethane	3.91	49	268454	40.576	ug/l	95
29) Tetrahydrofuran	4.28	42	280868	220.976	ug/l	95
30) Chloroform	4.06	83	827640	50.532	ug/l	99
31) Cyclohexane	3.89	56	752857	47.530	ug/l	98
32) 1,1,1-Trichloroethane	4.30	97	531294	48.844	ug/l	99
36) 1,1-Dichloropropene	4.48	75	627790	47.864	ug/l	98
37) Ethyl Acetate	4.32	43	240167	44.846	ug/l #	80
38) Carbon Tetrachloride	4.20	117	484985	49.165	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	860658	54.534	ug/l	98
40) Benzene	4.83	78	1896547	53.077	ug/l	98
41) Methacrylonitrile	4.95	41	136371	48.571	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	360574	50.603	ug/l	97
43) Isopropyl Acetate	7.13	43	321955	46.404	ug/l #	94
44) Trichloroethene	5.70	130	539269	53.698	ug/l	94
45) 1,2-Dichloropropane	6.42	63	471224	52.242	ug/l	99
46) Dibromomethane	6.28	93	274541	52.666	ug/l	95
47) Bromodichloromethane	6.56	83	562625	51.989	ug/l	98
48) Methyl methacrylate	6.89	41	188314	51.929	ug/l	96
49) 1,4-Dioxane	6.89	88	46933	1010.471	ug/l #	92
51) 4-Methyl-2-Pentanone	8.41	43	1167852	246.257	ug/l	100
52) Toluene	7.79	92	1029831	54.955	ug/l	98
53) t-1,3-Dichloropropene	8.44	75	476171	53.782	ug/l	93
54) cis-1,3-Dichloropropene	7.47	75	667895	53.890	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	298940	53.878	ug/l	96
56) Ethyl methacrylate	8.76	69	343329	51.938	ug/l	96
57) 1,3-Dichloropropane	9.01	76	516683	54.671	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.46	63	571228	265.481	ug/l	99
59) 2-Hexanone	9.63	43	796651	258.823	ug/l	99
60) Dibromochloromethane	8.87	129	405117	56.021	ug/l	100
61) 1,2-Dibromoethane	9.15	107	334984	56.841	ug/l	99
64) Tetrachloroethene	8.32	164	413739	52.167	ug/l	97
65) Chlorobenzene	9.95	112	1070774	54.457	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	409815	51.917	ug/l	95
67) Ethyl Benzene	10.04	91	1837107	53.782	ug/l	98
68) m/p-Xylenes	10.27	106	1386167	107.971	ug/l	98
69) o-Xylene	10.82	106	715613	54.116	ug/l	98
70) Styrene	10.90	104	1081472	53.807	ug/l	98
71) Bromoform	10.88	173	215583	54.531	ug/l #	98
73) Isopropylbenzene	11.22	105	1843782	54.102	ug/l	98
74) N-amyl acetate	11.45	43	488135	57.055	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	358305	51.446	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	235428	51.446	ug/l	94
77) Bromobenzene	11.58	156	455107	53.724	ug/l	94
78) n-propylbenzene	11.68	91	2084147	51.674	ug/l	100
79) 2-Chlorotoluene	11.80	91	1208611	53.172	ug/l	95
80) 1,3,5-Trimethylbenzene	11.90	105	1482428	54.248	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	111741m	54.932	ug/l	
82) 4-Chlorotoluene	11.98	91	1256687	56.065	ug/l	98
83) tert-Butylbenzene	12.20	119	1517427	54.732	ug/l	100
84) 1,2,4-Trimethylbenzene	12.27	105	1434350	54.231	ug/l	100
85) sec-Butylbenzene	12.37	105	1984816	53.345	ug/l	97
86) p-Isopropyltoluene	12.53	119	1633154	52.084	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	790488	51.578	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	742354	51.615	ug/l	99
89) n-Butylbenzene	12.90	91	1565588	50.640	ug/l	99
90) Hexachloroethane	12.98	117	406803	54.082	ug/l	76
91) 1,2-Dichlorobenzene	13.00	146	699032	51.167	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	42447	51.088	ug/l	75

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	493856	50.502	ug/l	98
94) Hexachlorobutadiene	14.23	225	353367	51.779	ug/l	97
95) Naphthalene	14.50	128	840324	47.301	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	450180	48.601	ug/l	97

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

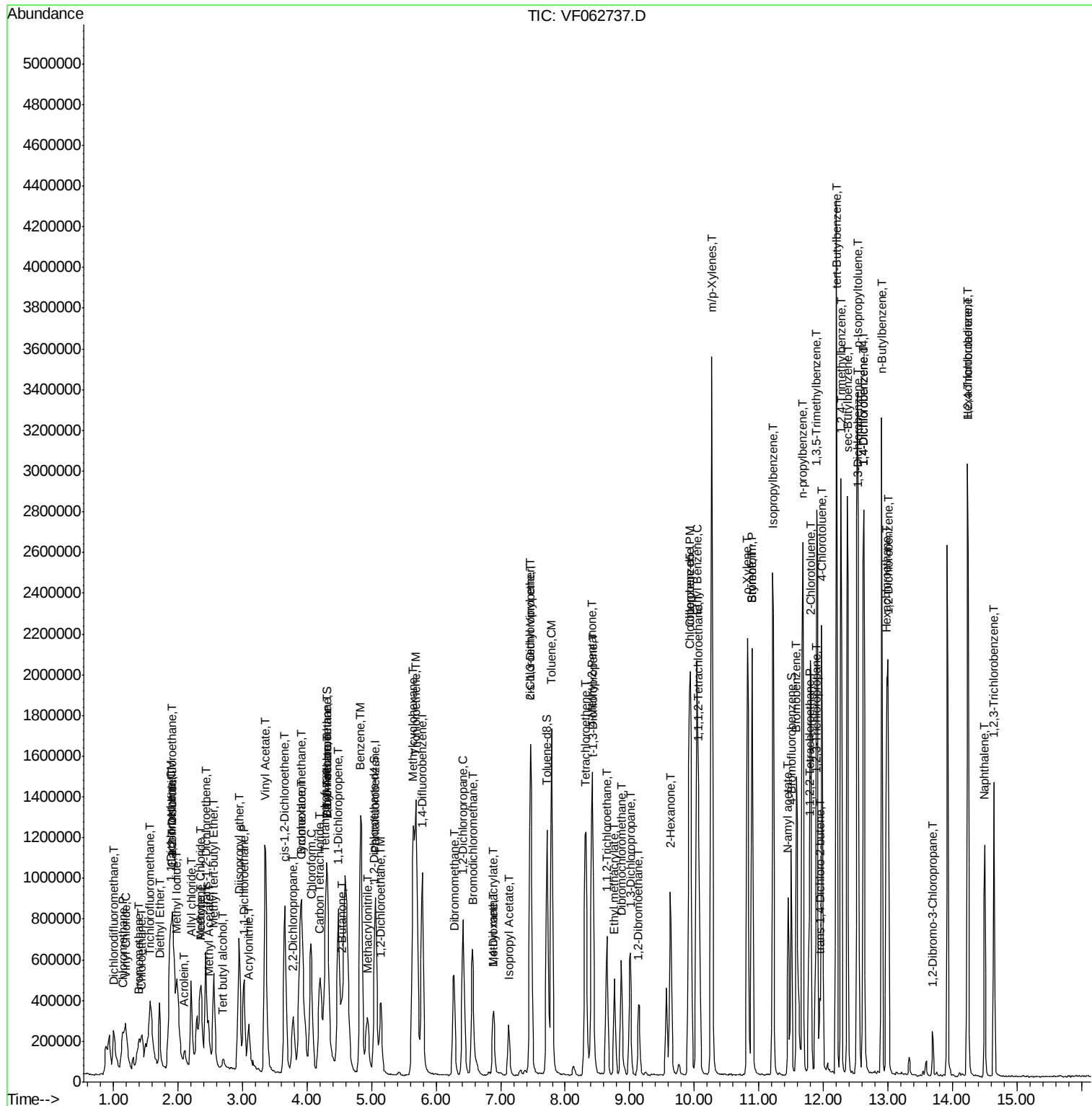
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF052319\
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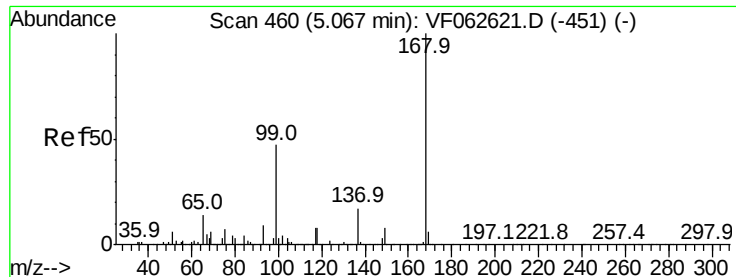
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 801922

Ion Ratio Lower Upper

168 100

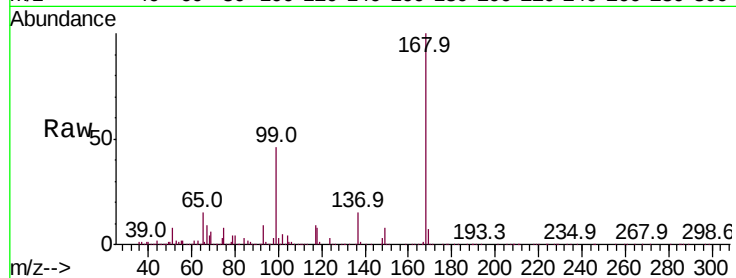
99 46.3 37.8 56.8

Manual Integrations

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5/24/2019 11:16:23 AM



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.07

300000

250000

200000

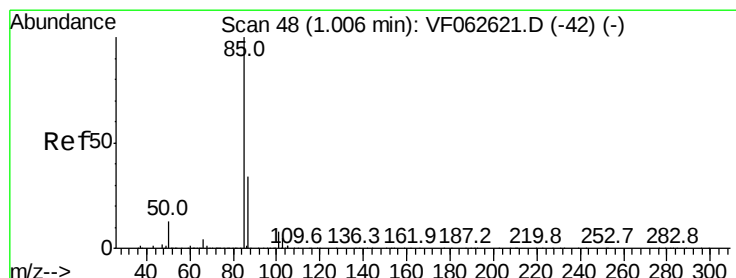
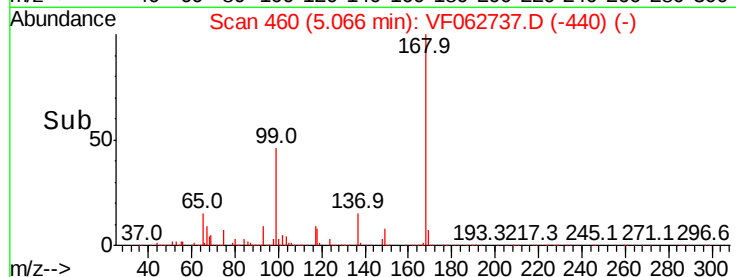
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.756 ug/l

RT: 1.00 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062737.D

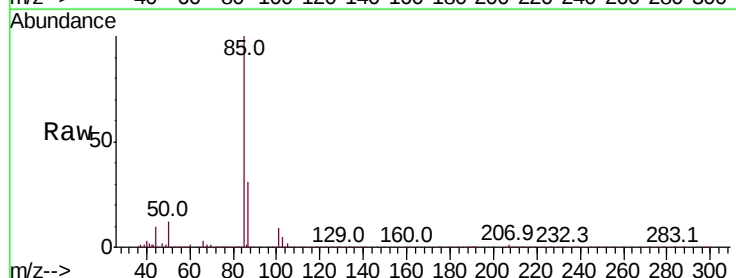
Acq: 23 May 2019 20:31

Tgt Ion: 85 Resp: 455680

Ion Ratio Lower Upper

85 100

87 31.0 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

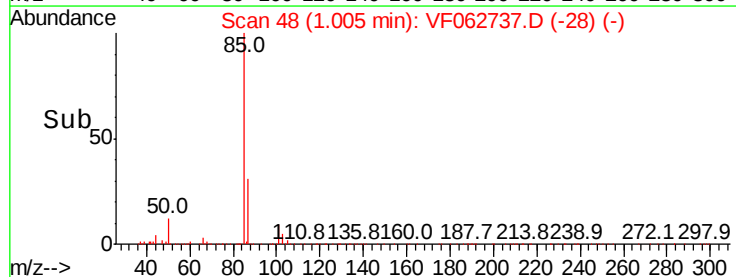
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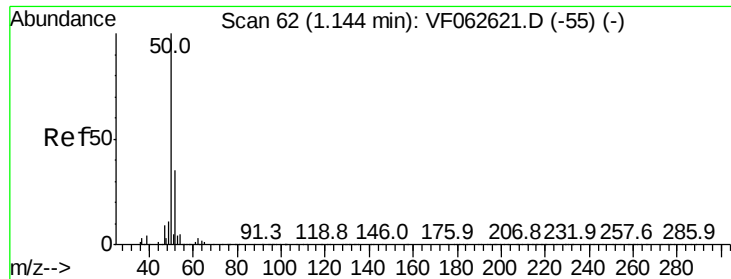
100000

50000

0

Time-->





#3

Chloromethane

Concen: 40.305 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 404999

Ion Ratio Lower Upper

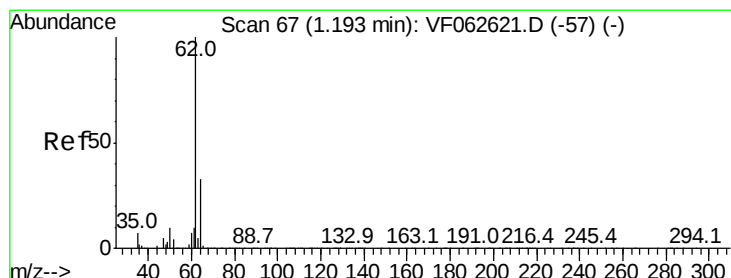
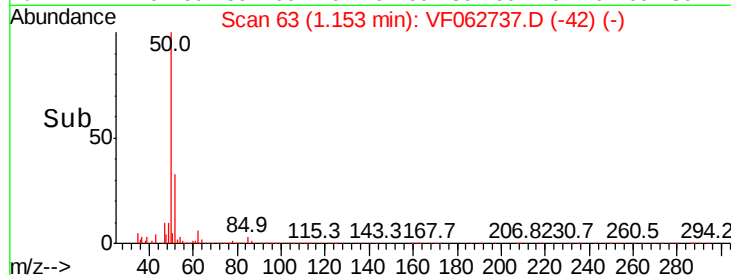
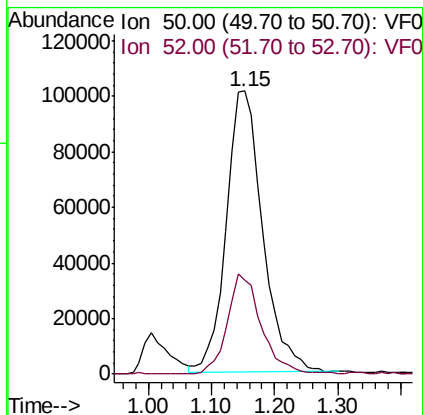
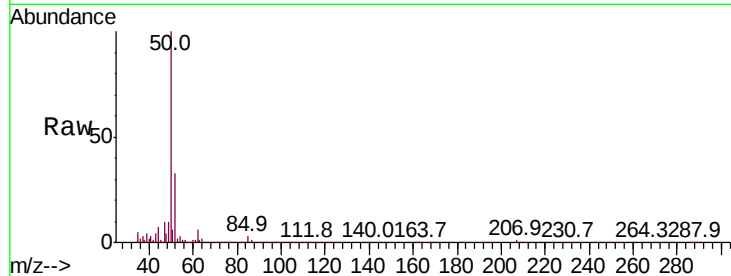
50 100

52 33.2 27.5 41.3

Manual Integrations
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5/24/2019 11:16:23 AM



#4

Vinyl Chloride

Concen: 43.320 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062737.D

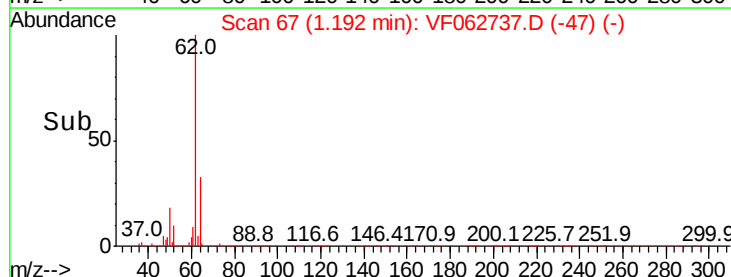
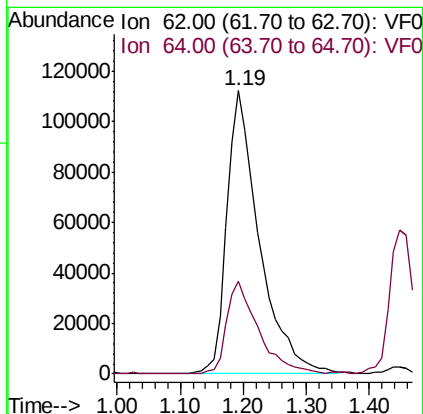
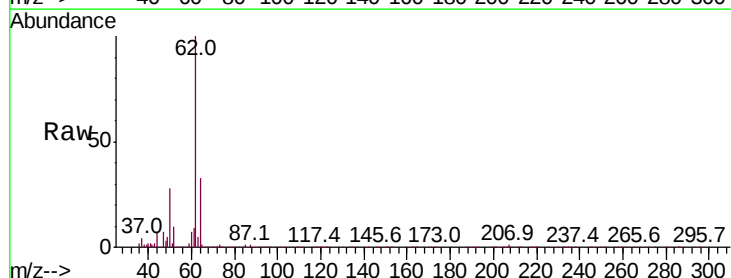
Acq: 23 May 2019 20:31

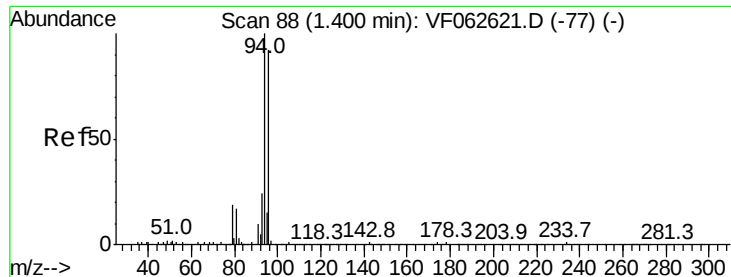
Tgt Ion: 62 Resp: 400691

Ion Ratio Lower Upper

62 100

64 32.9 26.7 40.1





#5

Bromomethane

Concen: 48.196 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

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Tot Ion: 94 Resp: 243876

Ion Ratio Lower Upper

94 100

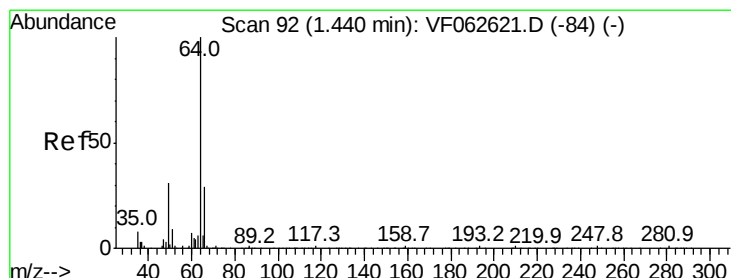
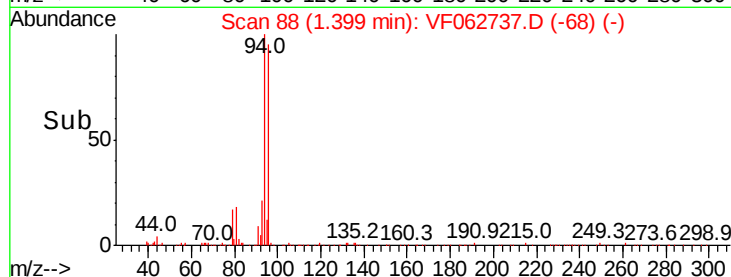
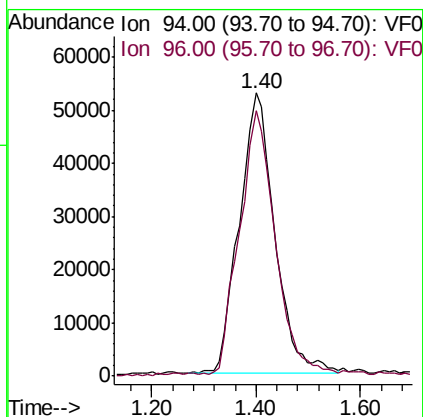
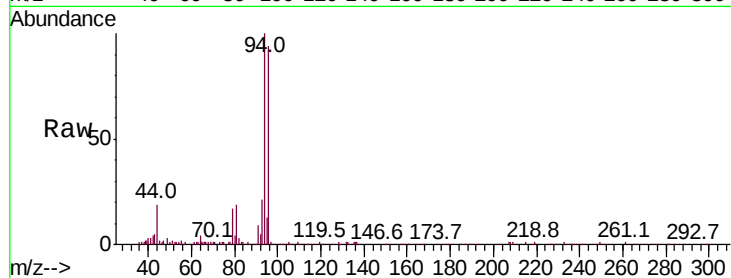
96 93.7 73.2 109.8

Manual Integrations

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5/24/2019 11:16:23 AM



#6

Chloroethane

Concen: 49.270 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062737.D

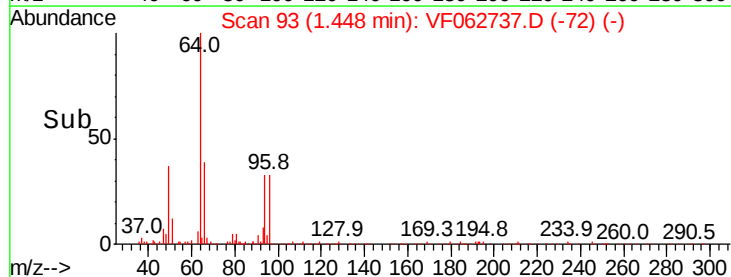
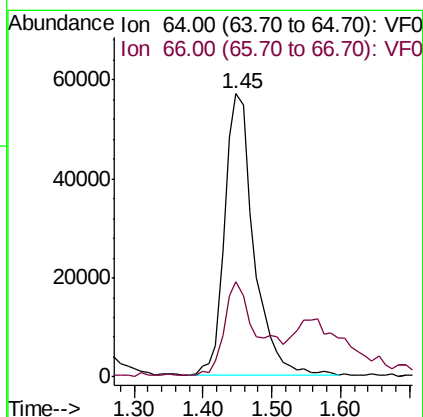
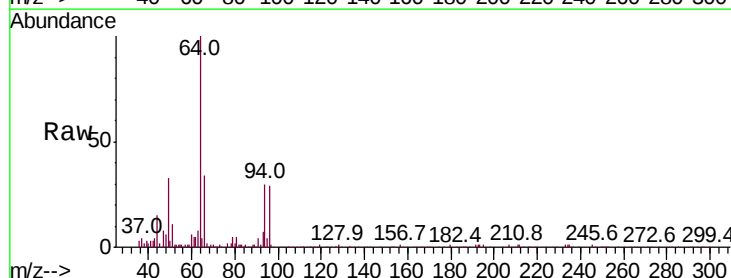
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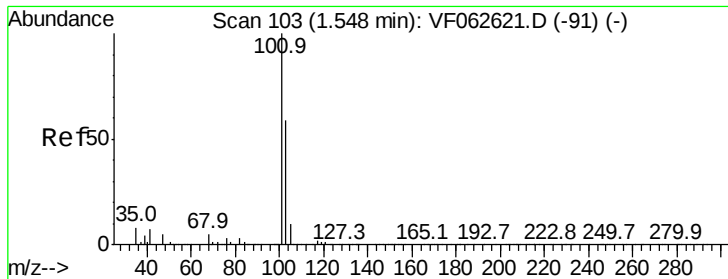
Tgt Ion: 64 Resp: 167373

Ion Ratio Lower Upper

64 100

66 33.6 23.4 35.2





#7

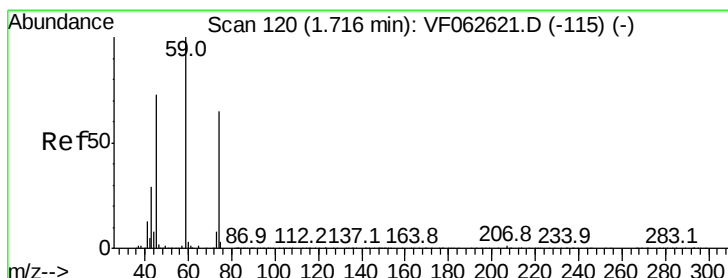
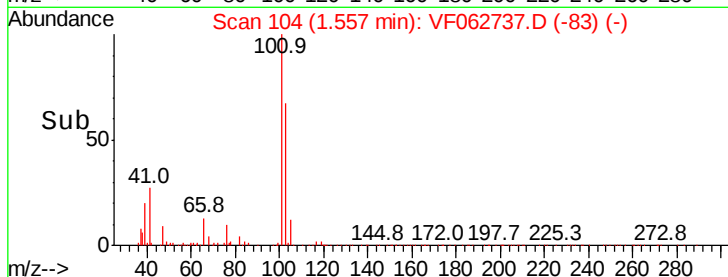
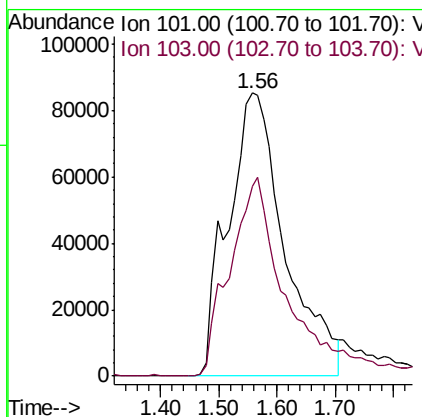
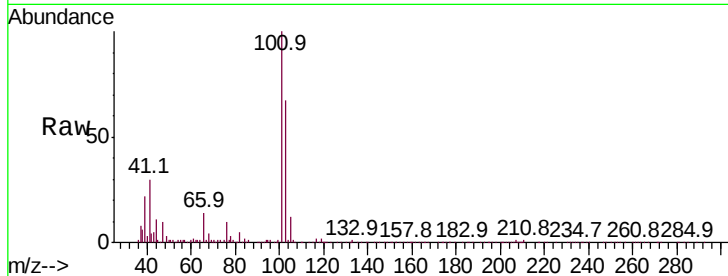
Trichlorofluoromethane
Concen: 46.908 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	47.3	70.9

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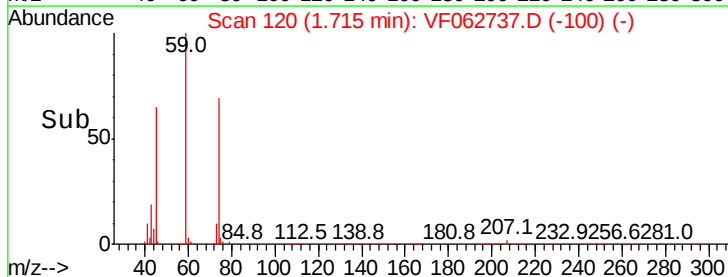
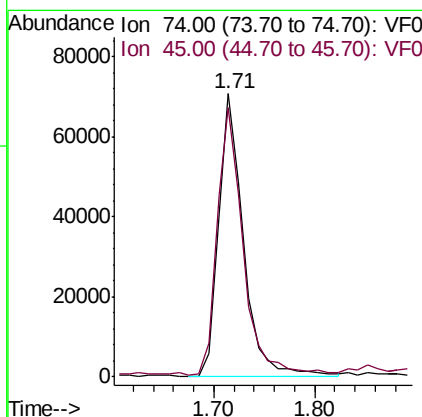
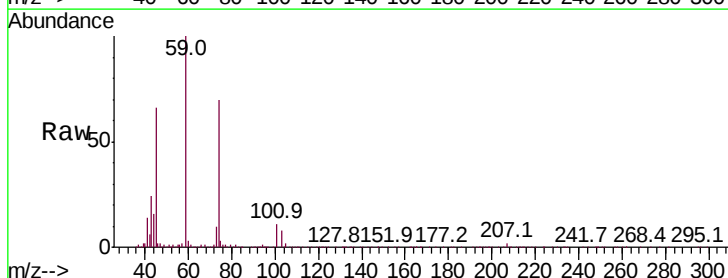
MMDadoda
5/24/2019 11:16:23 AM

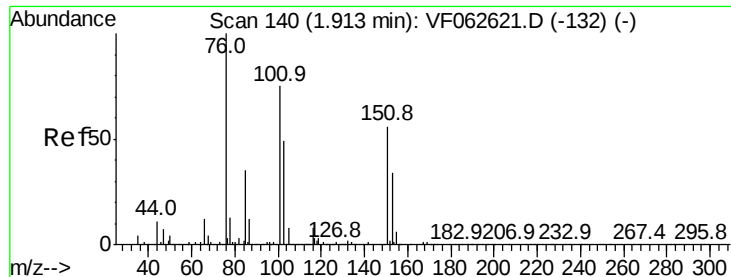


#8

Diethyl Ether
Concen: 48.825 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.1	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.361 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

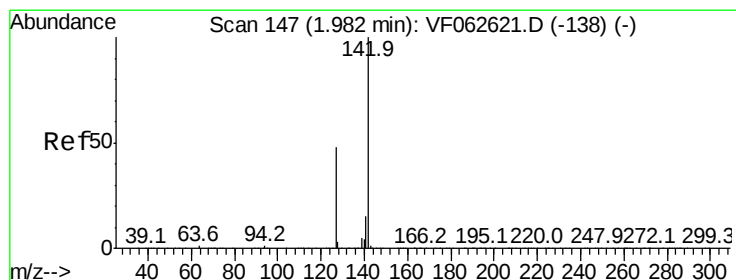
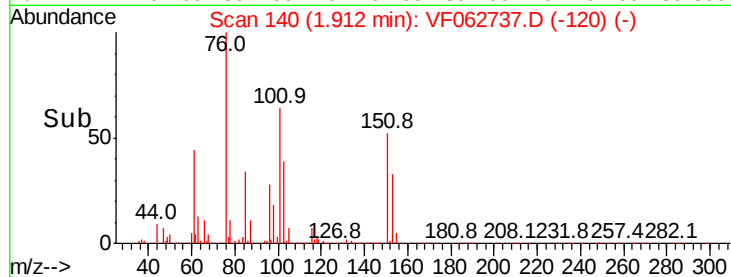
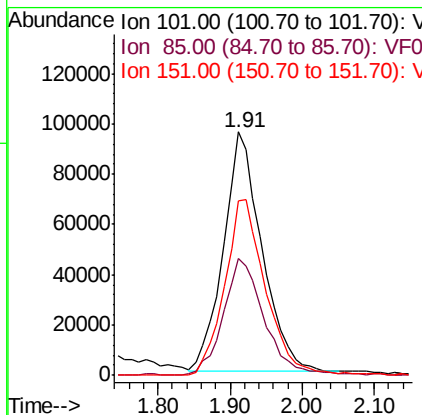
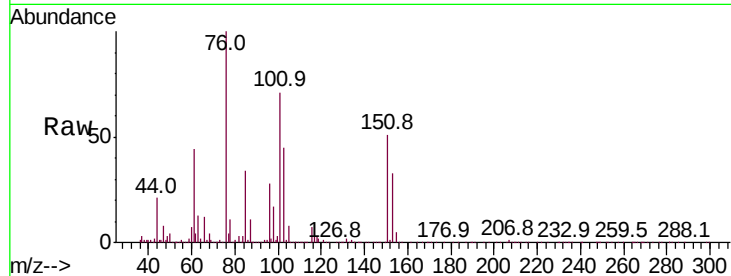
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	350813
Ion Ratio	Lower	Upper	
101	100		
85	48.2	37.1	55.7
151	71.9	58.8	88.2

