

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF051619\
 Data File : VF062628.D
 Acq On : 16 May 2019 16:15
 Operator : FY/SY
 Sample : VSTDICV050
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 ICSVF051619

Manual Integrations
 APPROVED

MMDadoda
 5/17/2019 4:20:35 PM

Quant Time: May 17 06:24:32 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	5.06	168	802070	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.78	114	1301370	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	984012	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	503719	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	267260	47.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.30%	
35) Dibromofluoromethane	4.32	113	470488	47.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.50%	
50) Toluene-d8	7.72	98	1137764	47.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.70%	
62) 4-Bromofluorobenzene	11.50	95	419695	46.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	496268	45.467	ug/l	99
3) Chloromethane	1.15	50	452474	45.021	ug/l	95
4) Vinyl Chloride	1.19	62	442938	47.879	ug/l	94
5) Bromomethane	1.41	94	259863	51.346	ug/l	92
6) Chloroethane	1.46	64	166481	48.999	ug/l	92
7) Trichlorofluoromethane	1.57	101	607095	48.874	ug/l	87
8) Diethyl Ether	1.72	74	118933	48.330	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.92	101	378601	47.866	ug/l	94
10) Methyl Iodide	2.00	142	762910m	49.101	ug/l	
11) Tert butyl alcohol	2.70	59	88766	237.219	ug/l	99
12) 1,1-Dichloroethene	1.88	96	357035	49.552	ug/l	97
13) Acrolein	2.11	56	84949	217.480	ug/l	89
14) Allyl chloride	2.21	41	308883	47.367	ug/l	96
15) Acrylonitrile	3.11	53	295521	279.972	ug/l	96
16) Acetone	2.36	43	336829	229.071	ug/l	93
17) Carbon Disulfide	1.92	76	1061713m	49.715	ug/l	
18) Methyl Acetate	2.46	43	103153	44.642	ug/l	96
19) Methyl tert-butyl Ether	2.55	73	616804	47.887	ug/l	96
20) Methylene Chloride	2.35	84	345608m	46.892	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	350175	49.723	ug/l	97
22) Diisopropyl ether	2.95	45	805240	50.066	ug/l	98
23) Vinyl Acetate	3.35	43	2674852	246.540	ug/l	99
24) 1,1-Dichloroethane	3.02	63	590864	50.078	ug/l	99
25) 2-Butanone	4.53	43	742420	236.324	ug/l	98
26) 2,2-Dichloropropane	3.79	77	313638	46.459	ug/l	95
27) cis-1,2-Dichloroethene	3.66	96	565545	48.820	ug/l	97
28) Bromochloromethane	3.91	49	275308	41.604	ug/l	99
29) Tetrahydrofuran	4.28	42	304286	239.356	ug/l	99
30) Chloroform	4.06	83	782976	47.796	ug/l	97
31) Cyclohexane	3.88	56	762882m	48.154	ug/l	
32) 1,1,1-Trichloroethane	4.30	97	536646	49.327	ug/l	96
36) 1,1-Dichloropropene	4.49	75	671676	50.369	ug/l	99
37) Ethyl Acetate	4.31	43	258555	47.487	ug/l	85
38) Carbon Tetrachloride	4.19	117	449917	44.862	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	782055	48.740	ug/l	97
40) Benzene	4.83	78	1815304	49.969	ug/l	98
41) Methacrylonitrile	4.94	41	147062	51.519	ug/l	95
42) 1,2-Dichloroethane	5.14	62	361596	49.914	ug/l	99
43) Isopropyl Acetate	7.12	43	307649	43.614	ug/l #	90
44) Trichloroethene	5.69	130	500460	49.016	ug/l	97
45) 1,2-Dichloropropane	6.42	63	451304	49.212	ug/l	99
46) Dibromomethane	6.27	93	259581	48.978	ug/l	97
47) Bromodichloromethane	6.56	83	541013	49.171	ug/l	99
48) Methyl methacrylate	6.88	41	174041	47.205	ug/l	96
49) 1,4-Dioxane	6.88	88	44499	942.341	ug/l	95
51) 4-Methyl-2-Pentanone	8.41	43	1114668	231.184	ug/l	100
52) Toluene	7.79	92	961323	50.457	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	454723	50.516	ug/l	100
54) cis-1,3-Dichloropropene	7.46	75	636692	50.529	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	273423	48.470	ug/l	97
56) Ethyl methacrylate	8.76	69	316897	47.153	ug/l	92
57) 1,3-Dichloropropane	9.00	76	460854	47.963	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.45	63	554880	253.650	ug/l	98
59) 2-Hexanone	9.62	43	777745	247.770	ug/l	98
60) Dibromochloromethane	8.86	129	381873	51.940	ug/l	98
61) 1,2-Dibromoethane	9.14	107	303631	50.675	ug/l	98
64) Tetrachloroethene	8.31	164	397207	50.953	ug/l	96
65) Chlorobenzene	9.94	112	988511	51.147	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	395032	50.914	ug/l	98
67) Ethyl Benzene	10.03	91	1703320	50.732	ug/l	99
68) m/p-Xylenes	10.26	106	1286872	101.979	ug/l	95
69) o-Xylene	10.82	106	669050	51.475	ug/l	95
70) Styrene	10.89	104	964456	48.819	ug/l	99
71) Bromoform	10.88	173	199296	51.287	ug/l	93
73) Isopropylbenzene	11.22	105	1772252	49.090	ug/l	100
74) N-amyl acetate	11.45	43	426833	46.039	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.77	83	335395	45.459	ug/l	98
76) 1,2,3-Trichloropropane	11.87	75	224866	46.385	ug/l	86
77) Bromobenzene	11.58	156	422569	47.089	ug/l	99
78) n-propylbenzene	11.67	91	2013751	47.132	ug/l	97
79) 2-Chlorotoluene	11.80	91	1169600	48.574	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	1400206	48.369	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.94	75	104612m	48.546	ug/l	
82) 4-Chlorotoluene	11.98	91	1133795	47.749	ug/l	99
83) tert-Butylbenzene	12.20	119	1447337	49.280	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	1353674	48.314	ug/l	99
85) sec-Butylbenzene	12.37	105	1993577	50.579	ug/l	100
86) p-Isopropyltoluene	12.52	119	1675145	50.431	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	794544	48.938	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	746172	48.974	ug/l	97
89) n-Butylbenzene	12.90	91	1513094	46.201	ug/l	98
90) Hexachloroethane	12.97	117	402433	50.504	ug/l	93
91) 1,2-Dichlorobenzene	13.00	146	690624	47.720	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.69	75	44751	50.844	ug/l	94

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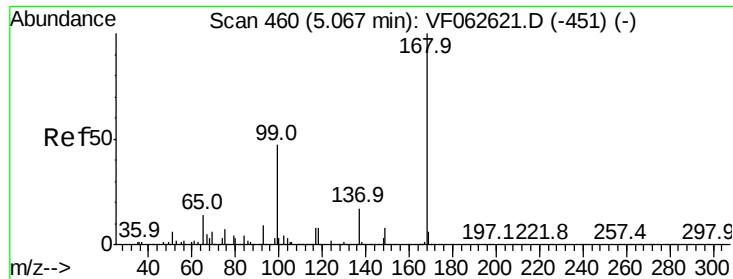
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	518321	50.034	ug/l	99
94) Hexachlorobutadiene	14.23	225	370565	51.258	ug/l	97
95) Naphthalene	14.50	128	882234	46.878	ug/l	98
96) 1,2,3-Trichlorobenzene	14.64	180	488617	49.796	ug/l	96

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



#1

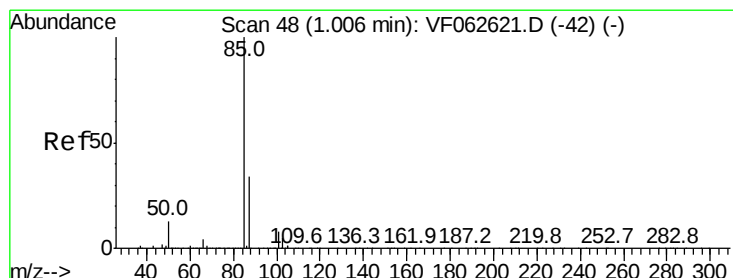
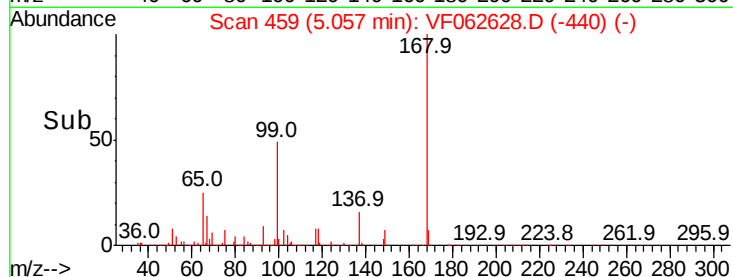
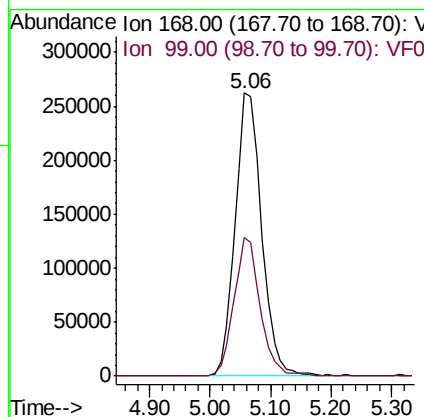
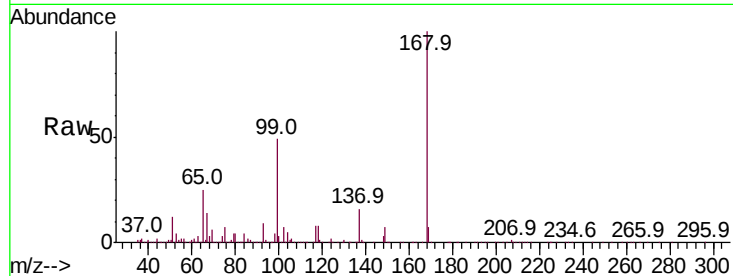
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. -0.01 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051619

Tot Ion	Ratio	Lower	Upper
168	100		
99	48.9	37.8	56.8

Manual Integrations
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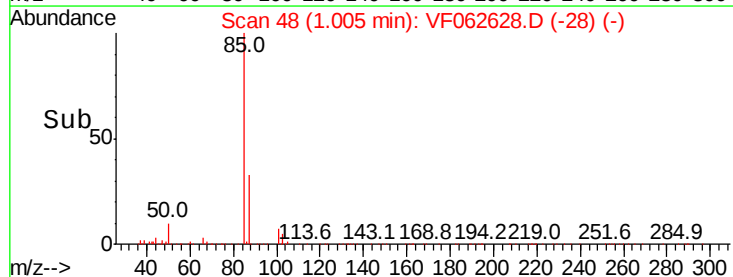
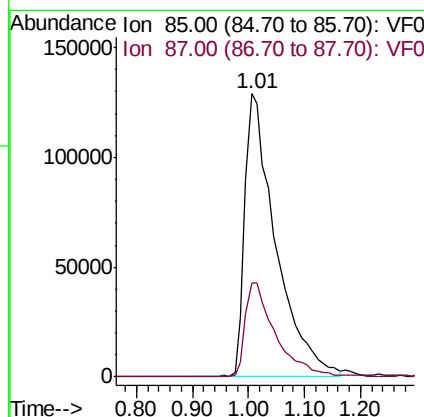
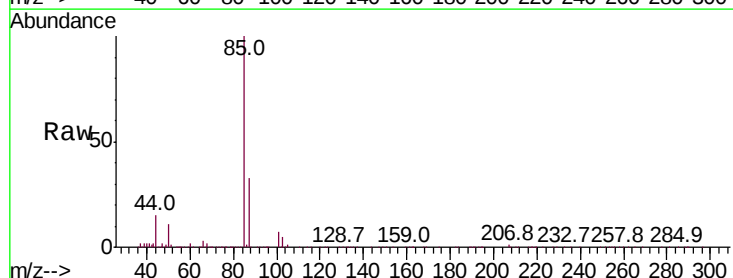
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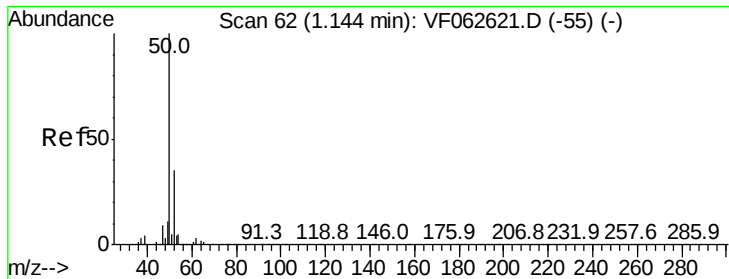


#2

Dichlorodifluoromethane
 Concen: 45.467 ug/l
 RT: 1.01 min Scan# 48
 Delta R.T. -0.00 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.8	50.3





#3

Chloromethane

Concen: 45.021 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 50 Resp: 452474

Ion Ratio Lower Upper

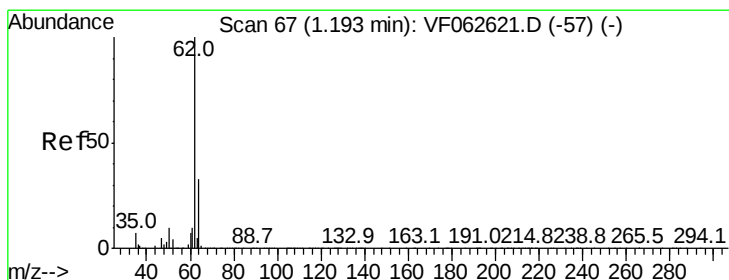
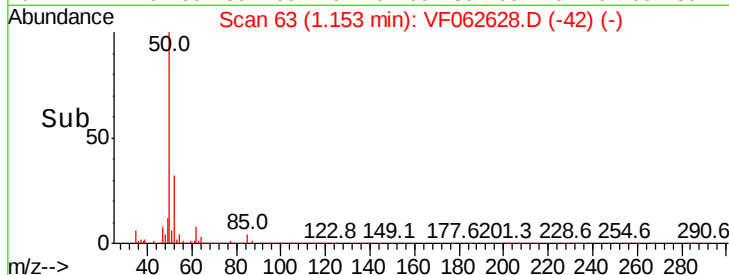
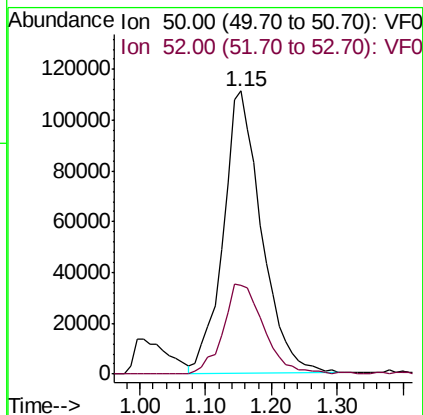
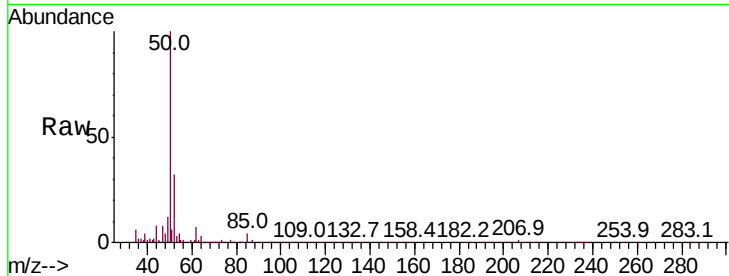
50 100

52 31.5 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 47.879 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062628.D

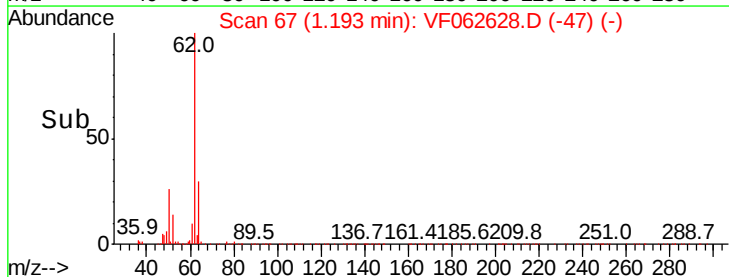
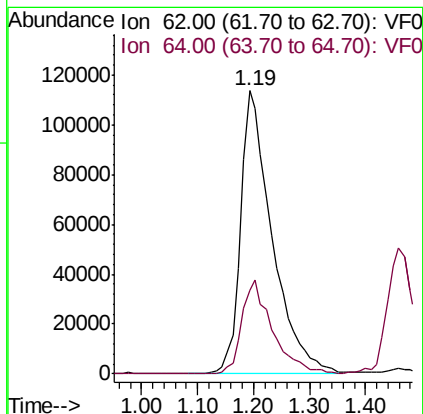
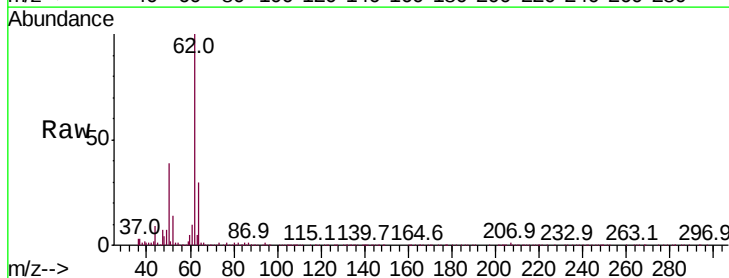
Acq: 16 May 2019 16:15

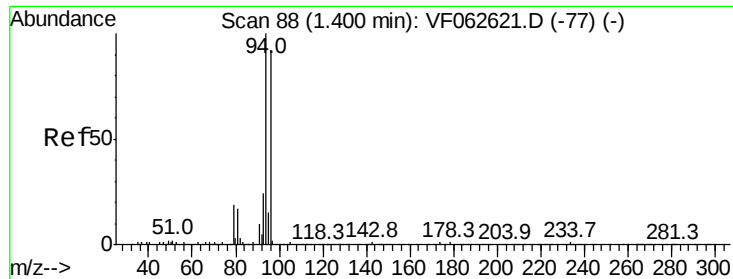
Tgt Ion: 62 Resp: 442938

Ion Ratio Lower Upper

62 100

64 29.8 26.7 40.1





#5

Bromomethane

Concen: 51.346 ug/l

RT: 1.41 min Scan# 89

Delta R.T. 0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 94 Resp: 259863

Ion Ratio Lower Upper

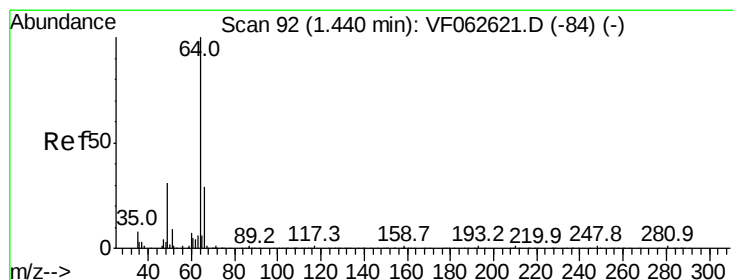
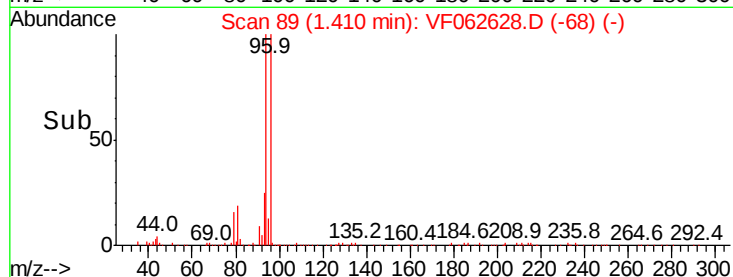
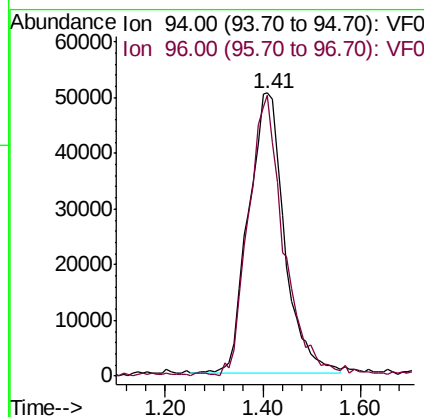
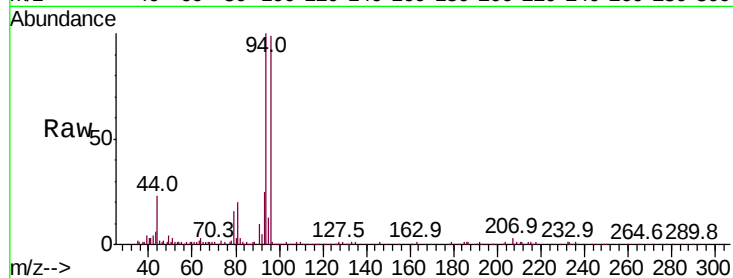
94 100

96 99.4 73.2 109.8

Manual Integrations
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#6

Chloroethane

Concen: 48.999 ug/l

RT: 1.46 min Scan# 94

Delta R.T. 0.02 min

Lab File: VF062628.D

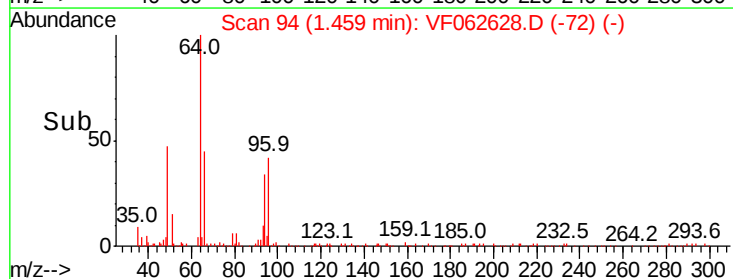
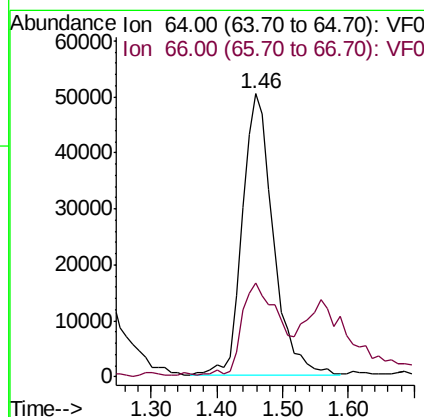
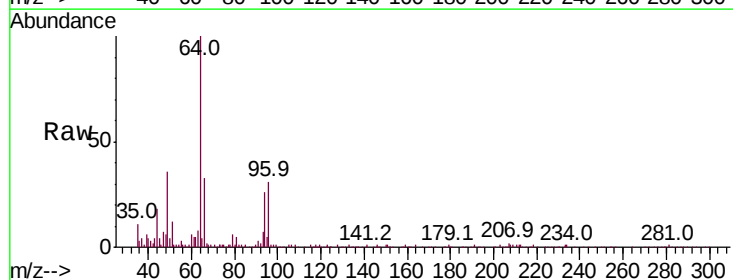
Acq: 16 May 2019 16:15