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#10

Methyl Iodide

Concen: 47.962 ug/l

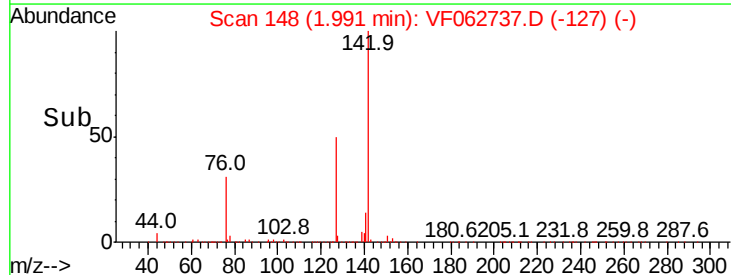
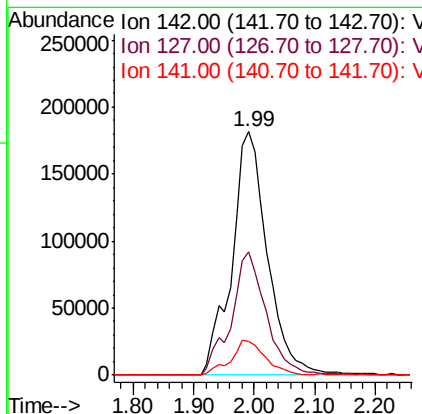
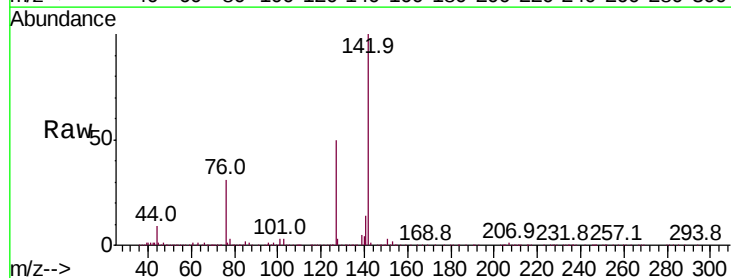
RT: 1.99 min Scan# 148

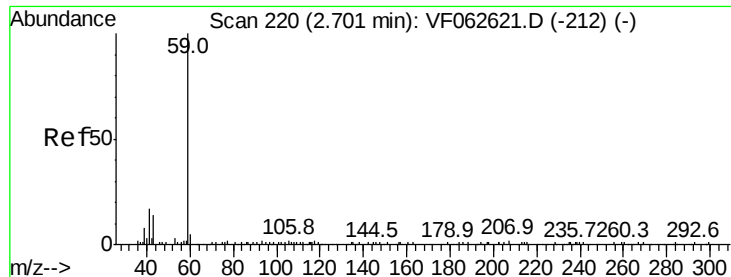
Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	142	Resp:	745084
Ion Ratio	Lower	Upper	
142	100		
127	50.4	38.1	57.1
141	13.9	11.7	17.5





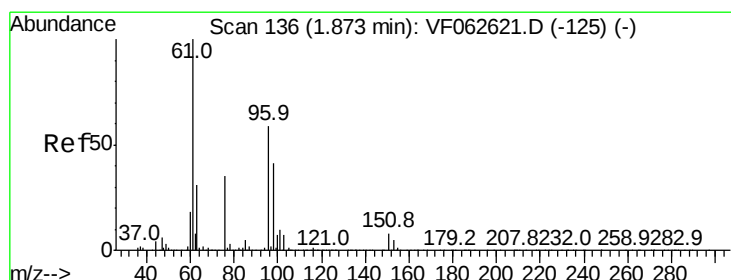
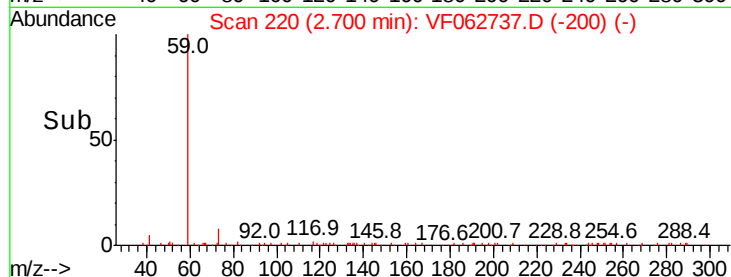
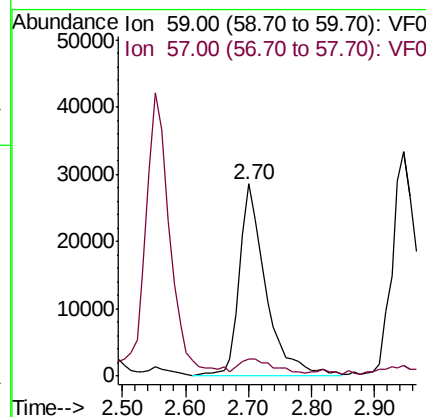
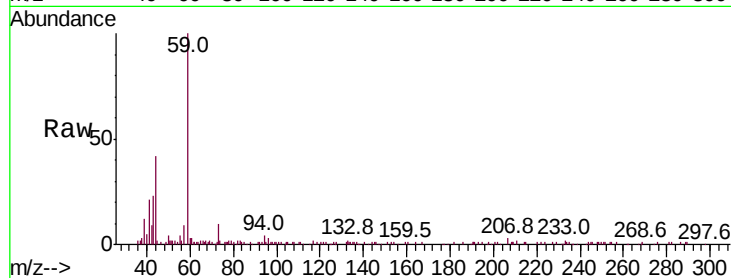
#11
Tert butyl alcohol
Concen: 216.363 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.9	9.3	13.9#

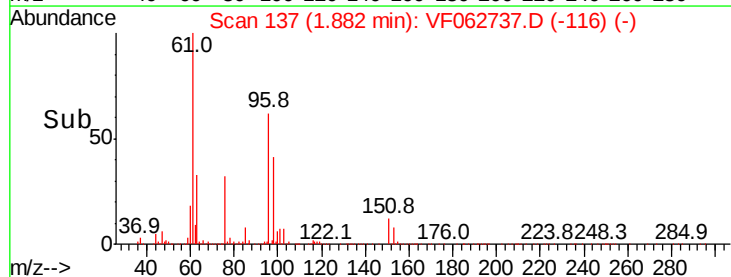
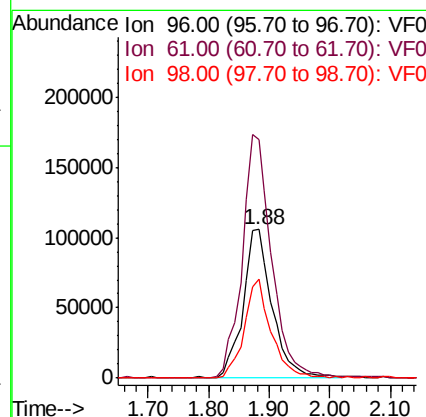
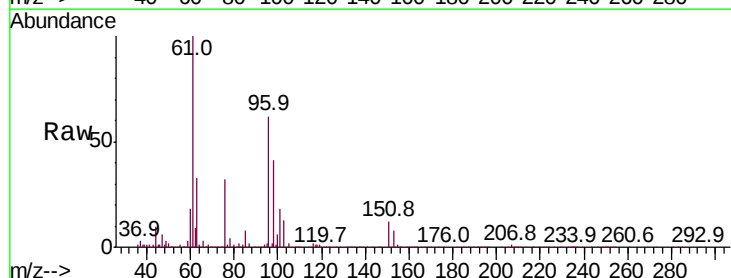
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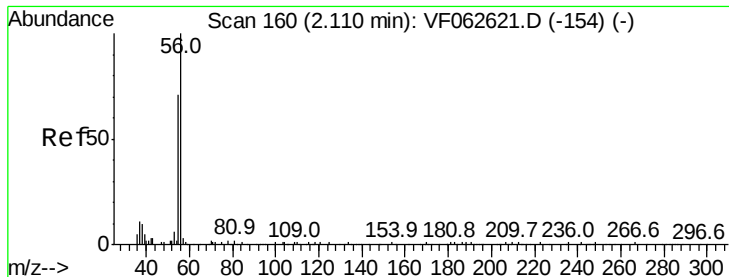
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.912 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	134.3	201.5
98	66.2	55.0	82.6





#13

Acrolein

Concen: 171.527 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 66987

Ion Ratio Lower Upper

56 100

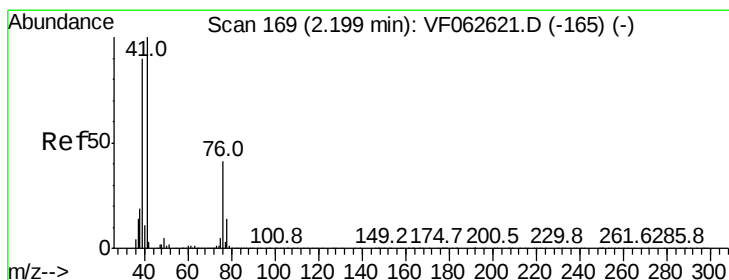
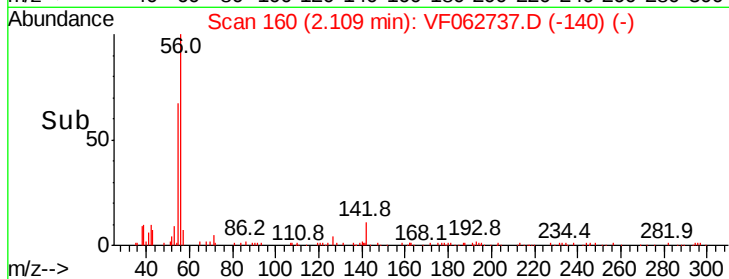
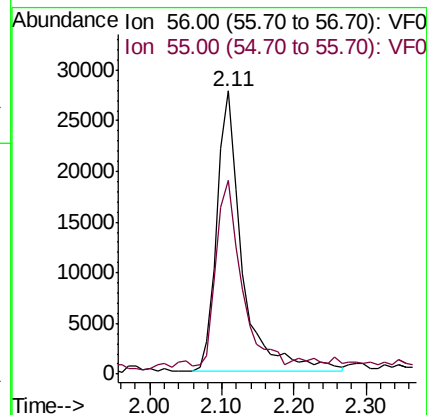
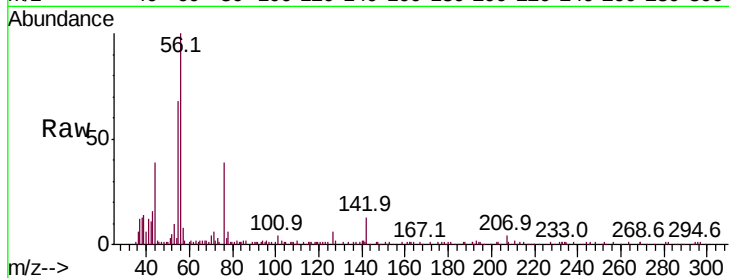
55 68.4 59.4 89.0

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#14

Allyl chloride

Concen: 44.438 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

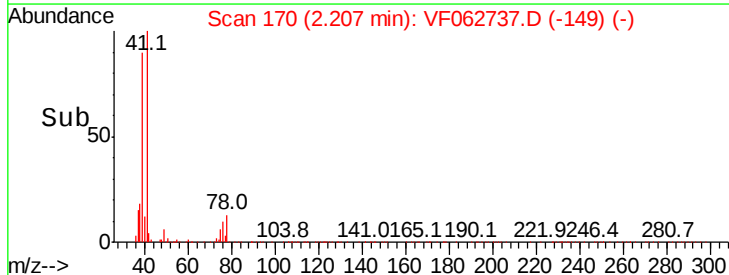
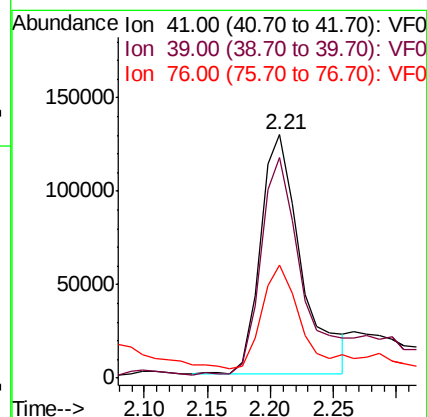
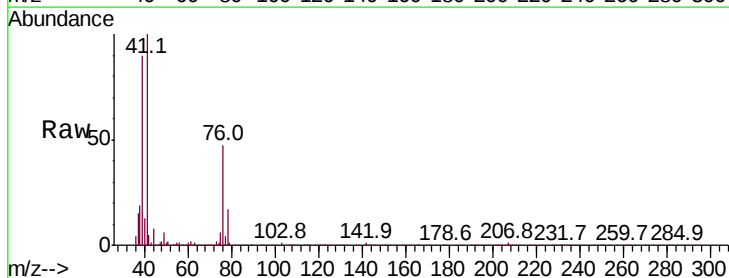
Tgt Ion: 41 Resp: 289735

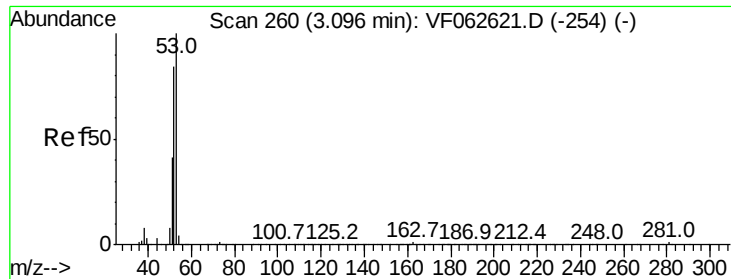
Ion Ratio Lower Upper

41 100

39 90.4 72.0 108.0

76 46.7 34.8 52.2





#15

Acrylonitrile

Concen: 189.297 ug/l

RT: 3.09 min Scan# 260

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

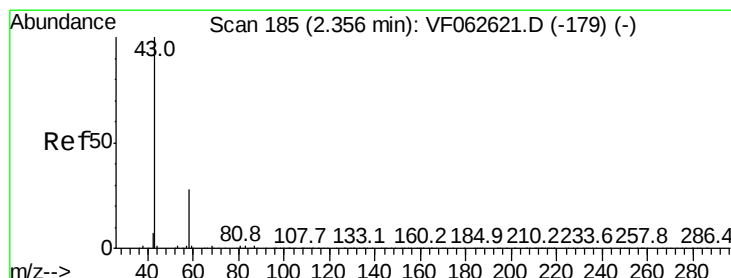
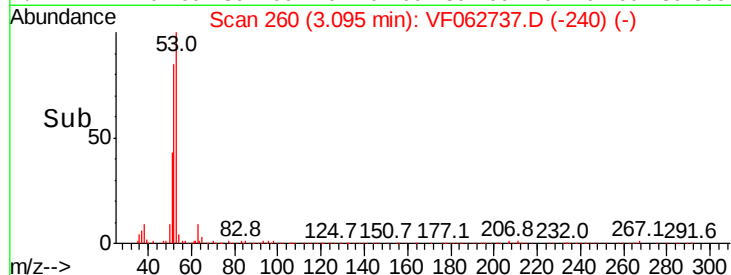
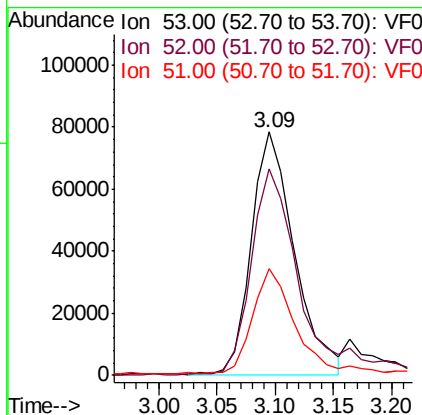
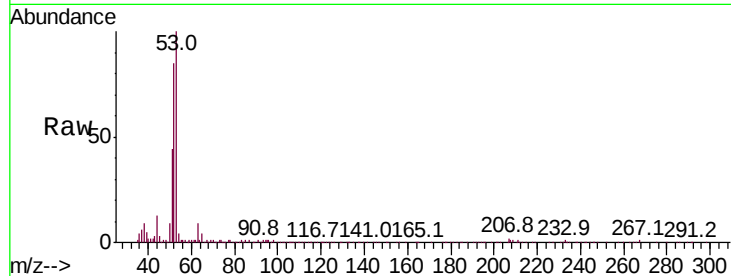
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	199773
Ion Ratio		Lower	Upper
53	100		
52	84.7	67.3	100.9
51	43.7	33.0	49.6

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#16

Acetone

Concen: 207.206 ug/l

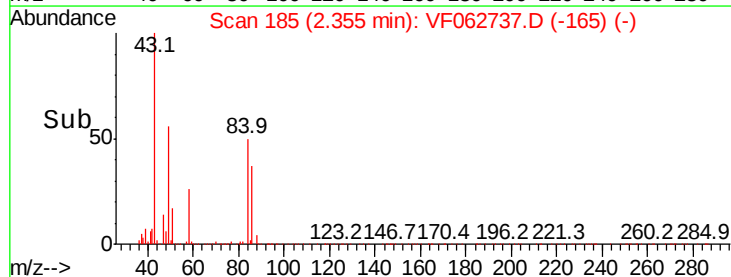
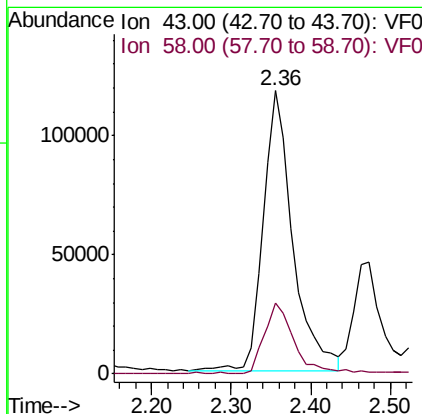
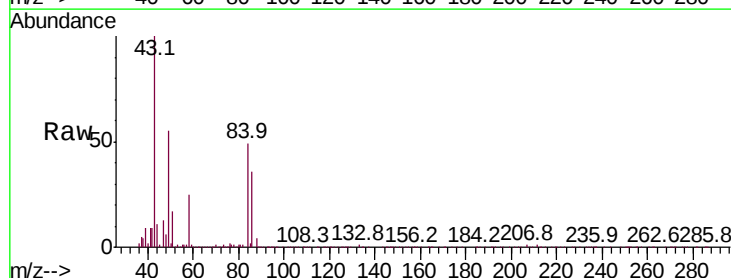
RT: 2.36 min Scan# 185

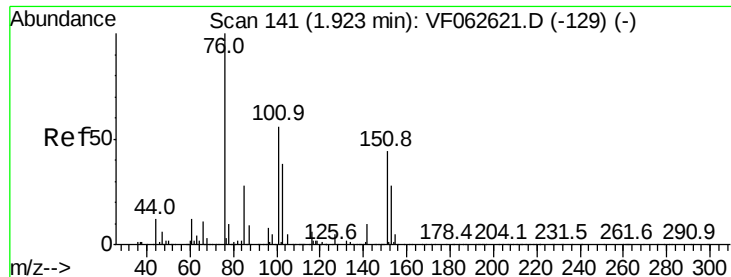
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	43	Resp:	304623
Ion Ratio		Lower	Upper
43	100		
58	25.0	22.6	33.8





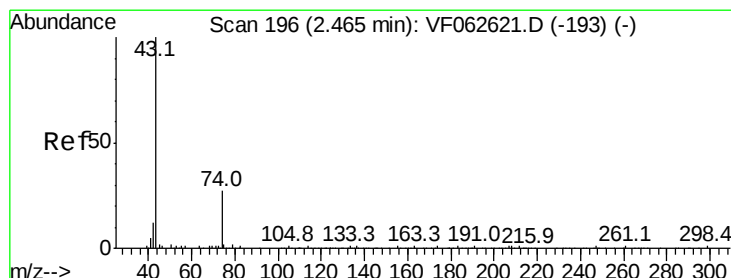
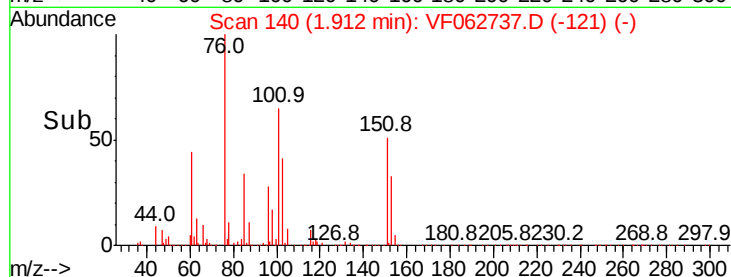
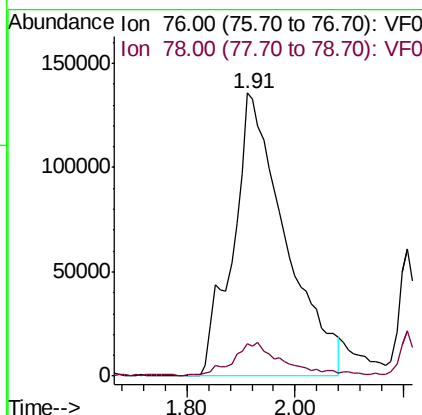
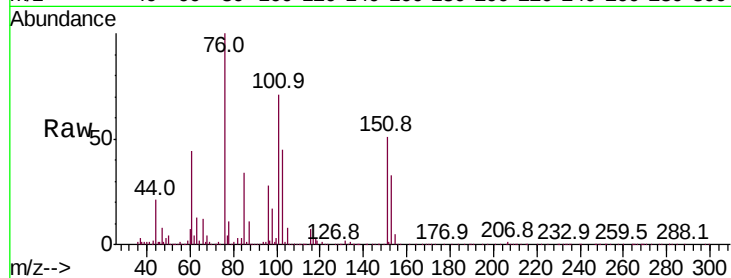
#17
Carbon Disulfide
Concen: 42.948 ug/l
RT: 1.91 min Scan# 140
Delta R.T. -0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 76 Resp: 917029
Ion Ratio Lower Upper
76 100
78 11.3 8.4 12.6

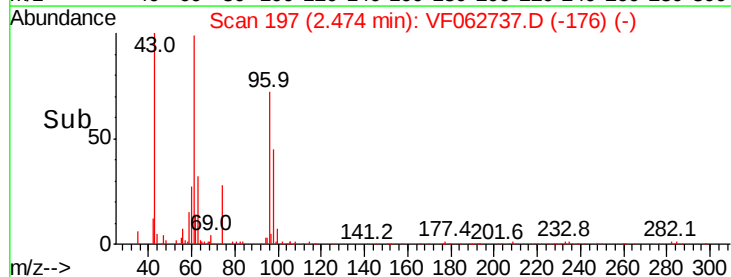
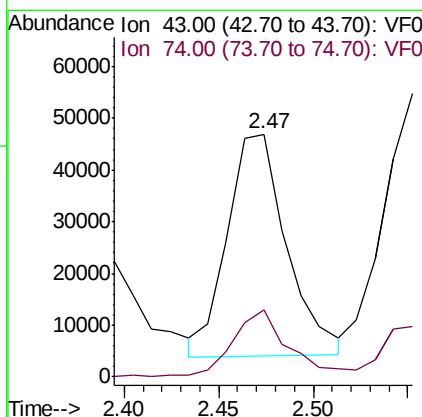
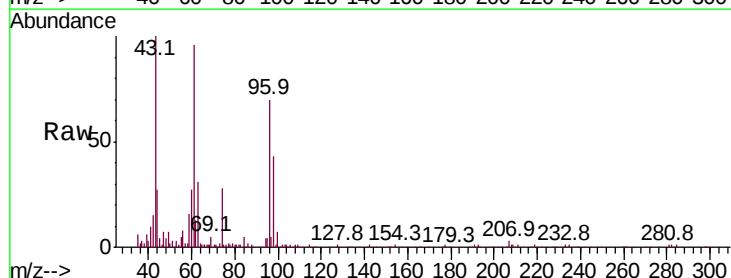
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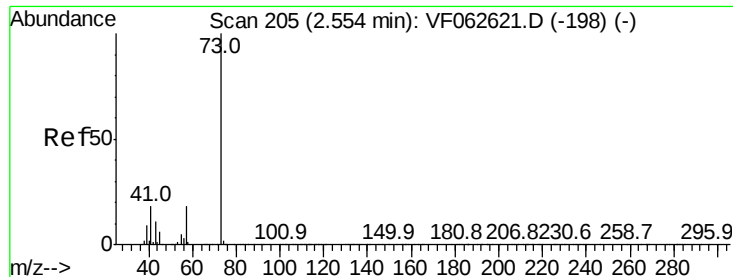
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#18
Methyl Acetate
Concen: 40.428 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 43 Resp: 93399
Ion Ratio Lower Upper
43 100
74 27.9 18.9 28.3





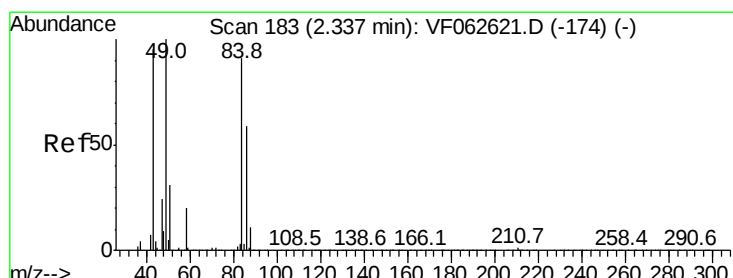
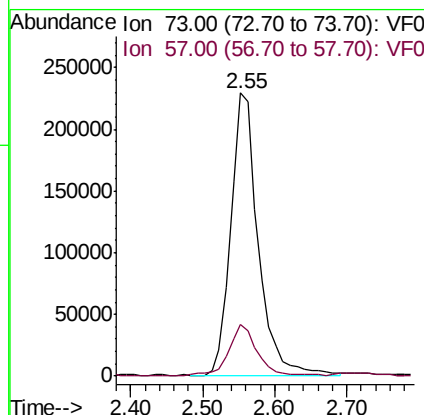
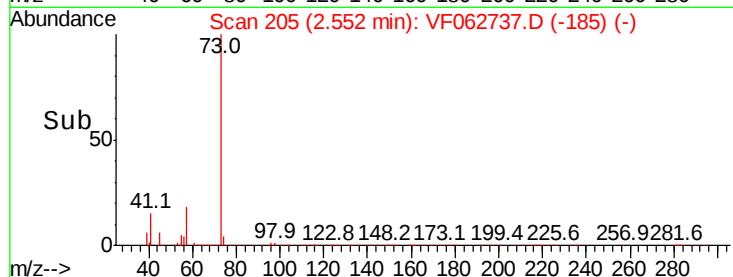
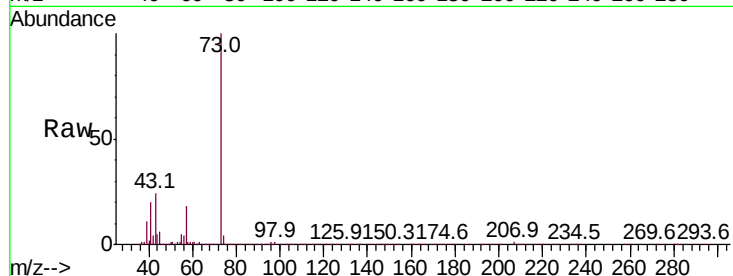
#19
Methvl tert-butvl Ether
Concen: 46.873 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.3	14.2	21.4

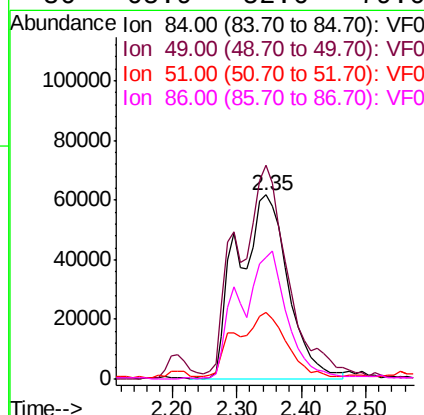
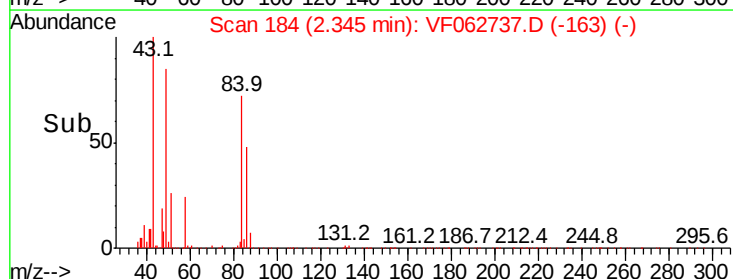
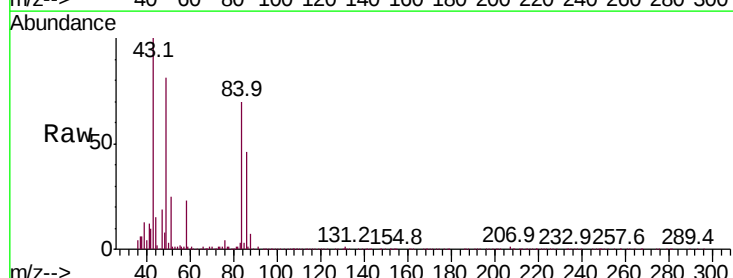
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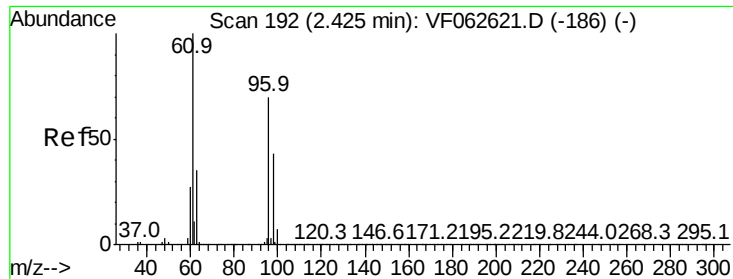
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#20
Methylene Chloride
Concen: 45.686 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.2	89.8	134.8
51	35.9	28.4	42.6
86	65.9	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 48.702 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

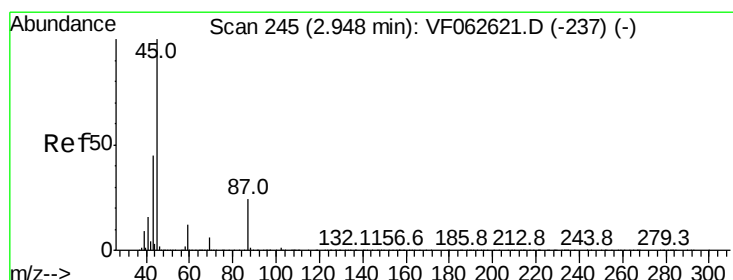
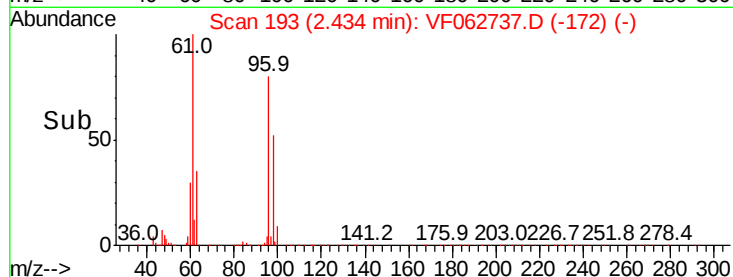
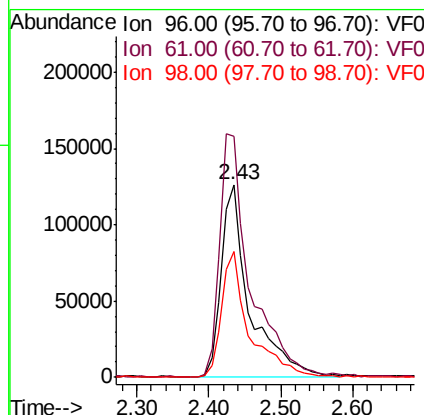
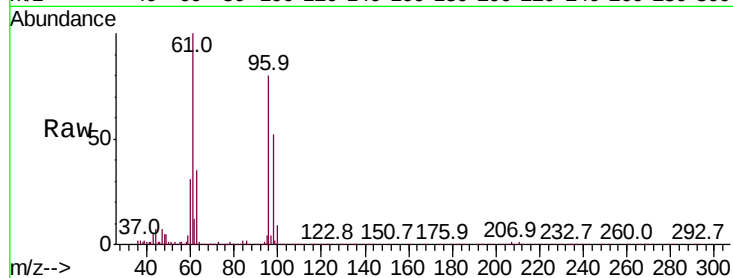
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	342921
Ion	Ratio	Lower	Upper
96	100		
61	124.9	114.6	171.8
98	65.2	49.5	74.3