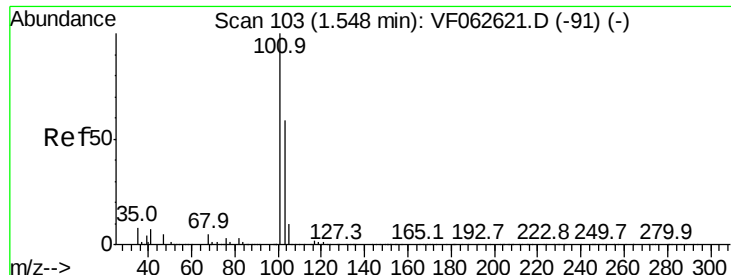
Tgt Ion: 64 Resp: 166481

Ion Ratio Lower Upper

64 100

66 33.3 23.4 35.2





#7

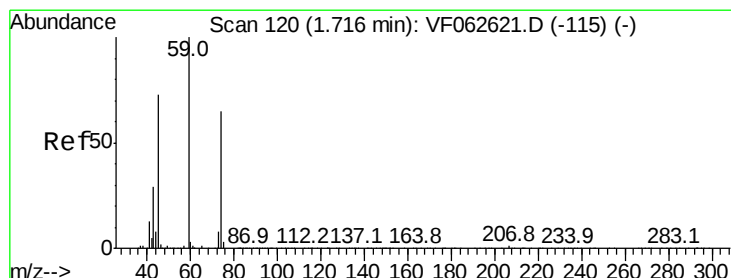
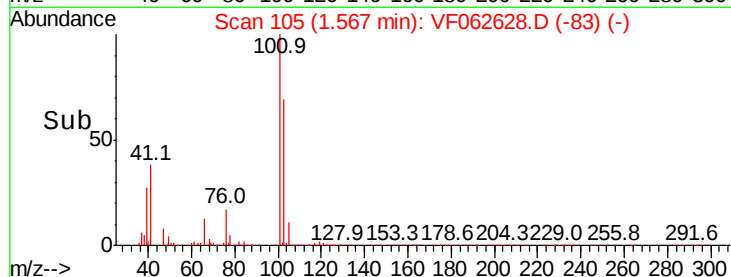
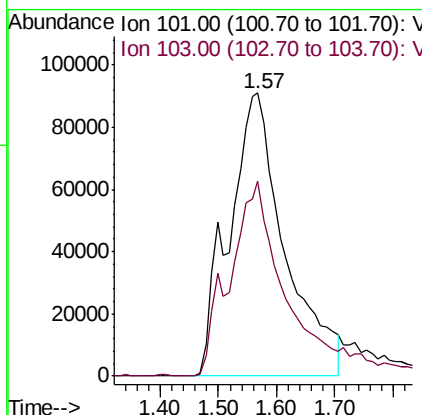
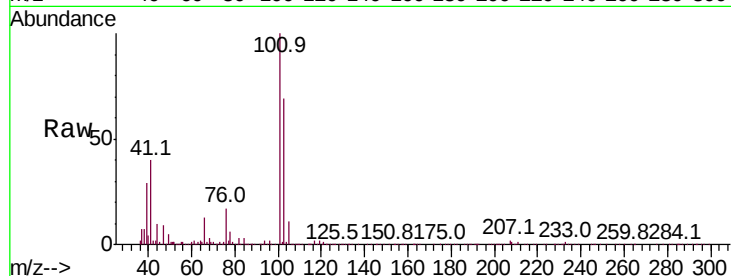
Trichlorofluoromethane
Concen: 48.874 ug/l
RT: 1.57 min Scan# 105
Delta R.T. 0.02 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	68.9	47.3	70.9

Manual Integrations
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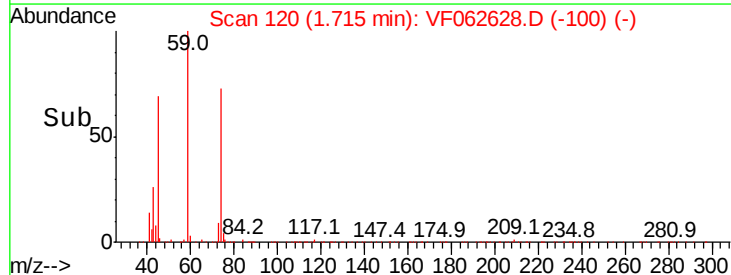
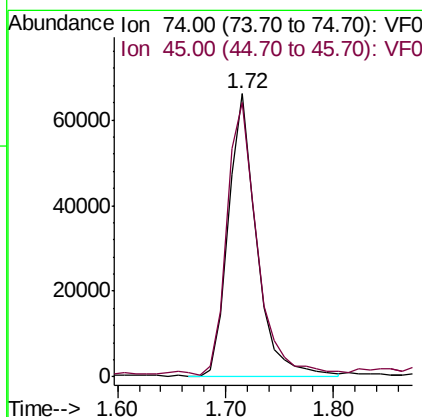
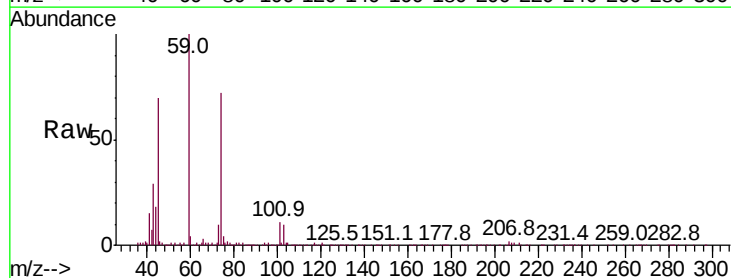
MMDadoda
5/17/2019 4:20:35 PM

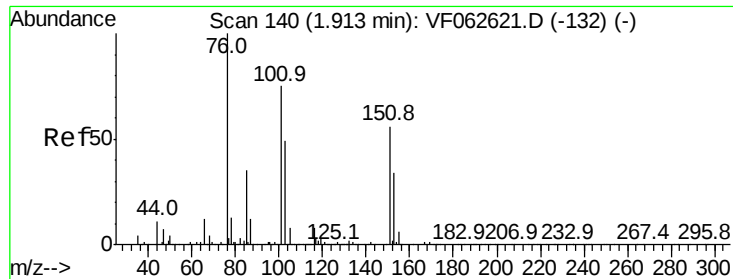


#8

Diethyl Ether
Concen: 48.330 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.866 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

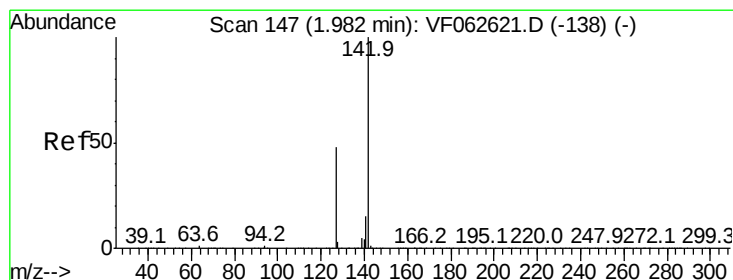
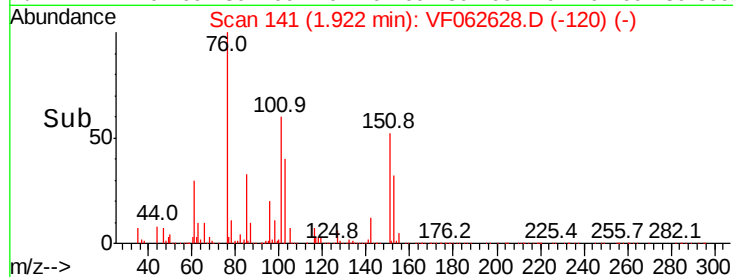
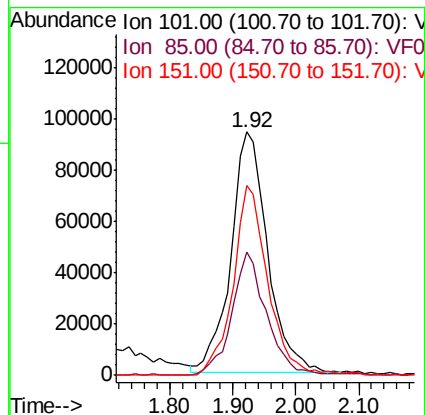
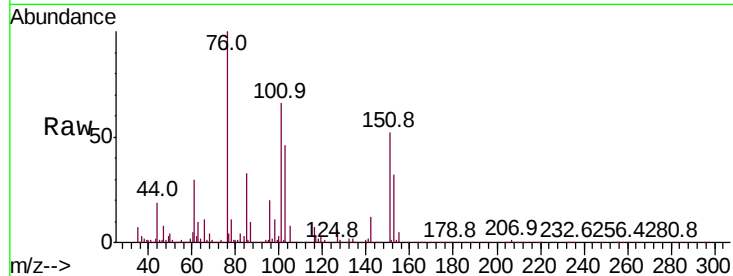
ClientSampleId :

ICVVF051619

Tot Ion:	101	Resp:	378601
Ion Ratio	Lower	Upper	
101	100		
85	50.4	37.1	55.7
151	78.1	58.8	88.2

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#10

Methyl Iodide

Concen: 49.101 ug/l m

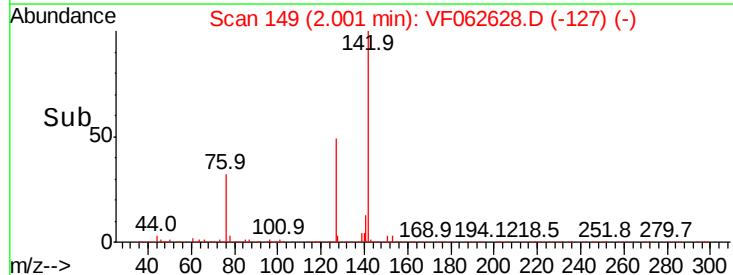
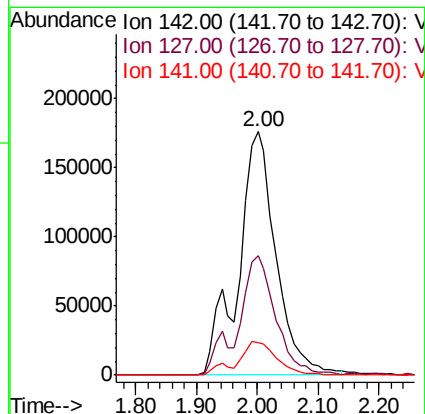
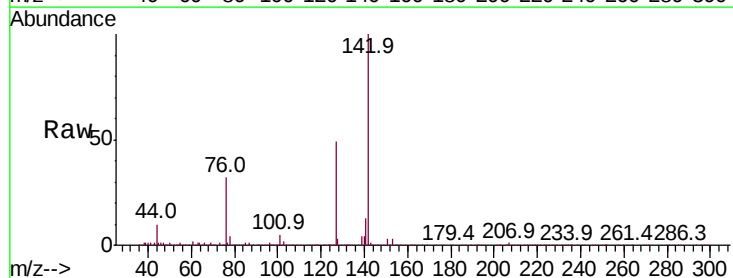
RT: 2.00 min Scan# 149

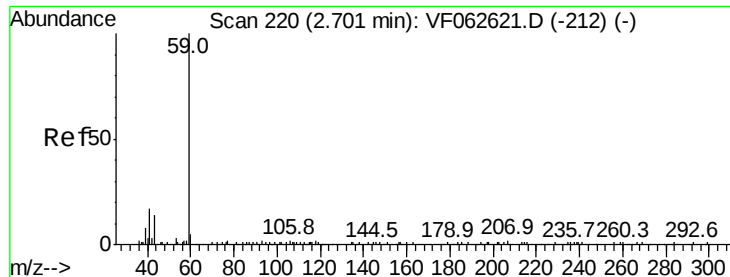
Delta R.T. 0.02 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	142	Resp:	762910
Ion Ratio	Lower	Upper	
142	100		
127	48.8	38.1	57.1
141	13.3	11.7	17.5





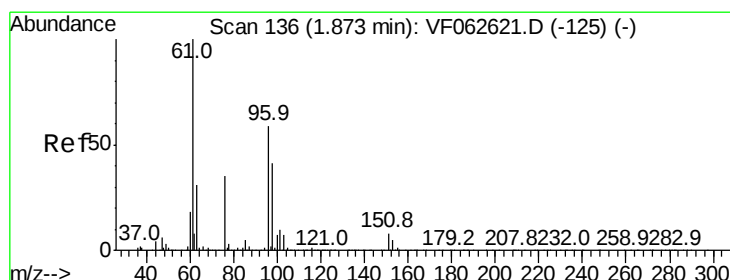
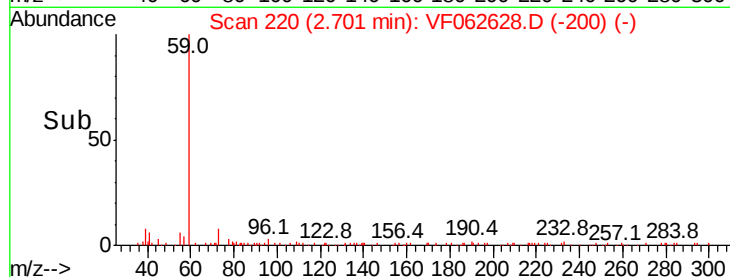
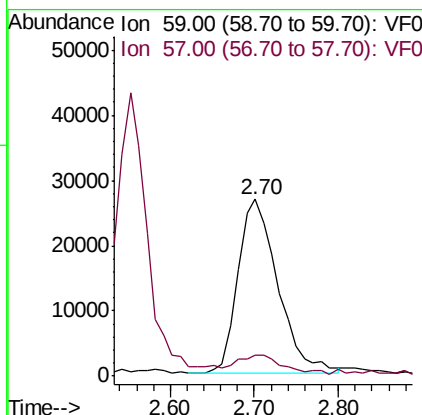
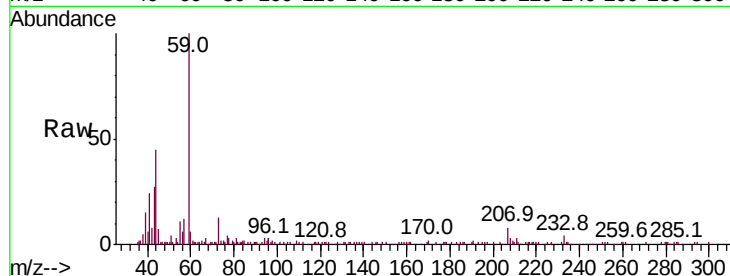
#11
Tert butyl alcohol
Concen: 237.219 ug/l
RT: 2.70 min Scan# 220
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.1	9.3	13.9

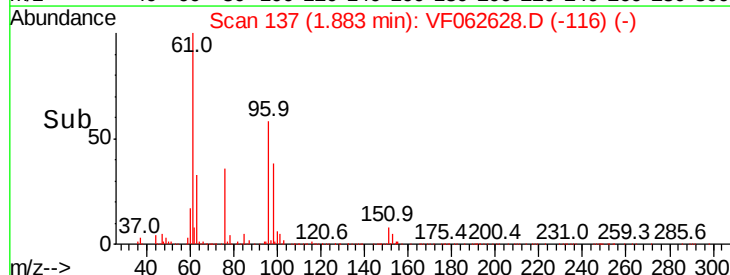
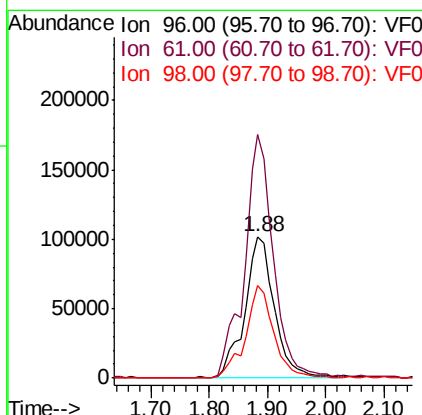
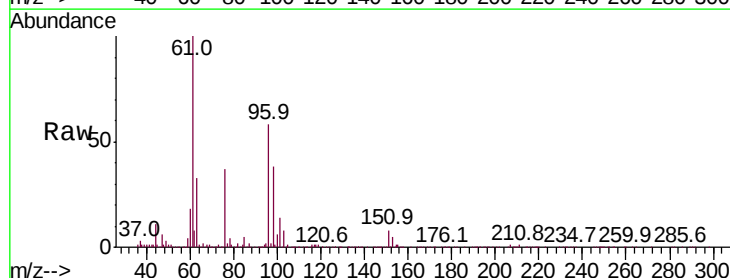
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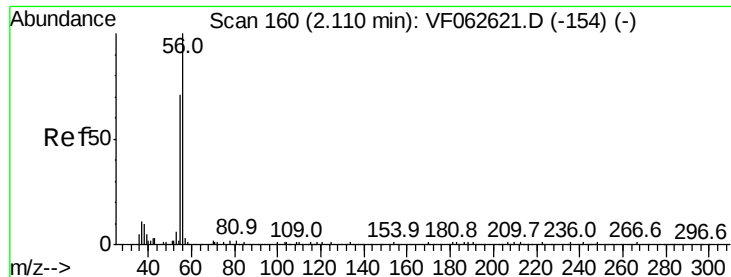
MMDadoda
5/17/2019 4:20:35 PM



#12
1,1-Dichloroethene
Concen: 49.552 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.8	134.3	201.5
98	65.5	55.0	82.6





#13

Acrolein

Concen: 217.480 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 56 Resp: 84949

Ion Ratio Lower Upper

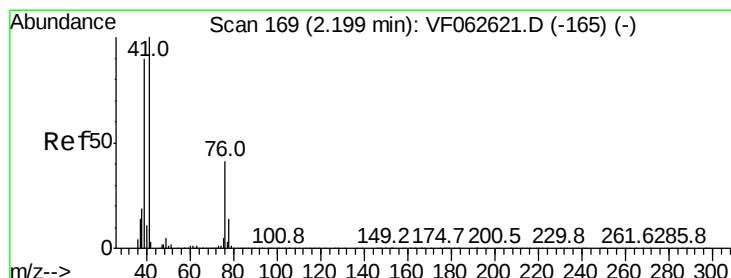
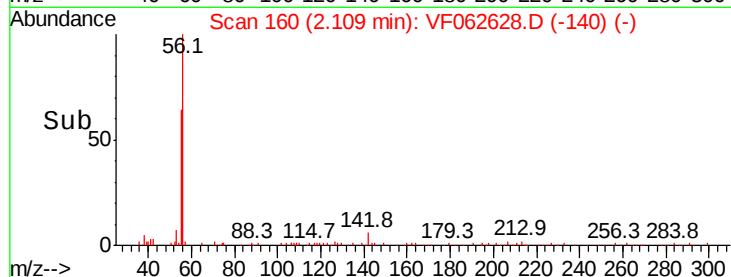
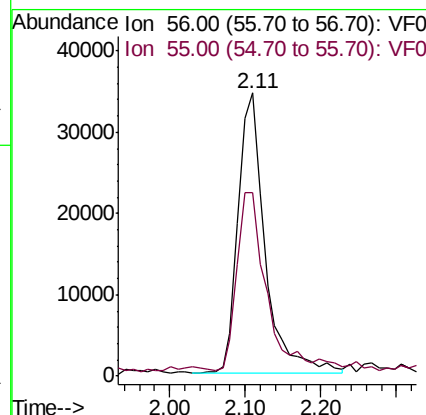
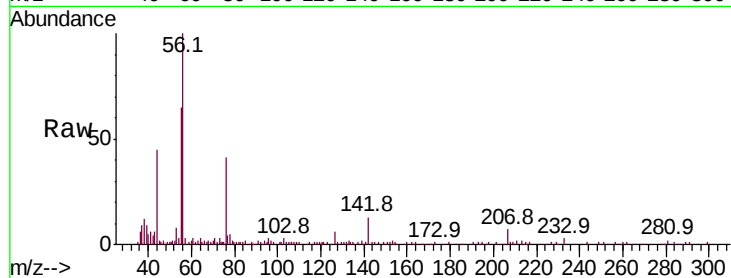
56 100

55 65.0 59.4 89.0

Manual Integrations
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#14

Allyl chloride

Concen: 47.367 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

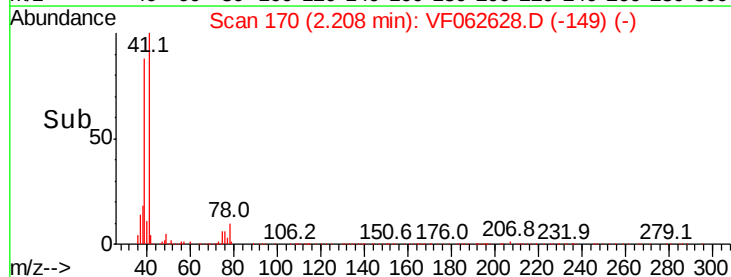
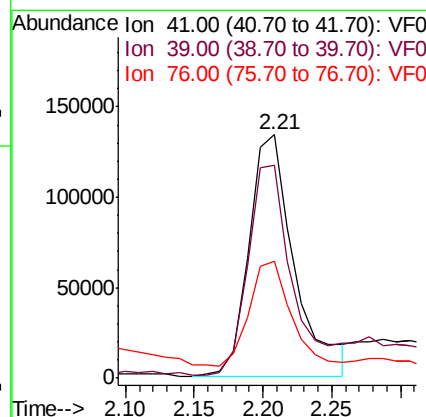
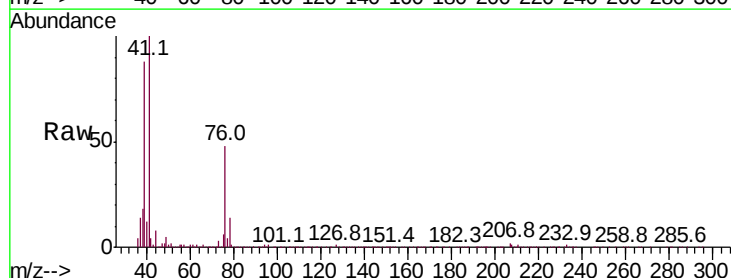
Tgt Ion: 41 Resp: 308883

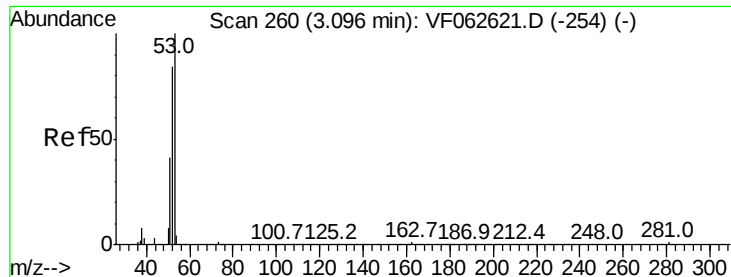
Ion Ratio Lower Upper

41 100

39 87.7 72.0 108.0

76 47.9 34.8 52.2





#15

Acrylonitrile

Concen: 279.972 ug/l

RT: 3.11 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

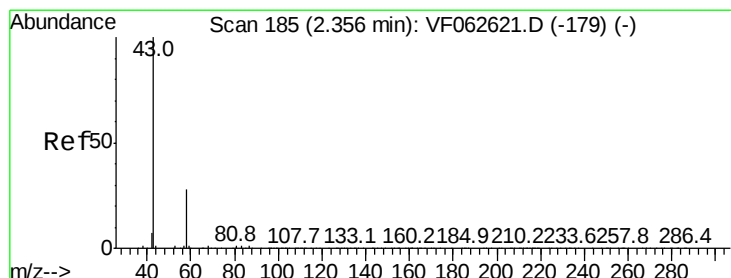
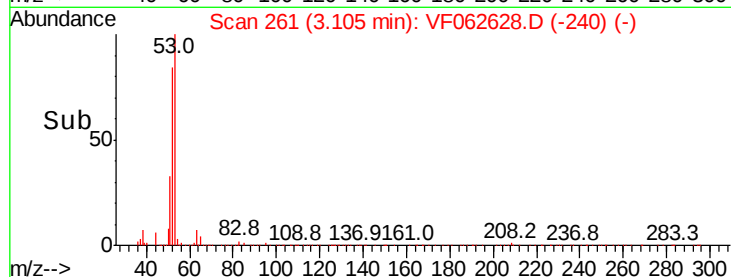
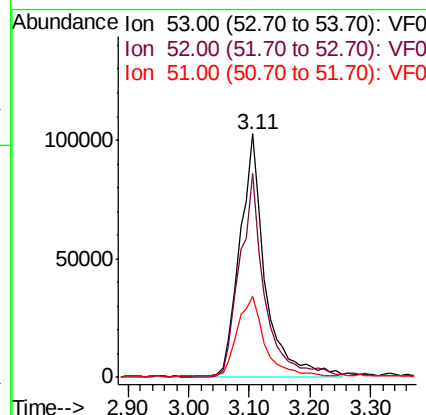
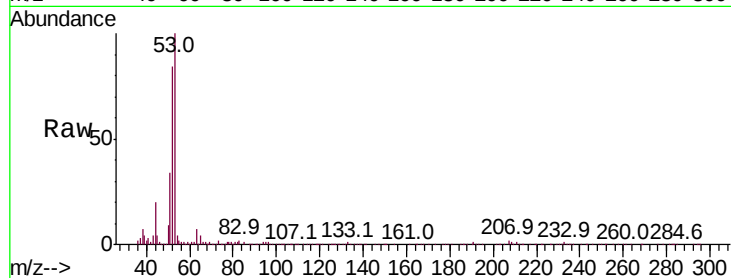
ClientSampleId :