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#22

Diisopropyl ether

Concen: 48.524 ug/l

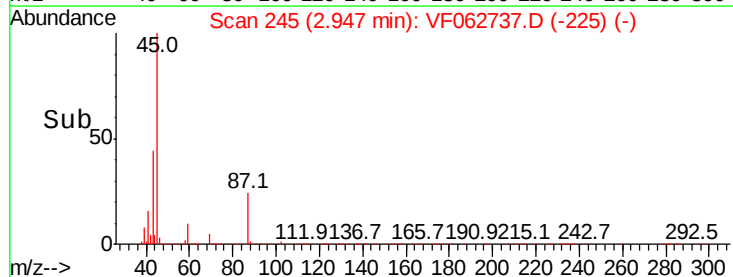
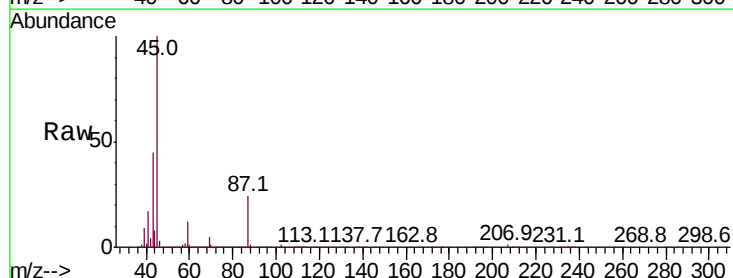
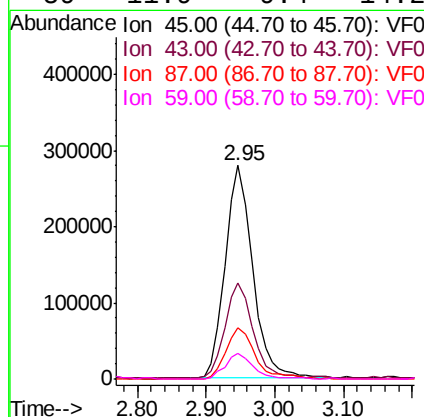
RT: 2.95 min Scan# 245

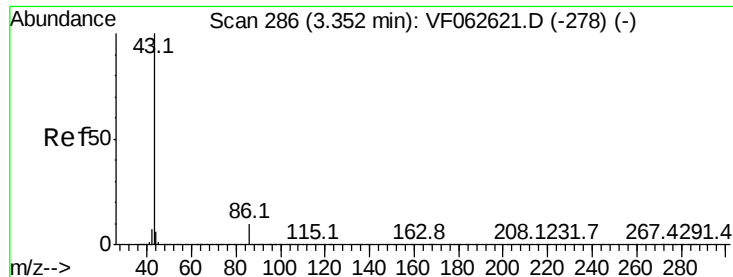
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	45	Resp:	780287
Ion	Ratio	Lower	Upper
45	100		
43	45.0	36.4	54.6
87	24.2	19.3	28.9
59	11.9	9.4	14.2





#23

Vinyl Acetate

Concen: 231.716 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 2513547

Ion Ratio Lower Upper

43 100

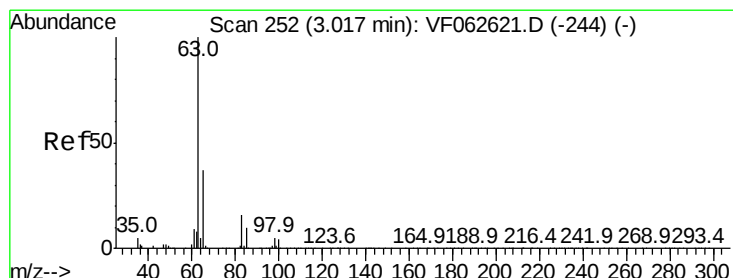
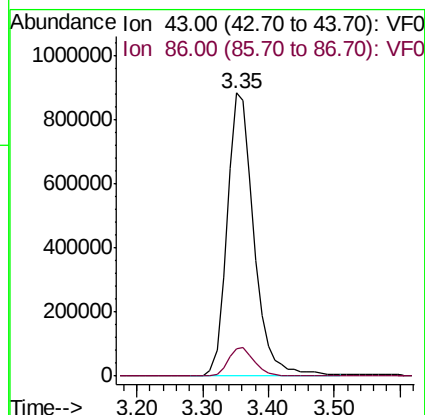
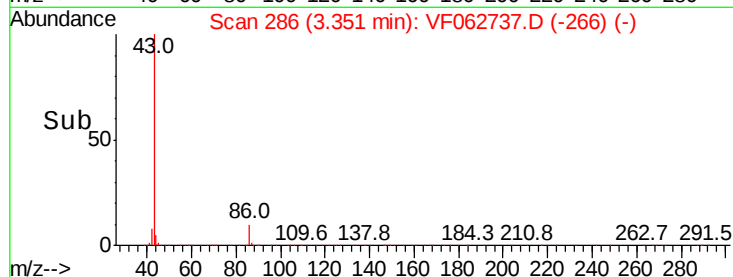
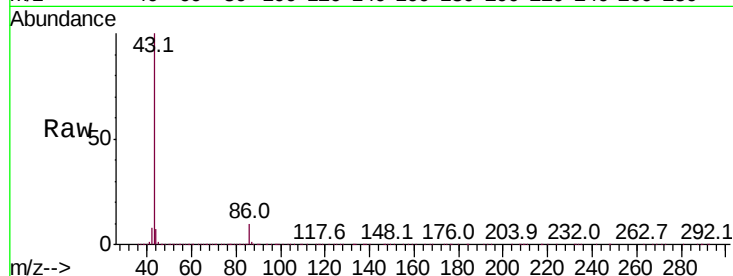
86 9.8 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 47.357 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

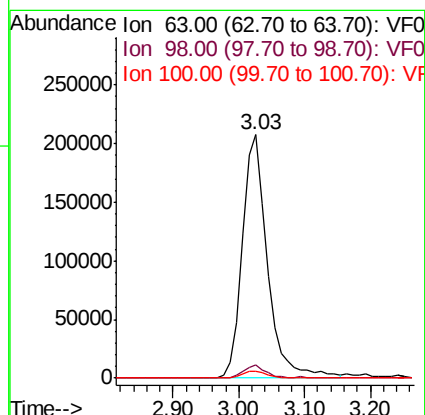
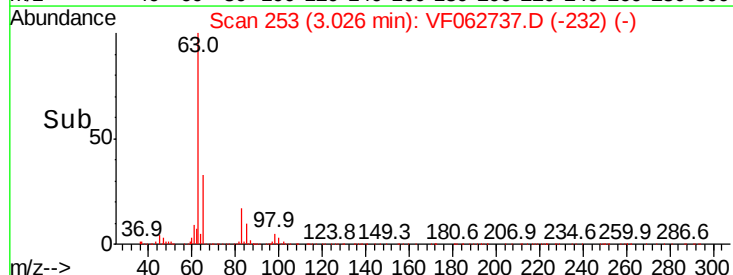
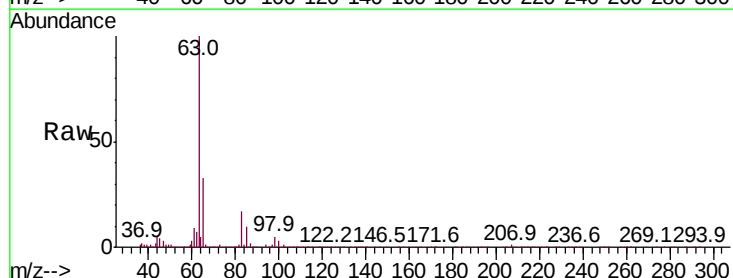
Tgt Ion: 63 Resp: 558655

Ion Ratio Lower Upper

63 100

98 5.2 2.8 8.3

100 3.0 1.9 5.7





#25

2-Butanone

Concen: 224.880 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 706337

Ion Ratio Lower Upper

43 100

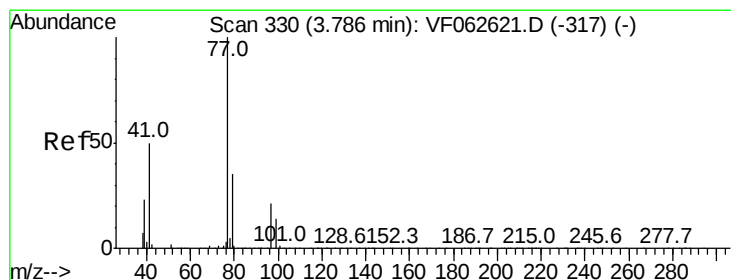
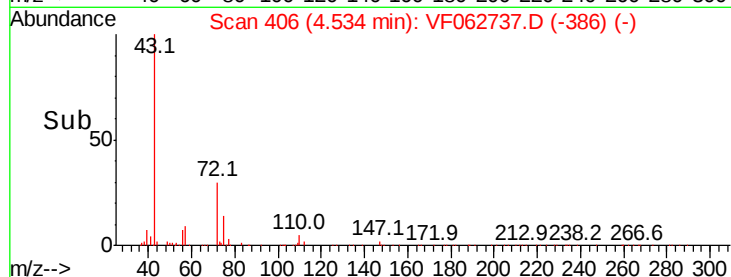
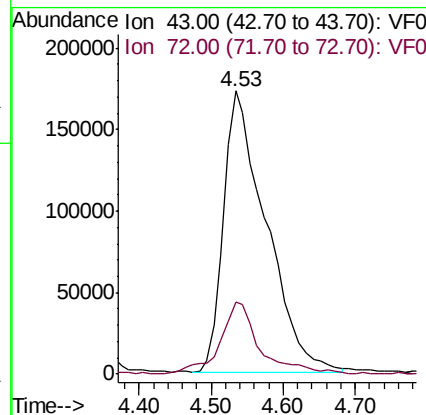
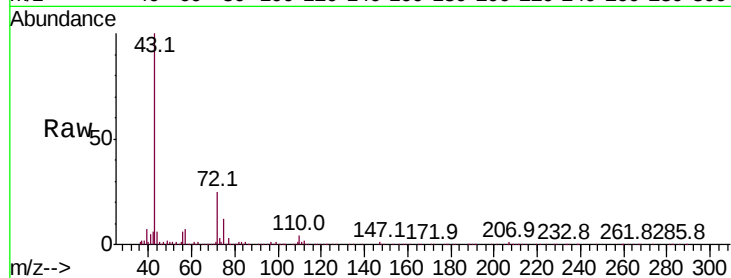
72 25.3 20.1 30.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 46.714 ug/l

RT: 3.78 min Scan# 330

Delta R.T. -0.00 min

Lab File: VF062737.D

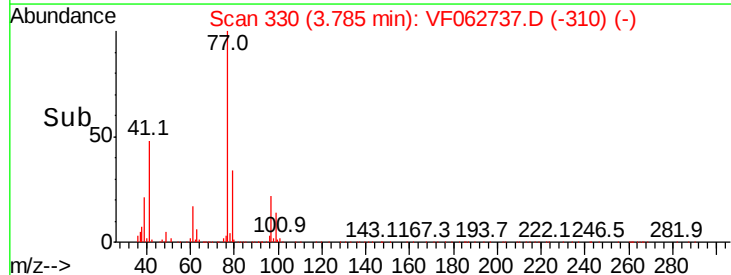
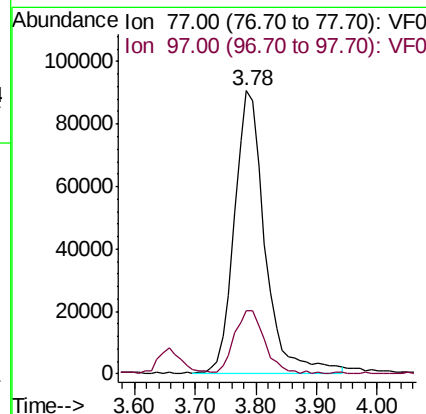
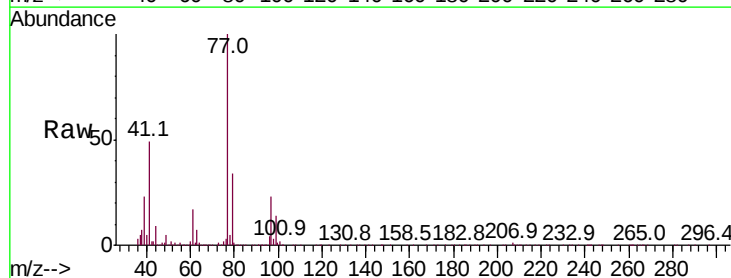
Acq: 23 May 2019 20:31

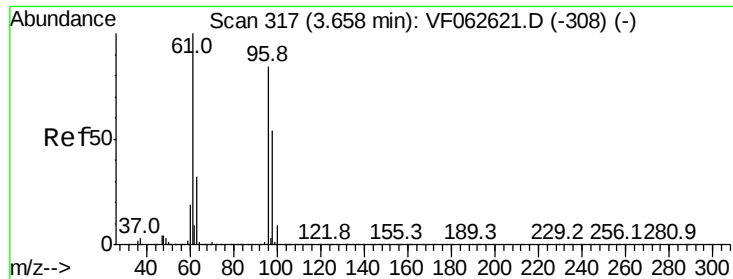
Tgt Ion: 77 Resp: 315303

Ion Ratio Lower Upper

77 100

97 22.5 14.1 42.4





#27

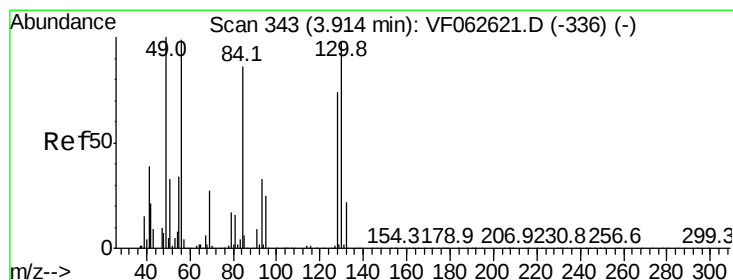
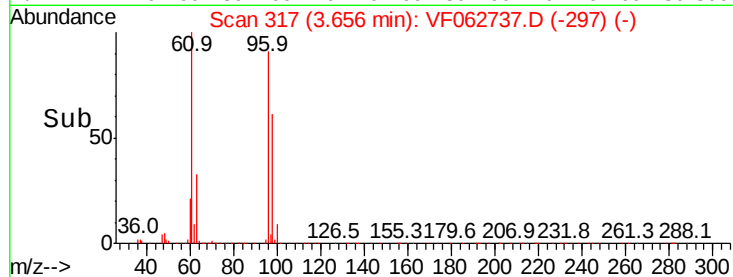
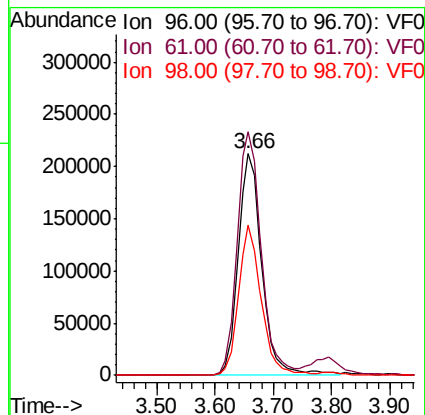
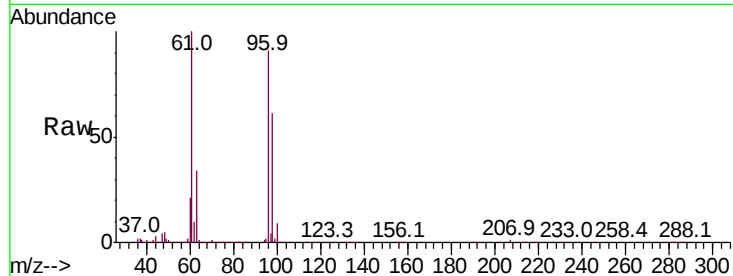
cis-1,2-Dichloroethene
Concen: 51.621 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	597887		
61	110.1	0.0	237.4	
98	67.6	0.0	129.0	

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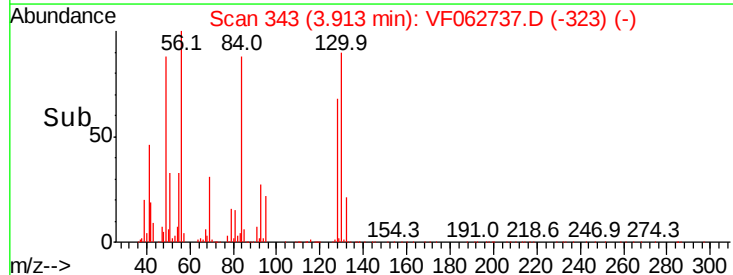
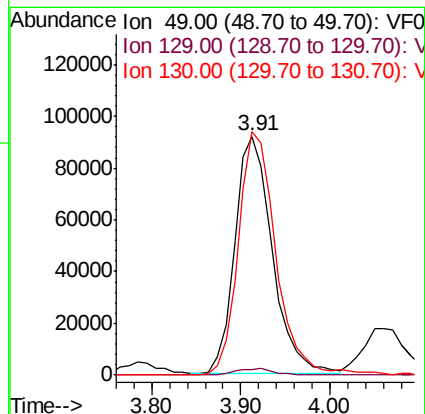
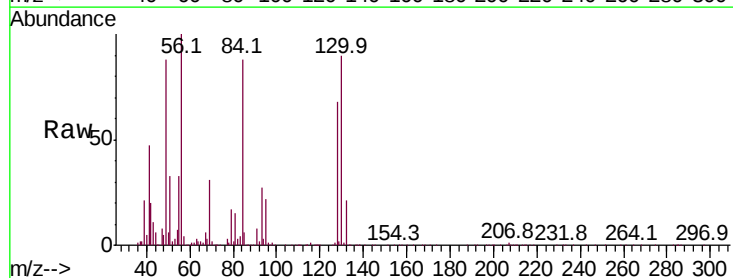
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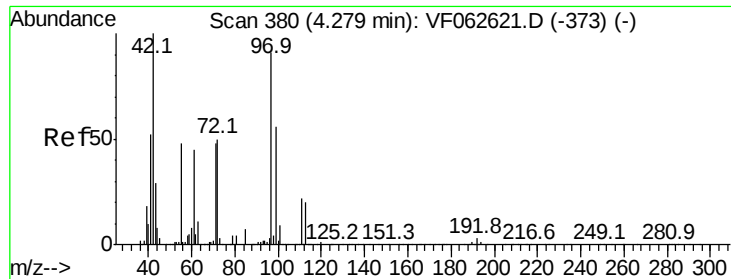


#28

Bromochloromethane
Concen: 40.576 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	268454		
129	2.6	0.0	4.0	
130	101.9	77.8	116.8	





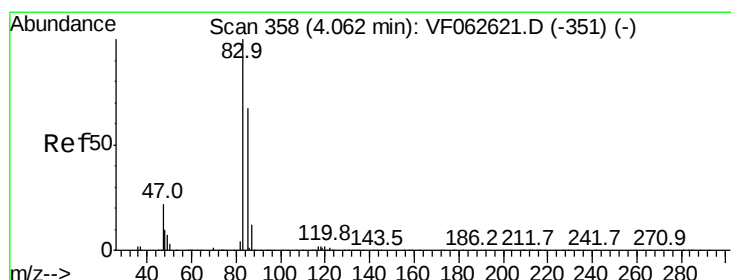
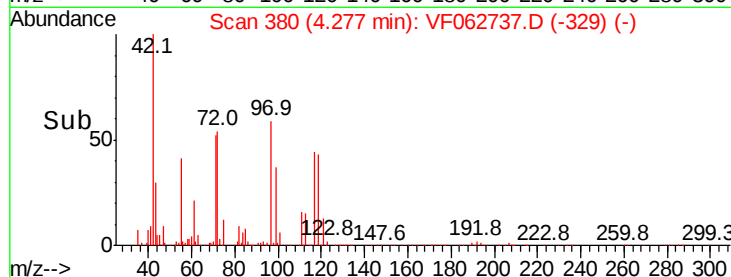
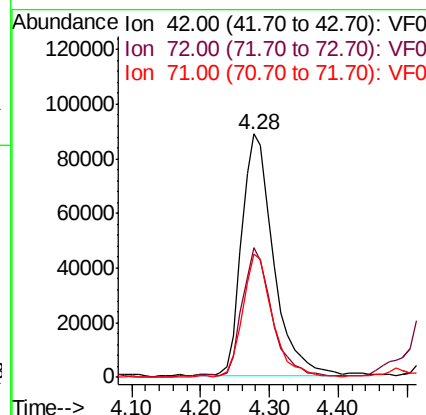
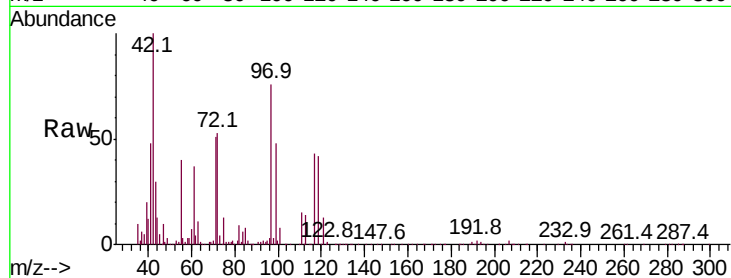
#29
Tetrahydrofuran
Concen: 220.976 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
42	100	280868		
72	49.8		38.2	57.2
71	48.9		35.8	53.6

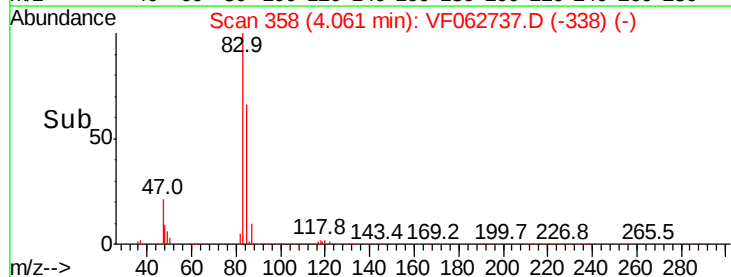
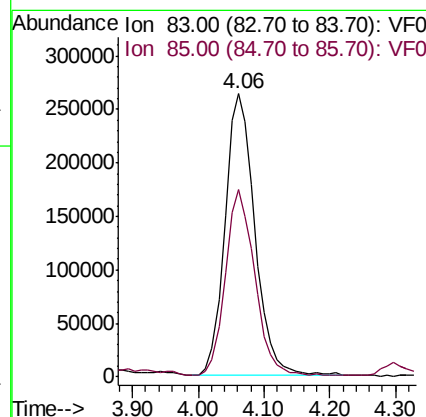
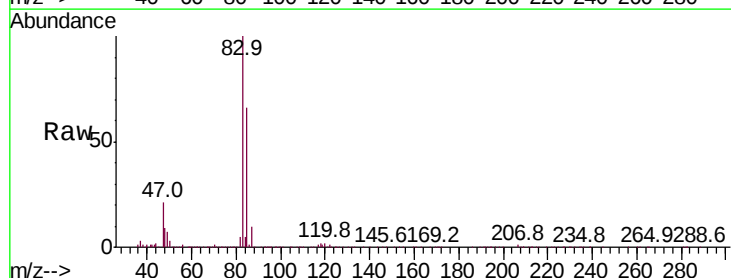
Manual Integrations
APPROVED

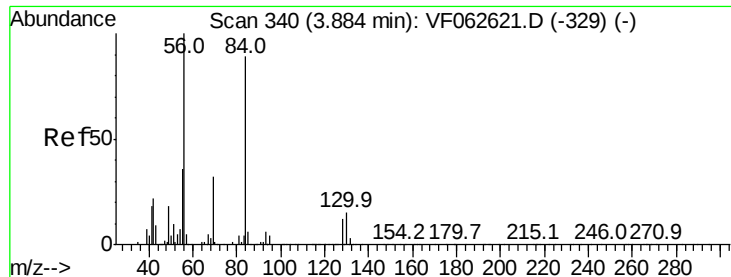
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#30
Chloroform
Concen: 50.532 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	827640		
85	66.2		53.6	80.4





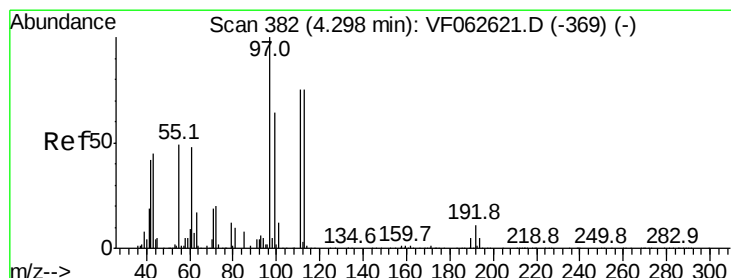
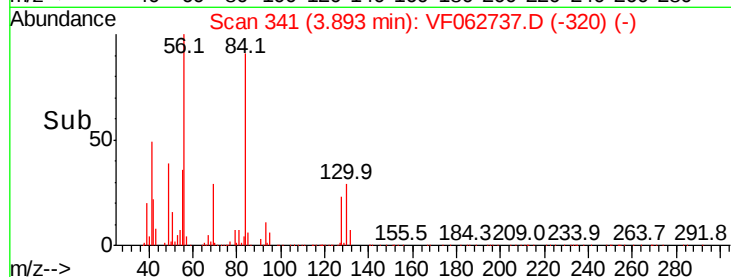
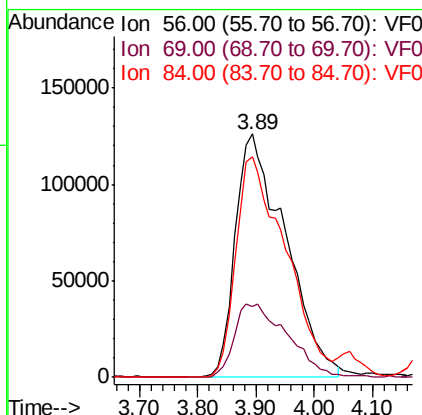
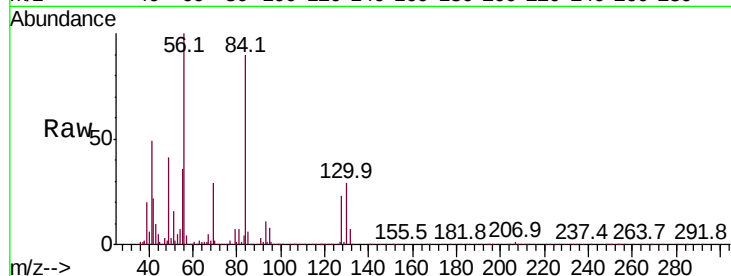
#31
Cyclohexane
Concen: 47.530 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.3	25.3	37.9
84	90.5	71.0	106.4

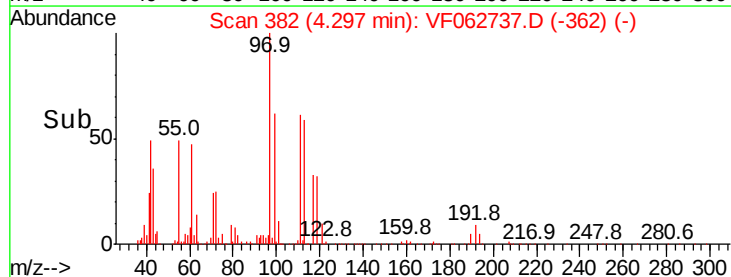
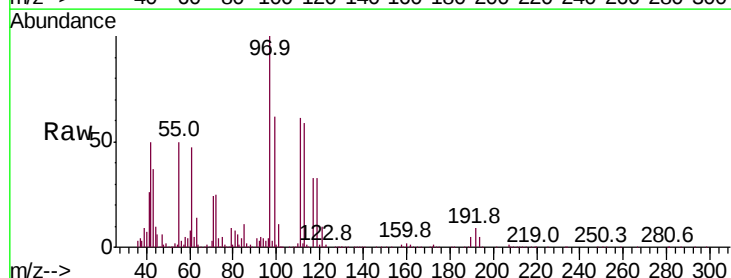
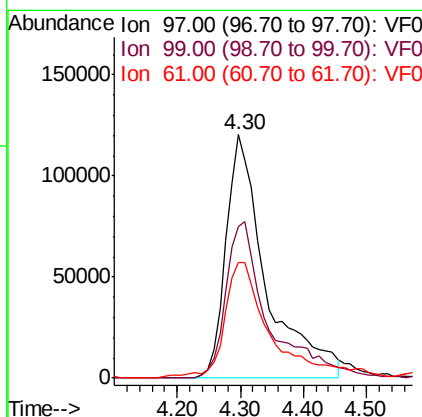
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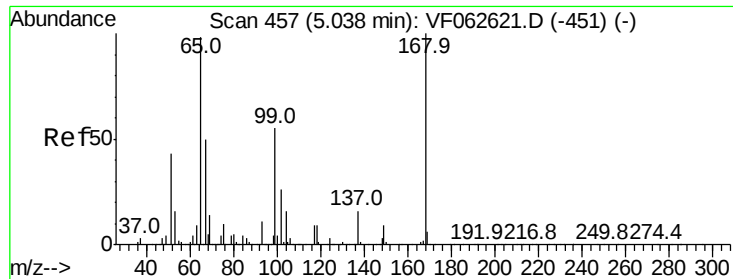
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#32
1,1,1-Trichloroethane
Concen: 48.844 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.5	51.3	76.9
61	47.3	38.2	57.2





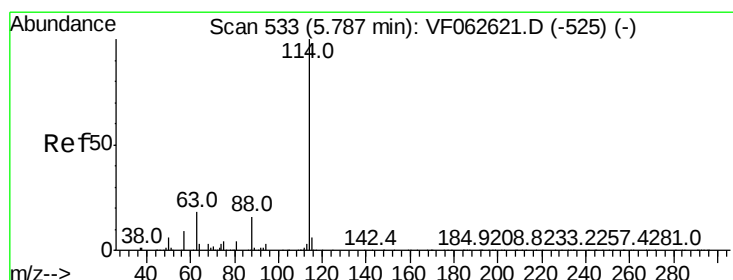
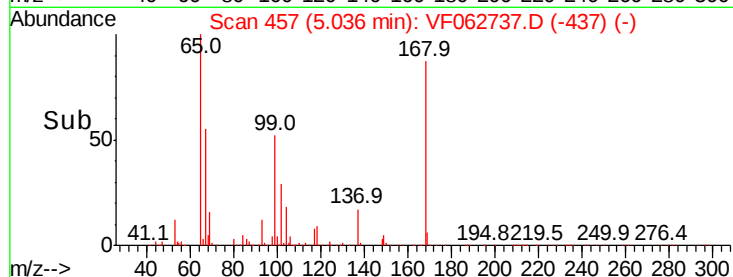
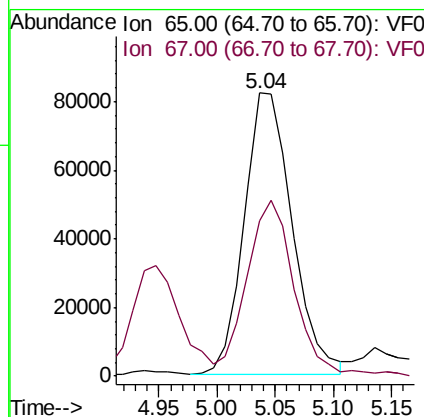
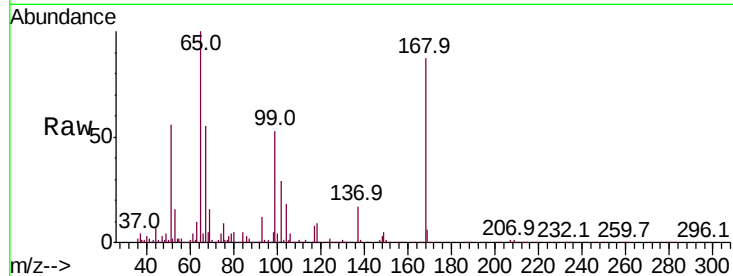
#33
 1,2-Dichloroethane-d4
 Concen: 41.367 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234415		
67	55.0	0.0	117.6	

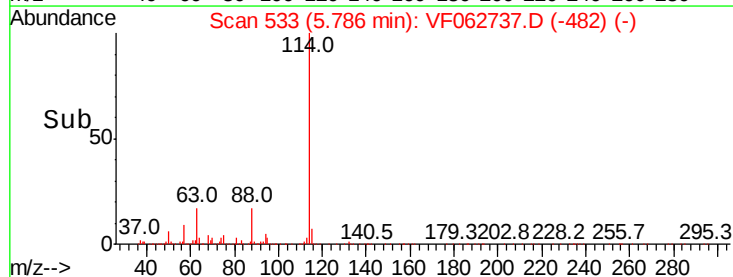
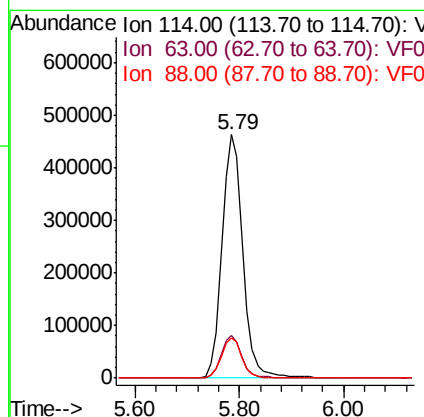
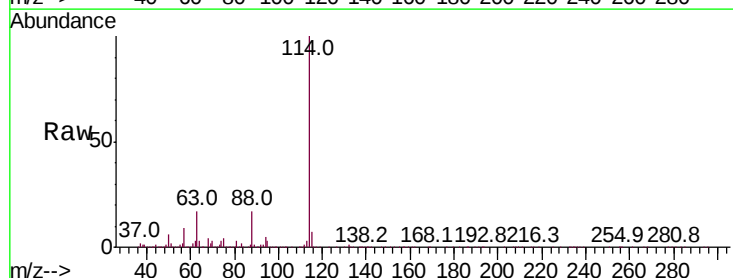
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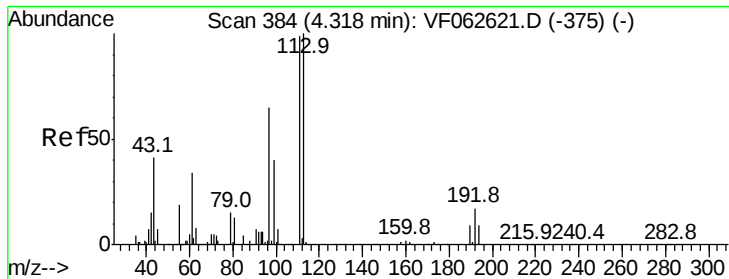
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1280009		
63	17.3	0.0	35.4	
88	16.6	0.0	32.4	





#35

Dibromofluoromethane

Concen: 43.771 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

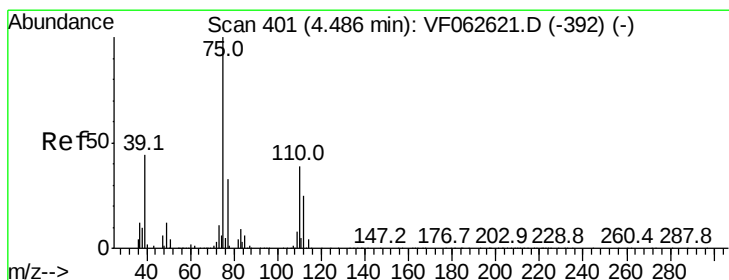
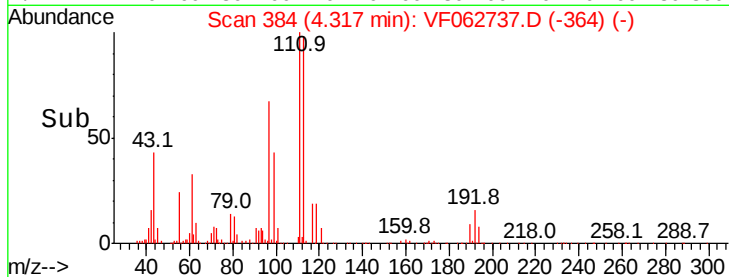
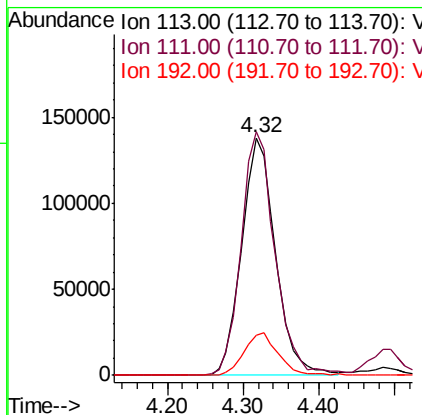
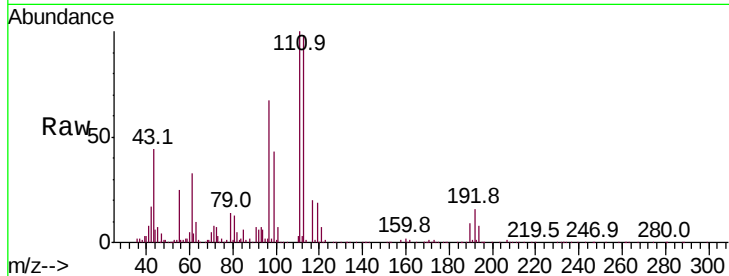
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	428724
Ion Ratio	Lower	Upper	
113	100		
111	102.5	79.4	119.2
192	16.9	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 47.864 ug/l

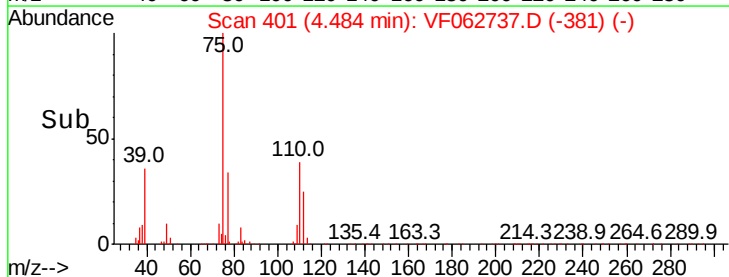
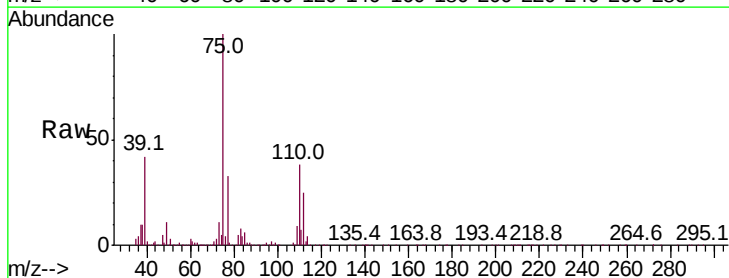
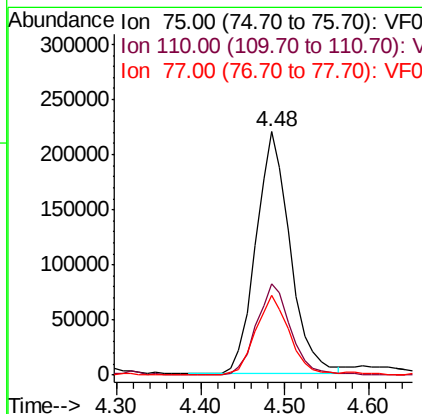
RT: 4.48 min Scan# 401

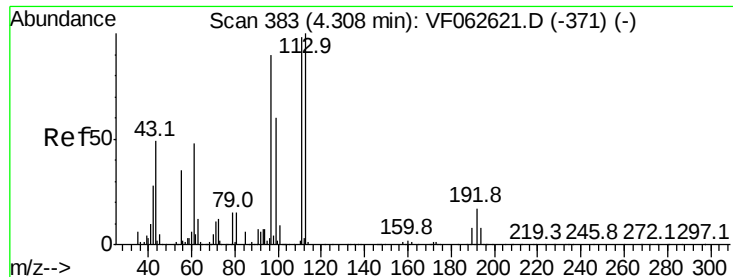
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	75	Resp:	627790
Ion Ratio	Lower	Upper	
75	100		
110	37.6	19.7	59.1
77	32.7	26.3	39.5





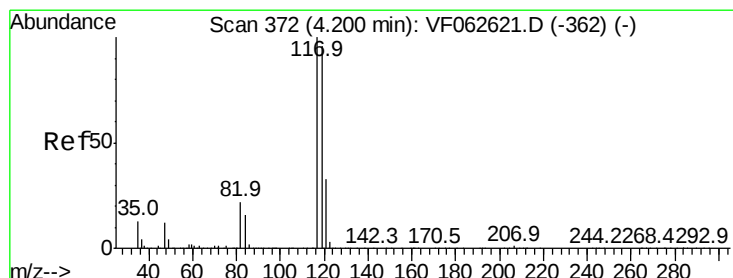
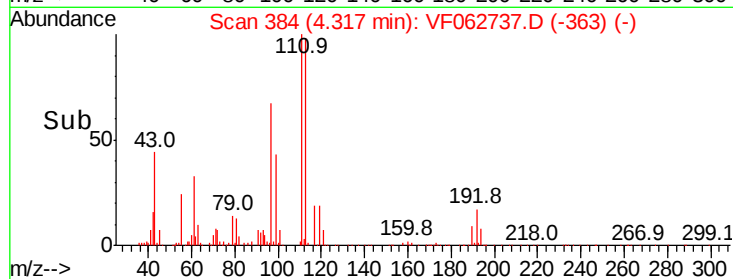
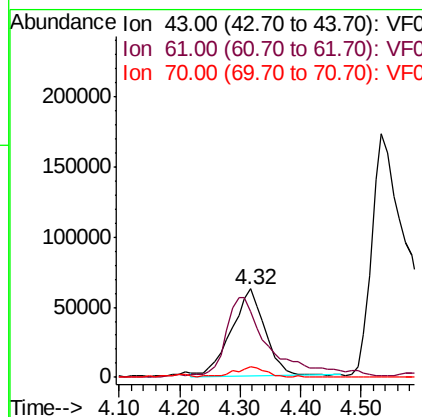
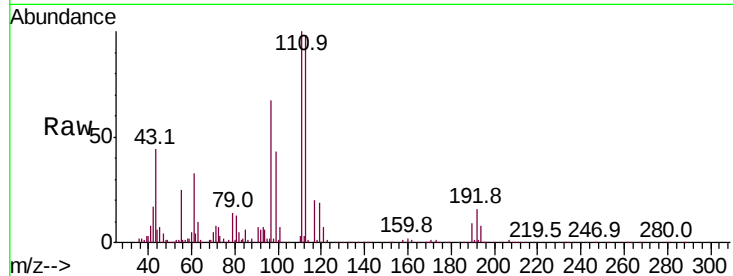
#37
Ethyl Acetate
Concen: 44.846 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	74.1	76.9	115.3#
70	11.9	8.8	13.2

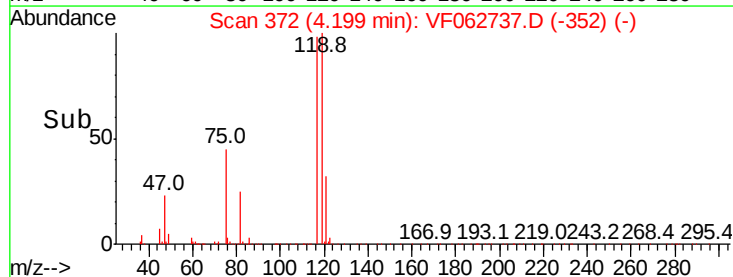
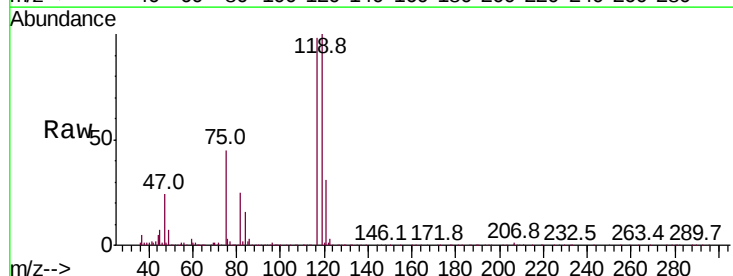
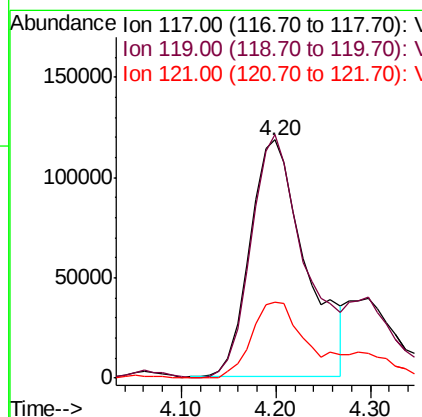
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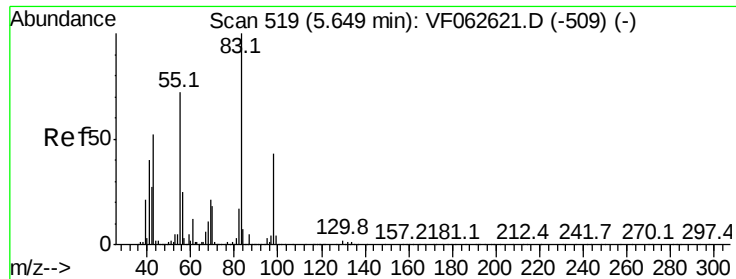
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#38
Carbon Tetrachloride
Concen: 49.165 ug/l
RT: 4.20 min Scan# 372
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.2	76.7	115.1
121	32.1	26.6	40.0





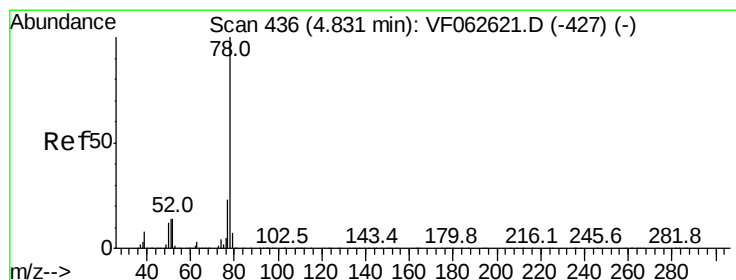
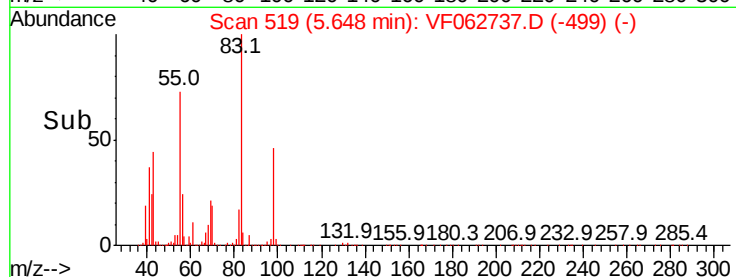
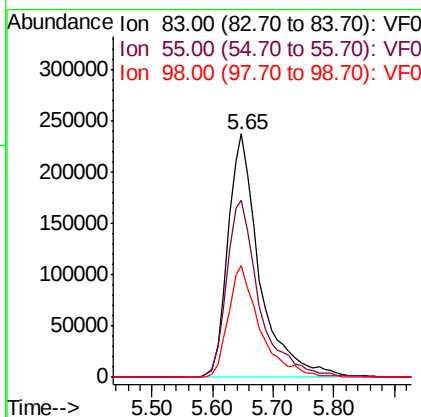
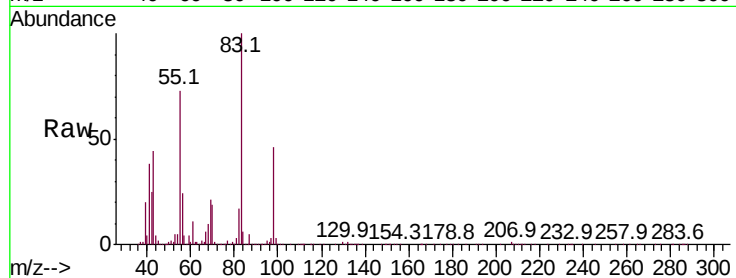
#39
Methvlcvclohexane
Concen: 54.534 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	860658		
55	72.9		57.9	86.9
98	46.0		34.6	52.0

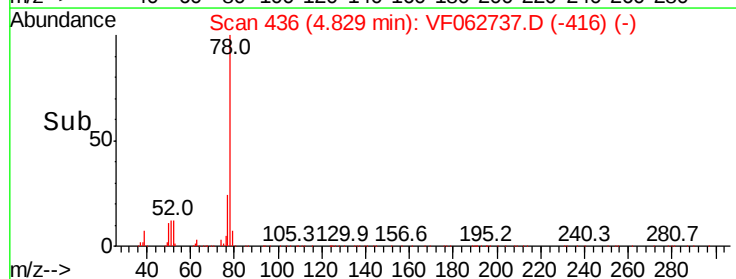
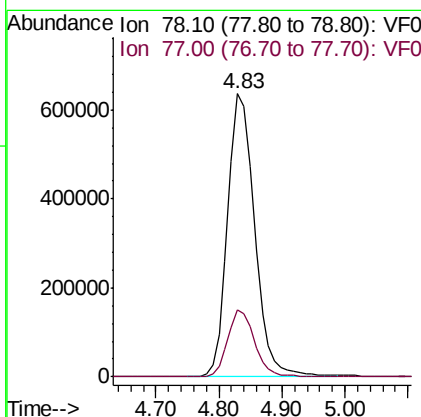
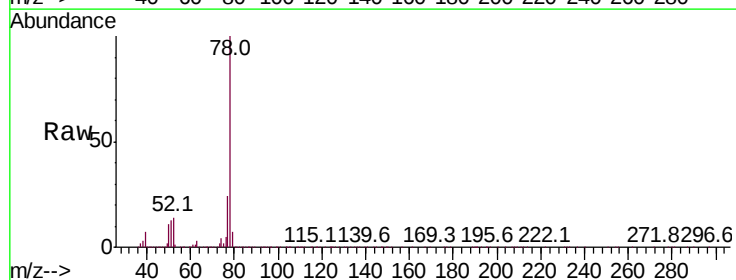
Manual Integrations
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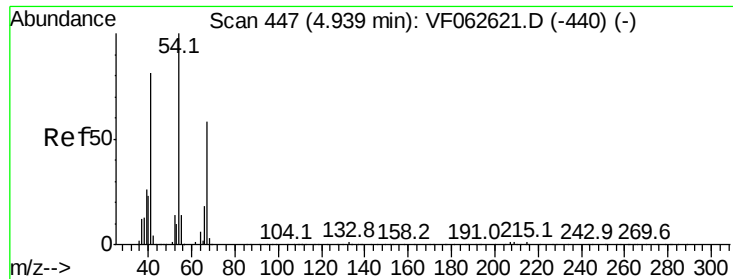
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#40
Benzene
Concen: 53.077 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1896547		
77	23.8		18.2	27.2





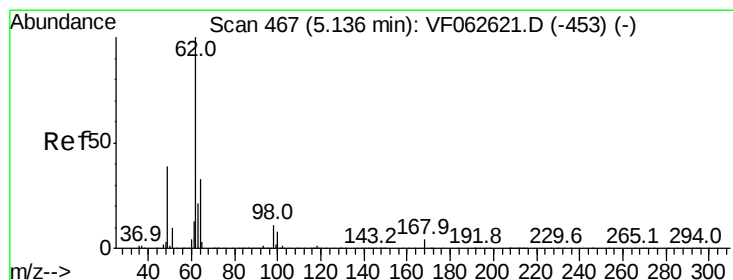
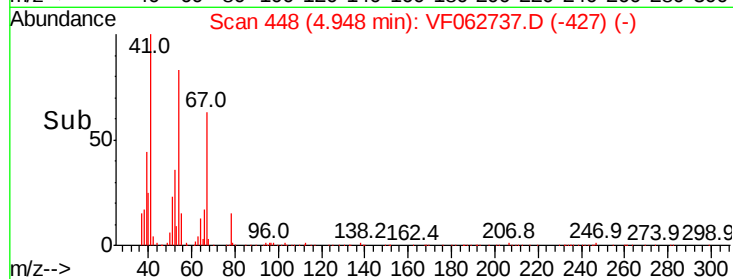
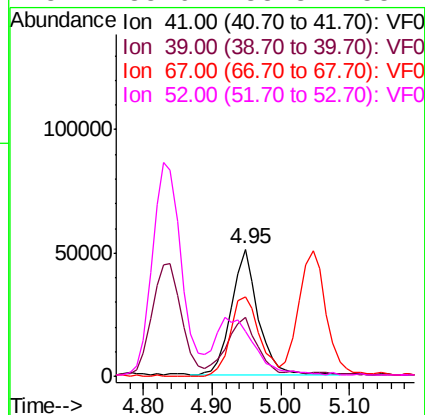
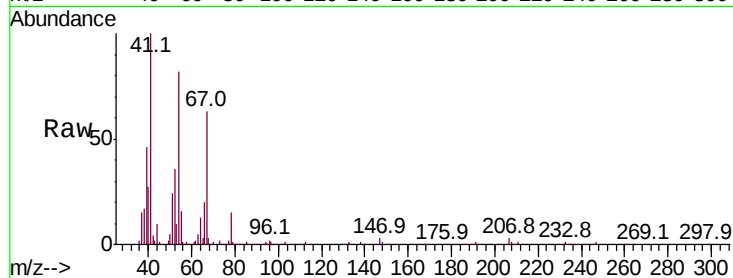
#41
Methacrylonitrile
Concen: 48.571 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	45.9	42.2	63.2
67	62.7	56.4	84.6
52	35.6	38.8	58.2#

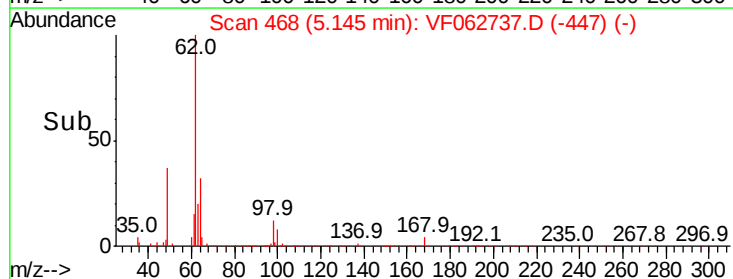
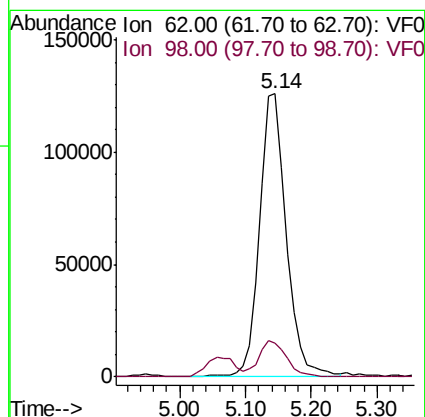
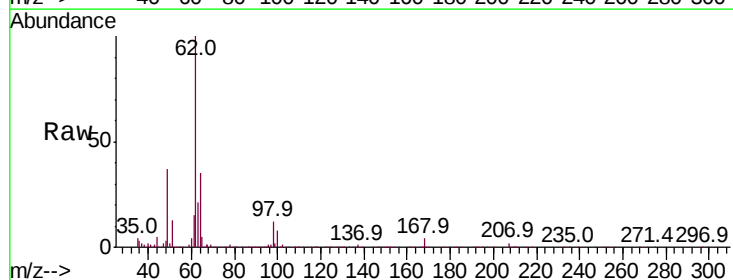
Manual Integrations
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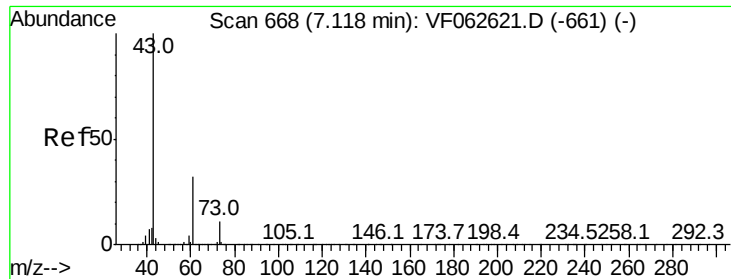
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#42
1,2-Dichloroethane
Concen: 50.603 ug/l
RT: 5.14 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.0	0.0	21.6





#43

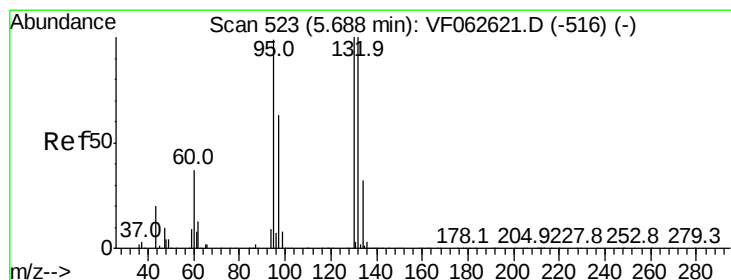
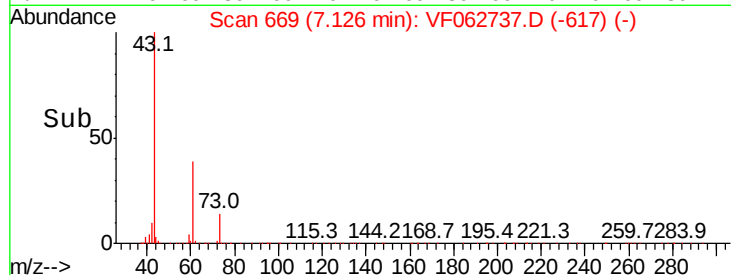
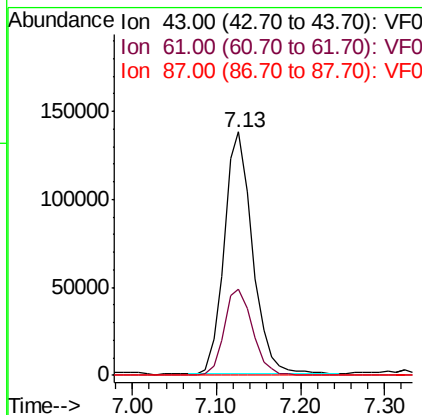
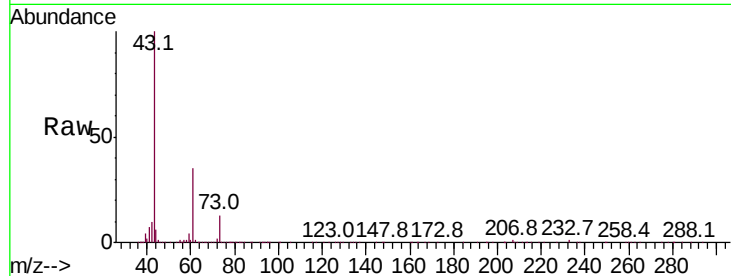
Isopropyl Acetate
 Concen: 46.404 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.5	25.8	38.8
87	0.4	0.4	0.6

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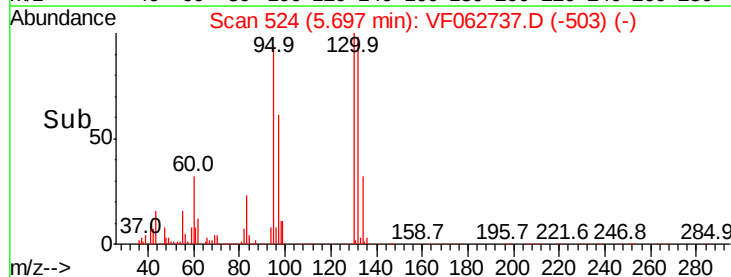
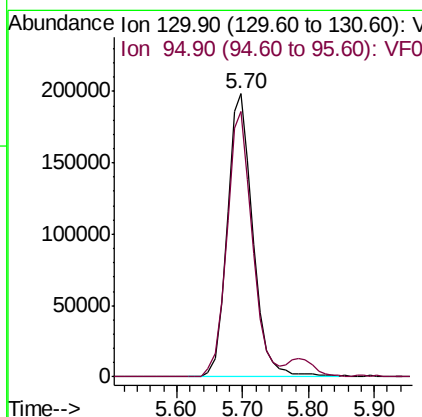
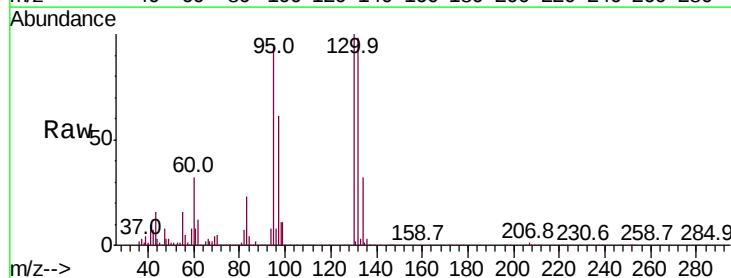
MMDadoda
 5/24/2019 11:16:23 AM

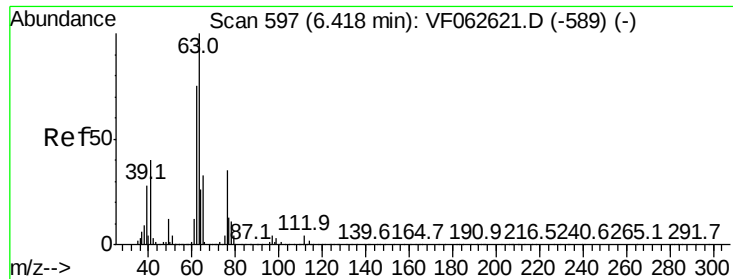


#44

Trichloroethene
 Concen: 53.698 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	199.4





#45

1,2-Dichloropropane

Concen: 52.242 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 471224

Ion Ratio Lower Upper

63 100

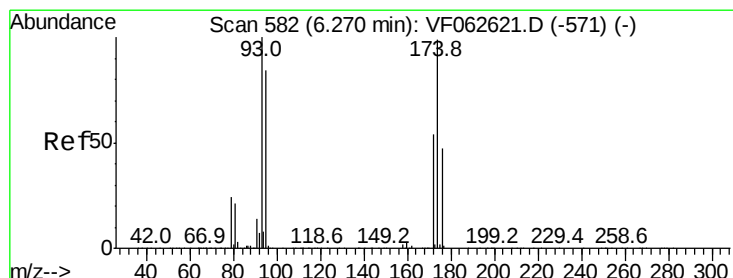
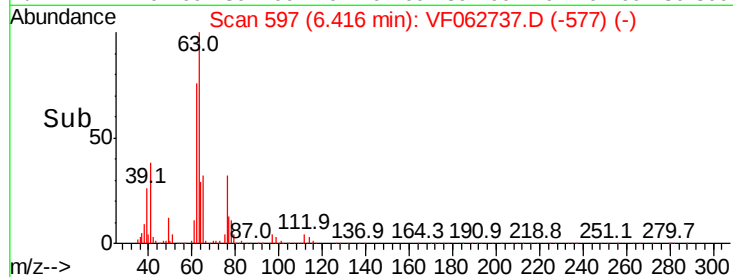
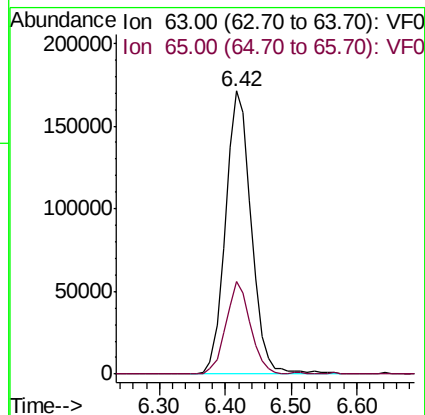
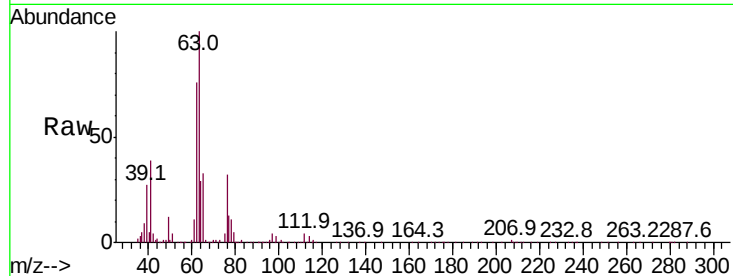
65 32.6 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 52.666 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

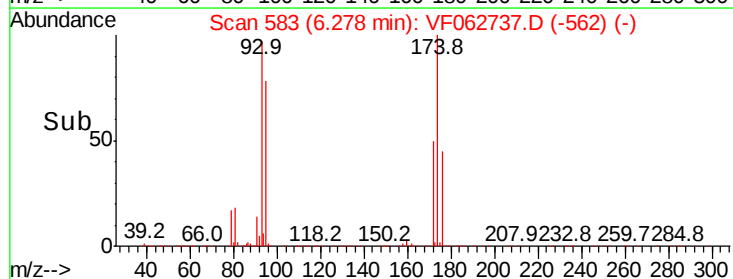
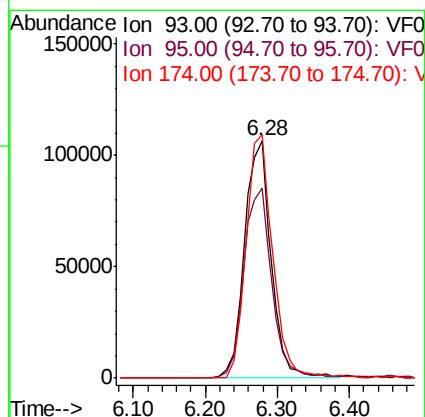
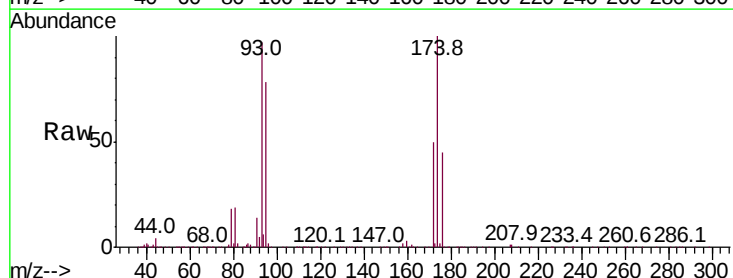
Tgt Ion: 93 Resp: 274541