ICVVF051619

Tot Ion:	53	Resp:	295521
Ion Ratio		Lower	Upper
53	100		
52	83.6	67.3	100.9
51	33.5	33.0	49.6

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#16

Acetone

Concen: 229.071 ug/l

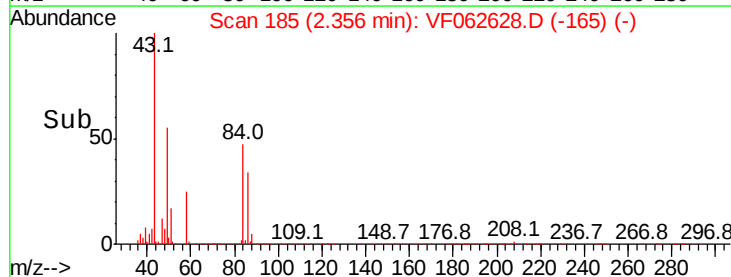
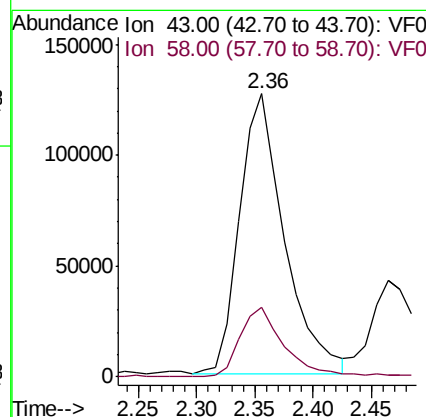
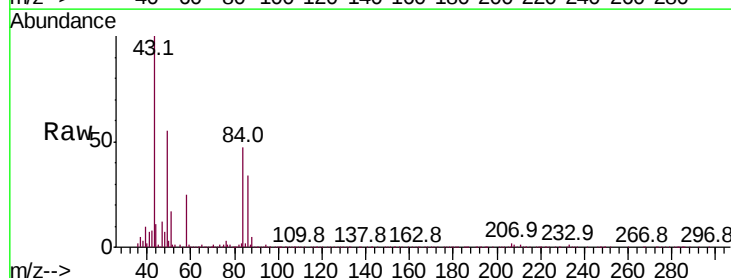
RT: 2.36 min Scan# 185

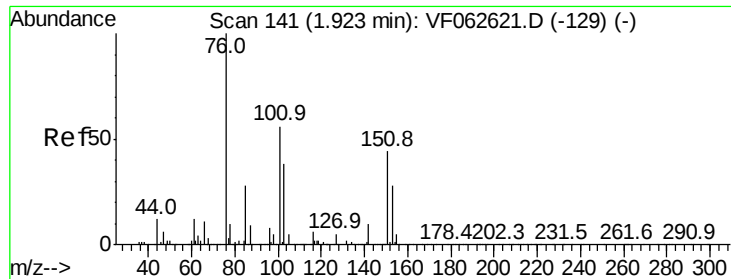
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	43	Resp:	336829
Ion Ratio		Lower	Upper
43	100		
58	24.6	22.6	33.8





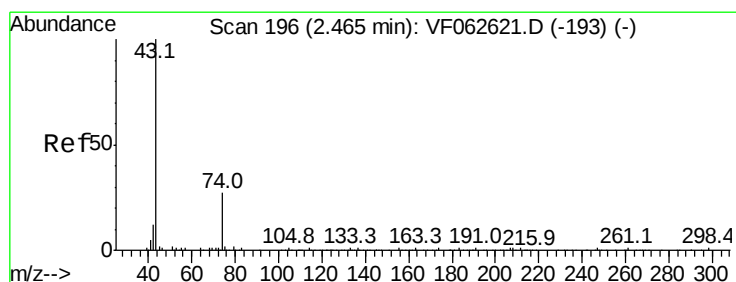
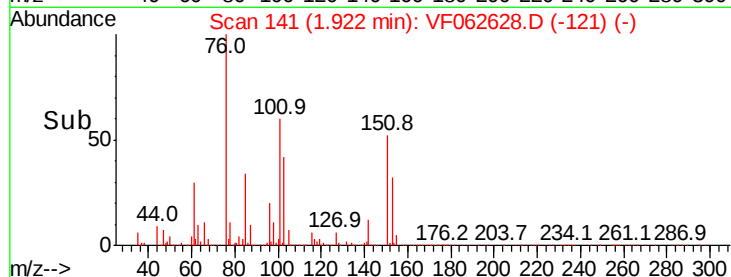
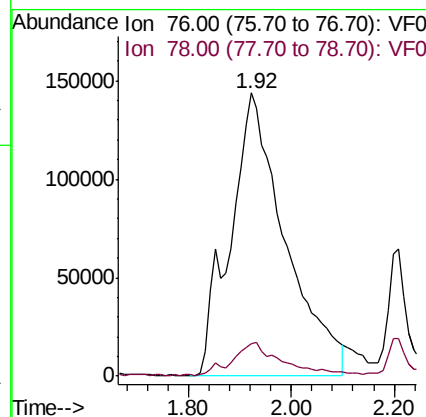
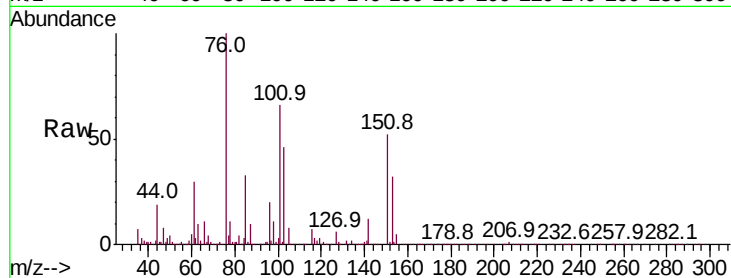
#17
Carbon Disulfide
Concen: 49.715 ug/l m
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion: 76 Resp: 1061713
Ion Ratio Lower Upper
76 100
78 11.4 8.4 12.6

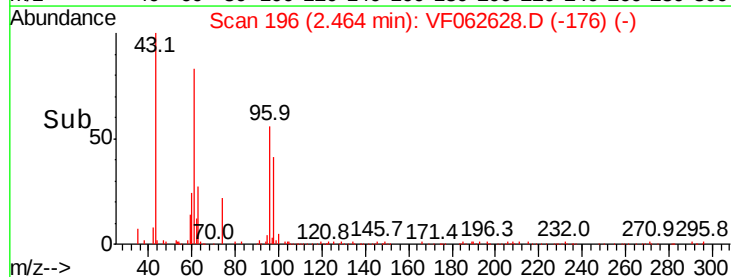
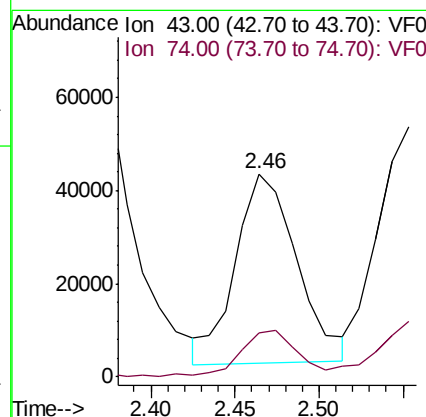
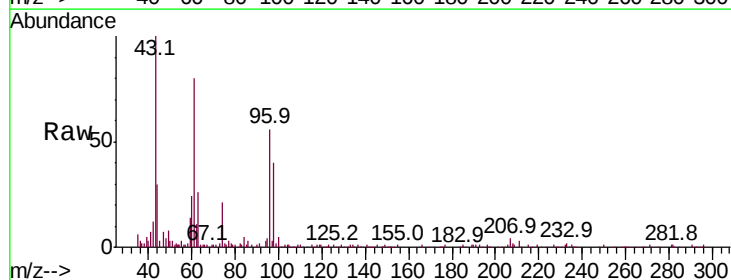
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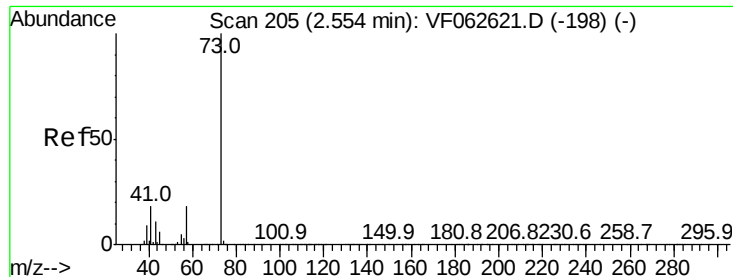
MMDadoda
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#18
Methyl Acetate
Concen: 44.642 ug/l
RT: 2.46 min Scan# 196
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion: 43 Resp: 103153
Ion Ratio Lower Upper
43 100
74 21.4 18.9 28.3





#19

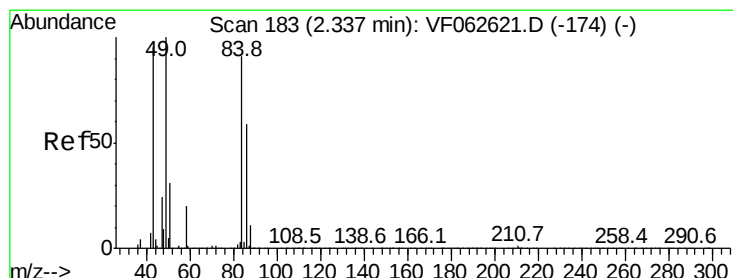
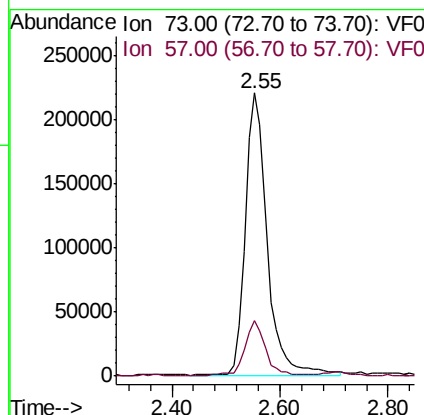
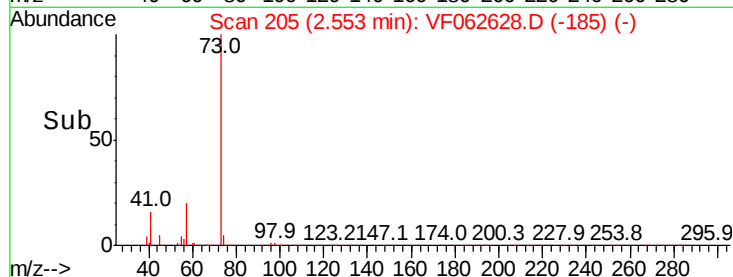
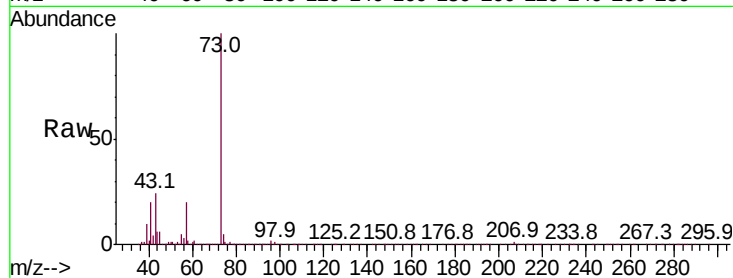
Methyl tert-butyl Ether
 Concen: 47.887 ug/l
 RT: 2.55 min Scan# 205
 Delta R.T. -0.00 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVV051619

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.7	14.2	21.4

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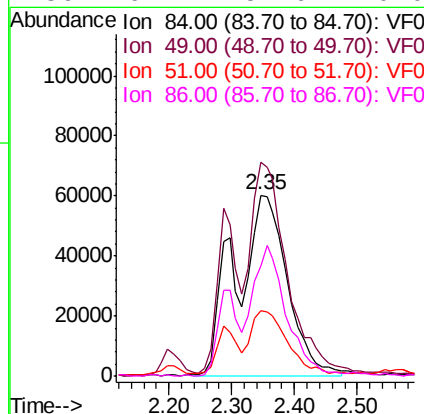
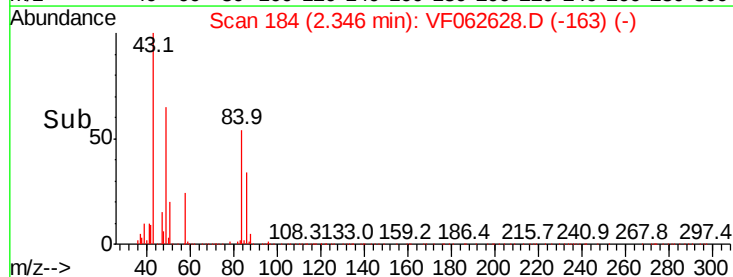
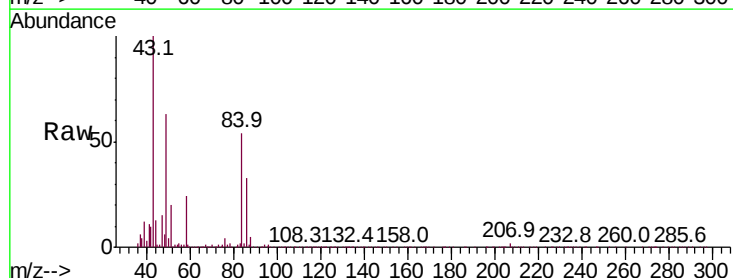
MMDadoda
 5/17/2019 4:20:35 PM

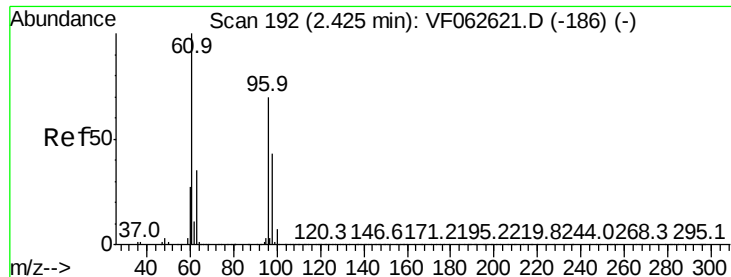


#20

Methylene Chloride
 Concen: 46.892 ug/l m
 RT: 2.35 min Scan# 184
 Delta R.T. 0.01 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	118.2	89.8	134.8
51	36.5	28.4	42.6
86	61.1	52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 49.723 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

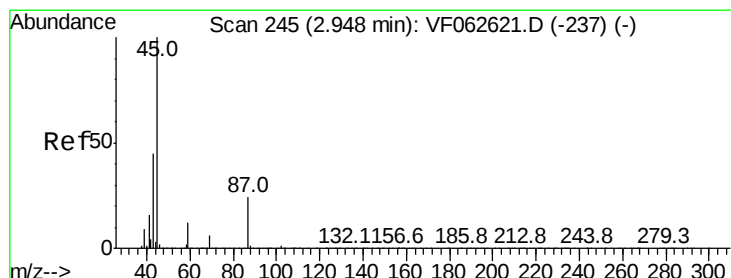
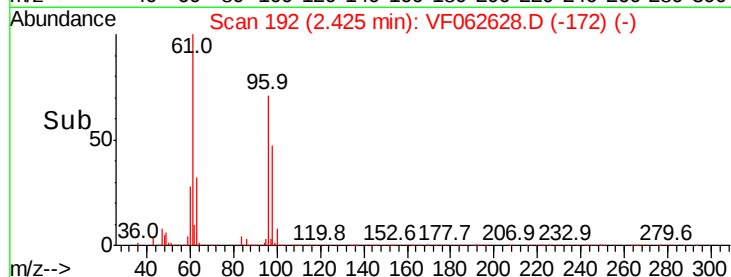
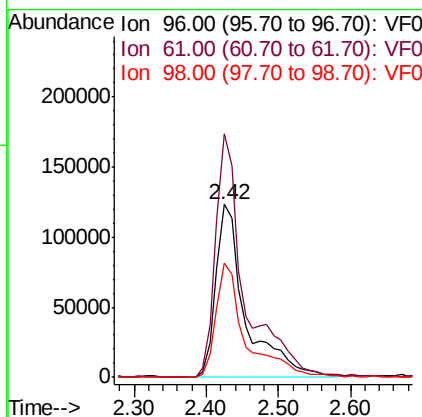
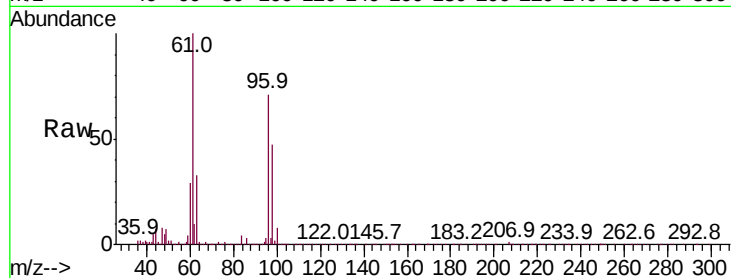
ClientSampleId :

ICVVF051619

Tot Ion:	96	Resp:	350175
Ion Ratio	Lower	Upper	
96	100		
61	140.9	114.6	171.8
98	66.4	49.5	74.3

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#22

Diisopropyl ether

Concen: 50.066 ug/l

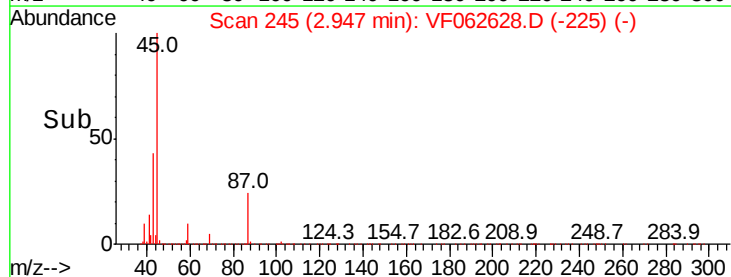
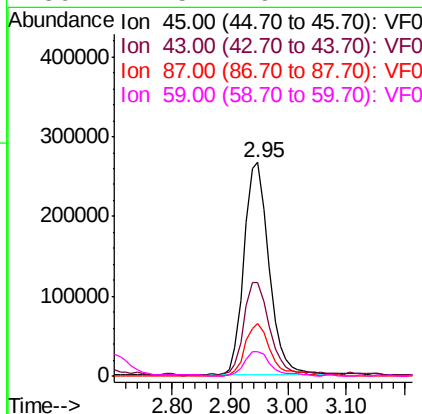
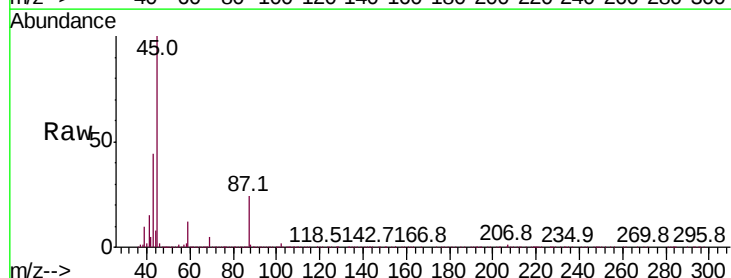
RT: 2.95 min Scan# 245

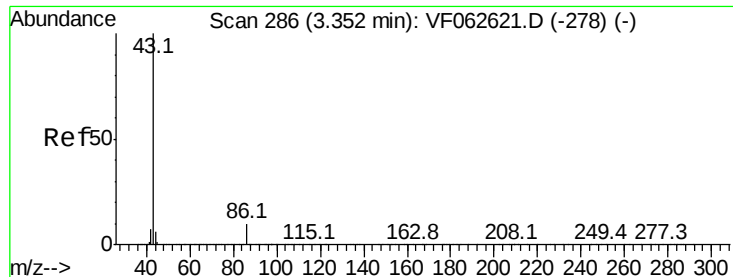
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	45	Resp:	805240
Ion Ratio	Lower	Upper	
45	100		
43	44.0	36.4	54.6
87	24.4	19.3	28.9
59	11.5	9.4	14.2





#23

Vinyl Acetate

Concen: 246.540 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 43 Resp: 2674852

Ion Ratio Lower Upper

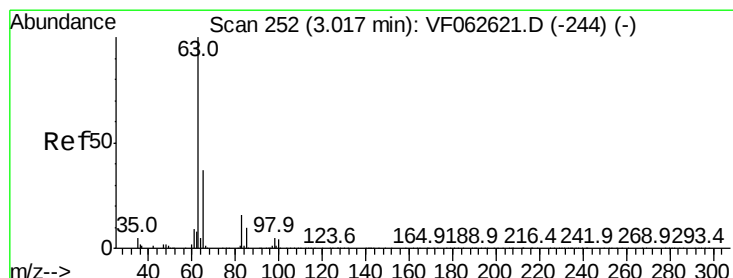
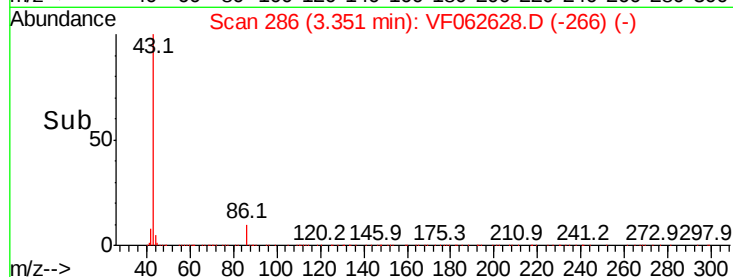
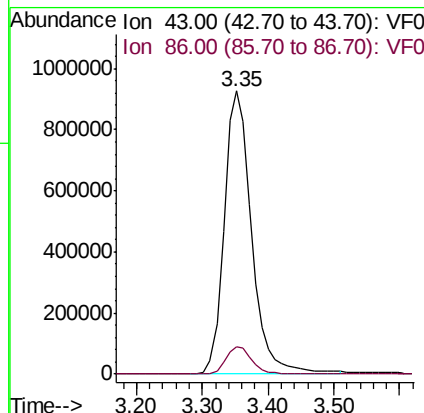
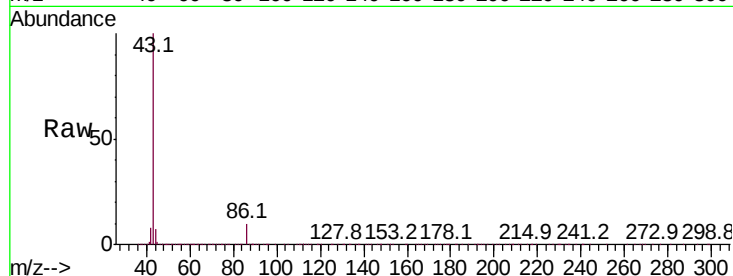
43 100