Ion Ratio Lower Upper

93 100

95 79.8 67.4 101.2

174 104.3 79.4 119.2





#47

Bromodichloromethane

Concen: 51.989 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

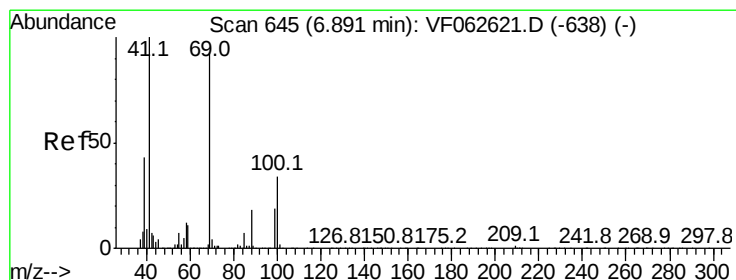
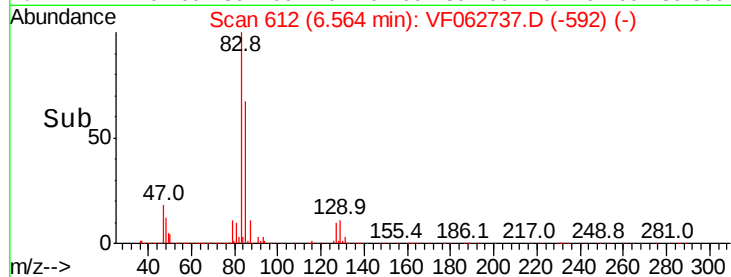
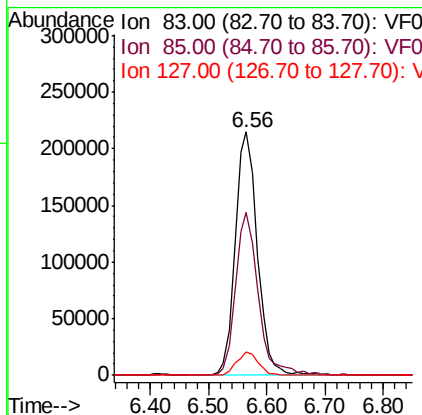
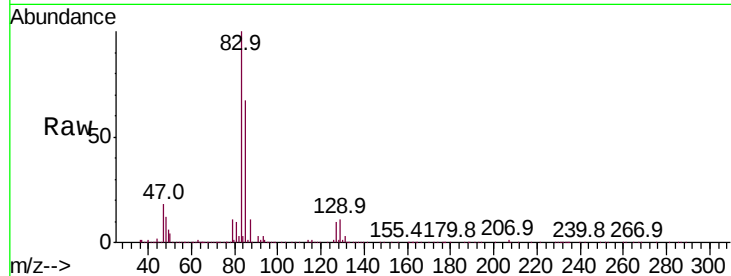
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	562625
Ion Ratio	Lower	Upper	
83	100		
85	66.9	52.0	78.0
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.929 ug/l

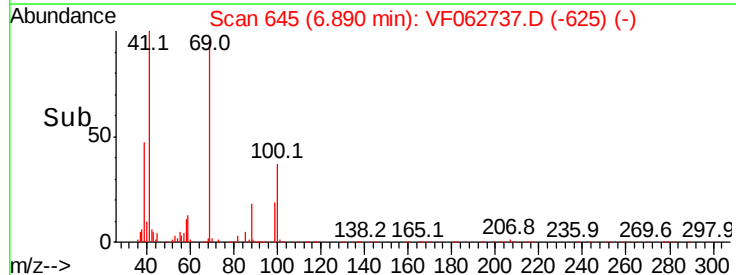
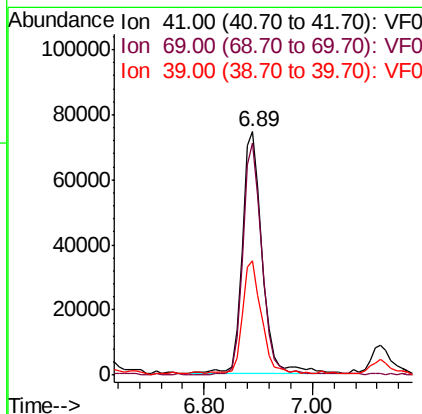
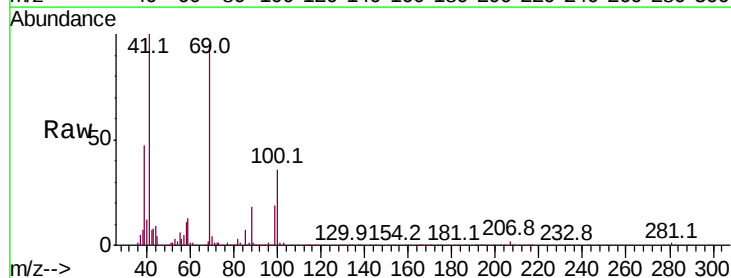
RT: 6.89 min Scan# 645

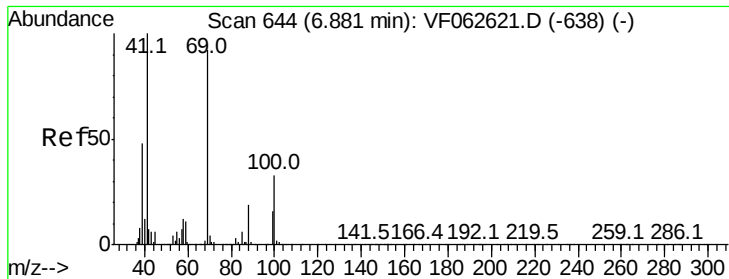
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	41	Resp:	188314
Ion Ratio	Lower	Upper	
41	100		
69	95.1	74.2	111.2
39	47.2	34.2	51.4





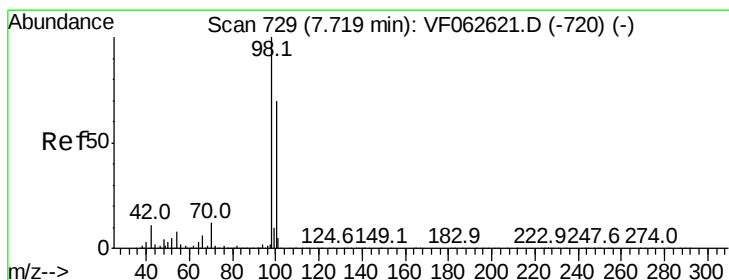
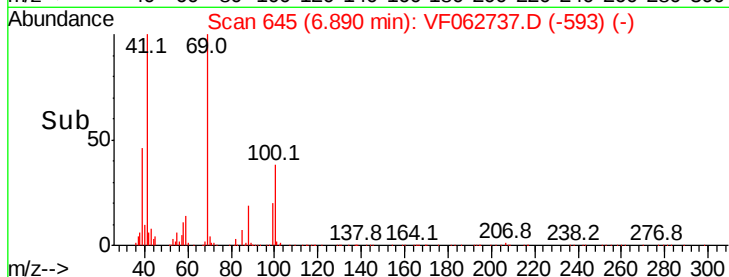
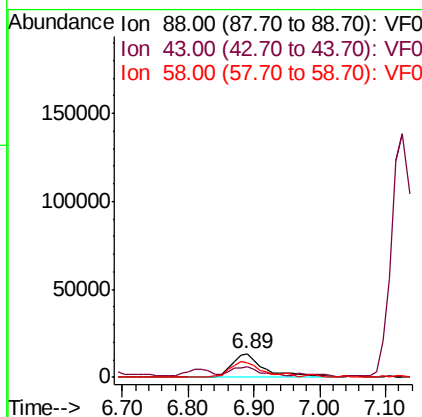
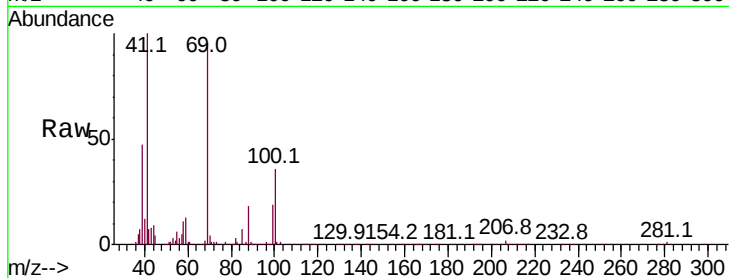
#49
1,4-Dioxane
Concen: 1010.471 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.3	30.0	45.0#
58	61.0	51.1	76.7

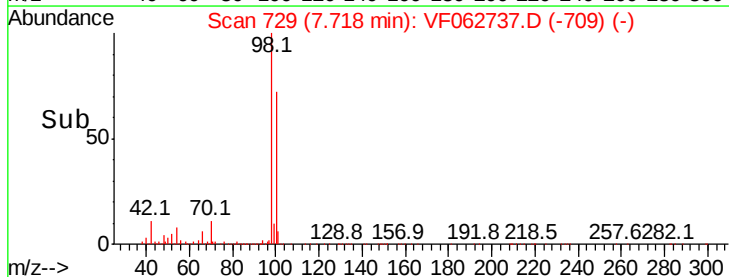
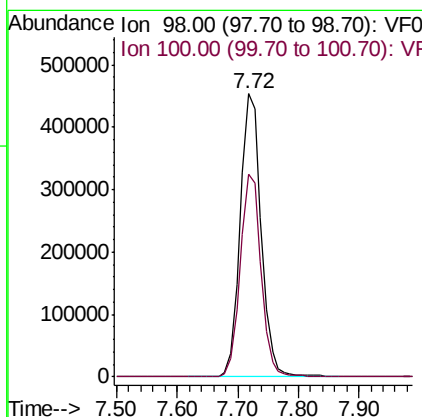
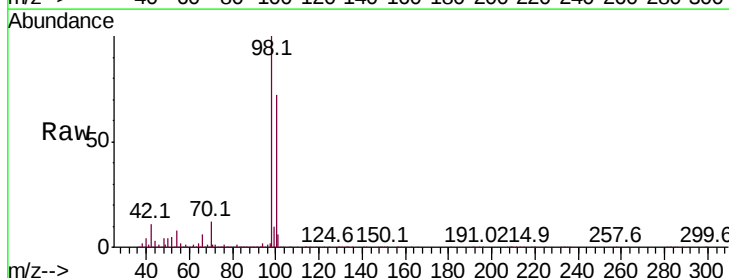
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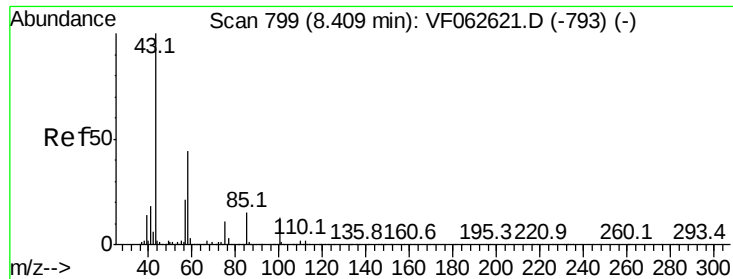
MMDadoda
5/24/2019 11:16:23 AM



#50
Toluene-d8
Concen: 46.807 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	71.7	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 246.257 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1167852

Ion Ratio Lower Upper

43 100

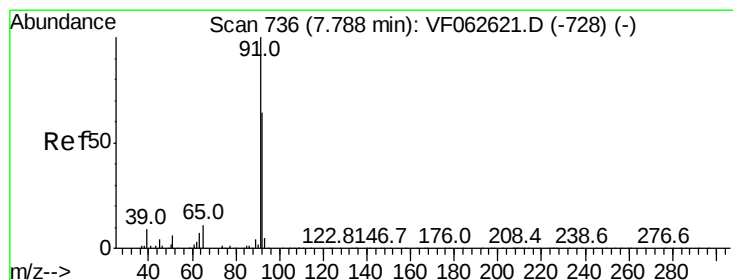
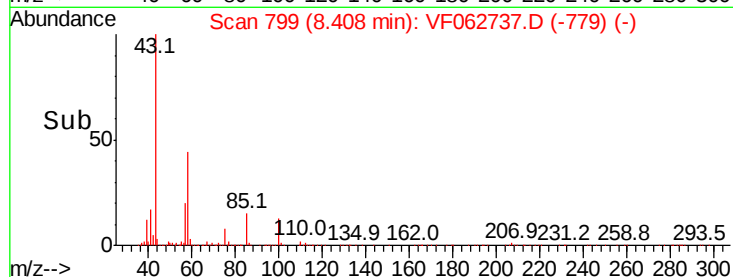
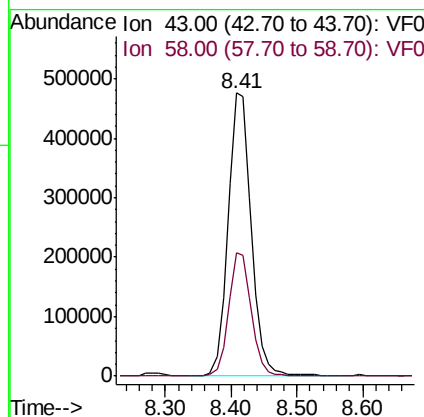
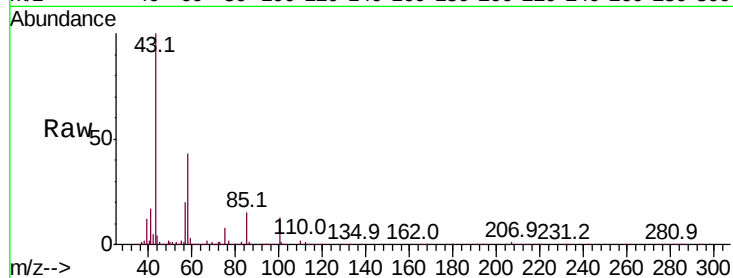
58 43.4 34.9 52.3

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5/24/2019 11:16:23 AM



#52

Toluene

Concen: 54.955 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062737.D

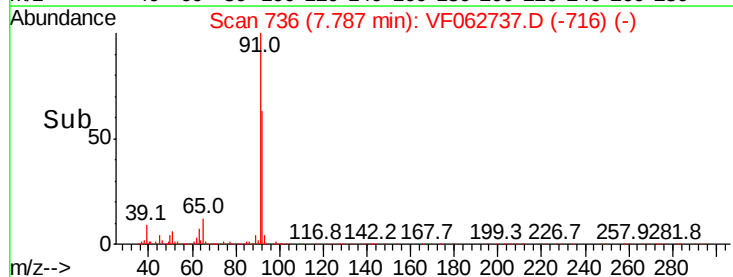
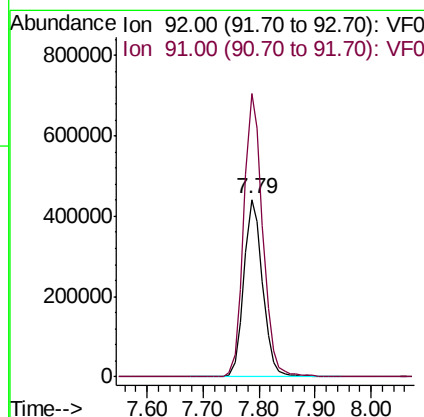
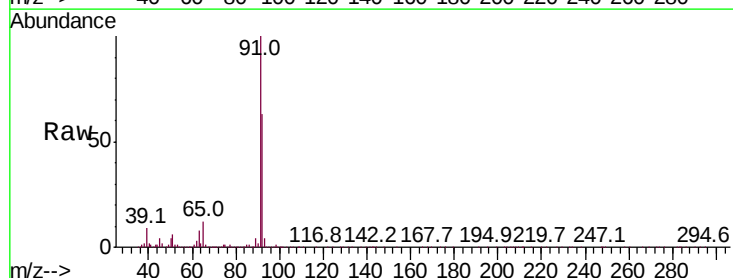
Acq: 23 May 2019 20:31

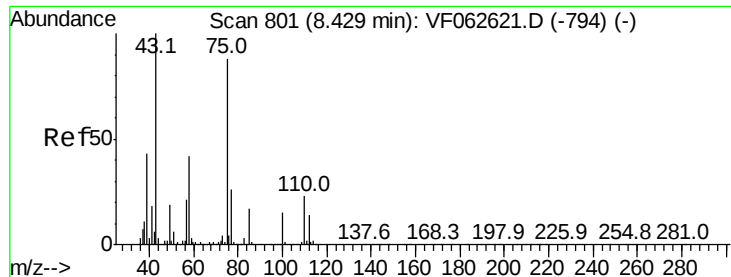
Tgt Ion: 92 Resp: 1029831

Ion Ratio Lower Upper

92 100

91 159.4 125.4 188.0





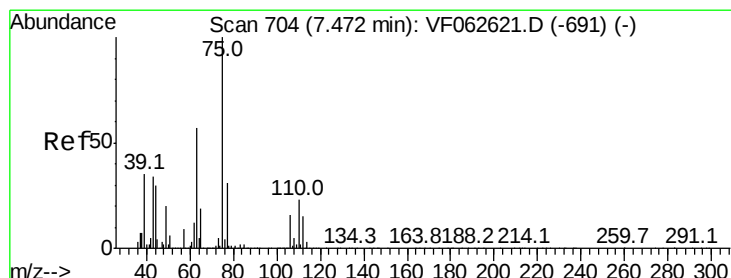
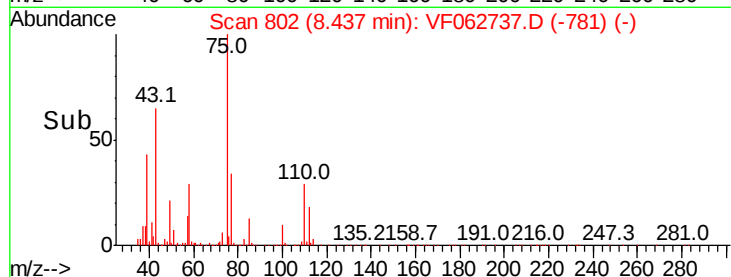
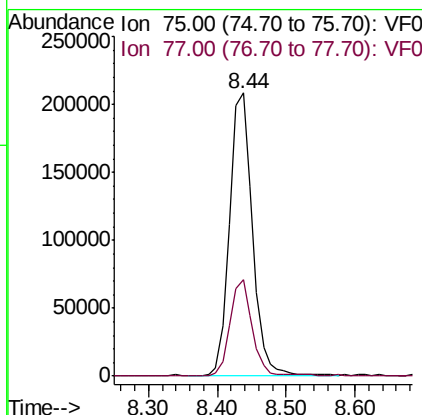
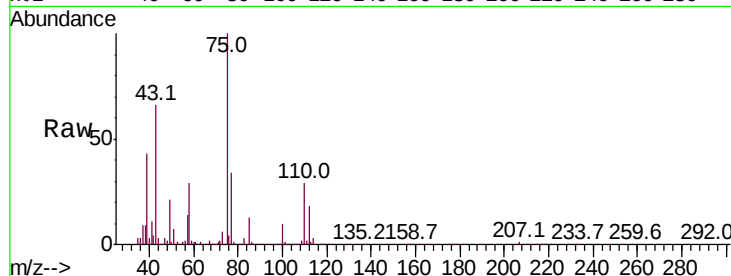
#53
t-1,3-Dichloropropene
Concen: 53.782 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 476171
Ion Ratio Lower Upper
75 100
77 34.2 24.2 36.4

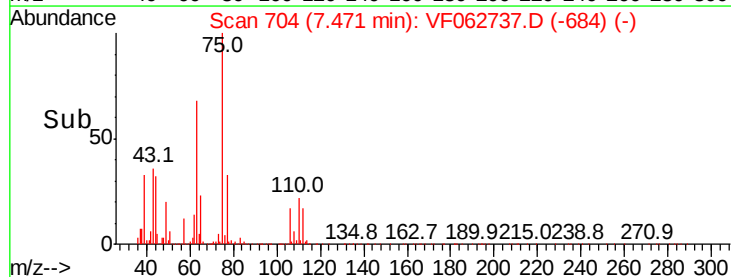
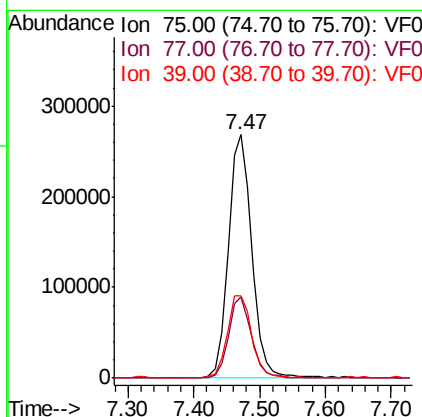
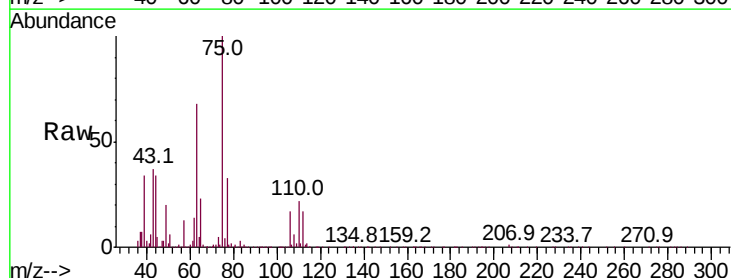
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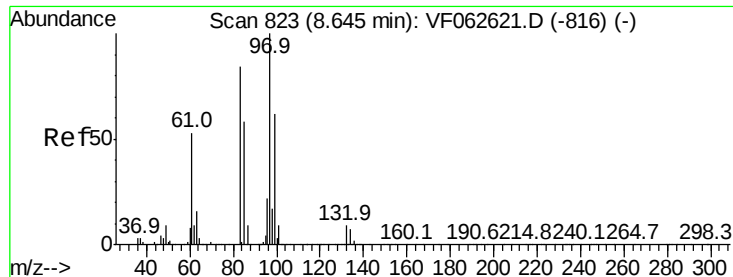
MMDadoda
5/24/2019 11:16:23 AM



#54
cis-1,3-Dichloropropene
Concen: 53.890 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 75 Resp: 667895
Ion Ratio Lower Upper
75 100
77 33.2 25.3 37.9
39 33.6 28.2 42.2





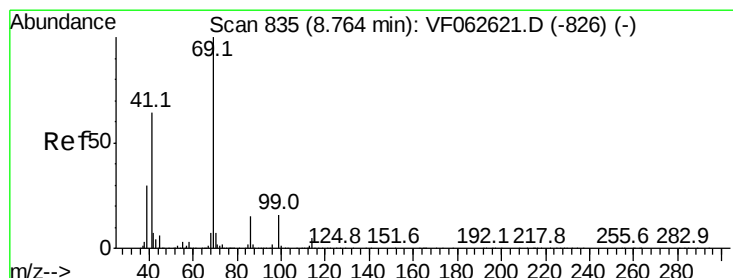
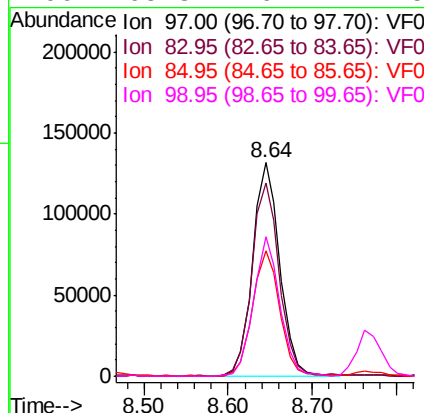
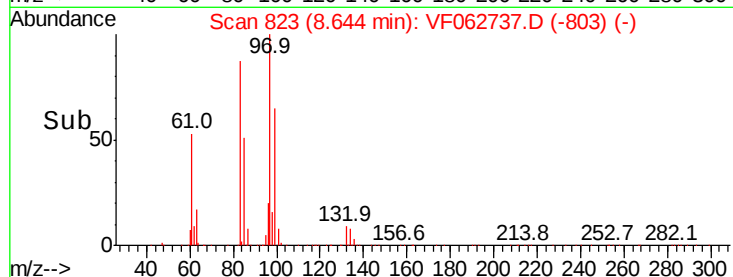
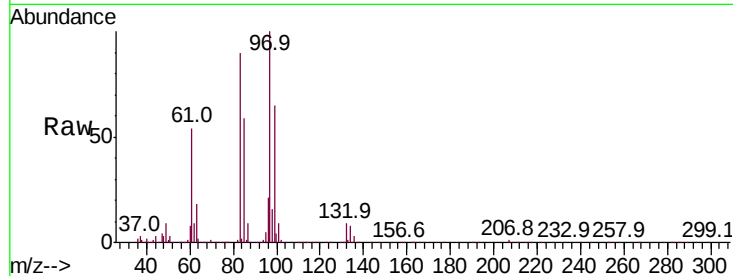
#55
1,1,2-Trichloroethane
Concen: 53.878 ug/l
RT: 8.64 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		298940		
83	90.4	67.3	100.9		
85	58.7	46.6	69.8		
99	65.3	49.7	74.5		

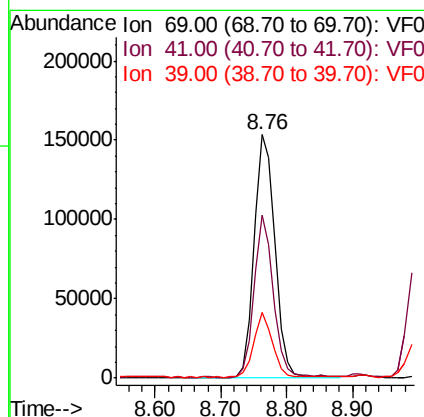
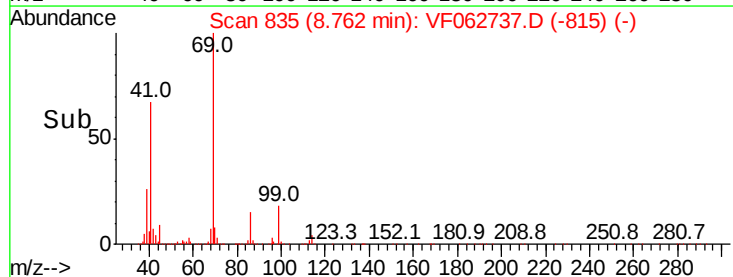
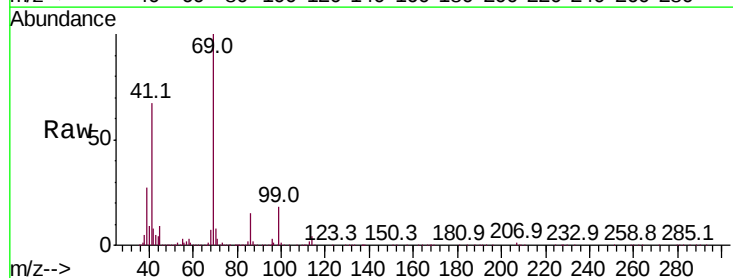
Manual Integrations
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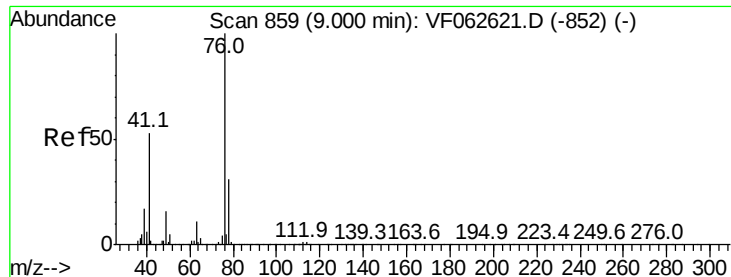
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#56
Ethyl methacrylate
Concen: 51.938 ug/l
RT: 8.76 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		343329		
41	67.1	51.4	77.2		
39	27.0	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 54.671 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 516683

Ion Ratio Lower Upper

76 100

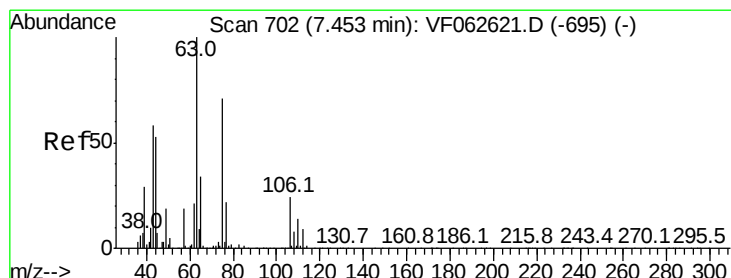
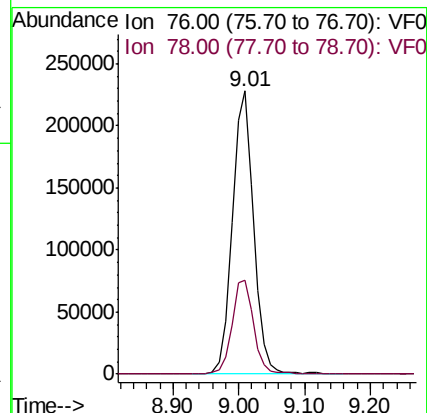
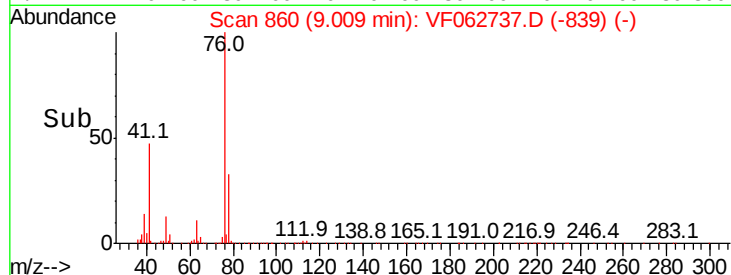
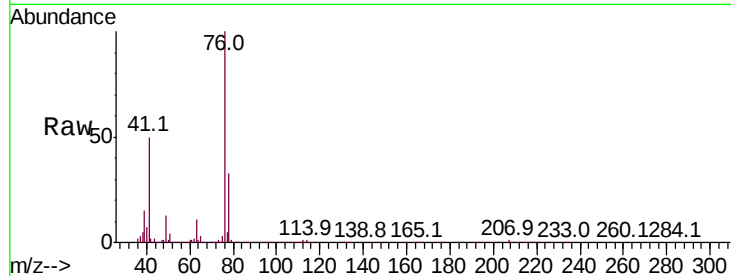
78 33.1 25.4 38.0

Manual Integrations

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5/24/2019 11:16:23 AM



#58

2-Chloroethyl Vinyl ether

Concen: 265.481 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062737.D

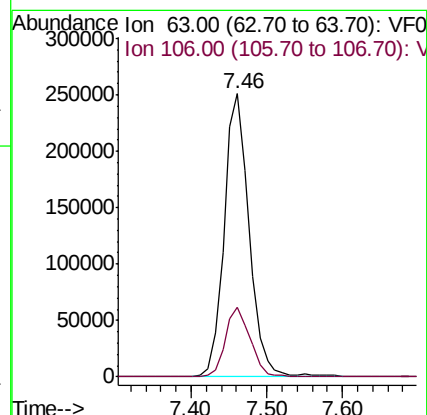
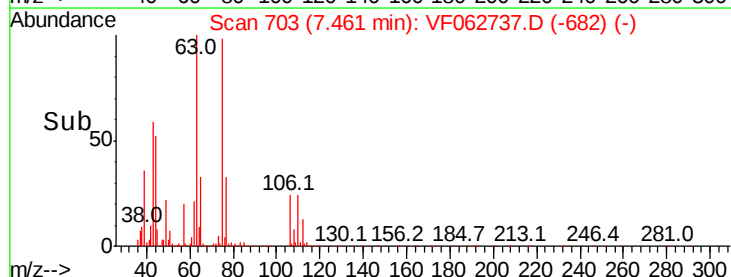
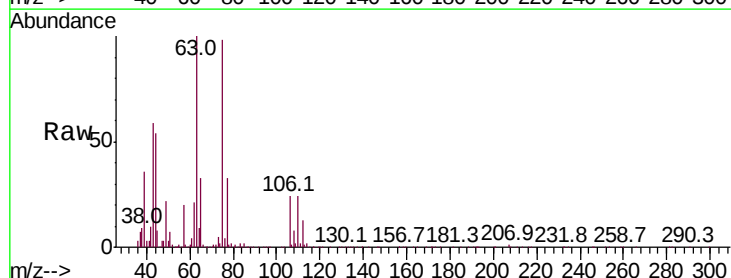
Acq: 23 May 2019 20:31

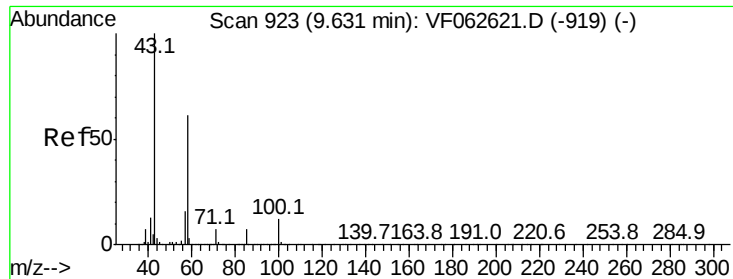
Tgt Ion: 63 Resp: 571228

Ion Ratio Lower Upper

63 100

106 24.5 19.1 28.7





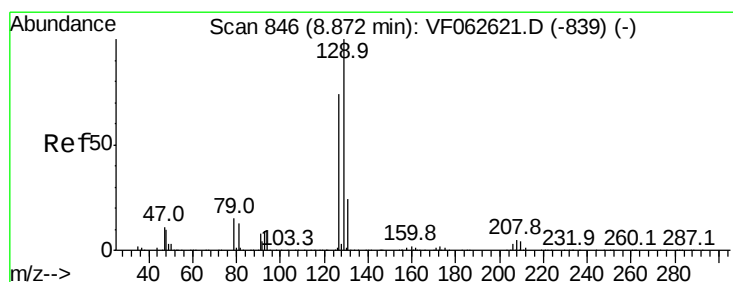
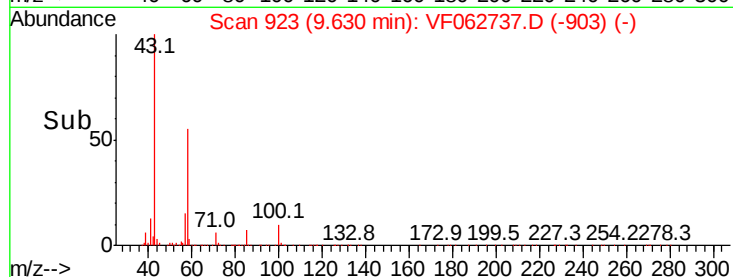
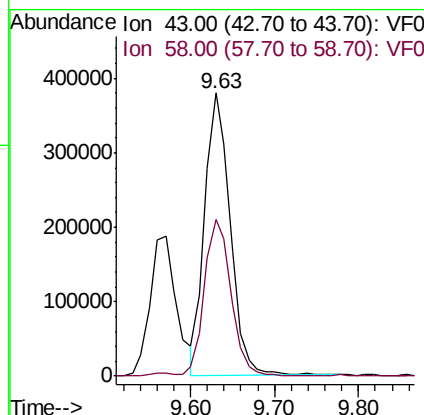
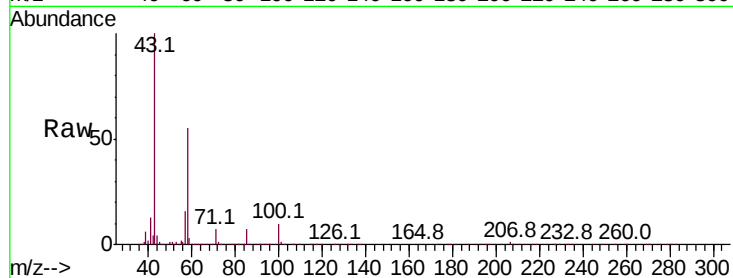
#59
2-Hexanone
Concen: 258.823 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 796651
Ion Ratio Lower Upper
43 100
58 55.2 28.1 84.4

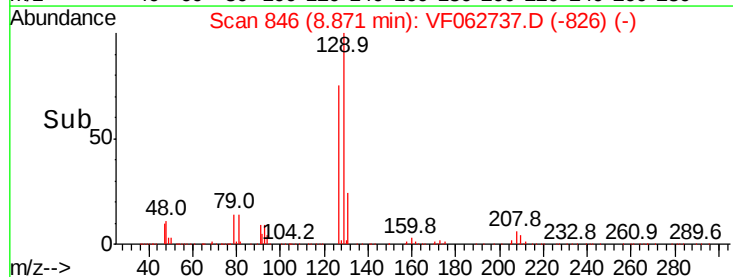
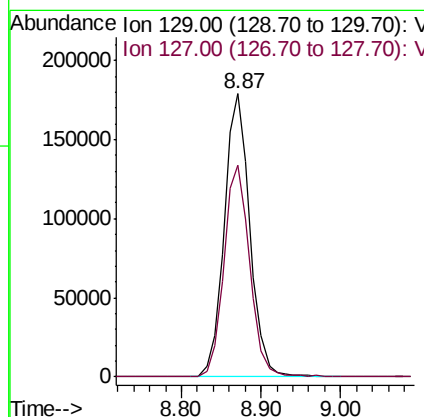
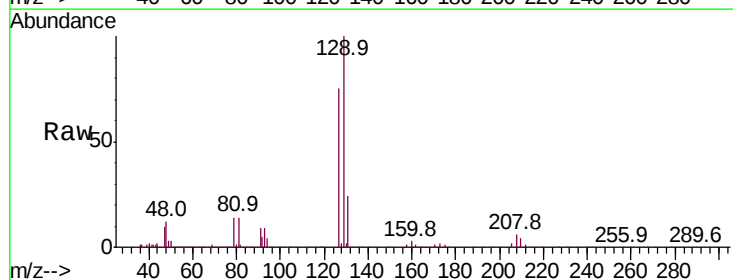
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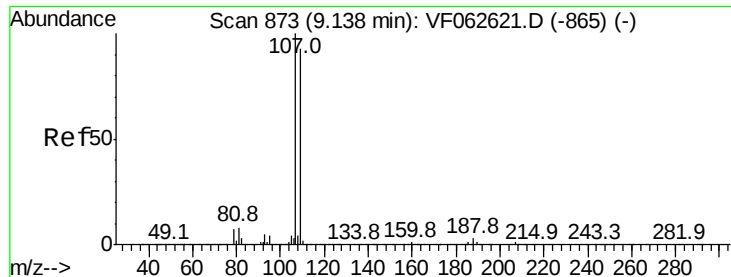
MMDadoda
5/24/2019 11:16:23 AM



#60
Dibromochloromethane
Concen: 56.021 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion: 129 Resp: 405117
Ion Ratio Lower Upper
129 100
127 74.8 37.2 111.6





#61

1,2-Dibromoethane

Concen: 56.841 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:107 Resp: 334984

Ion Ratio Lower Upper

107 100

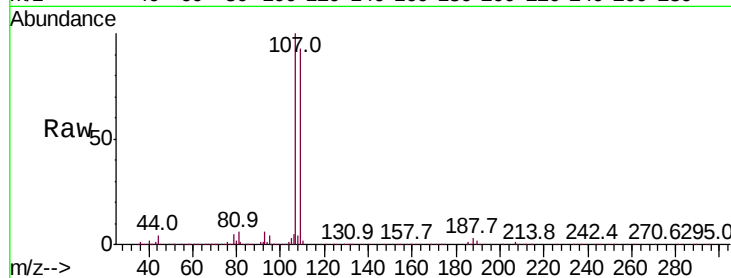
109 92.8 74.8 112.2

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

150000

100000

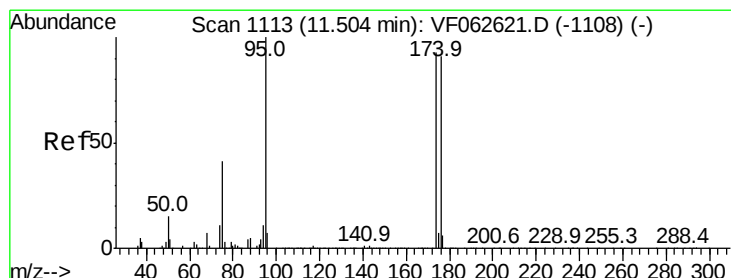
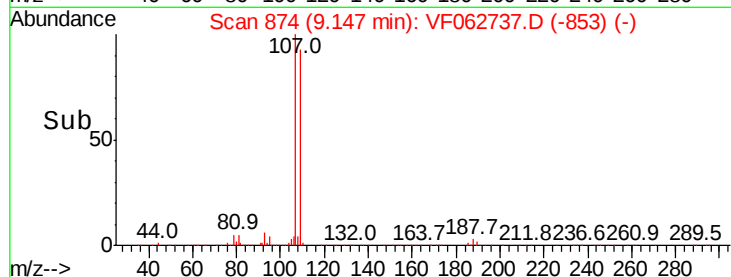
50000

0

9.15

9.10 9.20 9.30

Time-->



#62

4-Bromofluorobenzene

Concen: 42.853 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

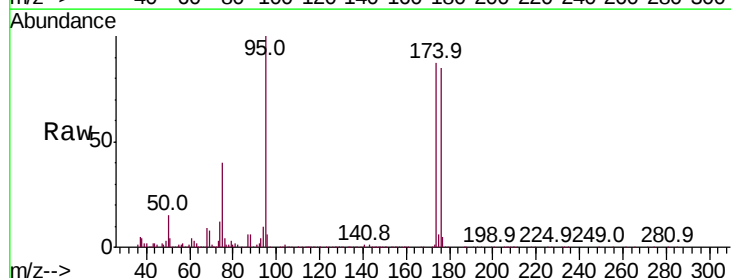
Tgt Ion: 95 Resp: 380089

Ion Ratio Lower Upper

95 100

174 86.7 0.0 185.6

176 84.5 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

300000

250000

200000

150000

100000

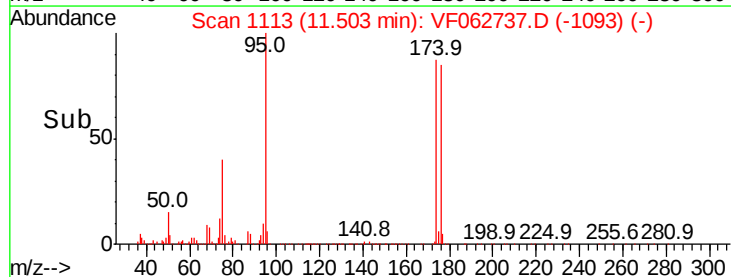
50000

0

11.50

11.40 11.50 11.60

Time-->





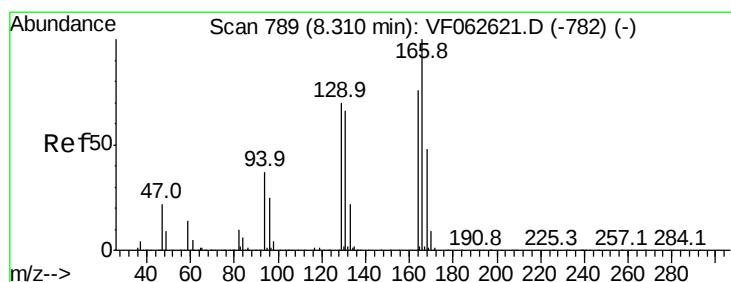
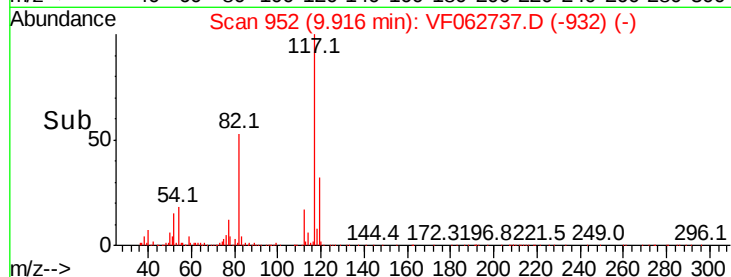
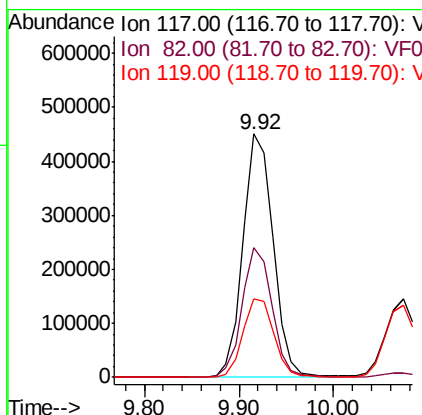
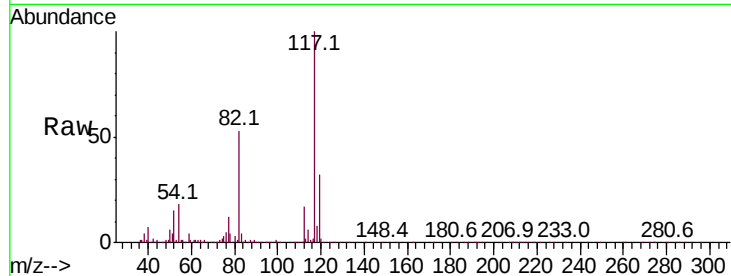
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	43.3	64.9
119	32.4	27.4	41.0

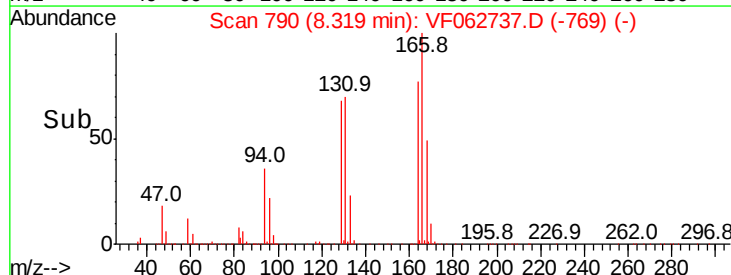
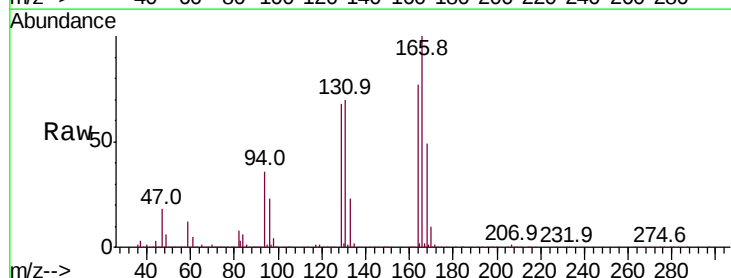
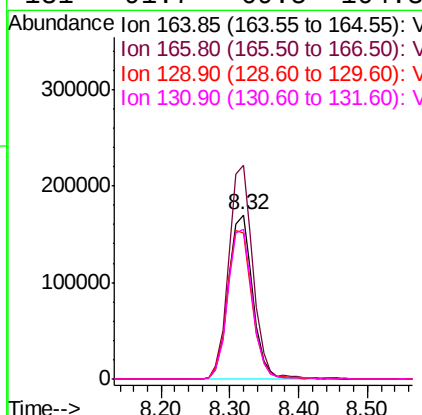
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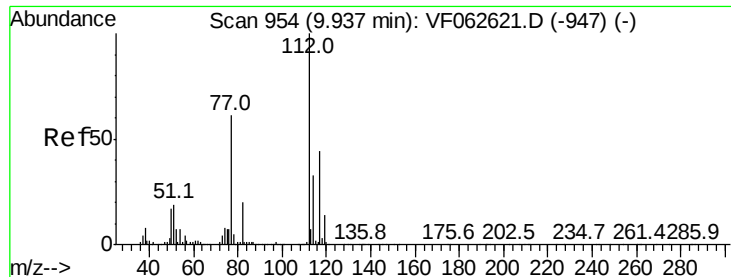
MMDadoda
5/24/2019 11:16:23 AM



#64
Tetrachloroethene
Concen: 52.167 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	105.5	158.3
129	89.2	73.8	110.6
131	91.7	69.5	104.3





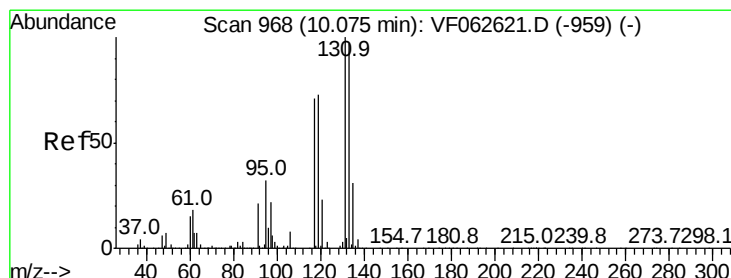
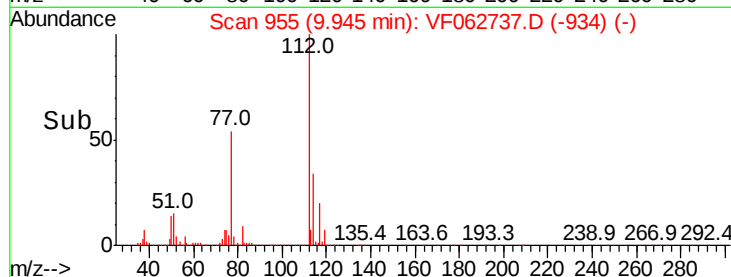
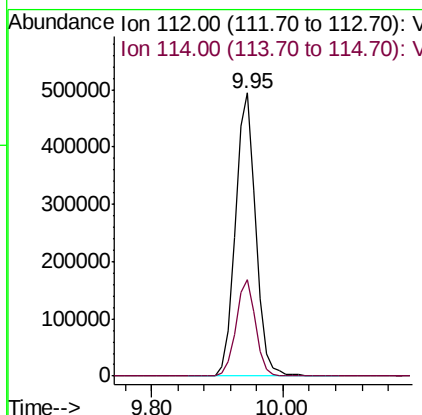
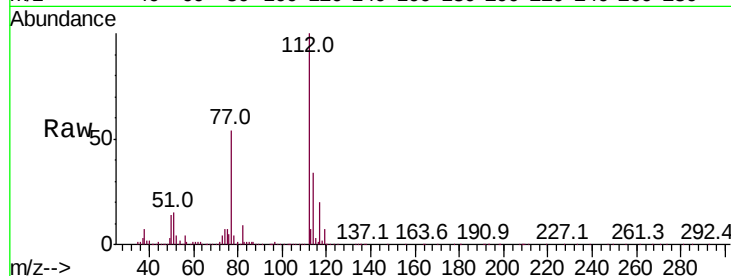
#65
Chlorobenzene
Concen: 54.457 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 1070774
Ion Ratio Lower Upper
112 100
114 34.1 26.8 40.2

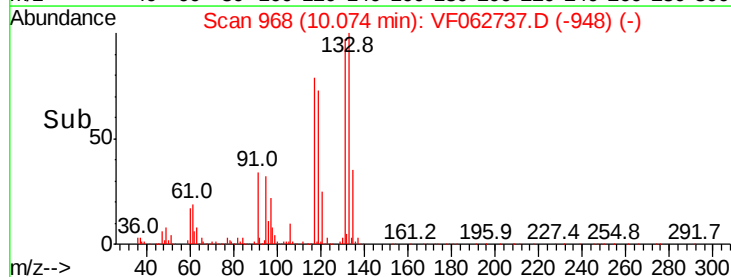
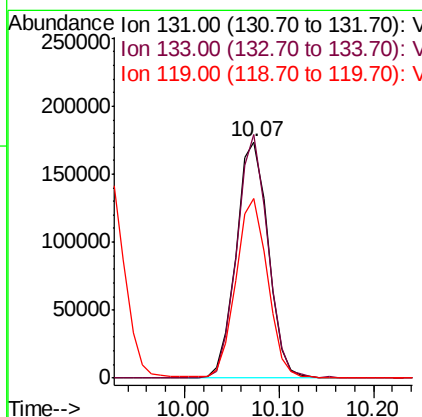
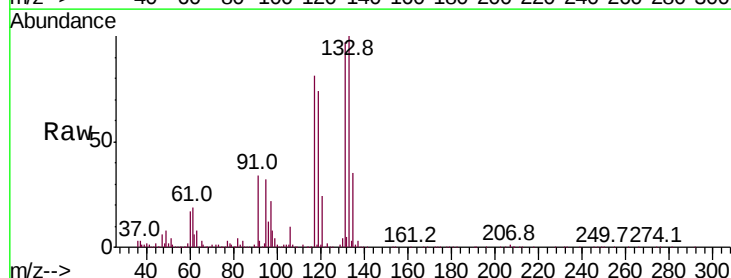
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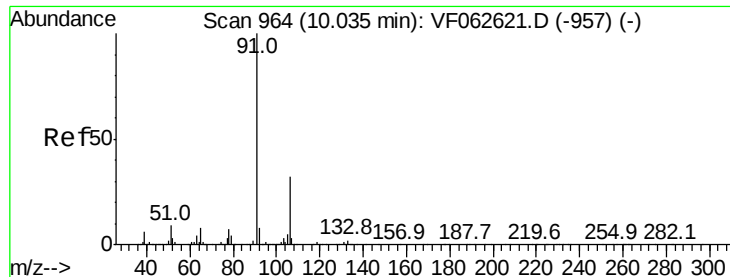
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.917 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion:131 Resp: 409815
Ion Ratio Lower Upper
131 100
133 102.9 48.5 145.5
119 76.1 36.8 110.4





#67

Ethyl Benzene

Concen: 53.782 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1837107

Ion Ratio Lower Upper

91 100

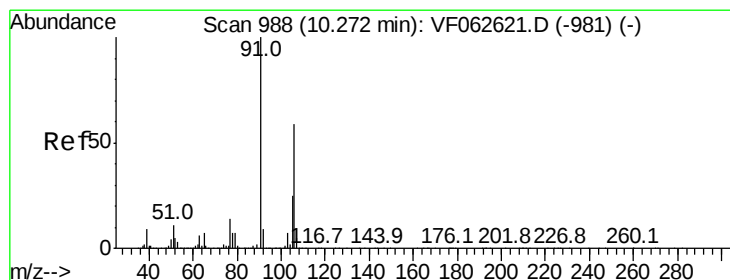
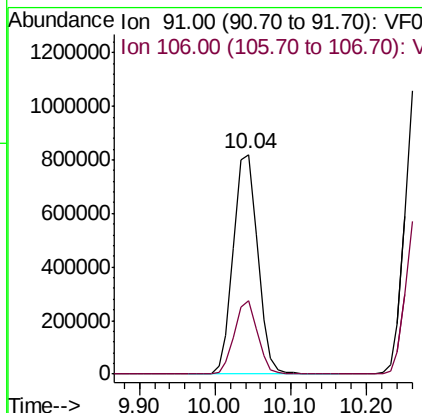
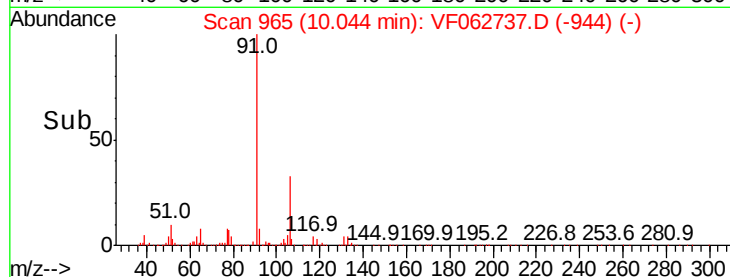
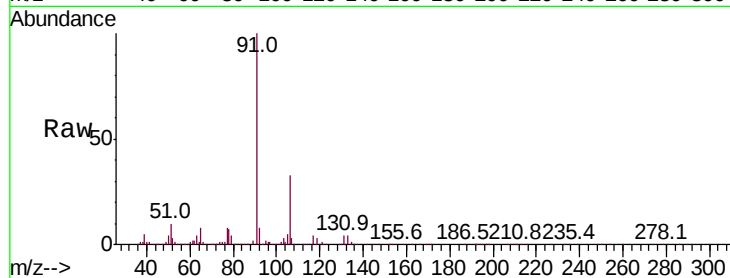
106 33.5 25.8 38.8

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5/24/2019 11:16:23 AM



#68

m/p-Xylenes

Concen: 107.971 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF062737.D

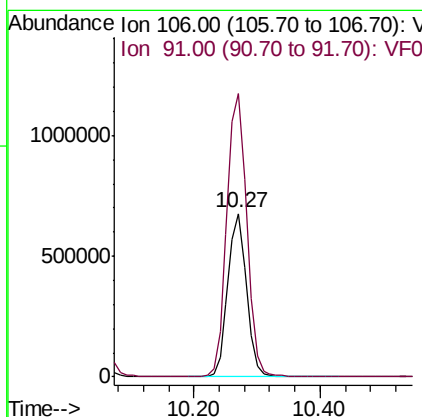
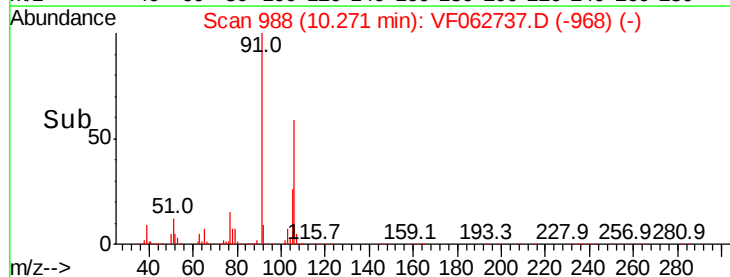
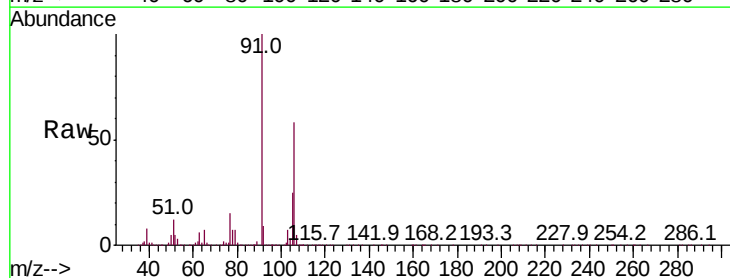
Acq: 23 May 2019 20:31

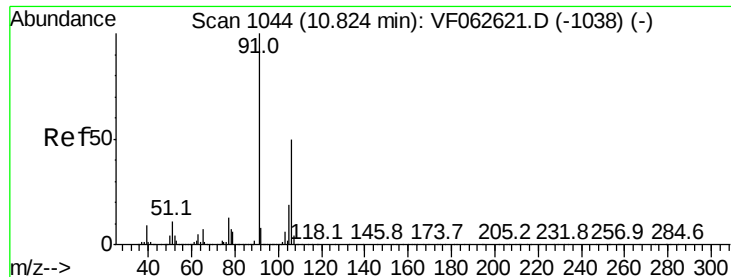
Tgt Ion: 106 Resp: 1386167

Ion Ratio Lower Upper

106 100

91 173.5 136.9 205.3





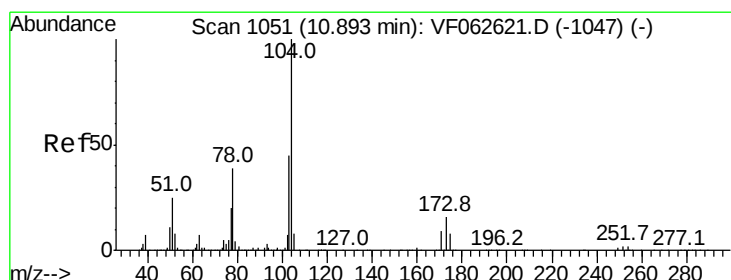
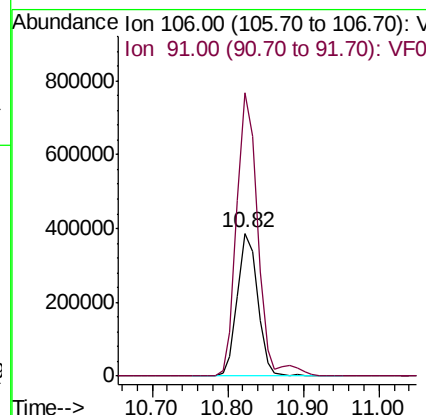
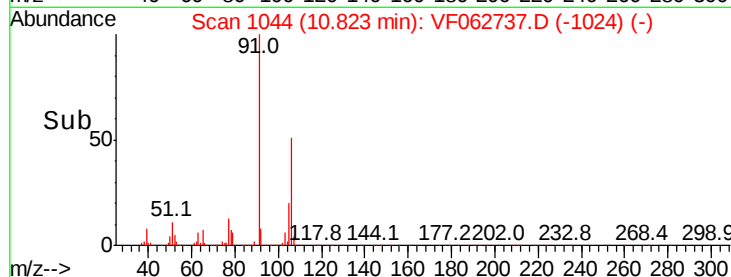
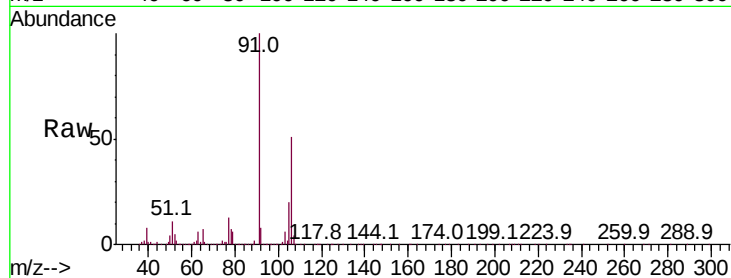
#69
o-Xylene
Concen: 54.116 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.7	100.2	300.5

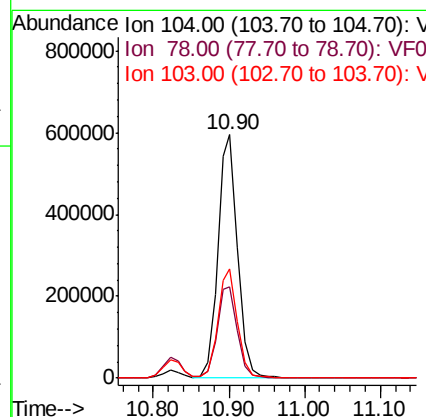
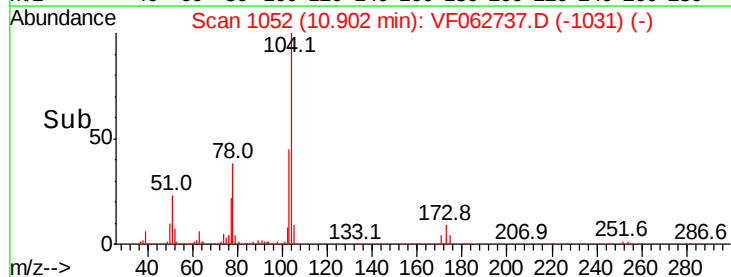
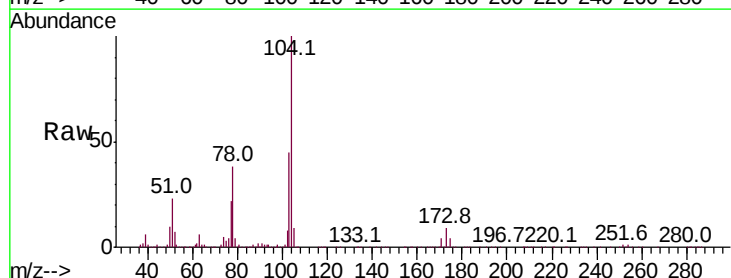
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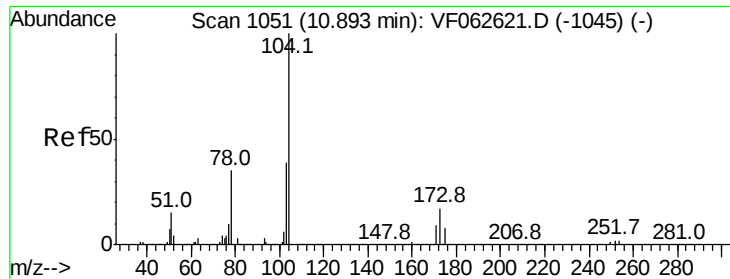
MMDadoda
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#70
Styrene
Concen: 53.807 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
104	100		
78	37.7	31.9	47.9
103	45.1	36.1	54.1





#71

Bromoform

Concen: 54.531 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

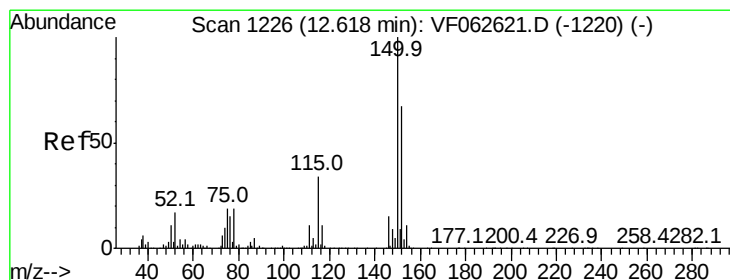
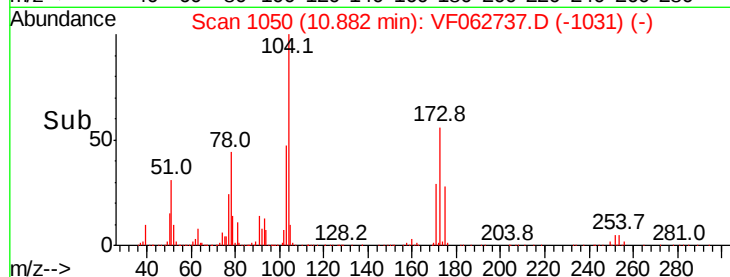
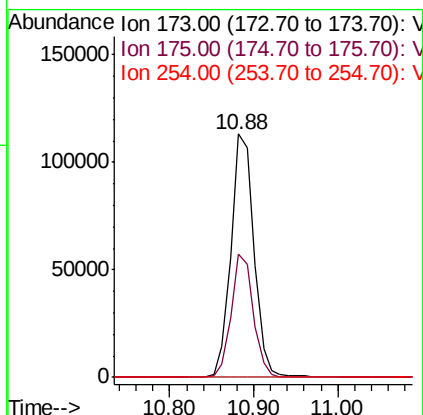
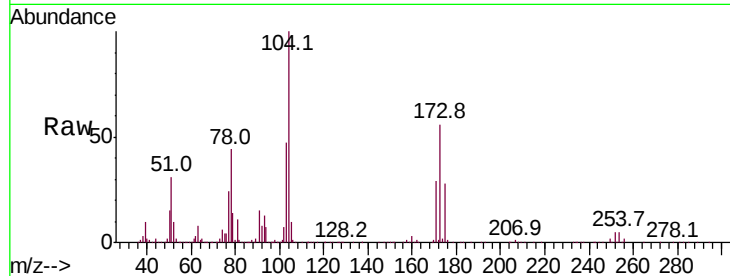
ClientSampleId :