86 9.7 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 50.078 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

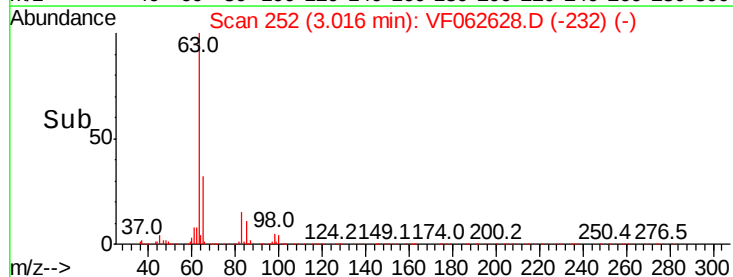
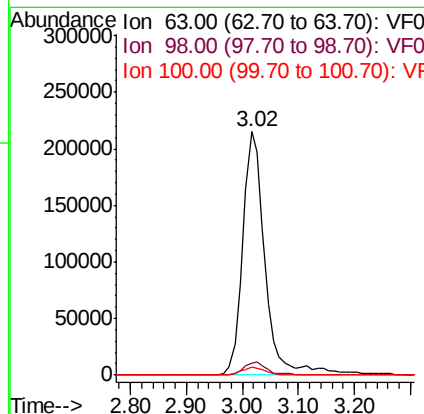
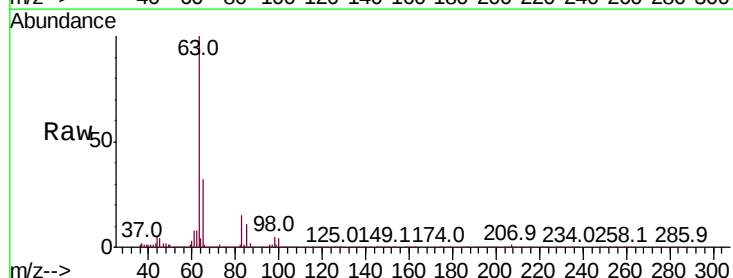
Tgt Ion: 63 Resp: 590864

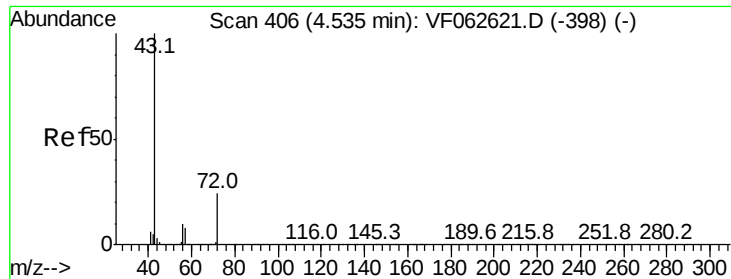
Ion Ratio Lower Upper

63 100

98 4.9 2.8 8.3

100 3.6 1.9 5.7





#25

2-Butanone

Concen: 236.324 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 43 Resp: 742420

Ion Ratio Lower Upper

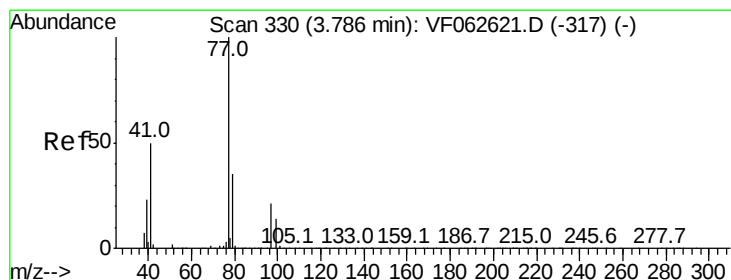
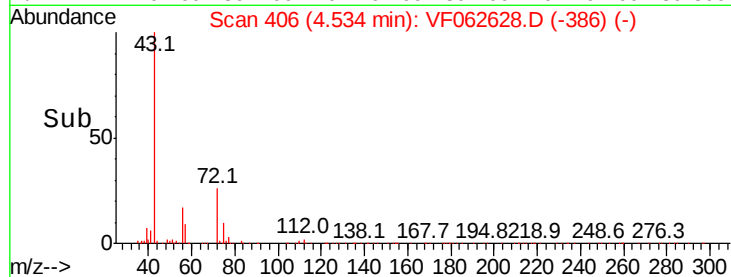
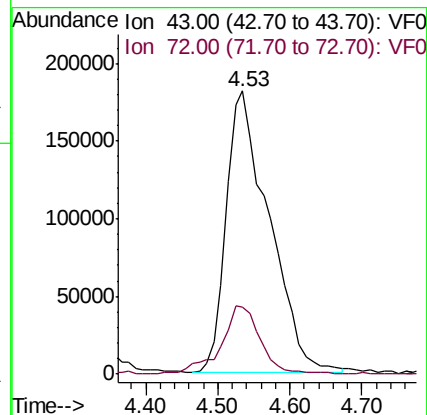
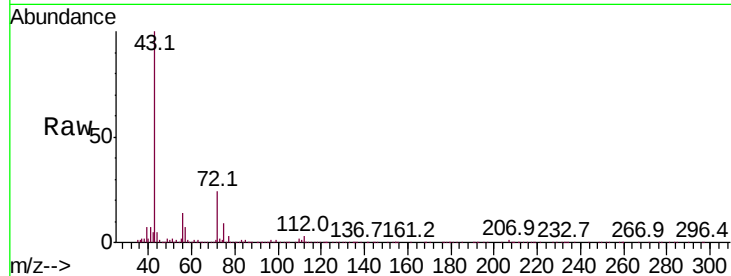
43 100

72 23.9 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 46.459 ug/l

RT: 3.79 min Scan# 330

Delta R.T. -0.00 min

Lab File: VF062628.D

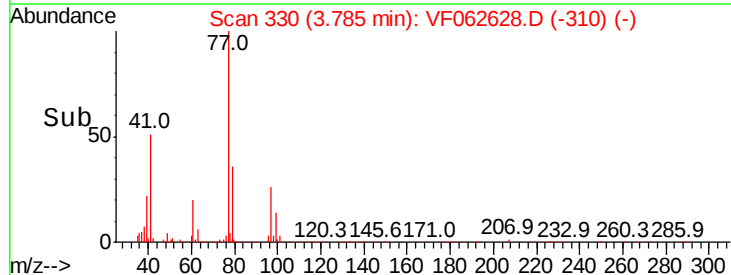
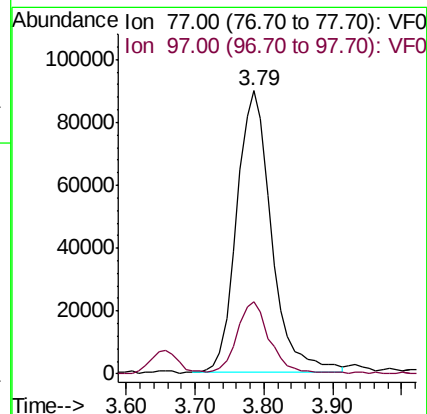
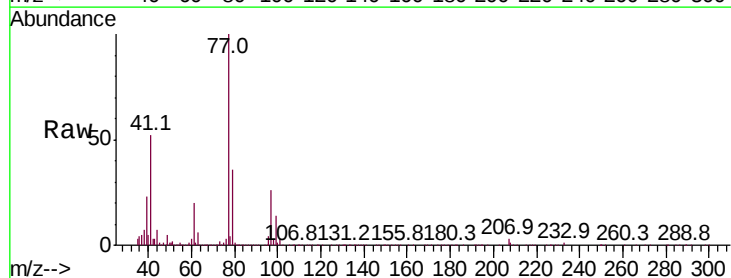
Acq: 16 May 2019 16:15

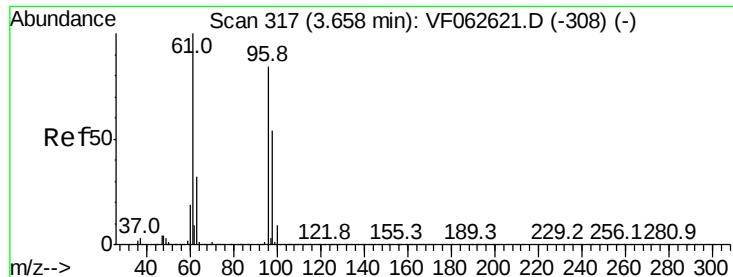
Tgt Ion: 77 Resp: 313638

Ion Ratio Lower Upper

77 100

97 25.7 14.1 42.4





#27

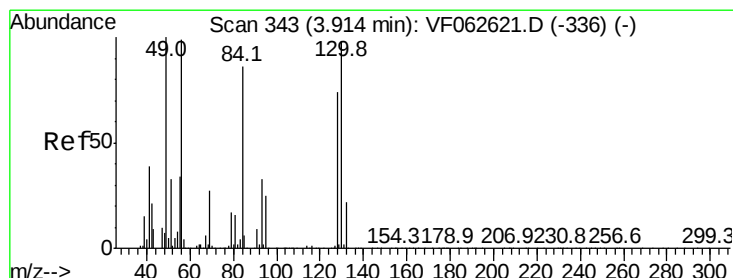
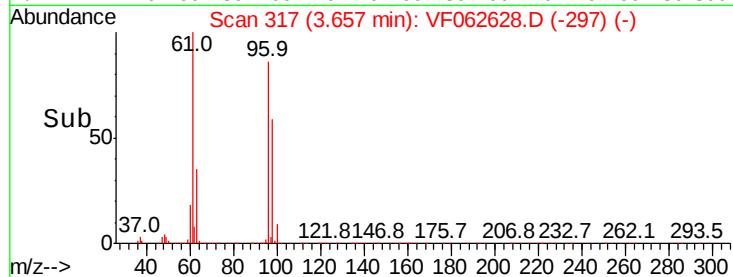
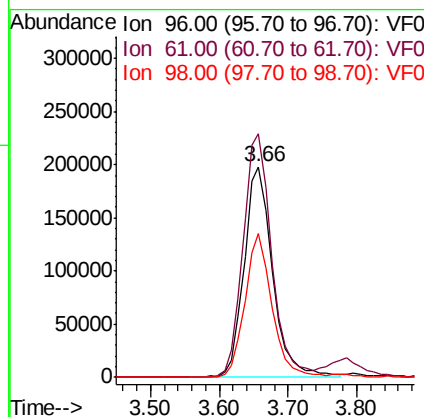
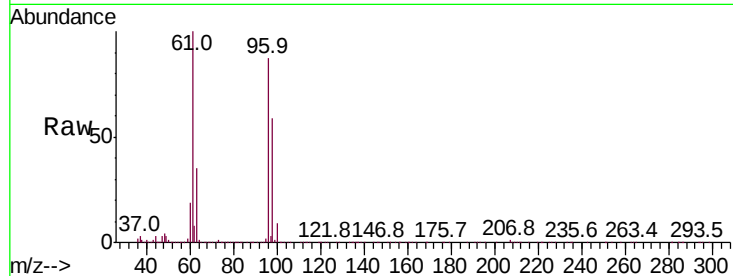
cis-1,2-Dichloroethene
Concen: 48.820 ug/l
RT: 3.66 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Resp	Lower	Upper
96	100	565545		
61	115.6		0.0	237.4
98	68.0		0.0	129.0

Manual Integrations
APPROVED

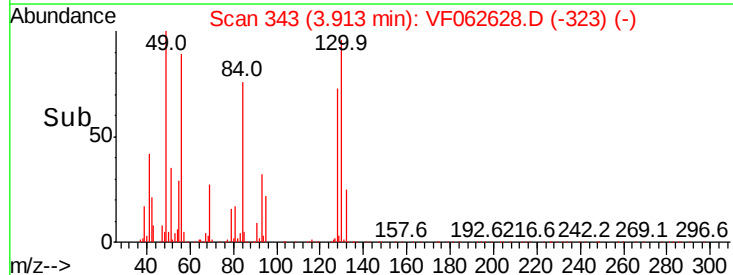
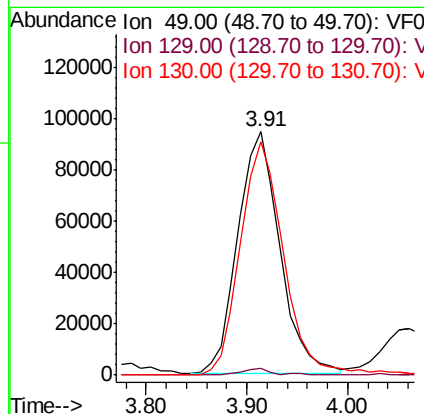
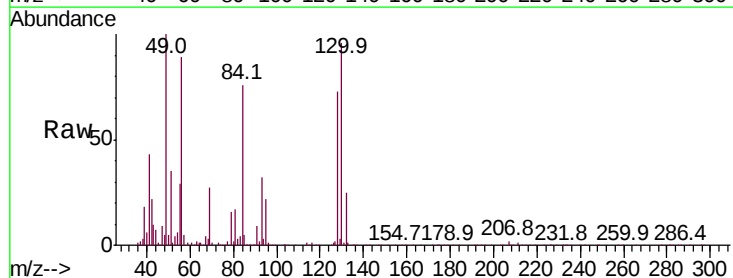
MMDadoda
5/17/2019 4:20:35 PM

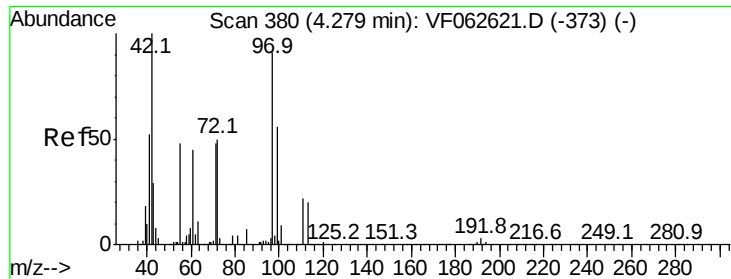


#28

Bromochloromethane
Concen: 41.604 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	275308		
129	2.7		0.0	4.0
130	96.0		77.8	116.8





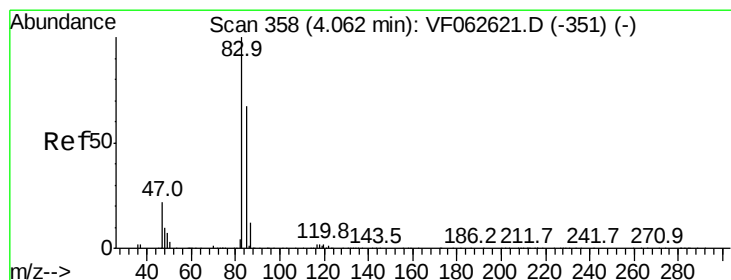
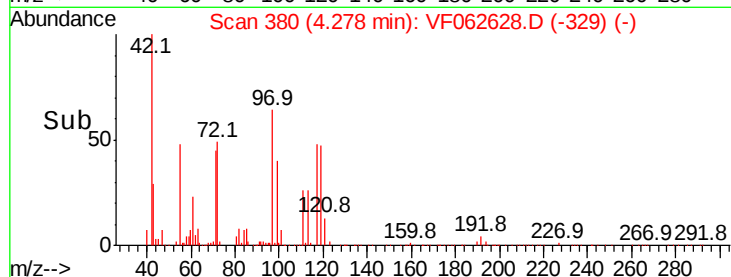
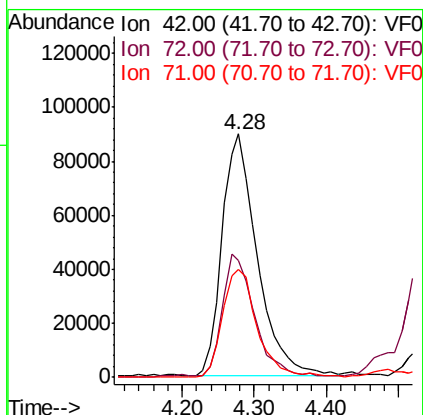
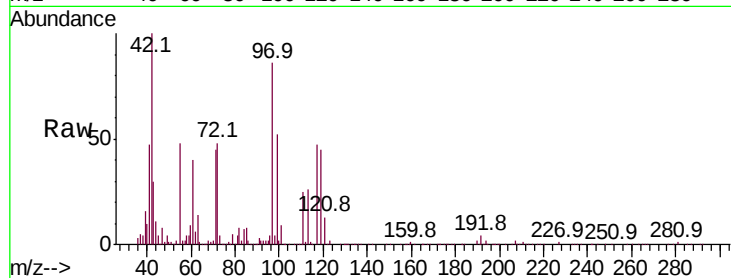
#29
Tetrahydrofuran
Concen: 239.356 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	38.2	57.2
71	44.3	35.8	53.6

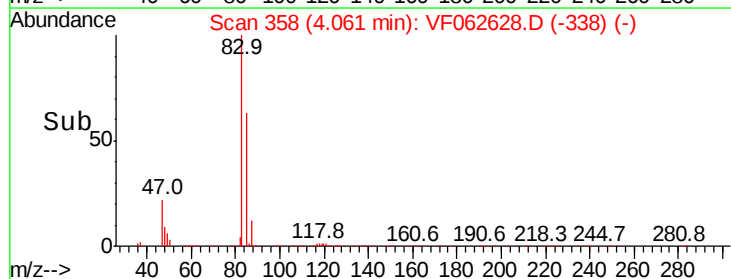
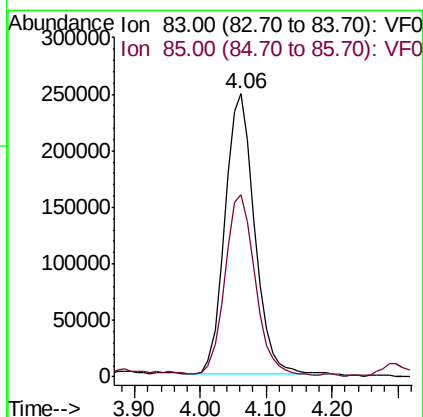
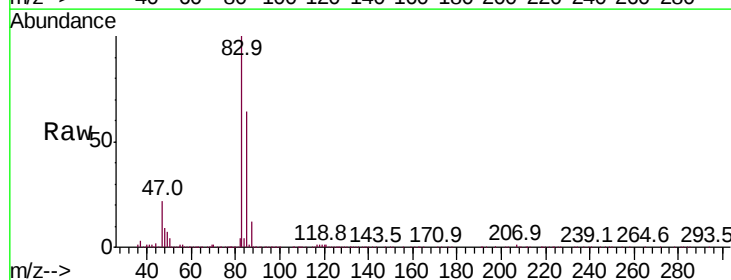
Manual Integrations
APPROVED

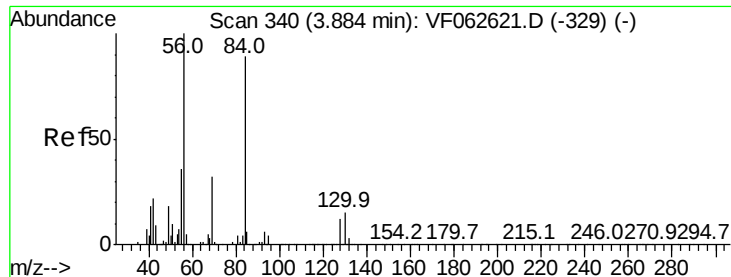
MMDadoda
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#30
Chloroform
Concen: 47.796 ug/l
RT: 4.06 min Scan# 358
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.6	80.4





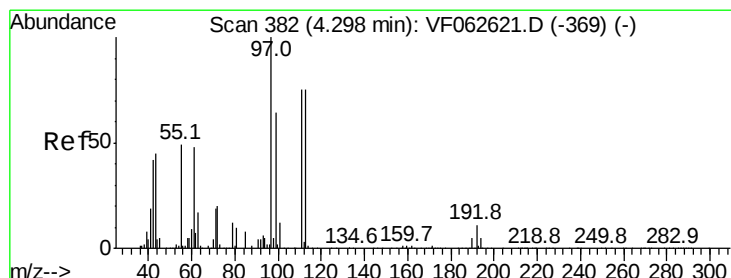
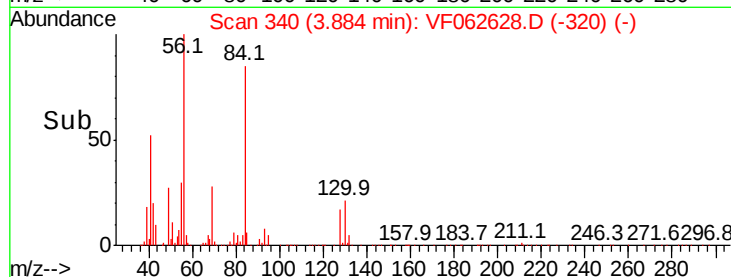
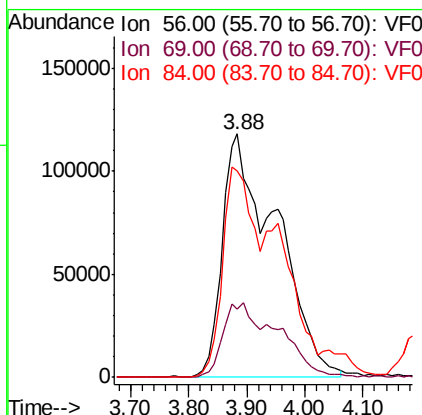
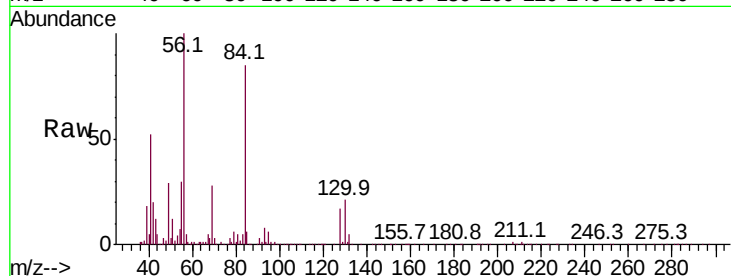
#31
Cyclohexane
Concen: 48.154 ug/l m
RT: 3.88 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.1	25.3	37.9
84	84.7	71.0	106.4