VSTDCCC050EC

Tot Ion:	173	Resp:	215583
Ion Ratio	Lower	Upper	
173	100		
175	51.9	25.3	75.9
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

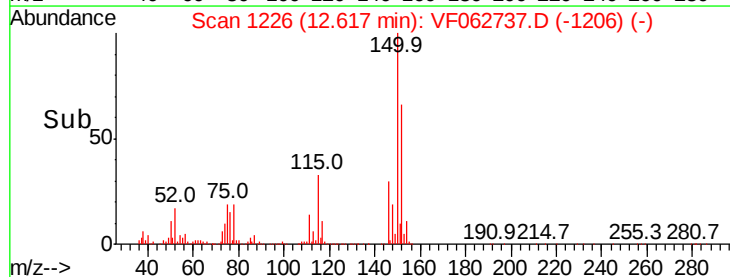
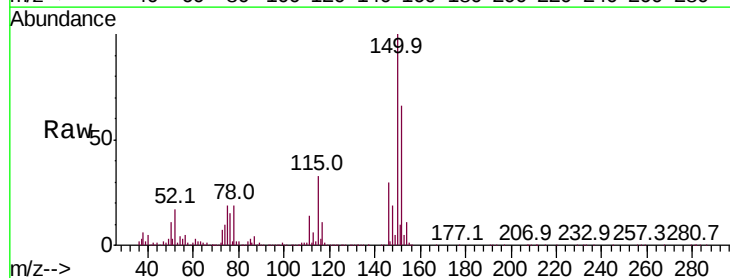
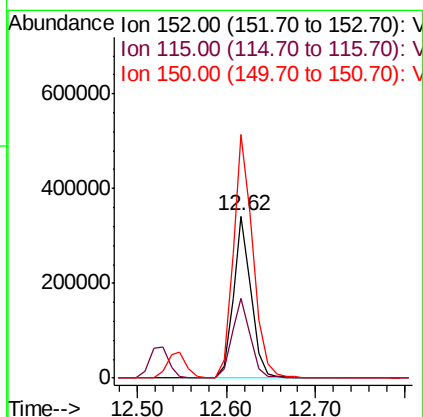
RT: 12.62 min Scan# 1226

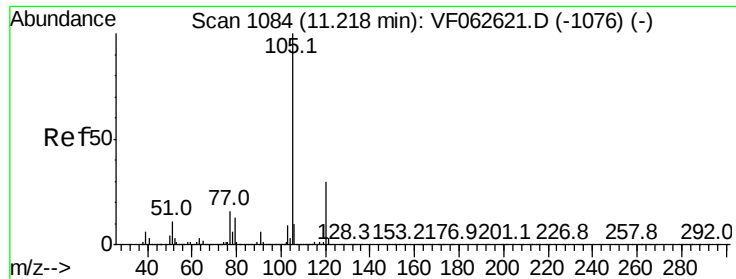
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	152	Resp:	475502
Ion Ratio	Lower	Upper	
152	100		
115	49.6	25.2	75.6
150	150.6	0.0	306.2





#73

Isopropylbenzene

Concen: 54.102 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1843782

Ion Ratio Lower Upper

105 100

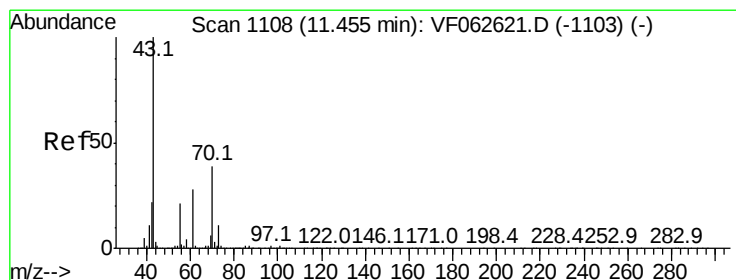
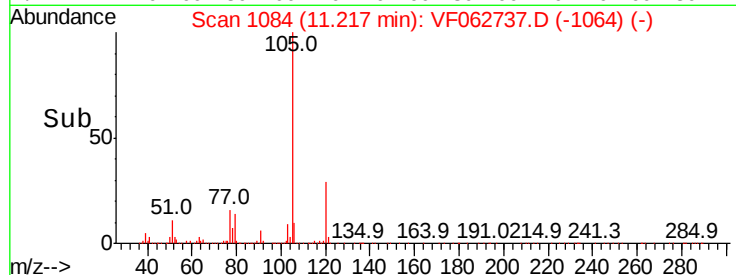
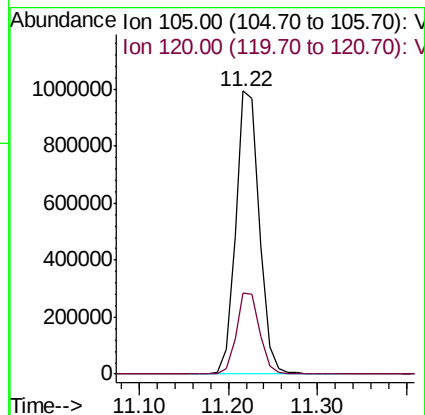
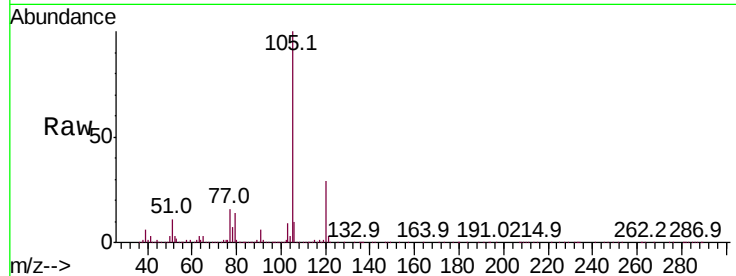
120 28.7 14.8 44.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 57.055 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion: 43 Resp: 488135

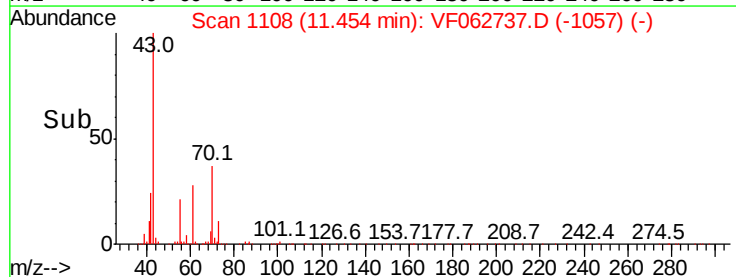
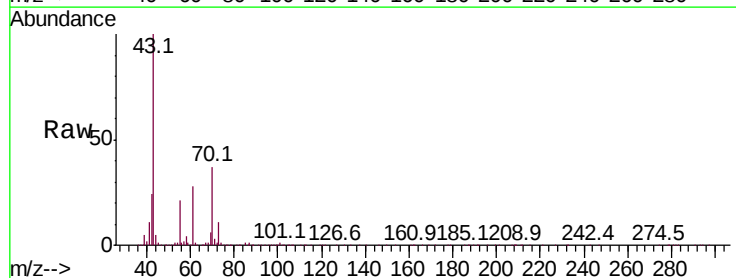
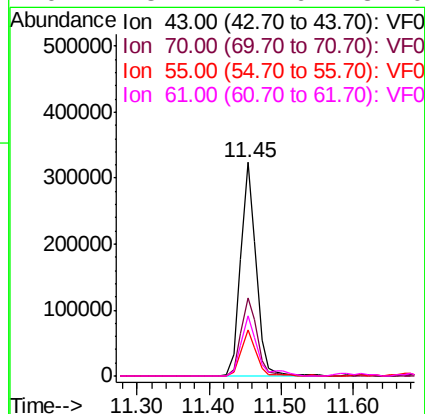
Ion Ratio Lower Upper

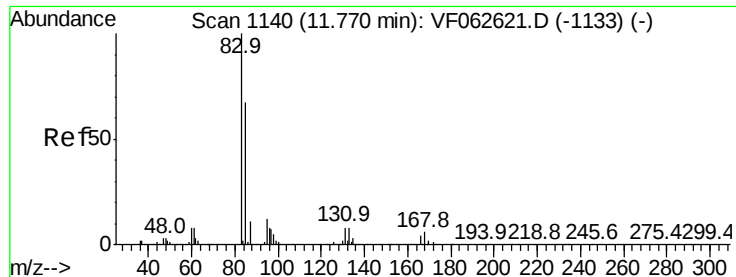
43 100

70 36.8 30.9 46.3

55 21.4 17.0 25.4

61 28.1 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.446 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

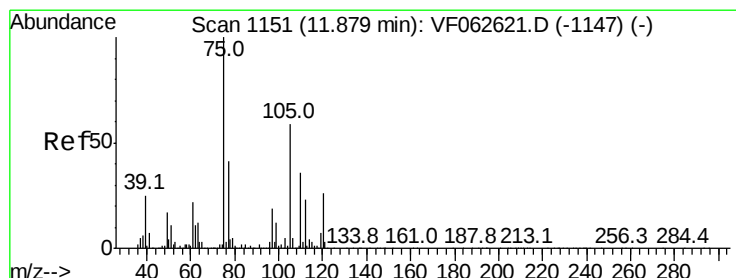
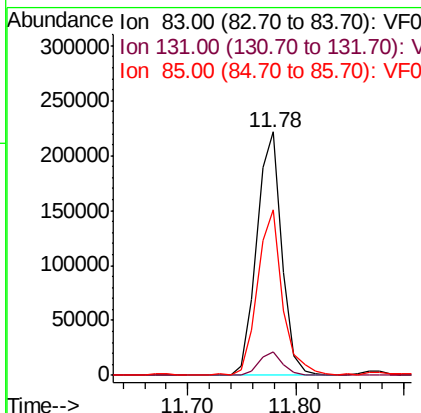
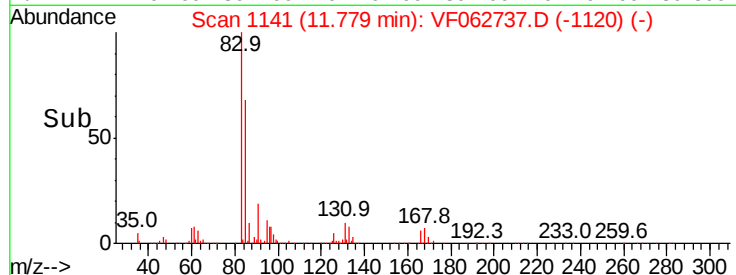
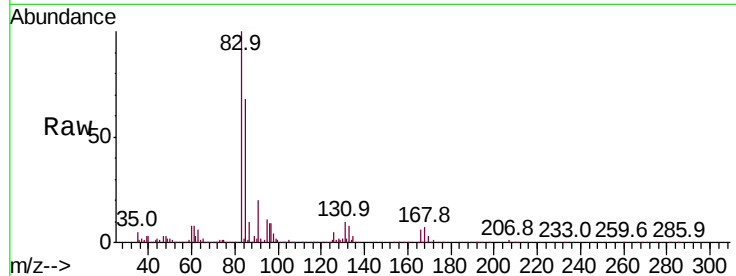
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	358305
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.0	12.0
85	68.0	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.446 ug/l

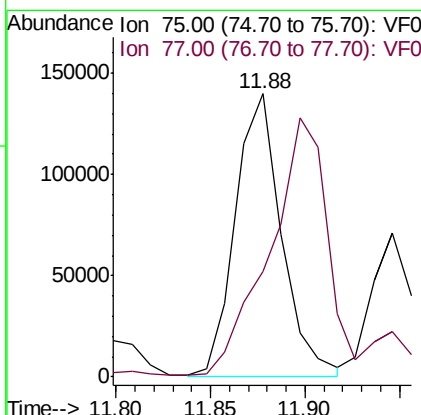
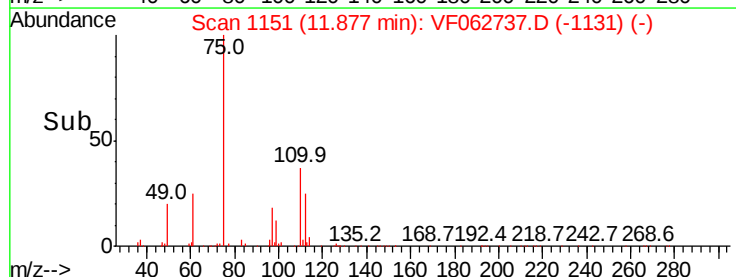
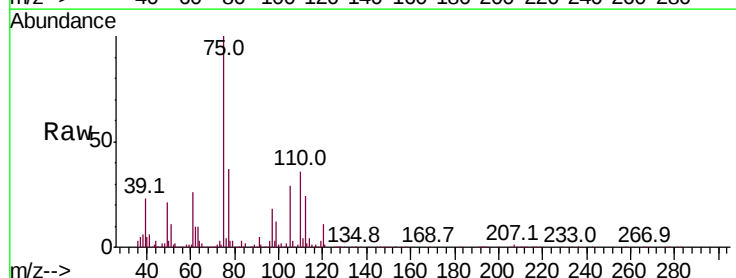
RT: 11.88 min Scan# 1151

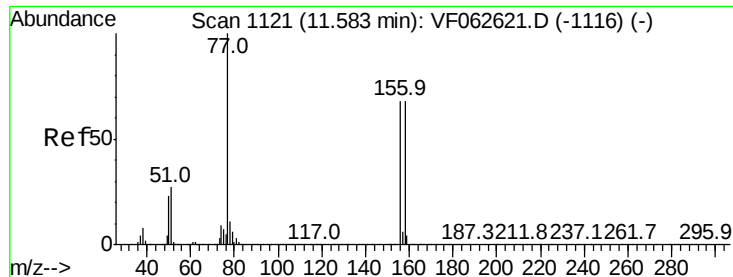
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	75	Resp:	235428
Ion Ratio	Lower	Upper	
75	100		
77	37.2	20.6	61.8





#77

Bromobenzene

Concen: 53.724 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

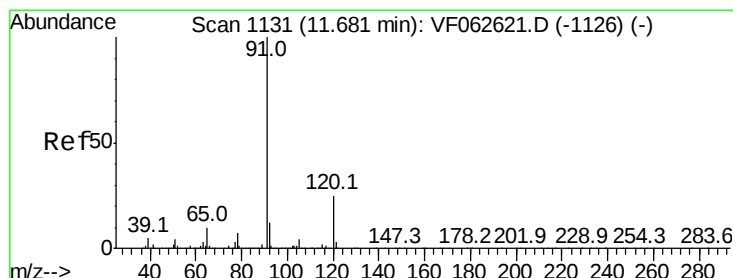
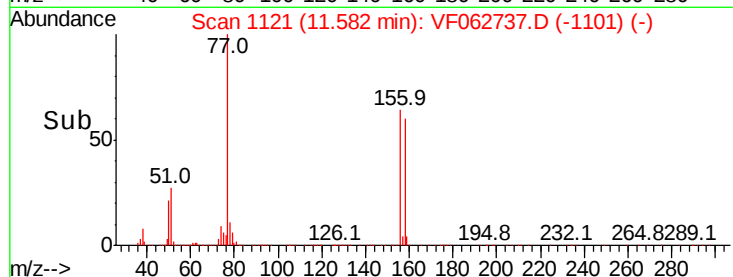
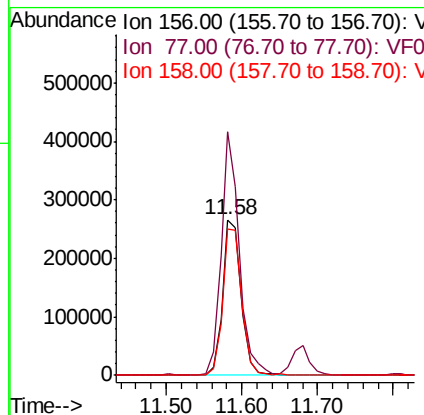
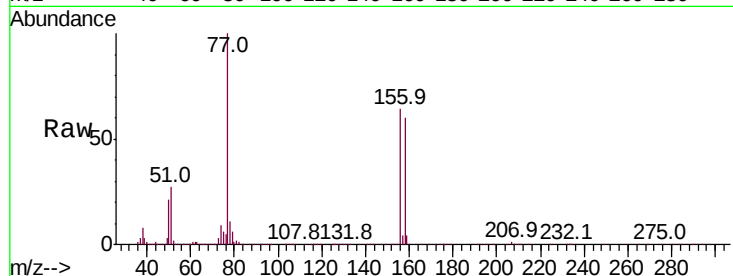
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	455107
Ion Ratio	Lower	Upper	
156	100		
77	156.2	73.6	220.8
158	93.9	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 51.674 ug/l

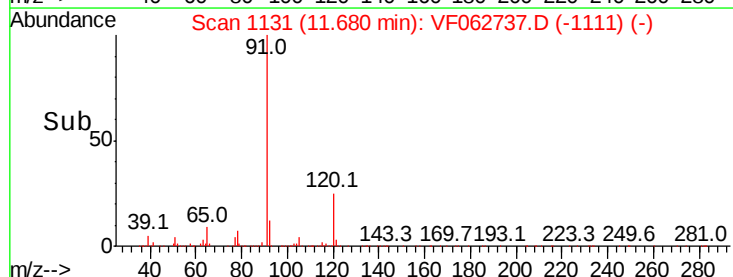
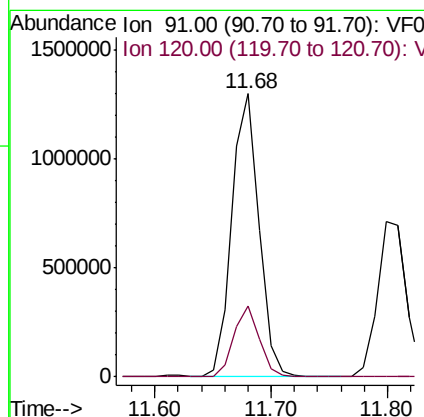
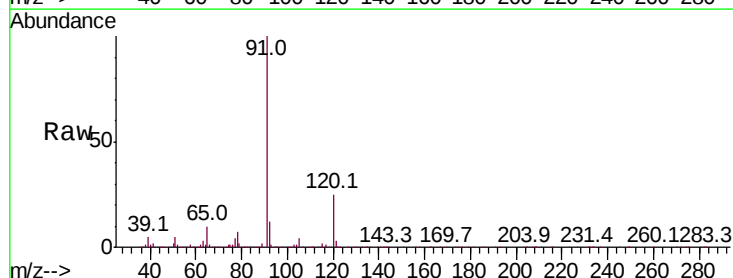
RT: 11.68 min Scan# 1131

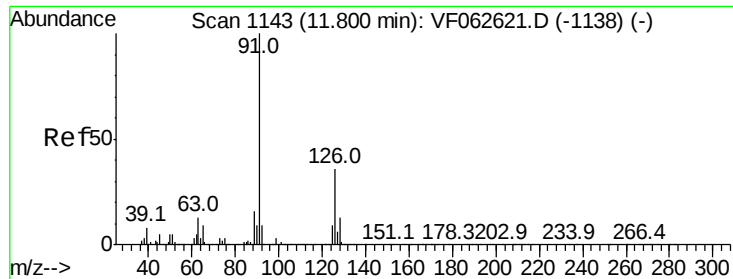
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	91	Resp:	2084147
Ion Ratio	Lower	Upper	
91	100		
120	25.3	12.7	38.1





#79

2-Chlorotoluene

Concen: 53.172 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1208611

Ion Ratio Lower Upper

91 100

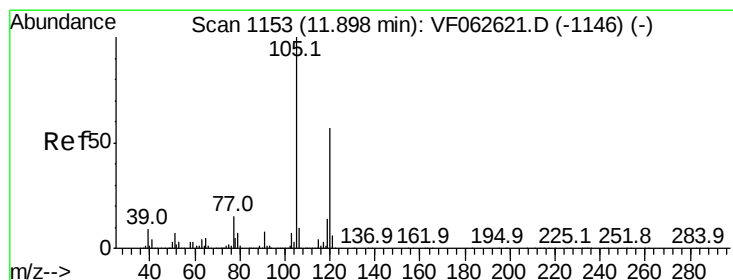
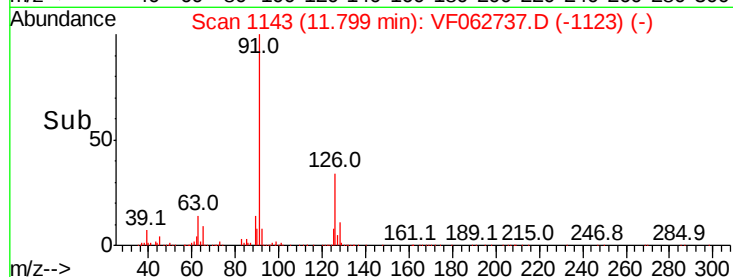
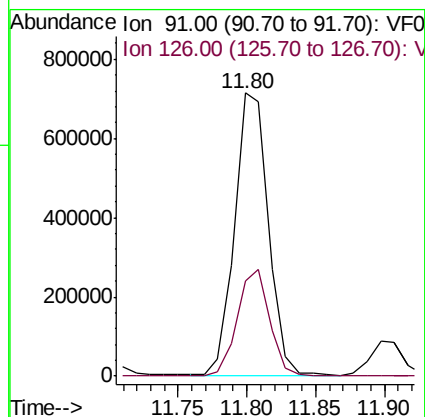
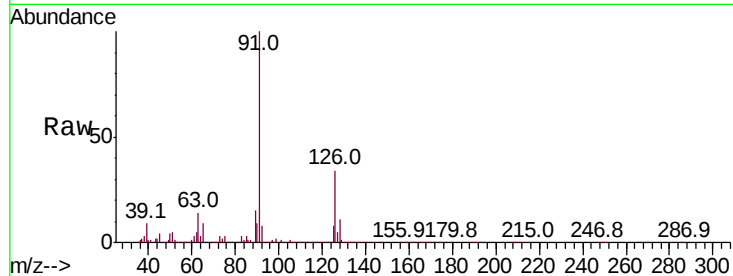
126 33.5 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 54.248 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062737.D

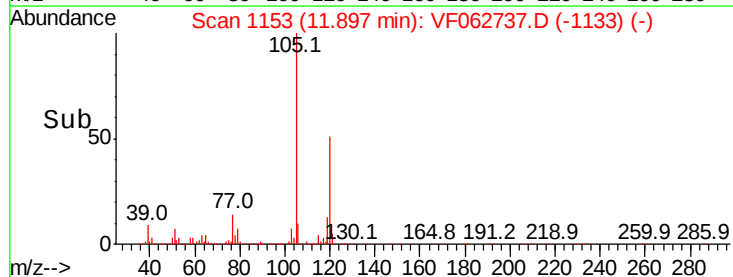
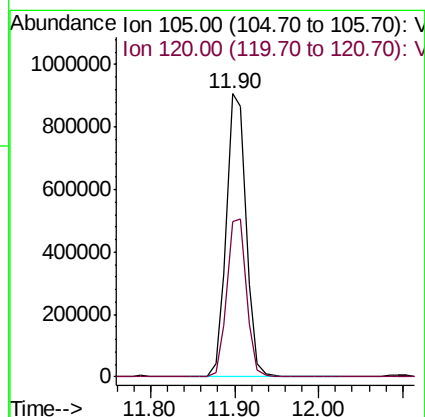
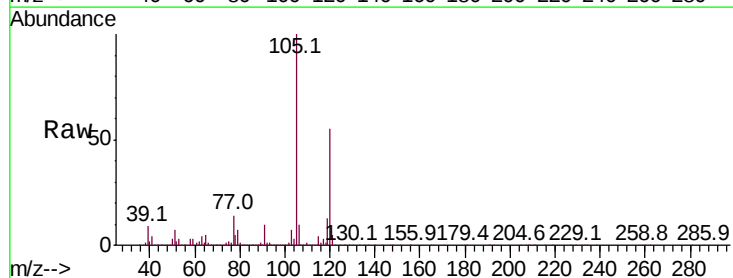
Acq: 23 May 2019 20:31

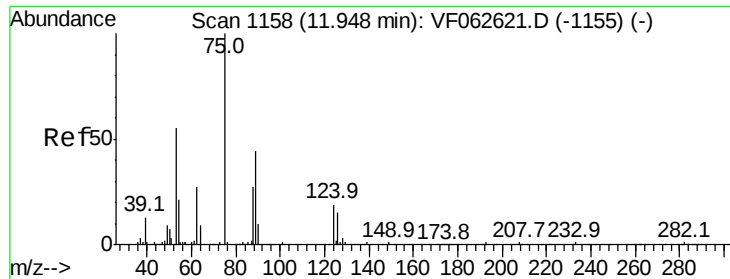
Tgt Ion: 105 Resp: 1482428

Ion Ratio Lower Upper

105 100

120 54.9 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 54.932 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

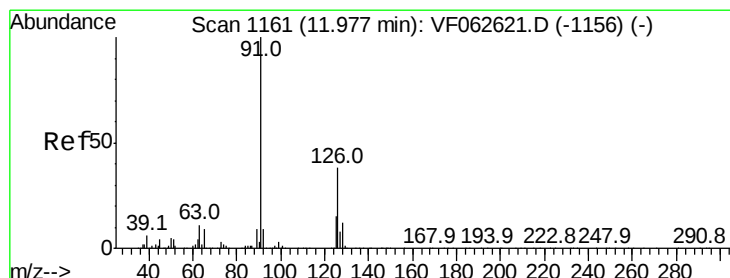
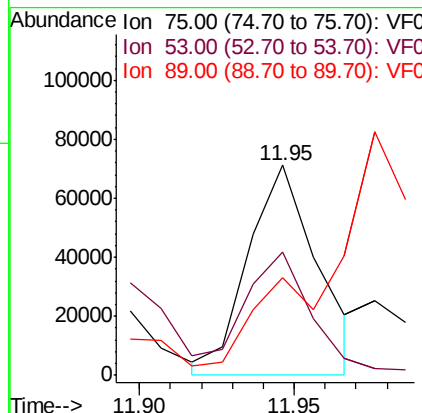
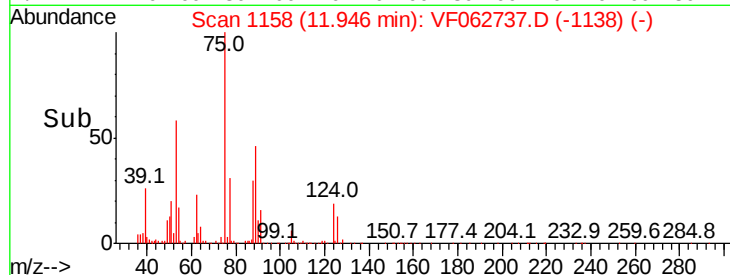
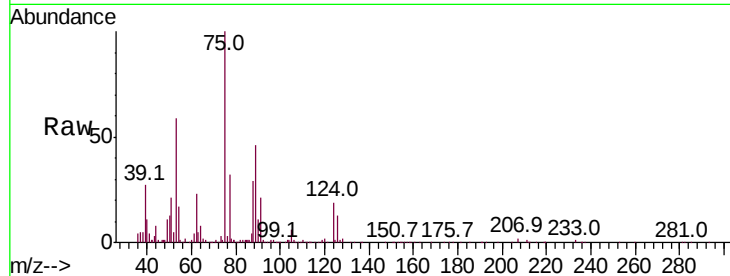
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	111741
Ion Ratio	Lower	Upper	
75	100		
53	58.7	46.9	70.3
89	46.3	36.4	54.6

Manual Integrations
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5/24/2019 11:16:23 AM



#82

4-Chlorotoluene

Concen: 56.065 ug/l

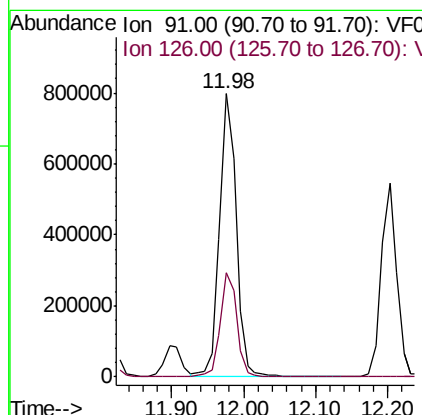
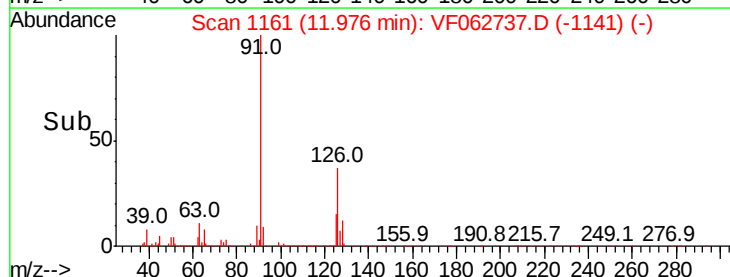
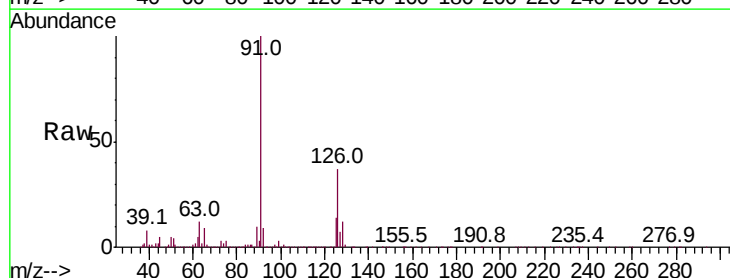
RT: 11.98 min Scan# 1161

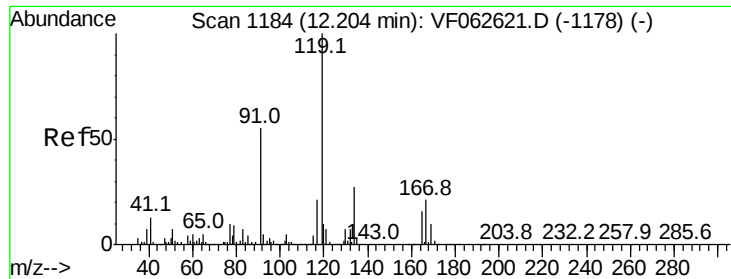
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	91	Resp:	1256687
Ion Ratio	Lower	Upper	
91	100		
126	36.7	19.1	57.1





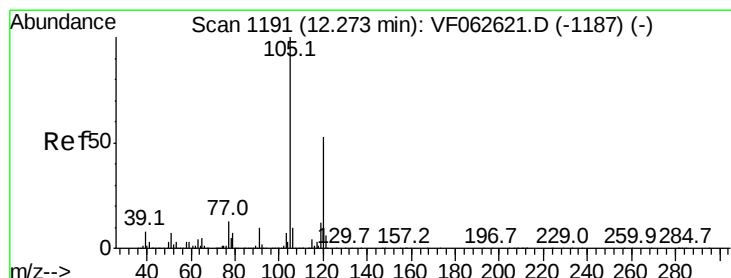
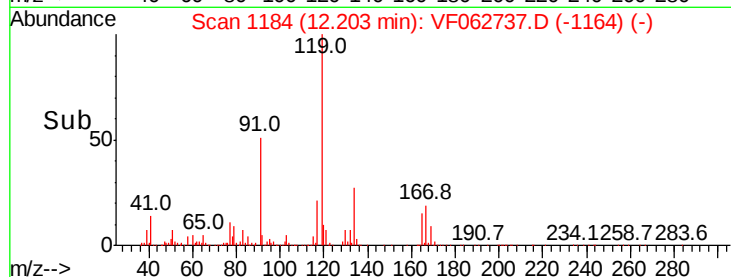
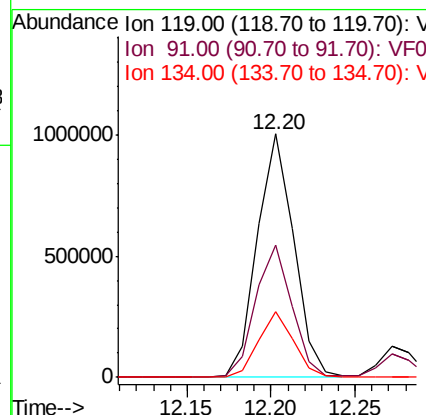
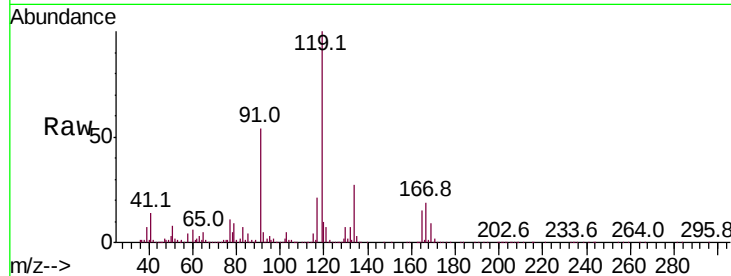
#83
tert-Butylbenzene
Concen: 54.732 ug/l
RT: 12.20 min Scan# 1184
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	54.4	27.3	81.9
134	26.9	13.6	40.7