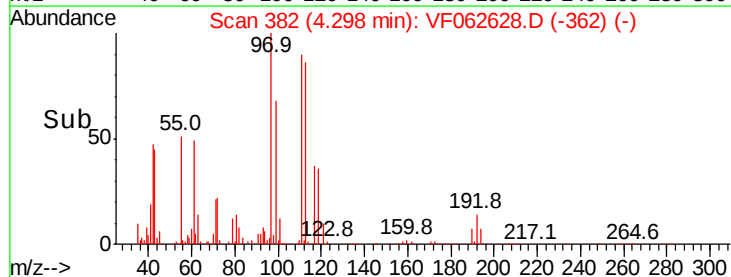
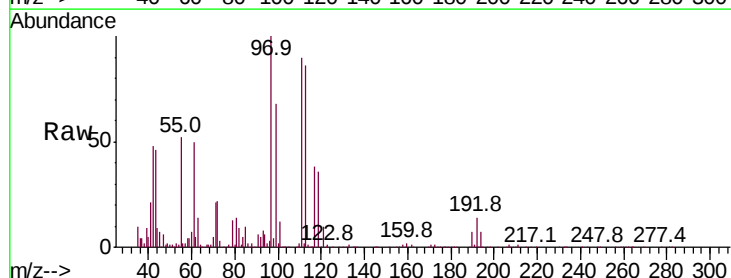
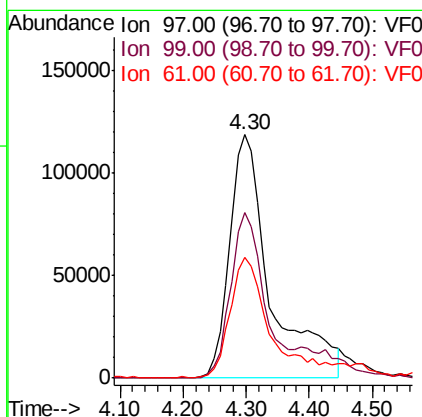
Manual Integrations
APPROVED

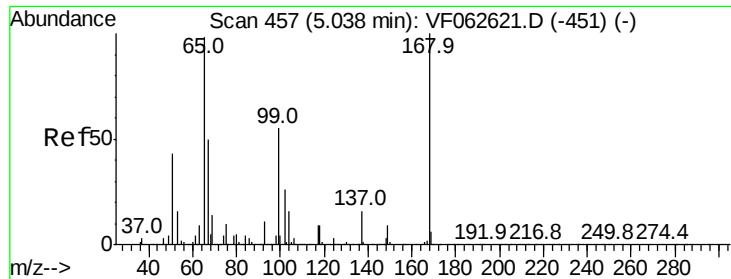
MMDadoda
5/17/2019 4:20:35 PM



#32
1,1,1-Trichloroethane
Concen: 49.327 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.3	76.9
61	49.5	38.2	57.2





#33

1,2-Dichloroethane-d4

Concen: 47.154 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 65 Resp: 267260

Ion Ratio Lower Upper

65 100

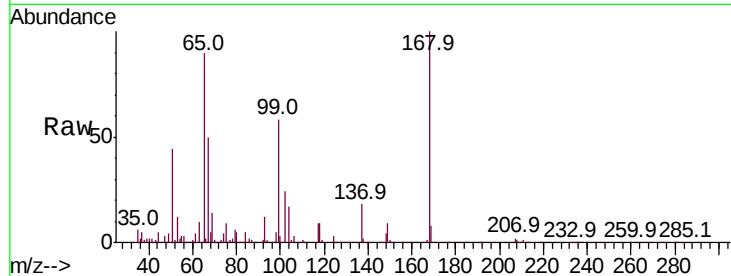
67 56.1 0.0 117.6

Manual Integrations

APPROVED

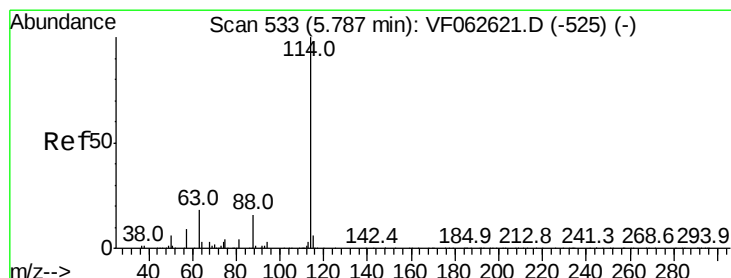
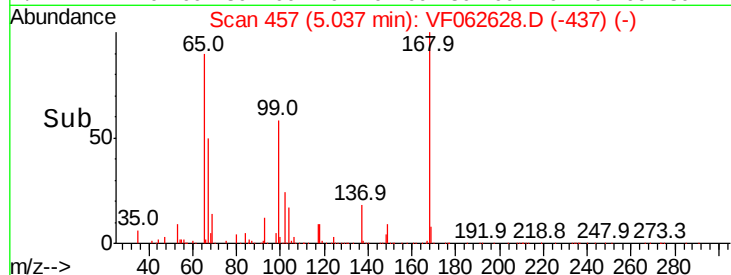
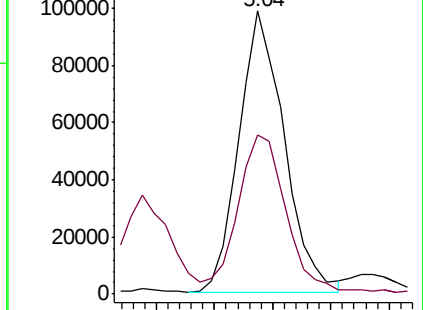
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

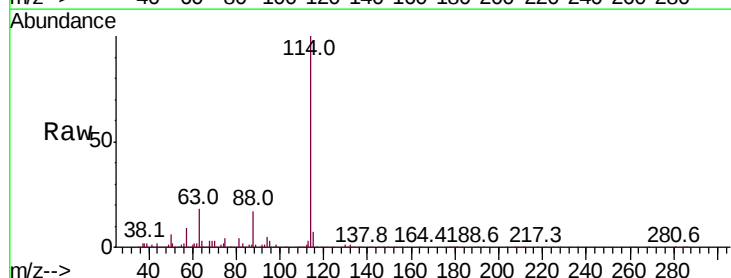
Tgt Ion:114 Resp: 1301370

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.4

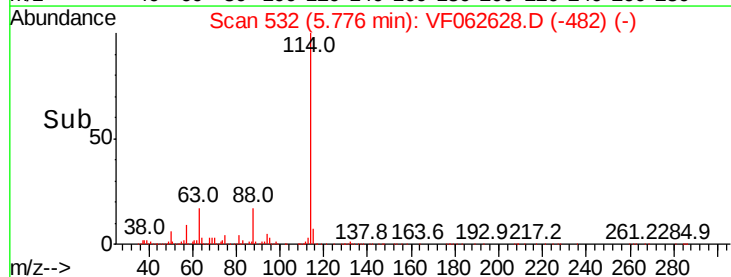
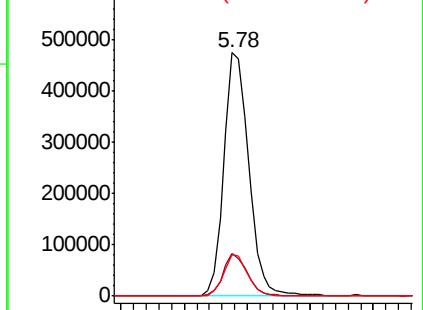
88 16.8 0.0 32.4

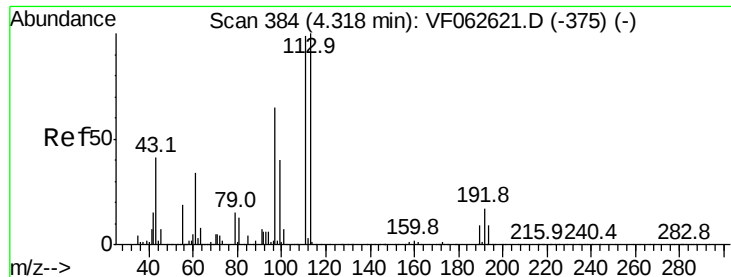


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 47.247 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

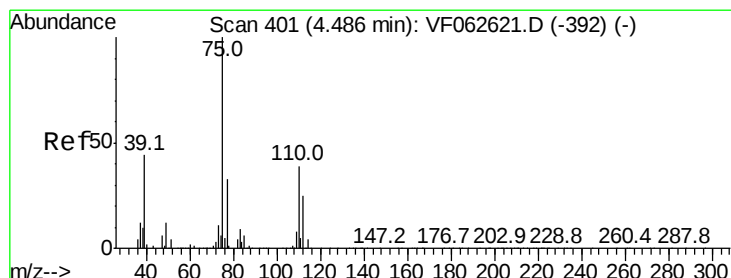
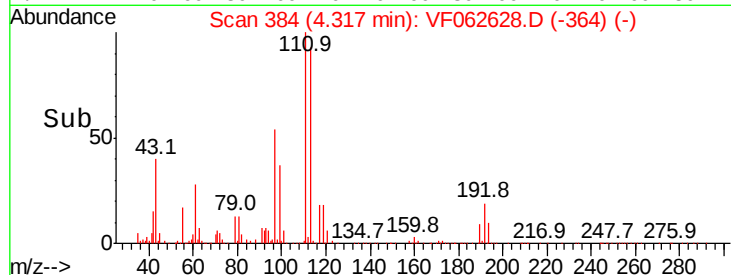
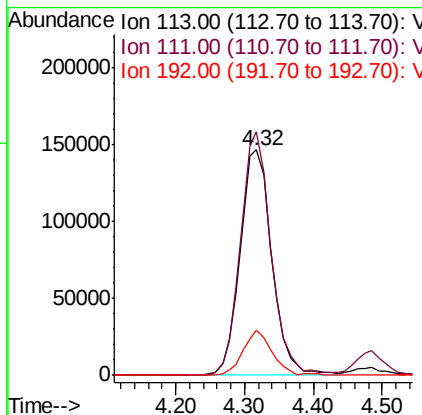
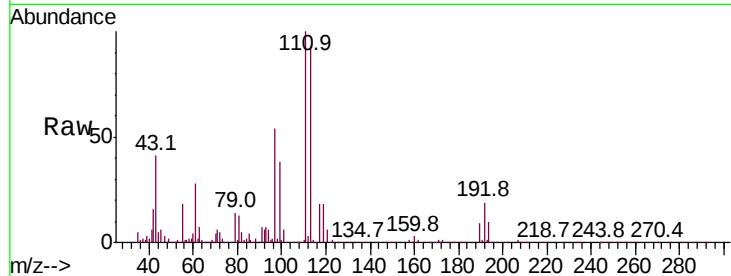
ClientSampleId :

ICVVF051619

Tot Ion:	113	Resp:	470488
Ion Ratio	Lower	Upper	
113	100		
111	107.9	79.4	119.2
192	20.1	13.4	20.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.369 ug/l

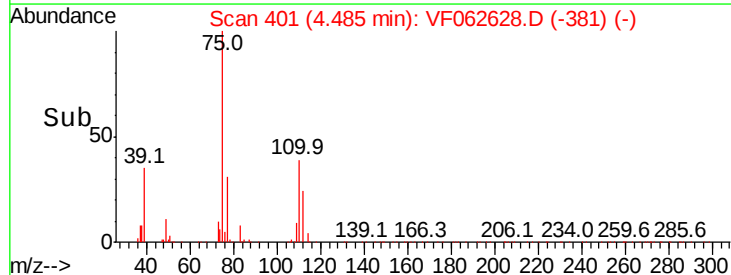
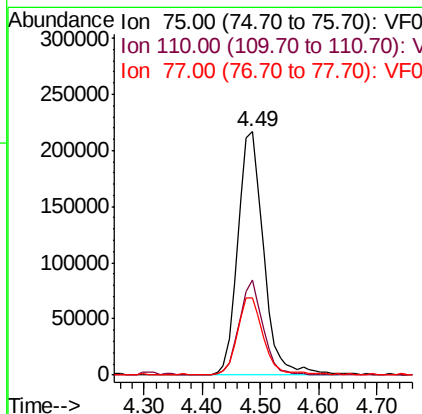
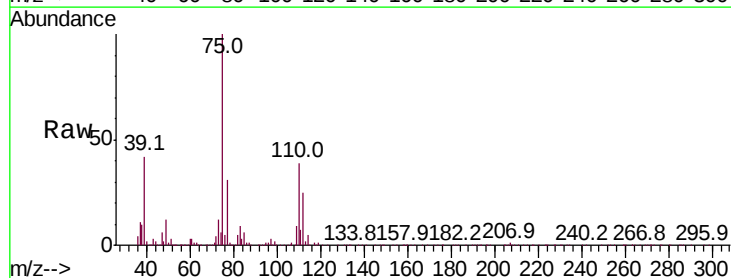
RT: 4.49 min Scan# 401

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	75	Resp:	671676
Ion Ratio	Lower	Upper	
75	100		
110	39.1	19.7	59.1
77	31.5	26.3	39.5





#37

Ethyl Acetate

Concen: 47.487 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

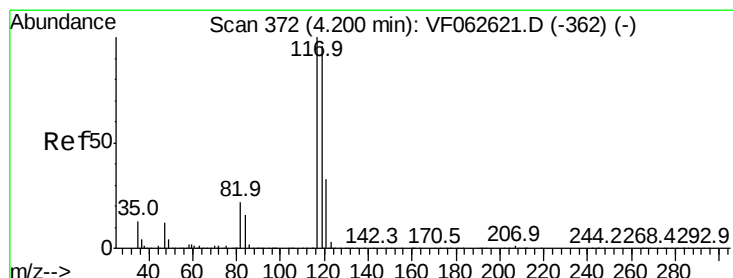
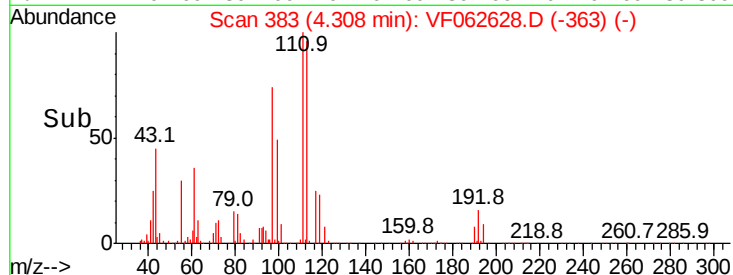
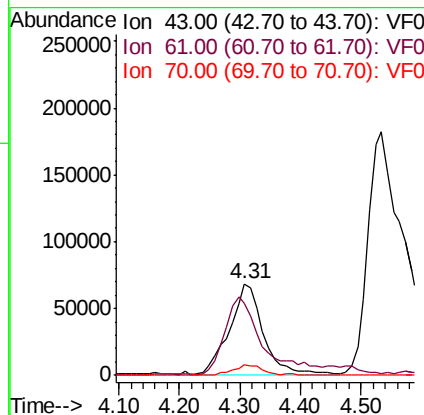
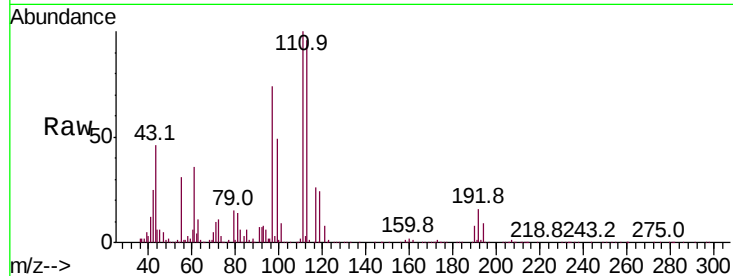
ClientSampleId :

ICVVF051619

Tot Ion:	43	Resp:	258555
Ion Ratio	Lower	Upper	
43	100		
61	79.3	76.9	115.3
70	11.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
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#38

Carbon Tetrachloride

Concen: 44.862 ug/l

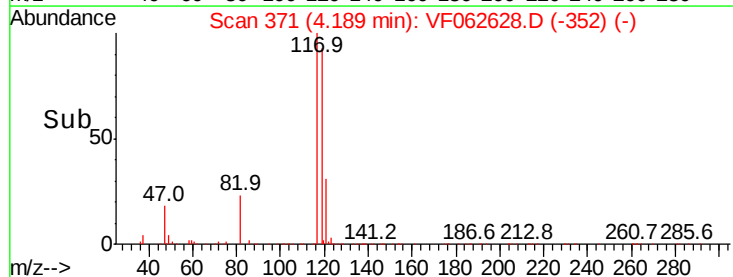
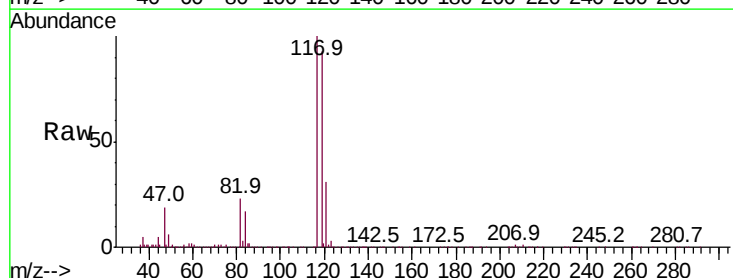
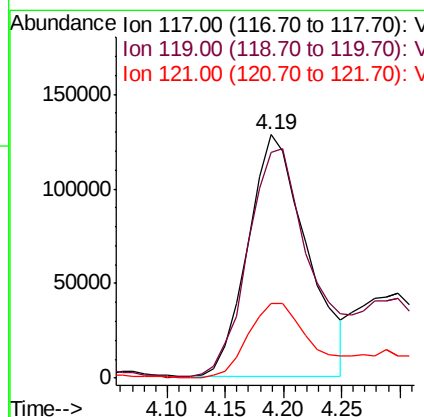
RT: 4.19 min Scan# 371

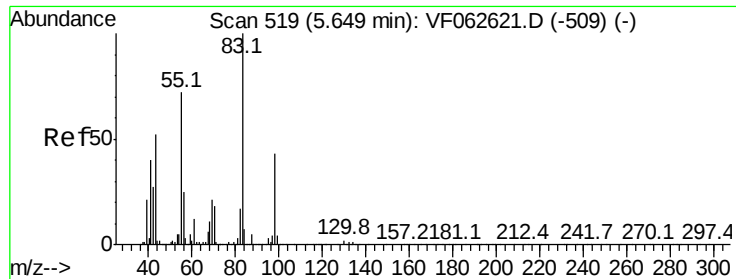
Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	117	Resp:	449917
Ion Ratio	Lower	Upper	
117	100		
119	92.6	76.7	115.1
121	30.6	26.6	40.0





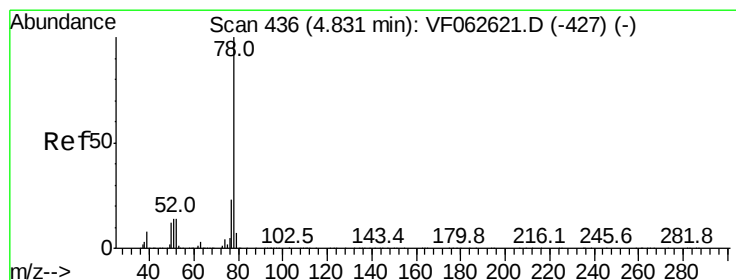
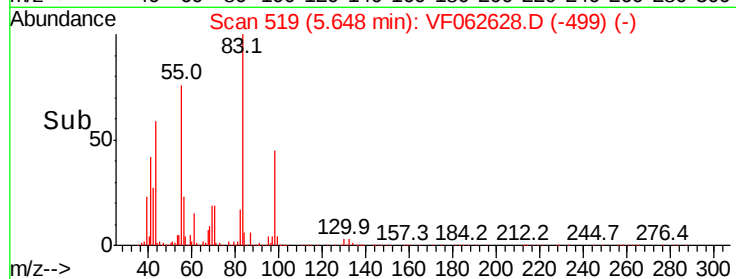
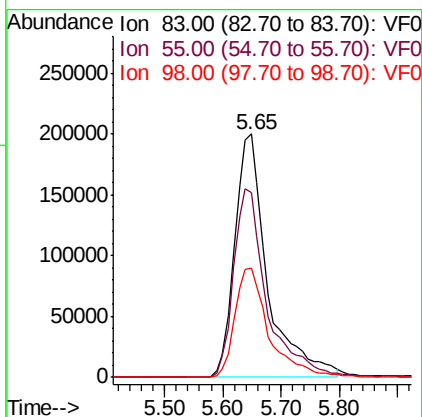
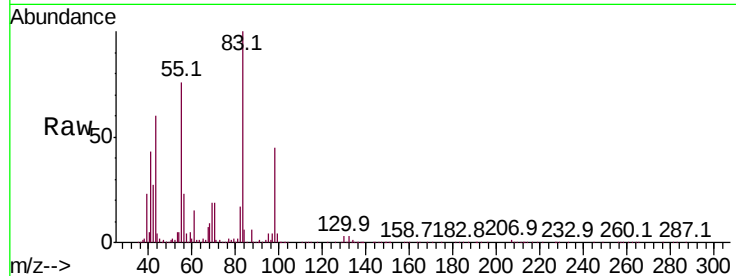
#39
Methvlcvclohexane
Concen: 48.740 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Resp	Lower	Upper
83	100	782055		
55	75.7		57.9	86.9
98	44.7		34.6	52.0

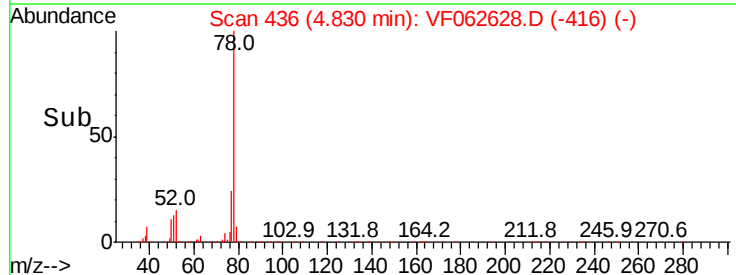
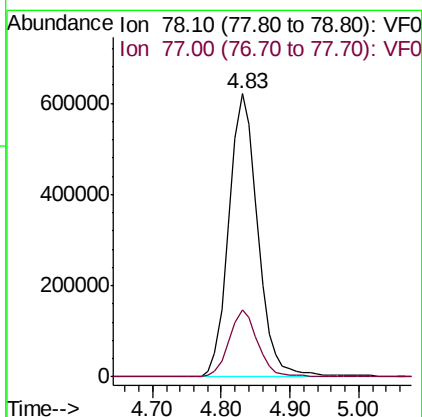
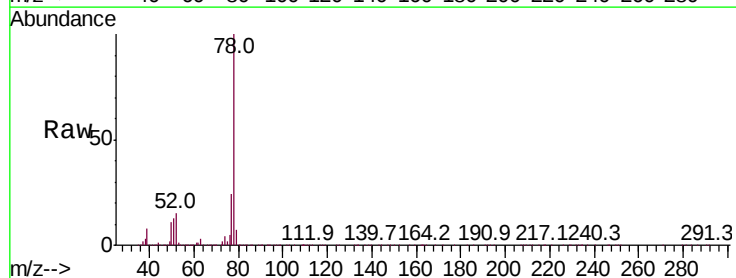
Manual Integrations
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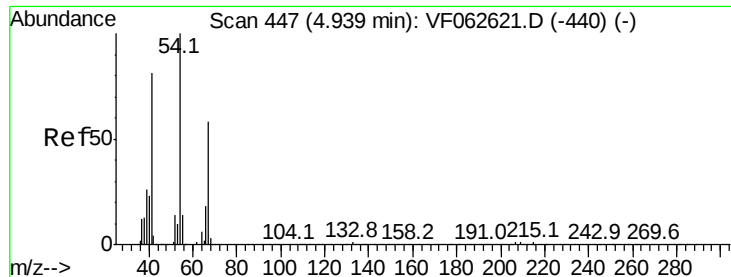
MMDadoda
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#40
Benzene
Concen: 49.969 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1815304		
77	23.8		18.2	27.2