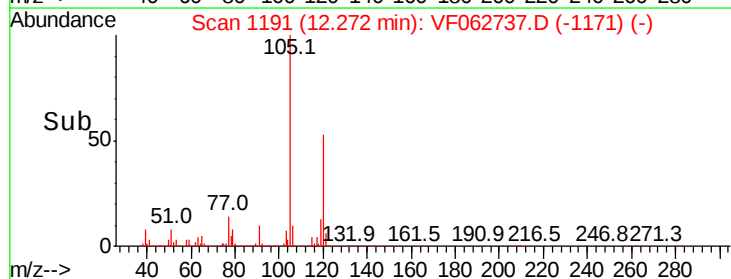
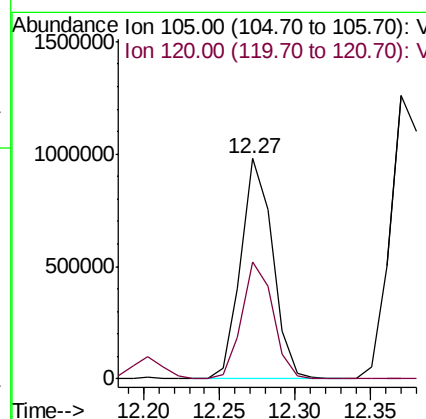
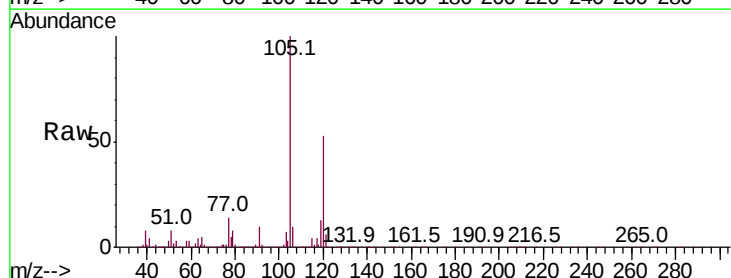
Manual Integrations
APPROVED

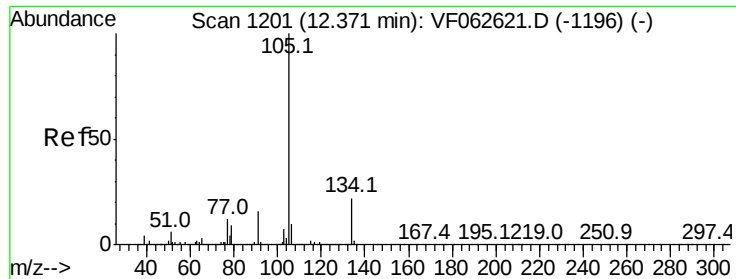
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 54.231 ug/l
RT: 12.27 min Scan# 1191
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	53.3	26.7	80.1





#85

sec-Butylbenzene

Concen: 53.345 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

ClientSampled :

VSTDCCC050EC

Tot Ion:105 Resp: 1984816

Ion Ratio Lower Upper

105 100

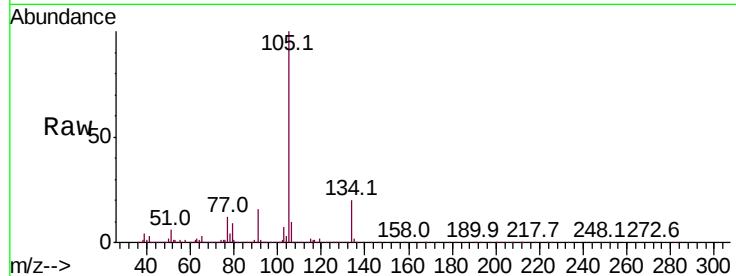
134 20.3 10.8 32.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

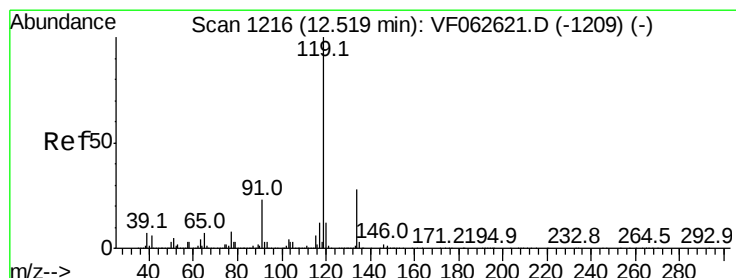
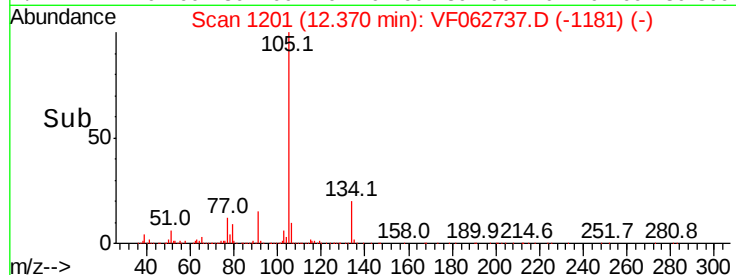
12.37

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 52.084 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

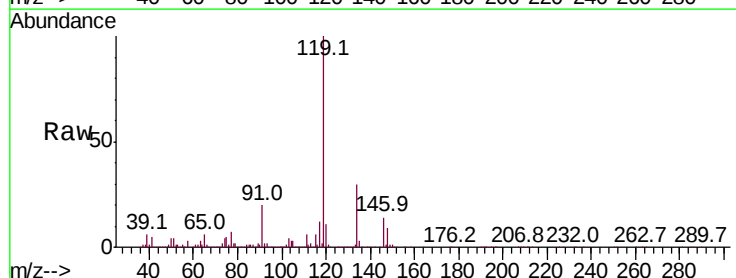
Tgt Ion:119 Resp: 1633154

Ion Ratio Lower Upper

119 100

134 29.8 14.1 42.3

91 20.0 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

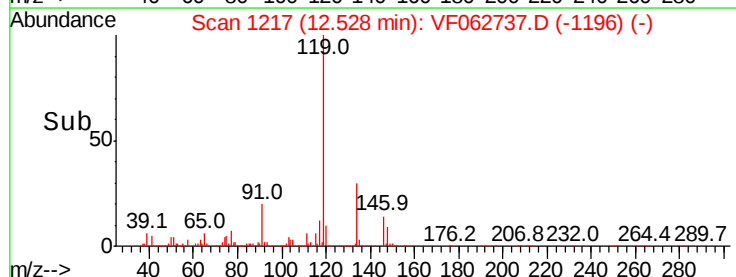
12.53

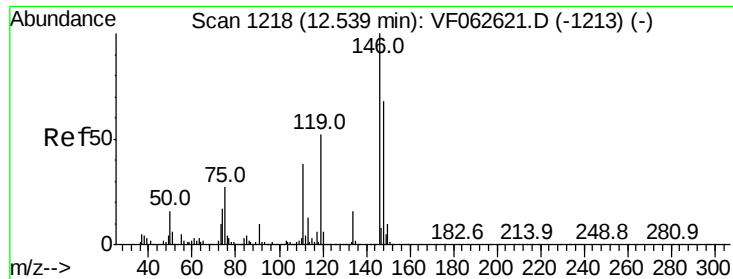
1000000

500000

0

Time-->





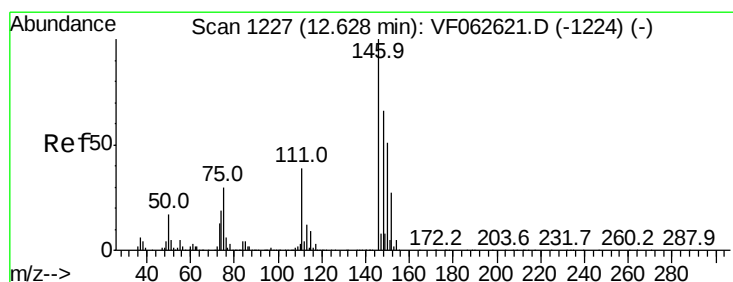
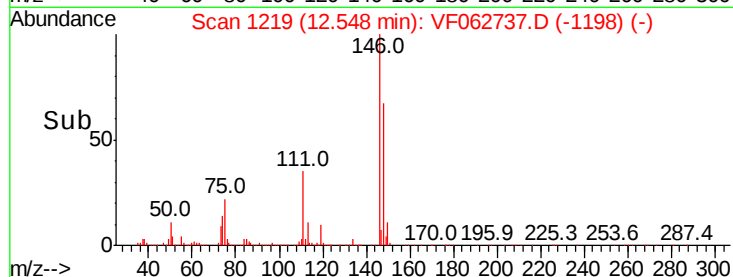
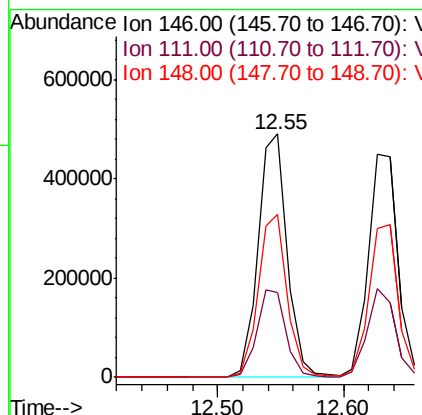
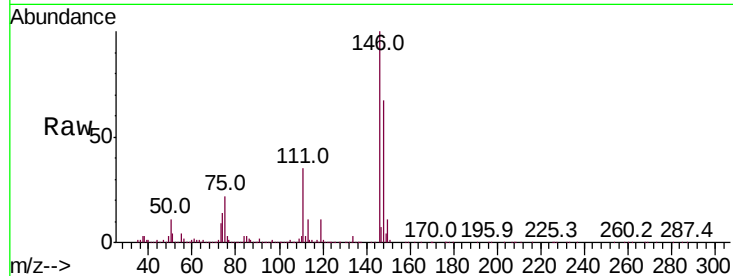
#87
 1,3-Dichlorobenzene
 Concen: 51.578 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.9	56.9
148	67.1	34.0	101.8

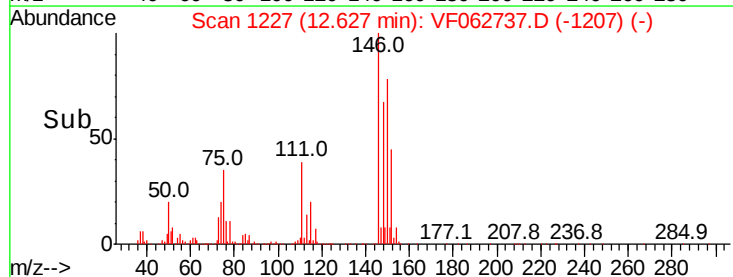
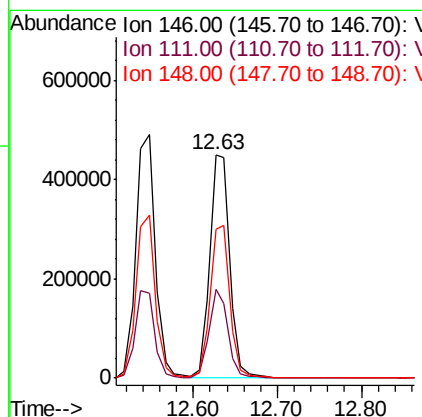
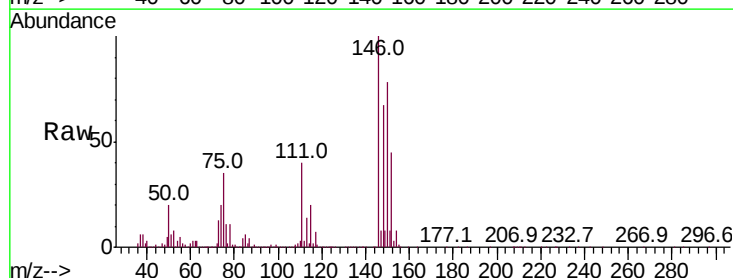
Manual Integrations
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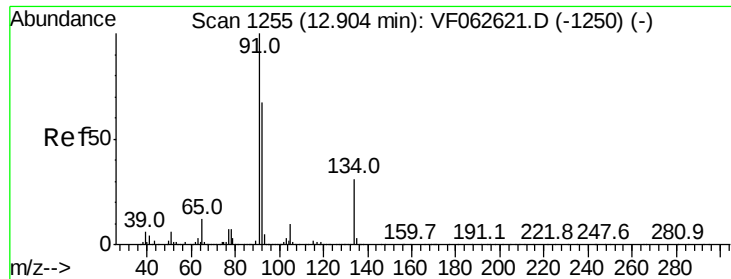
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 51.615 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.4	58.2
148	66.7	33.2	99.6





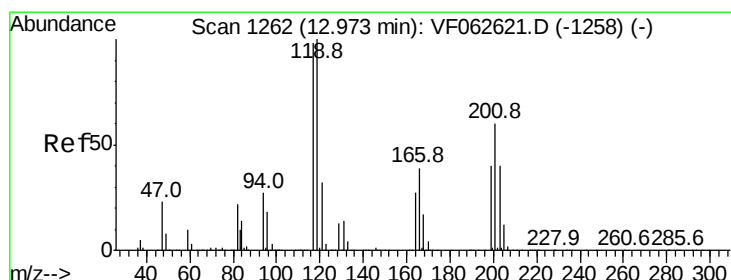
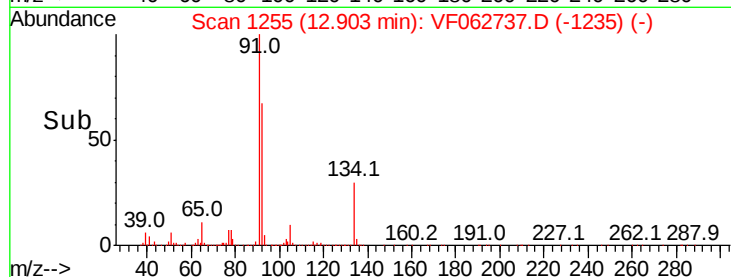
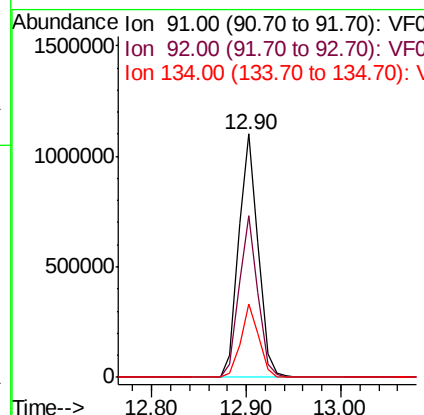
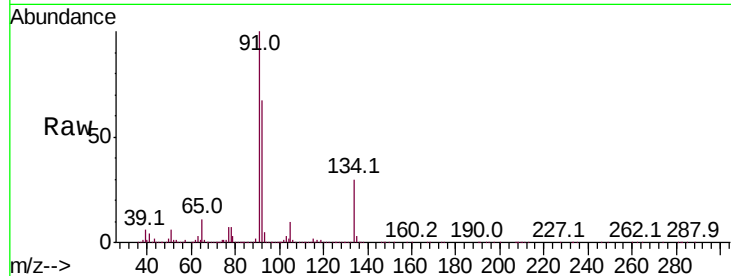
#89
n-Butylbenzene
Concen: 50.640 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	66.6	33.3	99.8
134	29.9	15.4	46.4

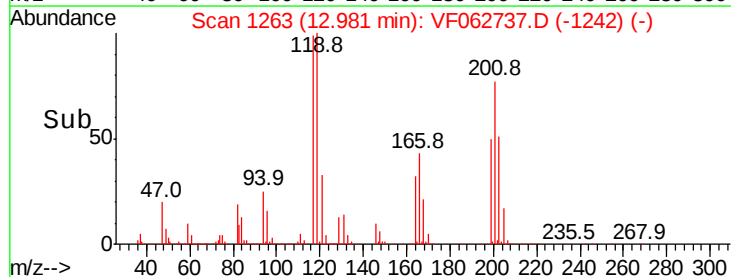
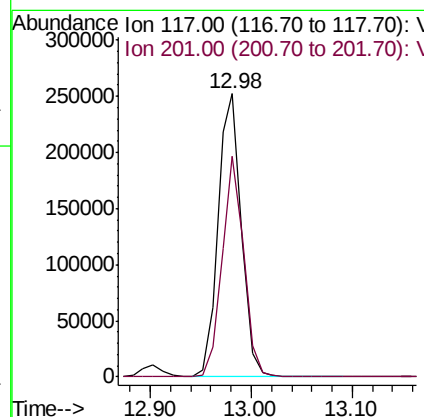
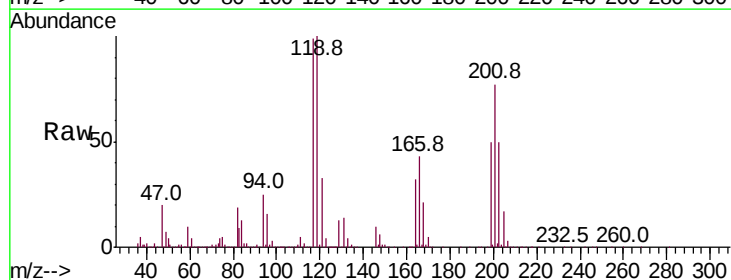
Manual Integrations
APPROVED

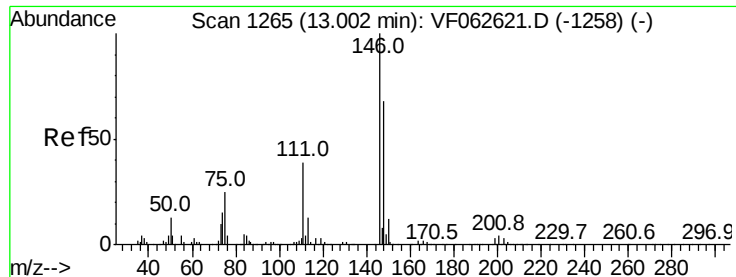
MMDadoda
5/24/2019 11:16:23 AM



#90
Hexachloroethane
Concen: 54.082 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062737.D
Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.7	30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 51.167 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

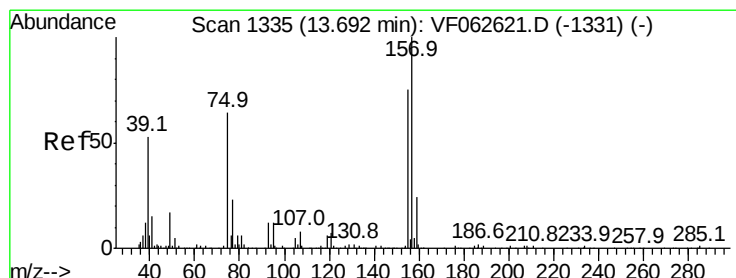
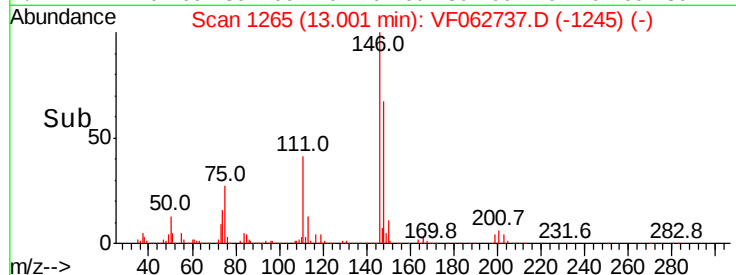
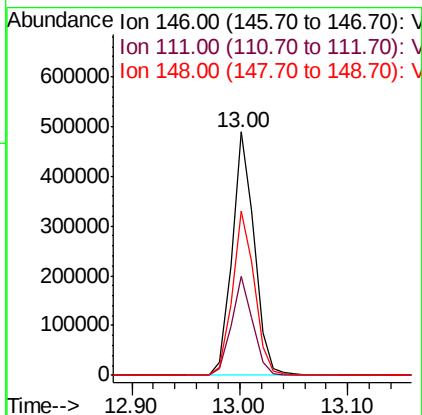
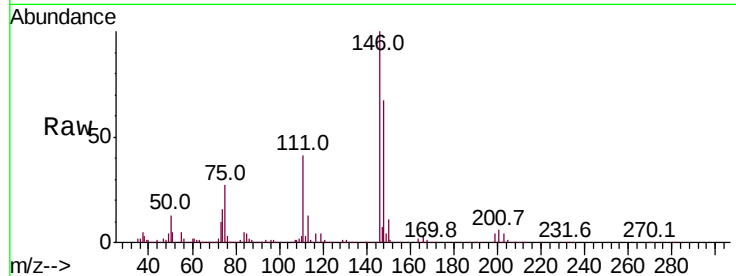
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	699032
Ion Ratio	Lower	Upper	
146	100		
111	40.9	19.8	59.3
148	67.4	34.1	102.2

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 51.088 ug/l

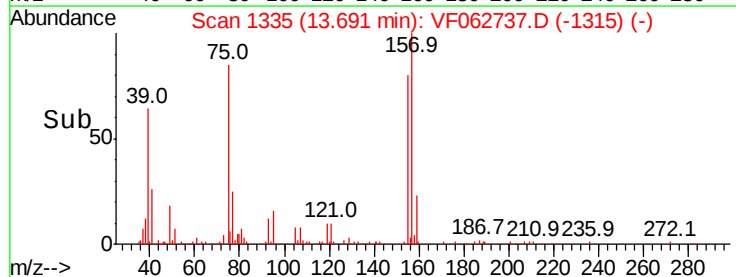
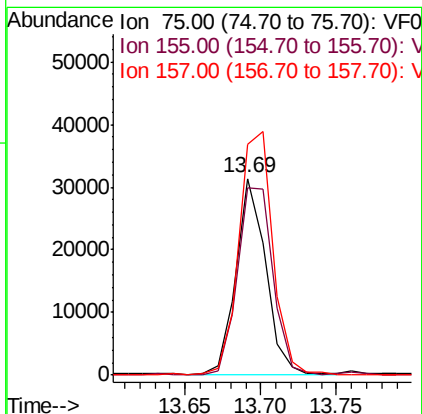
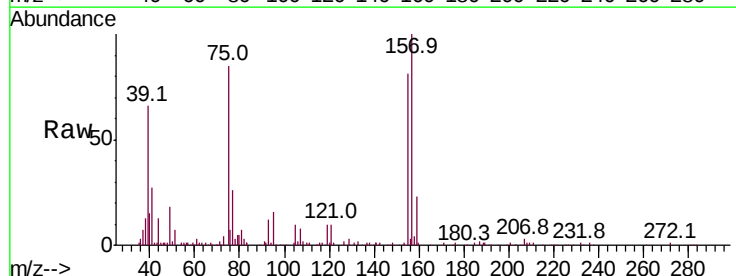
RT: 13.69 min Scan# 1335

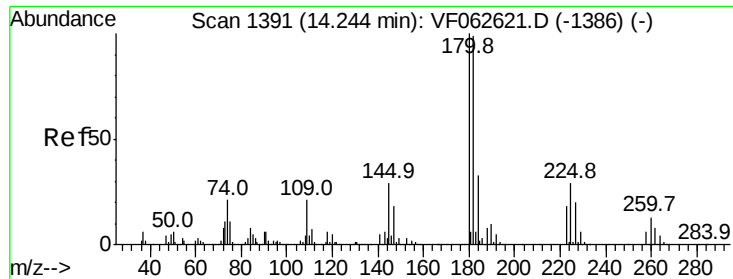
Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	75	Resp:	42447
Ion Ratio	Lower	Upper	
75	100		
155	95.0	58.1	174.3
157	117.7	77.8	233.4





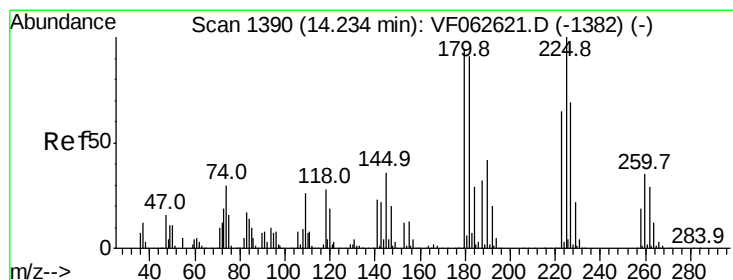
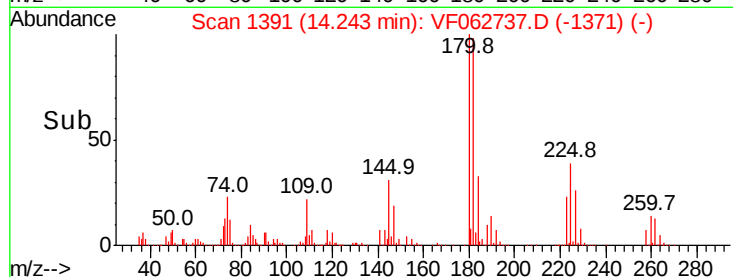
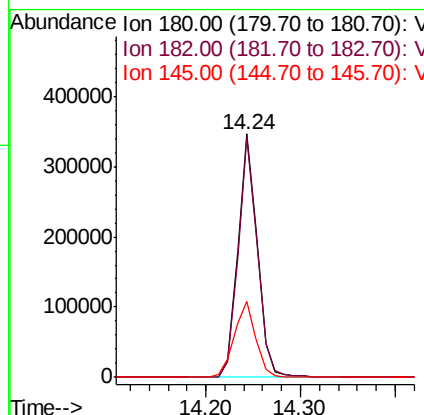
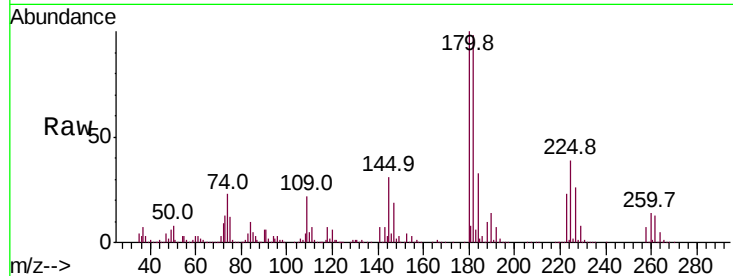
#93
 1,2,4-Trichlorobenzene
 Concen: 50.502 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	98.4	49.7	149.1	
145	31.4	14.6	44.0	

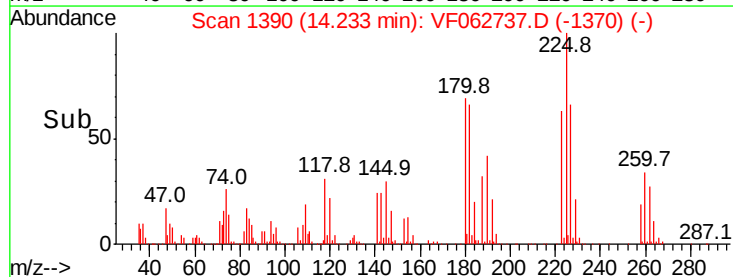
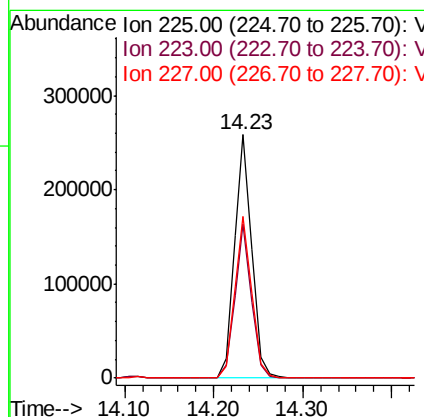
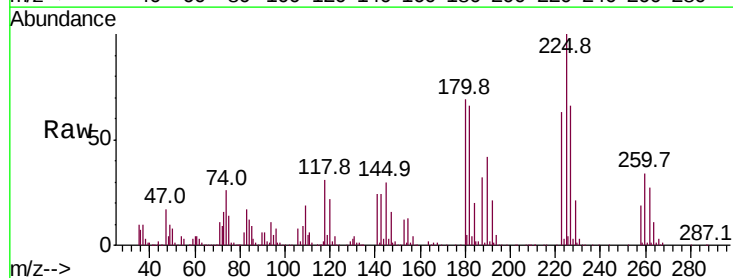
Manual Integrations
 APPROVED

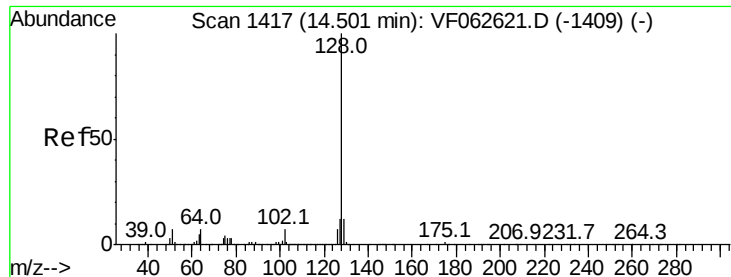
MMDadoda
 5/24/2019 11:16:23 AM



#94
 Hexachlorobutadiene
 Concen: 51.779 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062737.D
 Acq: 23 May 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	32.5	97.4	
227	66.3	34.5	103.5	





#95

Naphthalene

Concen: 47.301 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Instrument :

MSVOA_F

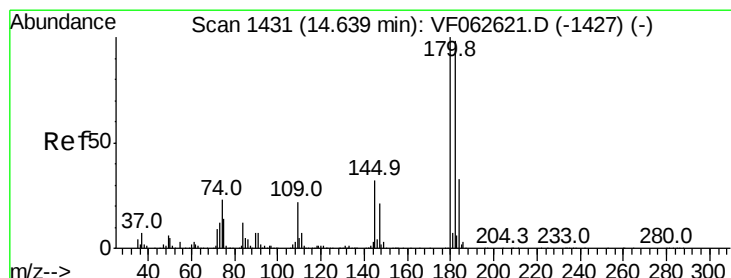
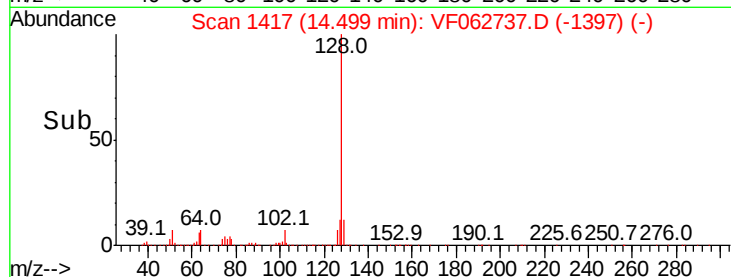
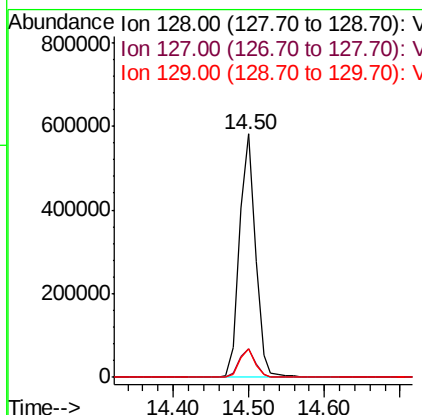
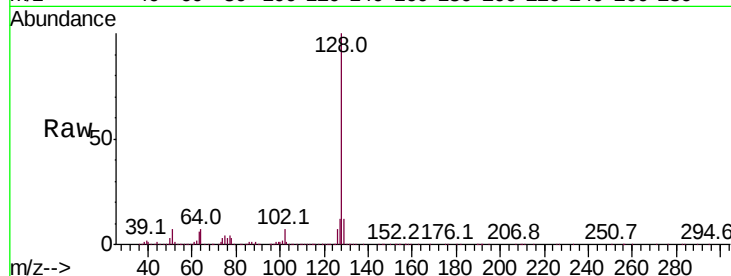
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	840324
Ion Ratio	Lower	Upper	
128	100		
127	11.8	9.7	14.5
129	11.5	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/24/2019 11:16:23 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.601 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062737.D

Acq: 23 May 2019 20:31

Tgt Ion:	180	Resp:	450180
Ion Ratio	Lower	Upper	
180	100		
182	99.1	48.9	146.7
145	28.2	16.1	48.2