#41

Methacrylonitrile

Concen: 51.519 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

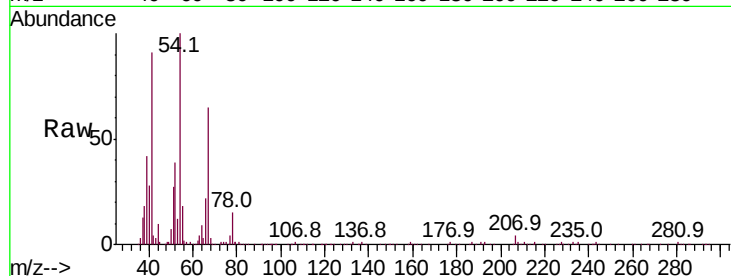
ClientSampleId :

ICVVF051619

Tot Ion	41	Resp	147062
Ion Ratio	Lower	Upper	
41	100		
39	46.5	42.2	63.2
67	71.2	56.4	84.6
52	42.9	38.8	58.2

Manual Integrations
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5/17/2019 4:20:35 PM

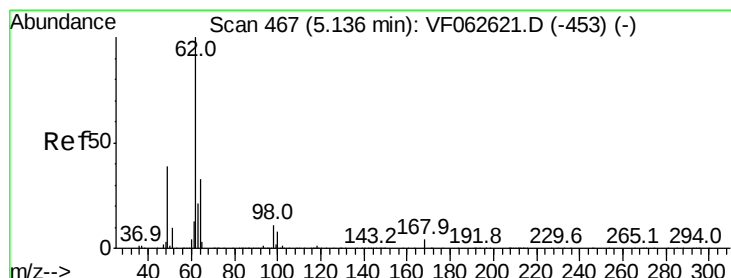
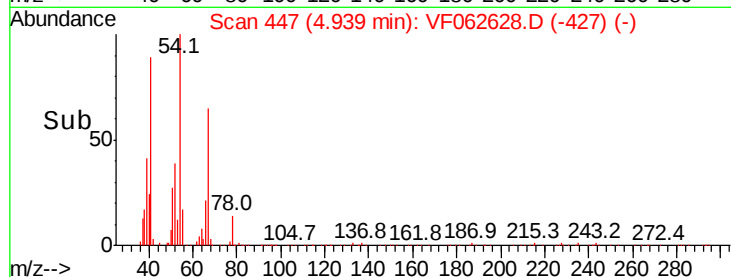
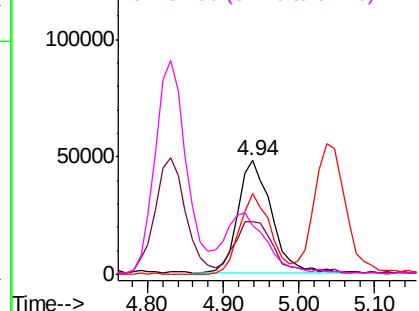


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 49.914 ug/l

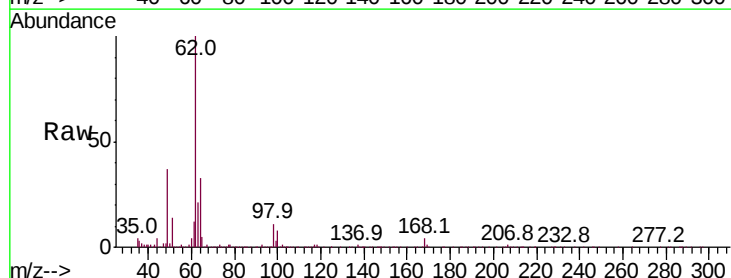
RT: 5.14 min Scan# 467

Delta R.T. -0.00 min

Lab File: VF062628.D

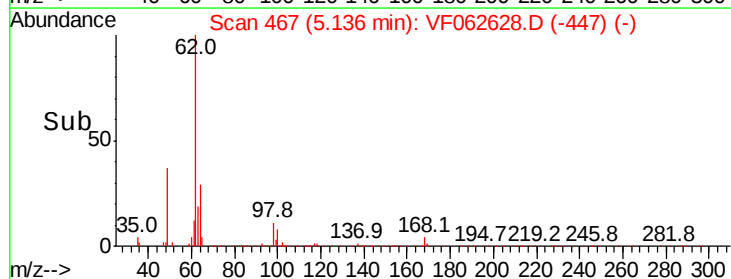
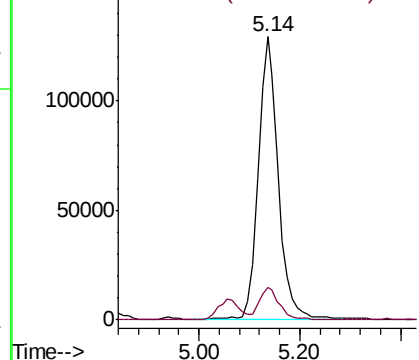
Acq: 16 May 2019 16:15

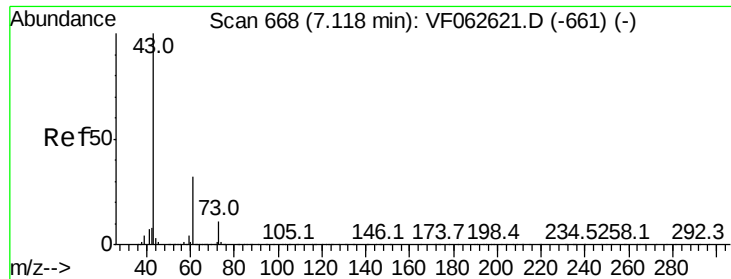
Tgt Ion	62	Resp	361596
Ion Ratio	Lower	Upper	
62	100		
98	11.4	0.0	21.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#43

Isopropyl Acetate

Concen: 43.614 ug/l

RT: 7.12 min Scan# 668

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

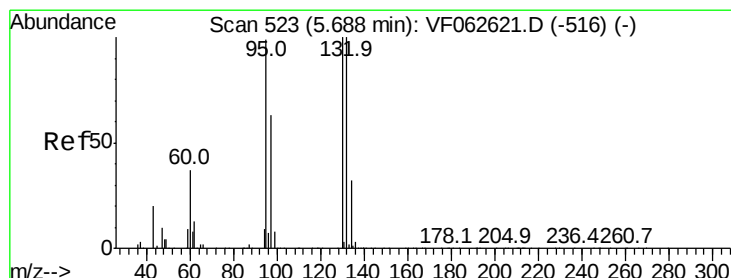
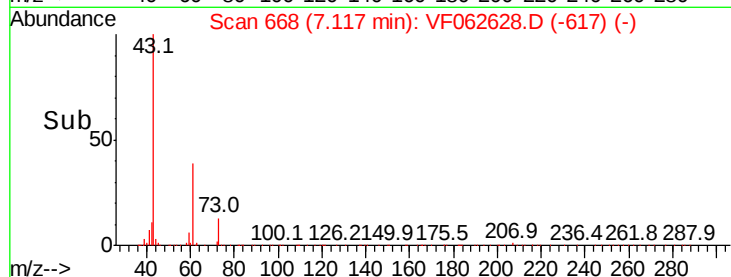
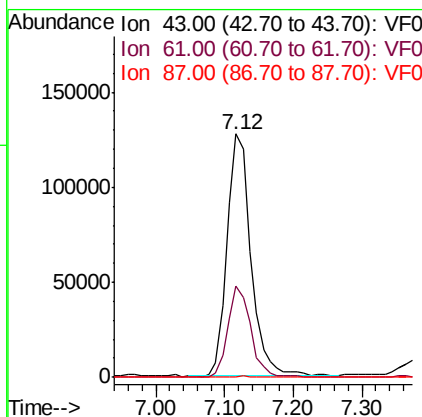
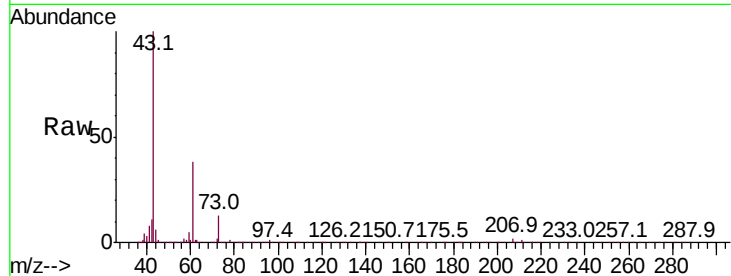
ClientSampleId :

ICVVF051619

Tot Ion:	43	Resp:	307649
Ion Ratio	Lower	Upper	
43	100		
61	37.7	25.8	38.8
87	0.2	0.4	0.6#

Manual Integrations
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#44

Trichloroethene

Concen: 49.016 ug/l

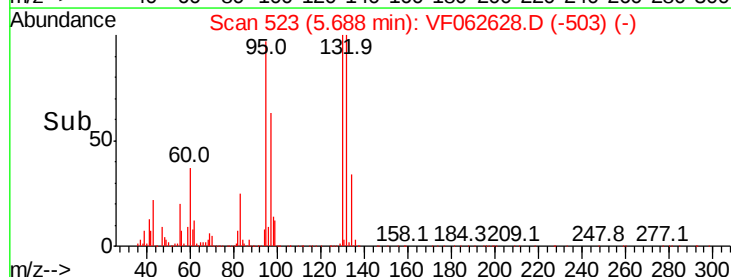
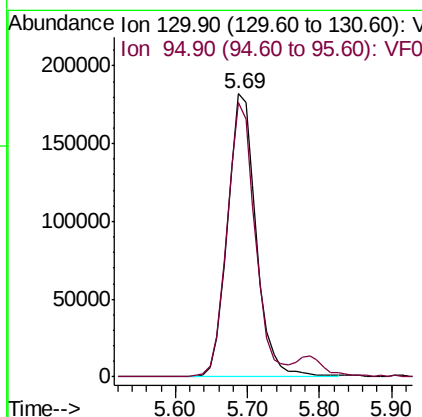
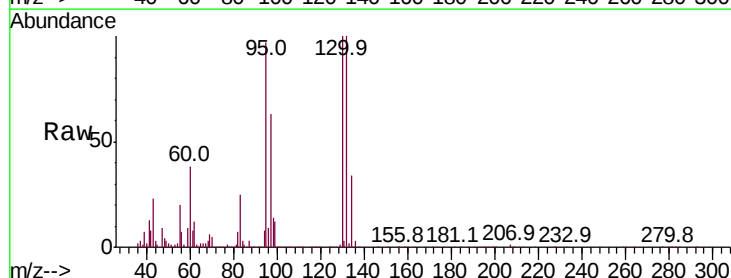
RT: 5.69 min Scan# 523

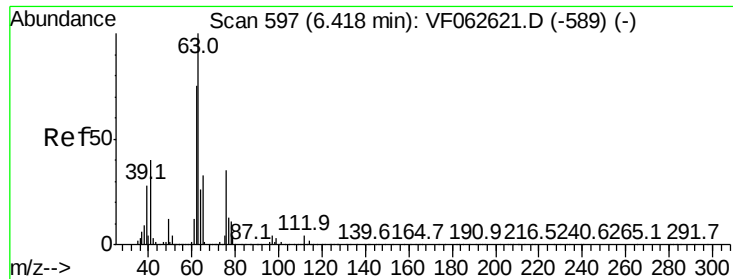
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	130	Resp:	500460
Ion Ratio	Lower	Upper	
130	100		
95	97.0	0.0	199.4





#45

1,2-Dichloropropane

Concen: 49.212 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 63 Resp: 451304

Ion Ratio Lower Upper

63 100

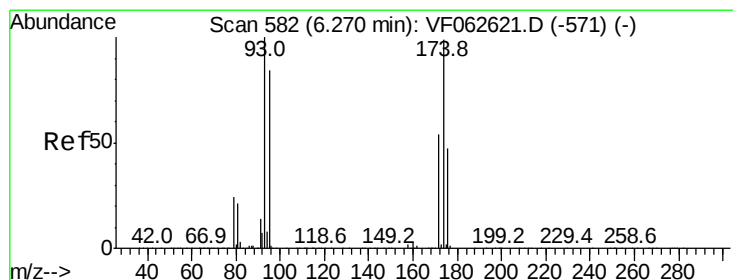
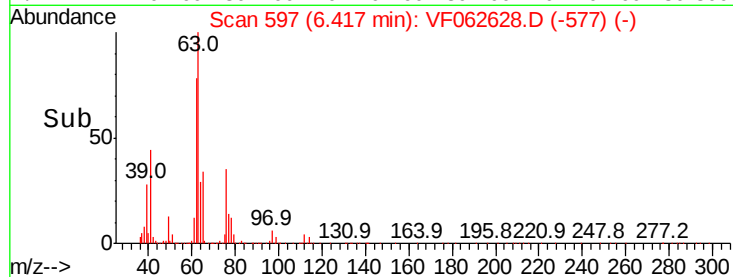
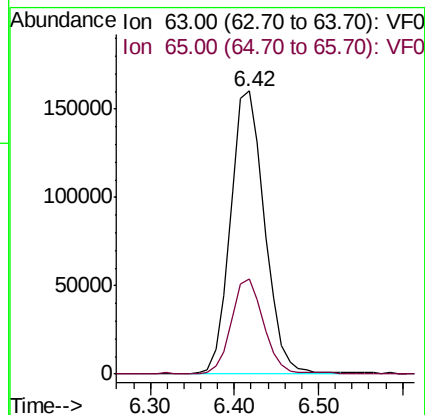
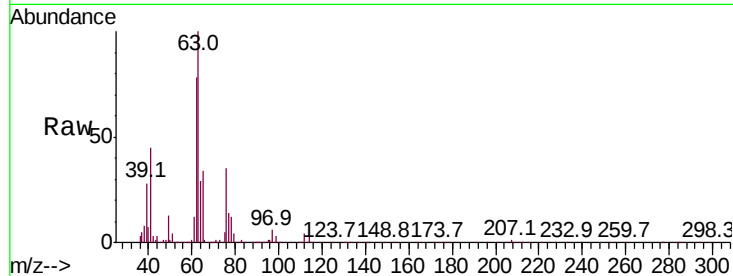
65 33.6 26.3 39.5

Manual Integrations

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#46

Dibromomethane

Concen: 48.978 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

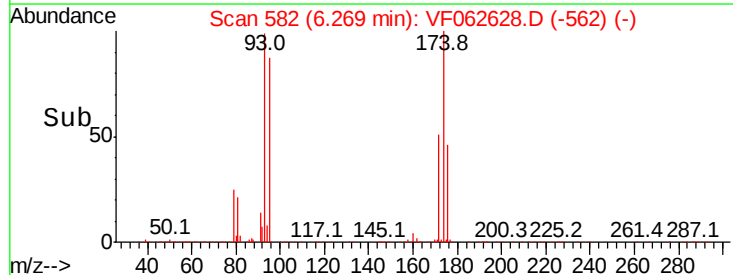
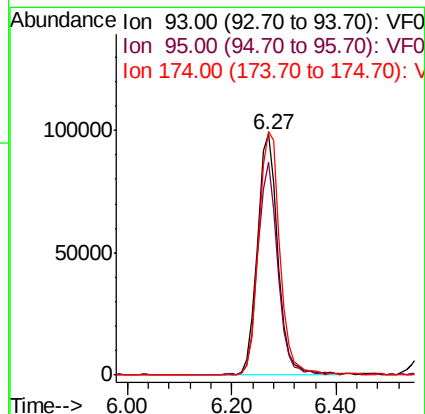
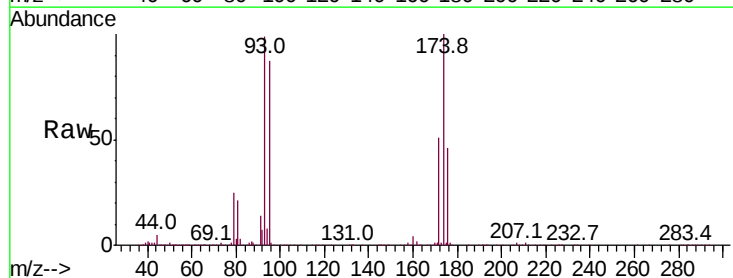
Tgt Ion: 93 Resp: 259581

Ion Ratio Lower Upper

93 100

95 88.2 67.4 101.2

174 101.0 79.4 119.2





#47

Bromodichloromethane

Concen: 49.171 ug/l

RT: 6.56 min Scan# 611

Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

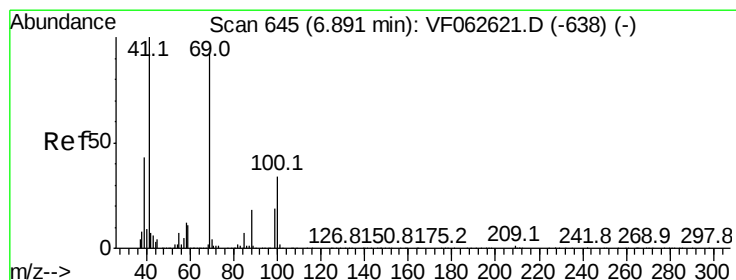
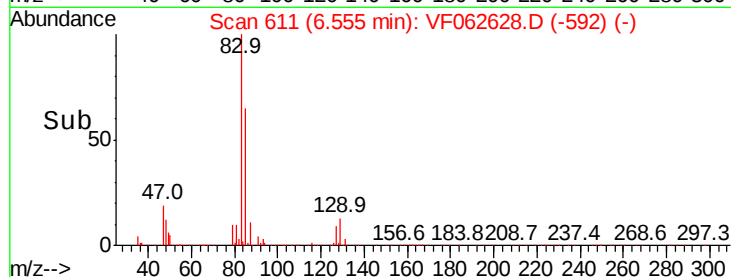
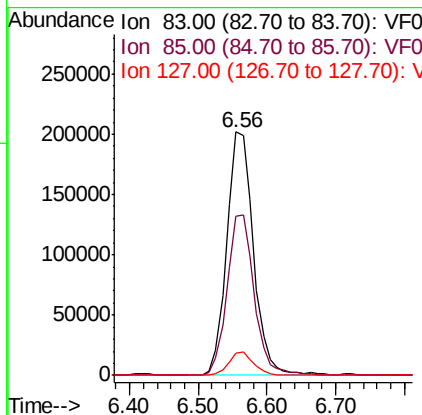
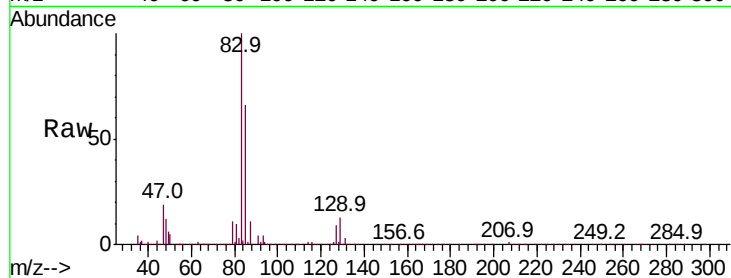
ClientSampleId :

ICVVF051619

Tot Ion:	83	Resp:	541013
Ion Ratio	Lower	Upper	
83	100		
85	65.6	52.0	78.0
127	8.9	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 47.205 ug/l

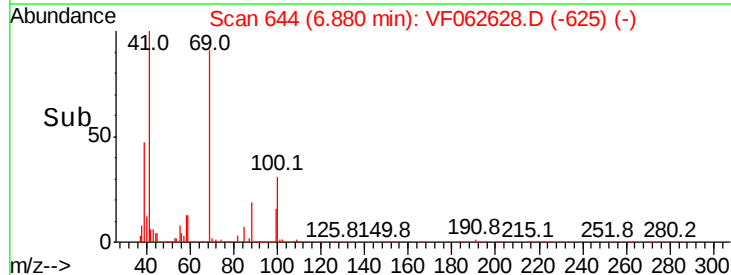
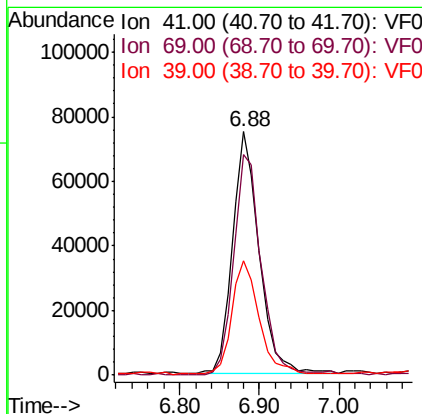
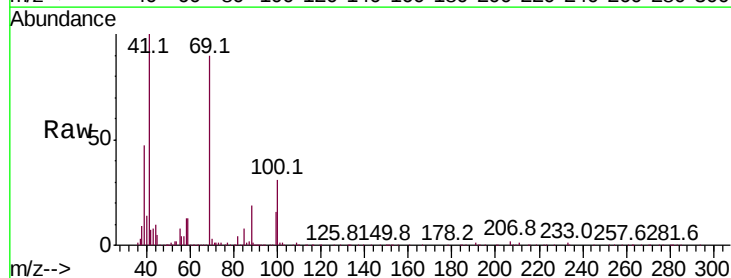
RT: 6.88 min Scan# 644

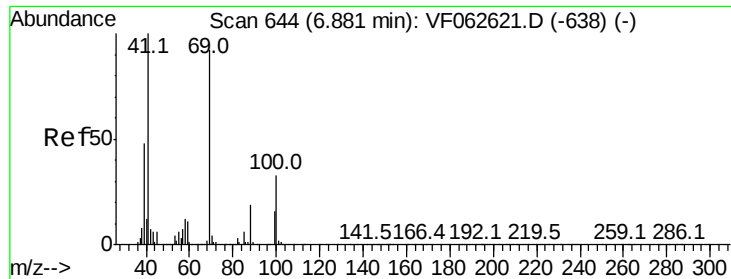
Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	41	Resp:	174041
Ion Ratio	Lower	Upper	
41	100		
69	90.5	74.2	111.2
39	47.0	34.2	51.4





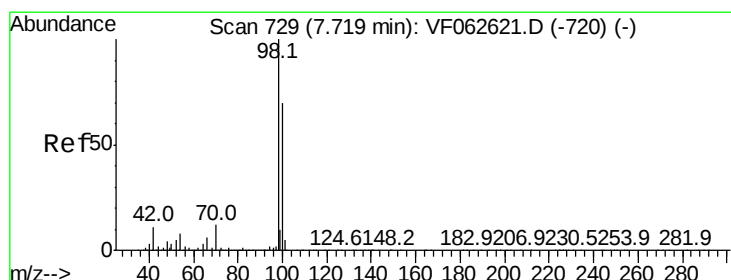
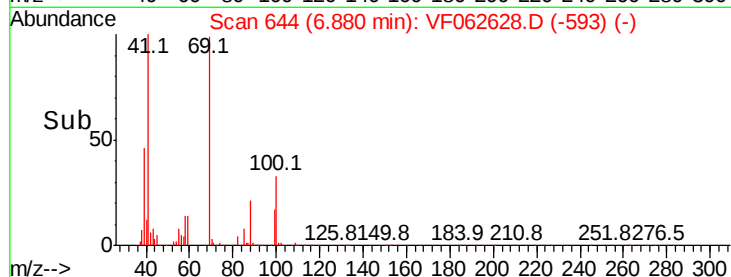
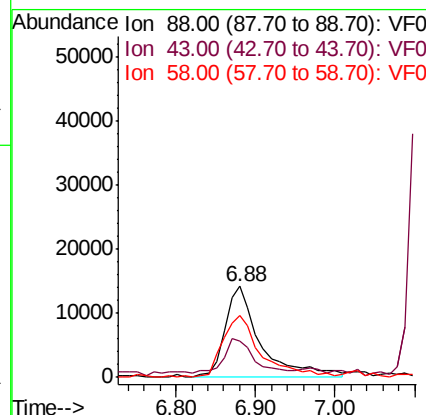
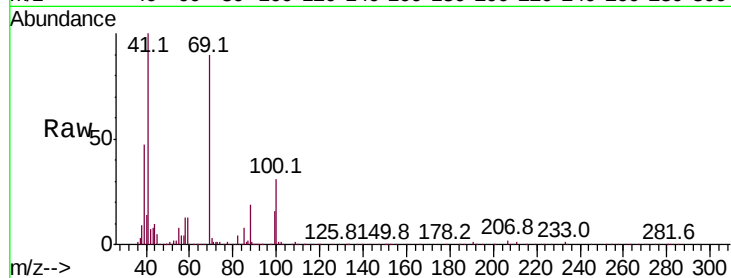
#49
1,4-Dioxane
Concen: 942.341 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	30.0	45.0
58	67.4	51.1	76.7

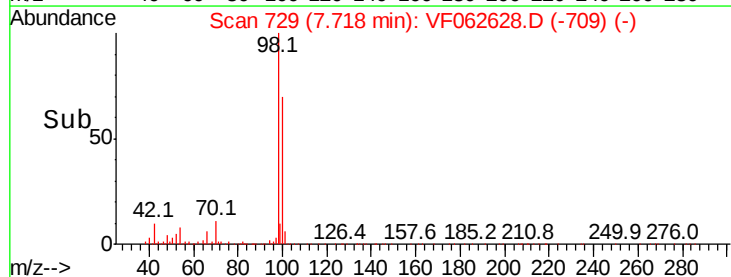
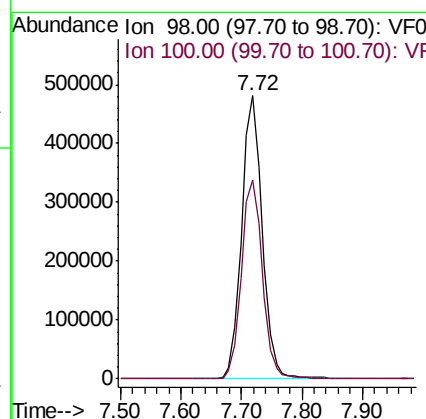
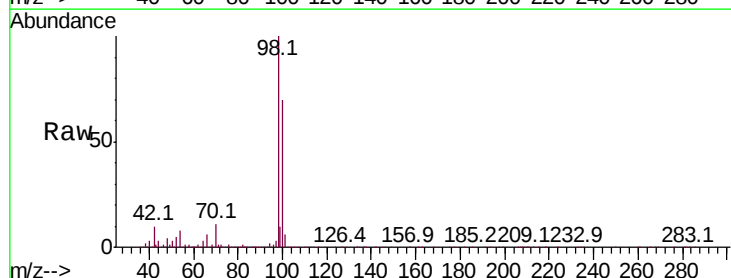
Manual Integrations
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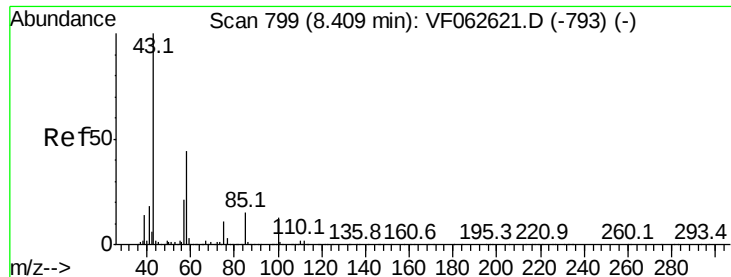
MMDadoda
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#50
Toluene-d8
Concen: 47.853 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.3	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 231.184 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 43 Resp: 1114668

Ion Ratio Lower Upper

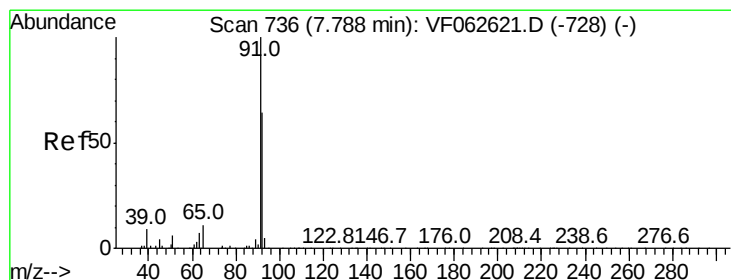
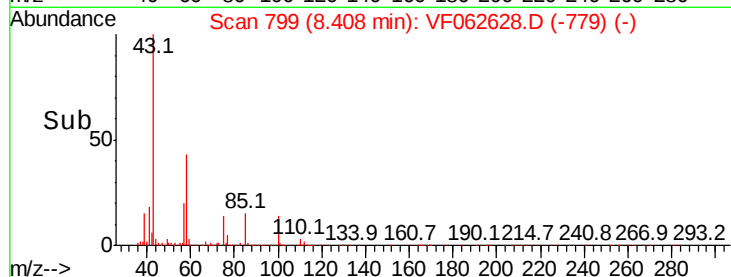
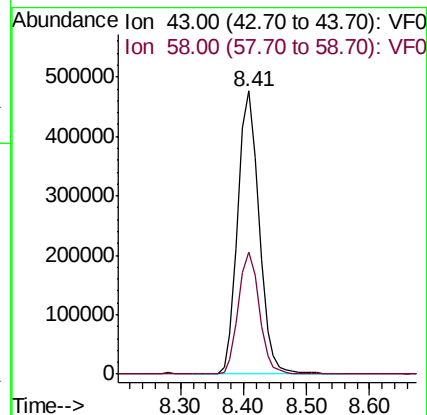
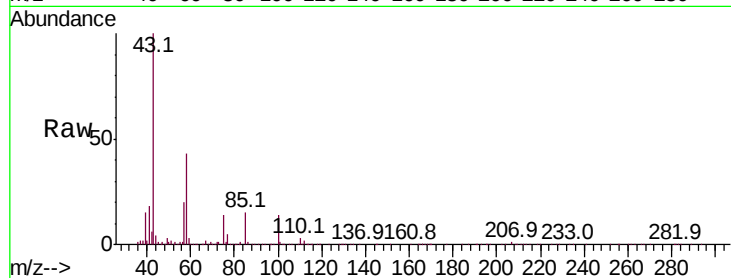
43 100

58 43.3 34.9 52.3

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#52

Toluene

Concen: 50.457 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062628.D

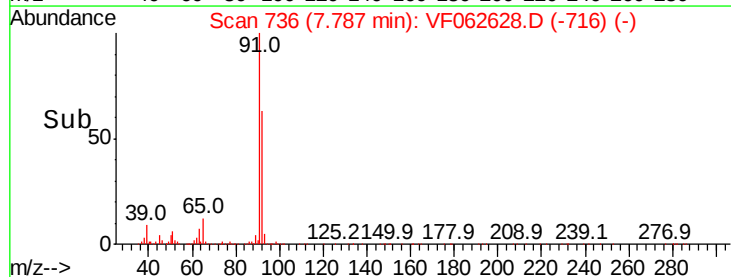
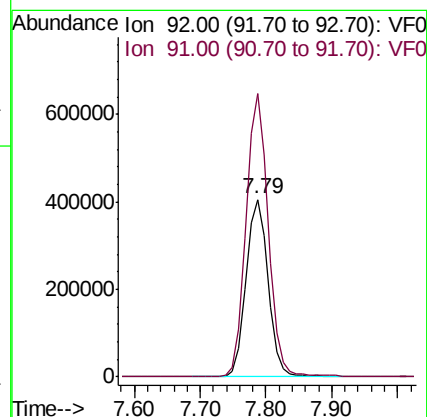
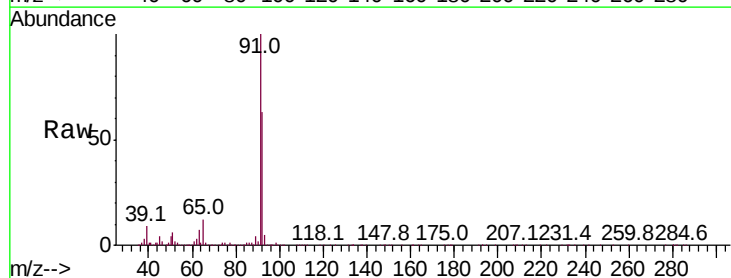
Acq: 16 May 2019 16:15

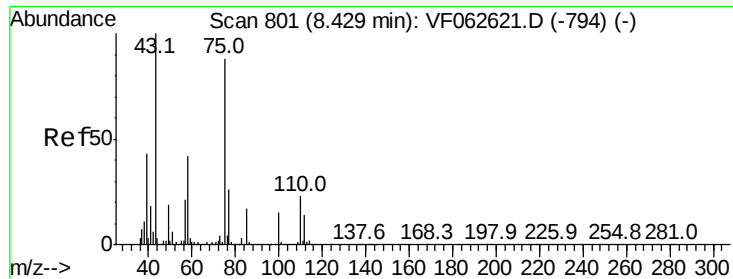
Tgt Ion: 92 Resp: 961323

Ion Ratio Lower Upper

92 100

91 159.7 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 50.516 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 75 Resp: 454723

Ion Ratio Lower Upper

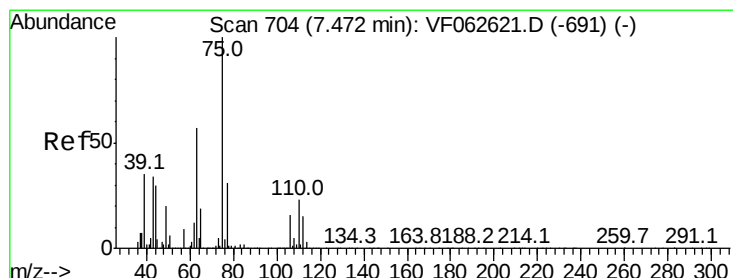
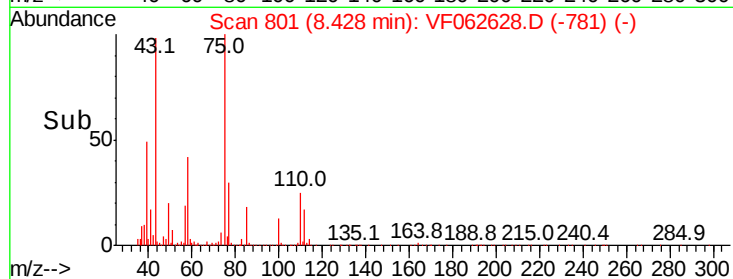
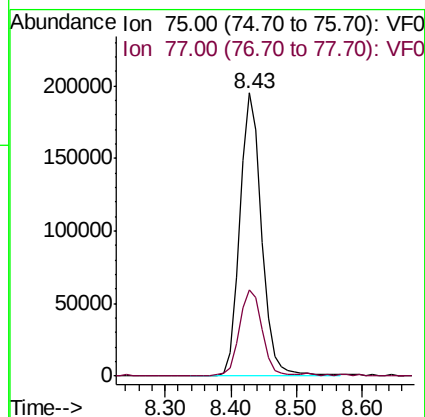
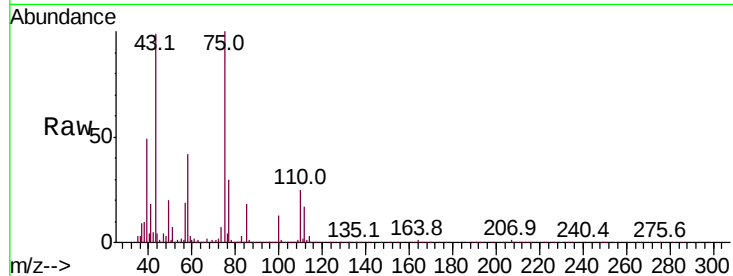
75 100

77 30.4 24.2 36.4

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 50.529 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

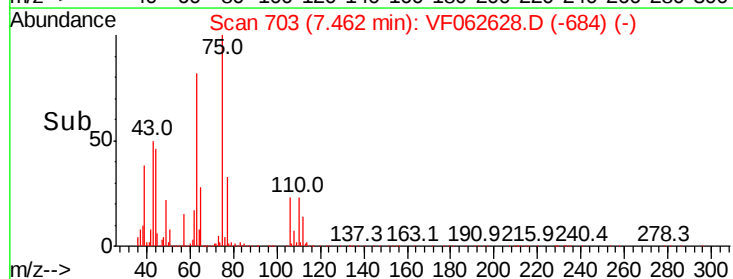
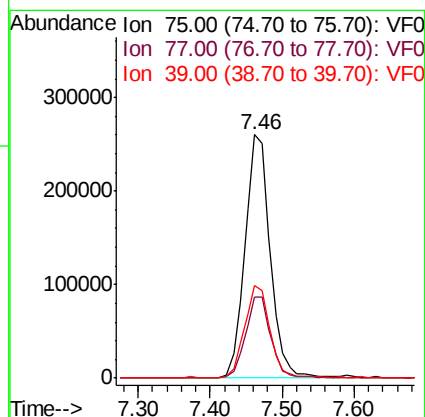
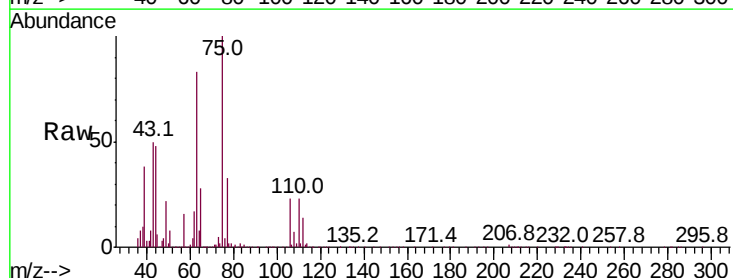
Tgt Ion: 75 Resp: 636692

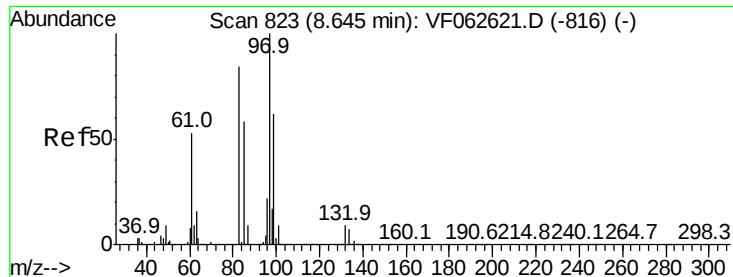
Ion Ratio Lower Upper

75 100

77 33.4 25.3 37.9

39 38.0 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 48.470 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

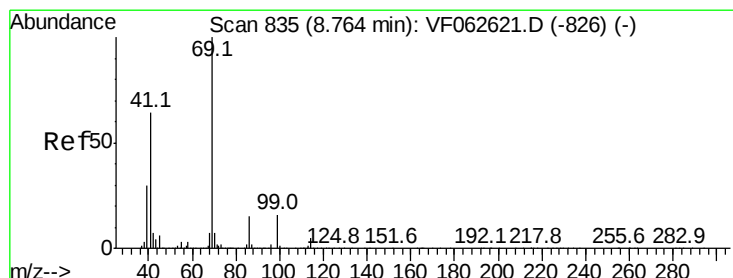
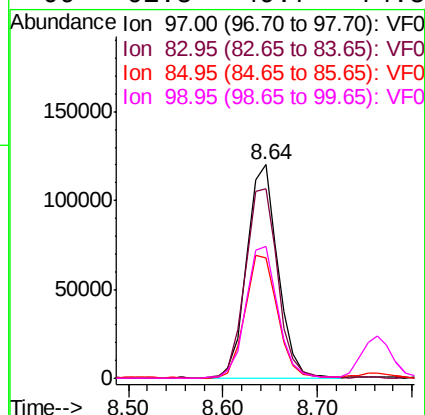
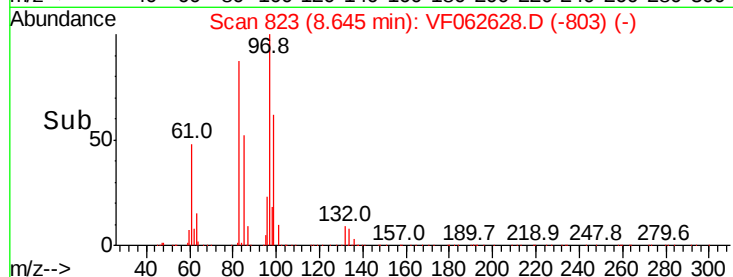
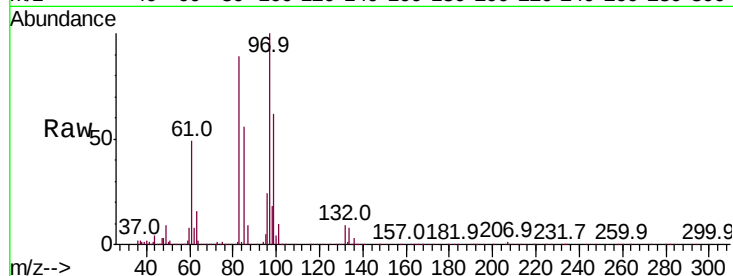
ClientSampleId :

ICVVF051619

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		273423		
83	88.5	67.3	100.9		
85	56.2	46.6	69.8		
99	61.5	49.7	74.5		

Manual Integrations
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#56

Ethyl methacrylate

Concen: 47.153 ug/l

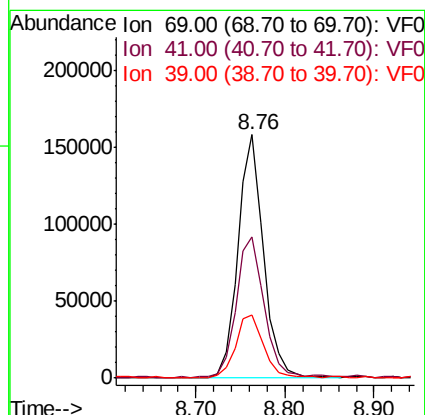
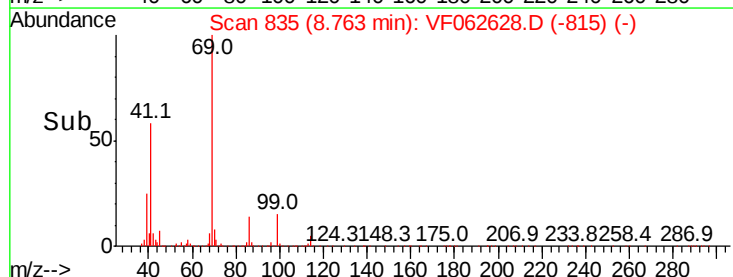
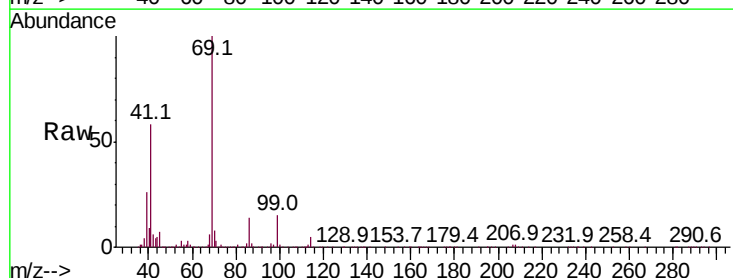
RT: 8.76 min Scan# 835

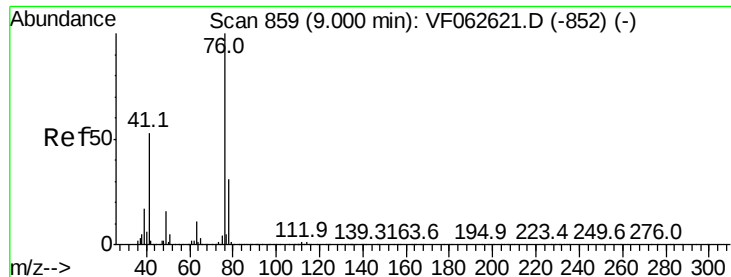
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		316897		
41	58.1	51.4	77.2		
39	25.8	23.6	35.4		





#57

1,3-Dichloropropane

Concen: 47.963 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062628.D

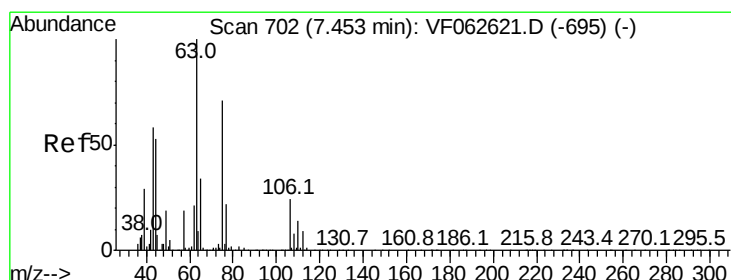
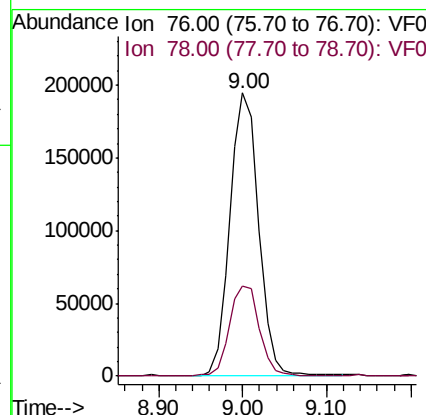
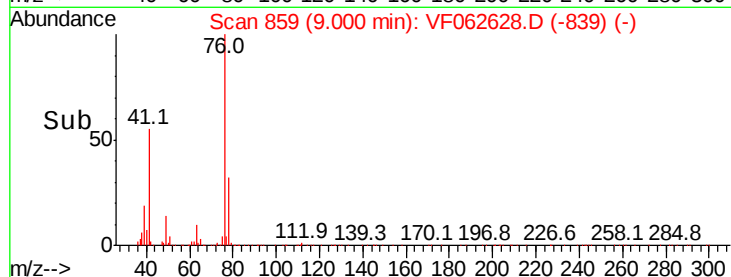
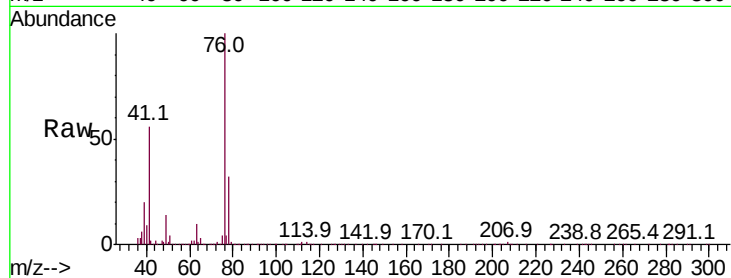
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 253.650 ug/l

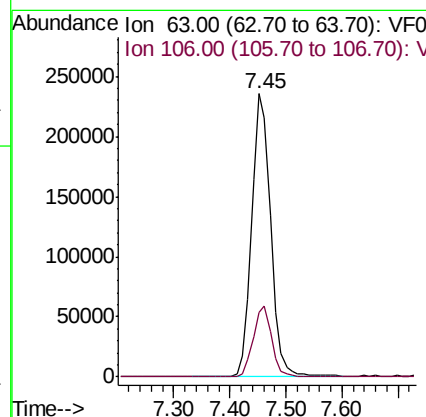
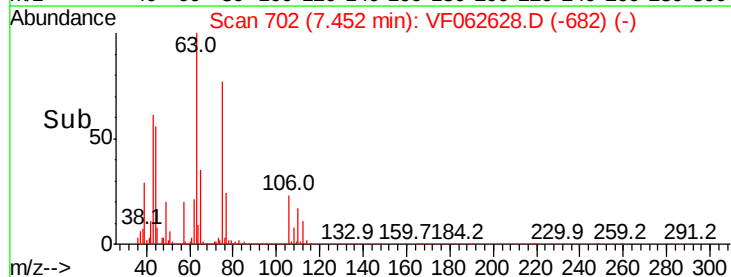
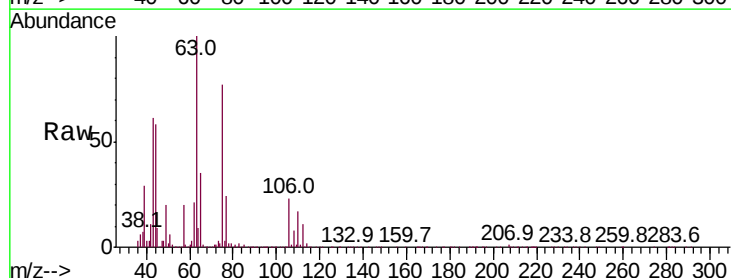
RT: 7.45 min Scan# 702

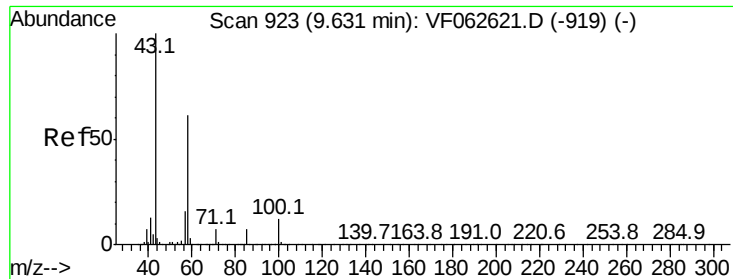
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
63	100		
106	22.8	19.1	28.7





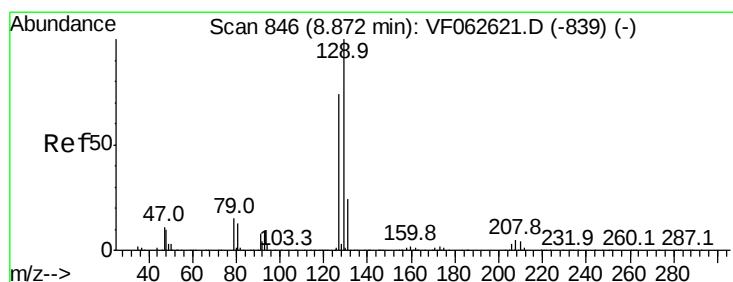
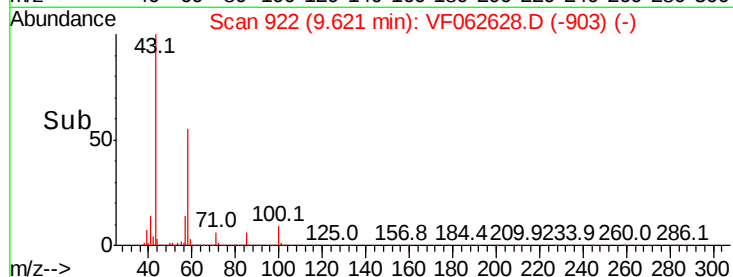
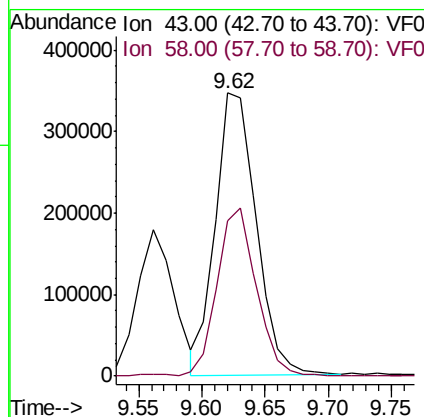
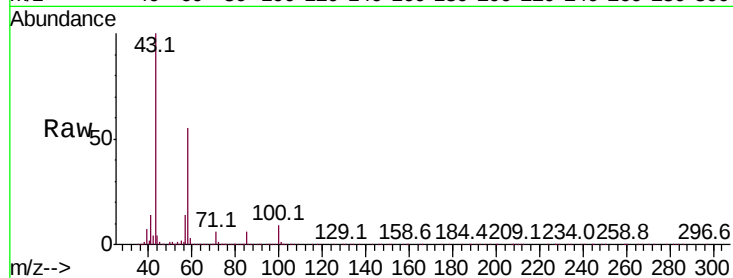
#59
2-Hexanone
Concen: 247.770 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion: 43 Resp: 777745
Ion Ratio Lower Upper
43 100
58 55.0 28.1 84.4

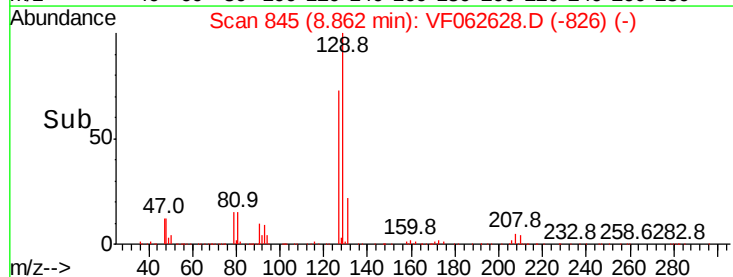
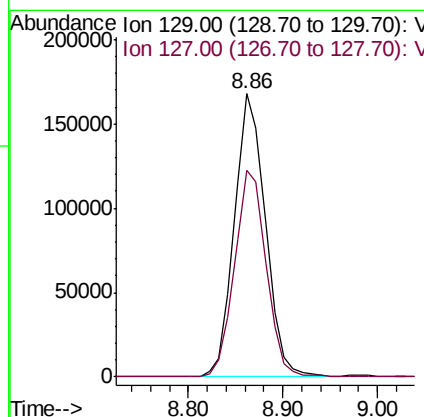
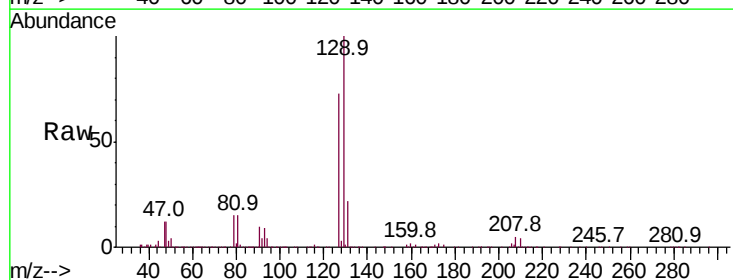
Manual Integrations
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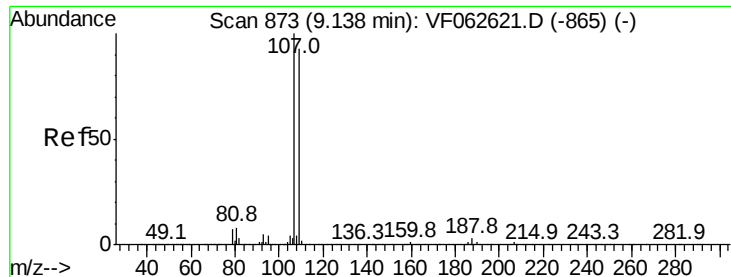
MMDadoda
5/17/2019 4:20:35 PM



#60
Dibromochloromethane
Concen: 51.940 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion: 129 Resp: 381873
Ion Ratio Lower Upper
129 100
127 72.9 37.2 111.6





#61

1,2-Dibromoethane

Concen: 50.675 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion:107 Resp: 303631

Ion Ratio Lower Upper

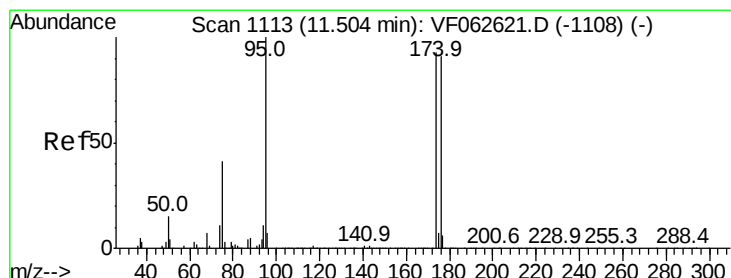
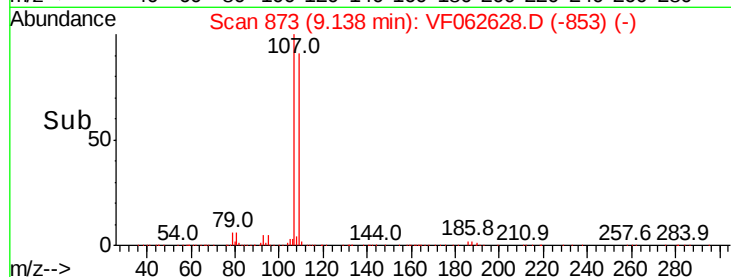
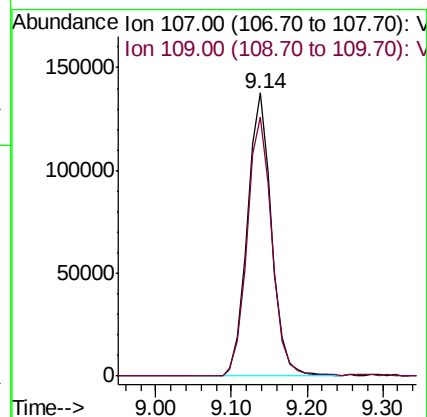
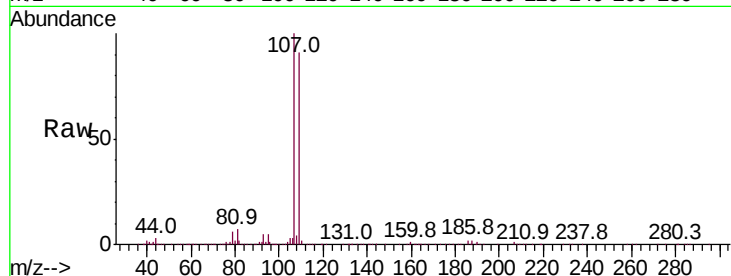
107 100

109 91.5 74.8 112.2

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 46.542 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

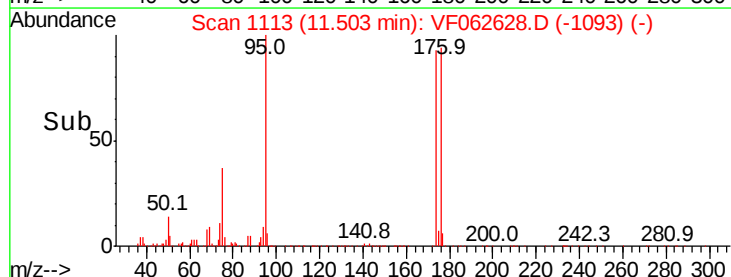
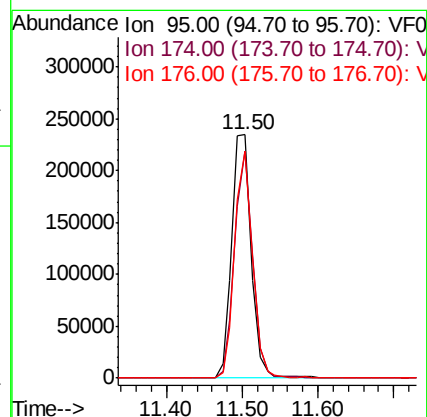
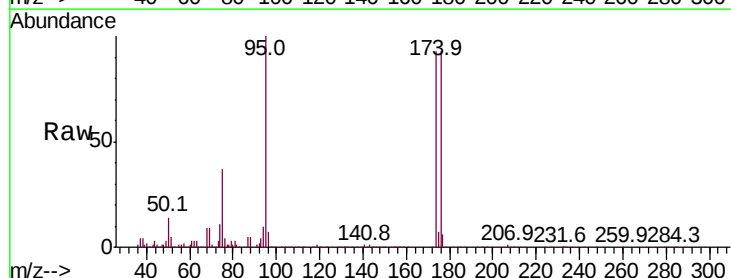
Tgt Ion: 95 Resp: 419695

Ion Ratio Lower Upper

95 100

174 93.0 0.0 185.6

176 93.5 0.0 182.4





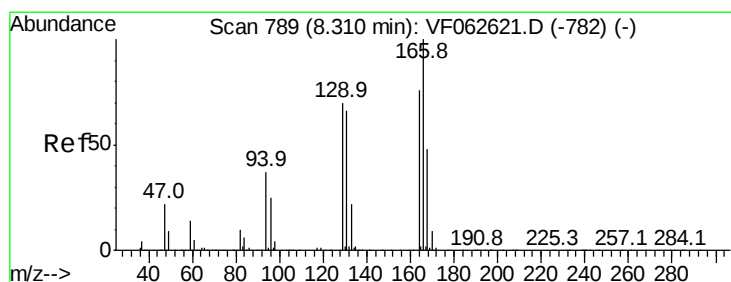
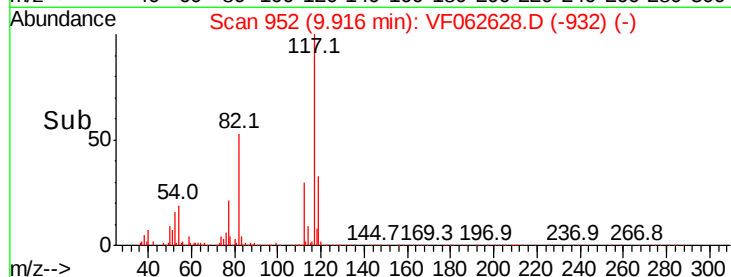
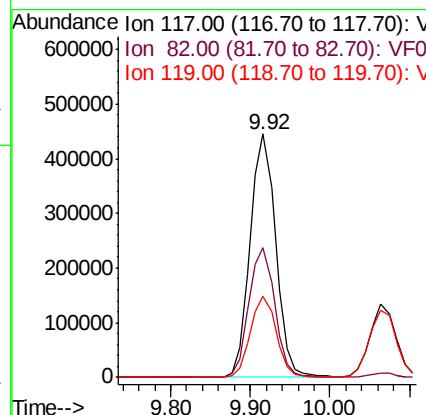
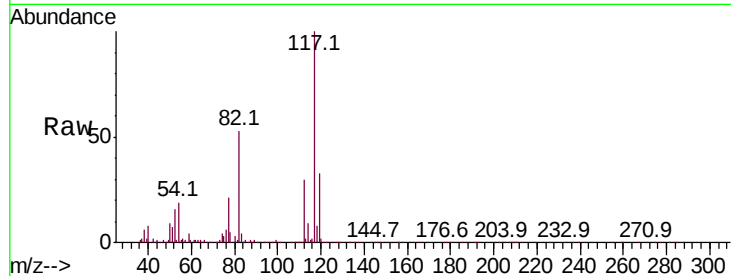
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Resp	Lower	Upper
117	100	984012		
82	53.3		43.3	64.9
119	33.2		27.4	41.0

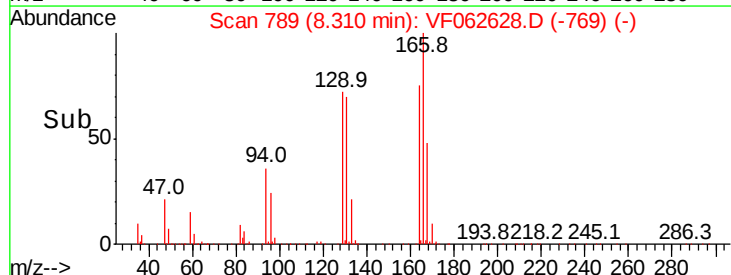
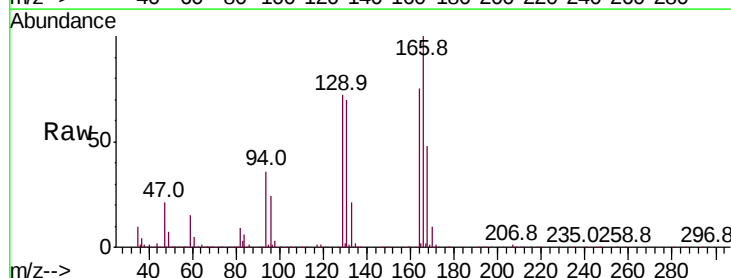
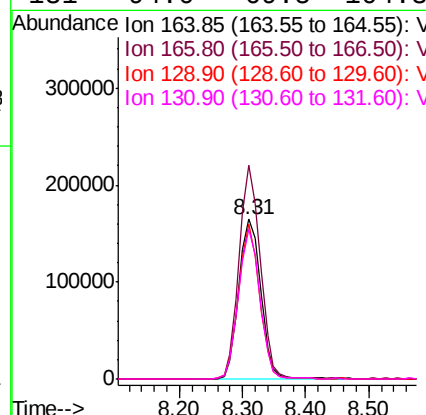
Manual Integrations
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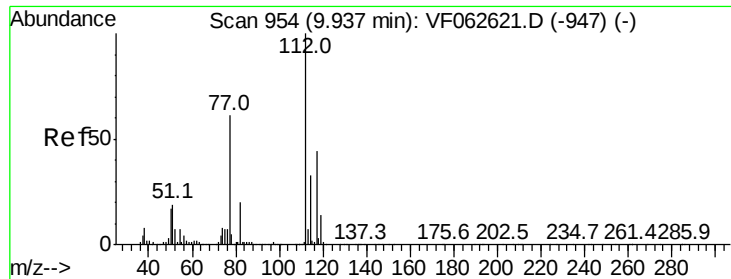
MMDadoda
5/17/2019 4:20:35 PM



#64
Tetrachloroethene
Concen: 50.953 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	397207		
166	133.9		105.5	158.3
129	97.0		73.8	110.6
131	94.0		69.5	104.3





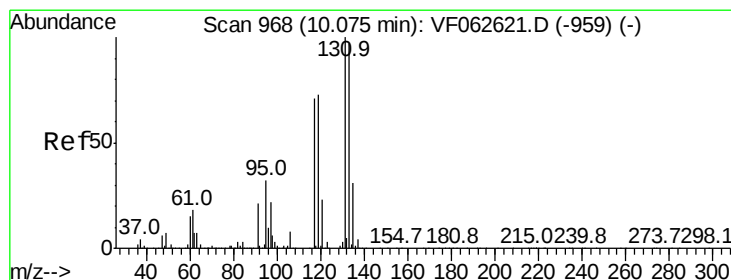
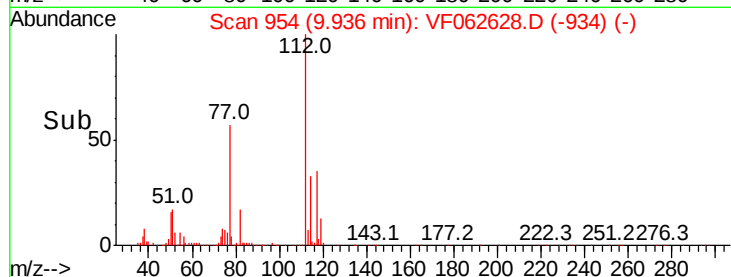
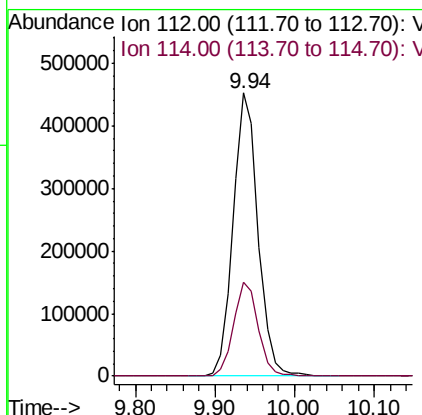
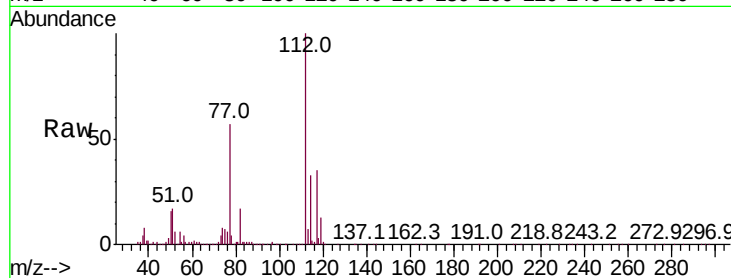
#65
Chlorobenzene
Concen: 51.147 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Resp	Lower	Upper
112	100	988511		
114	33.1	26.8	40.2	

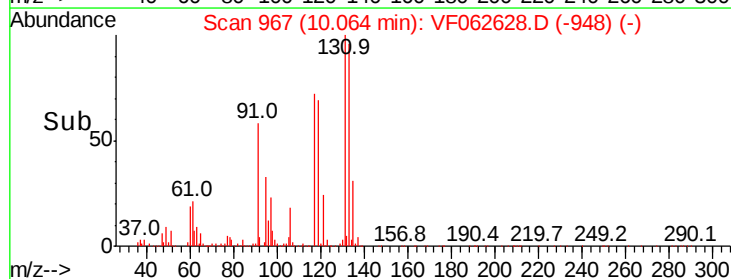
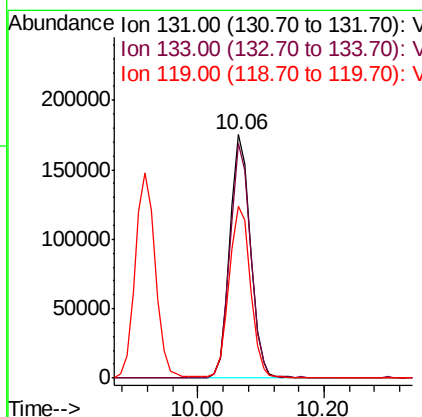
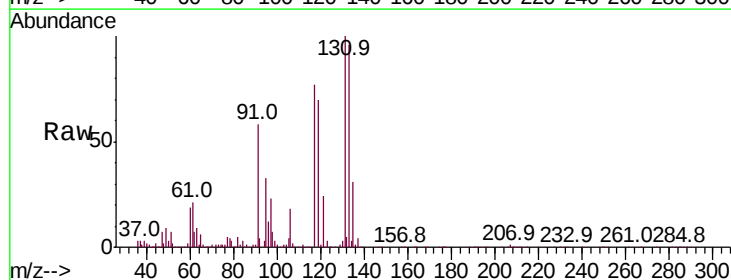
Manual Integrations
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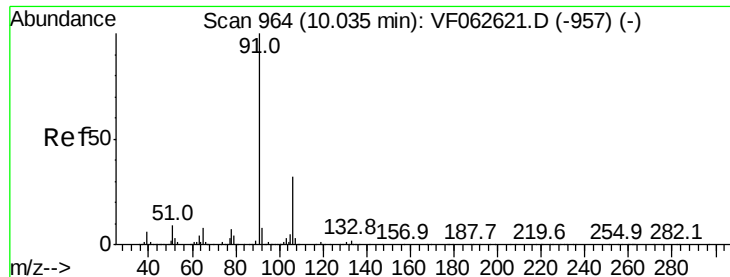
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.914 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	395032		
133	96.2	48.5	145.5	
119	70.5	36.8	110.4	





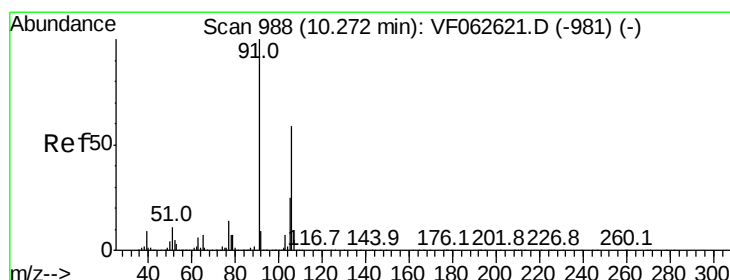
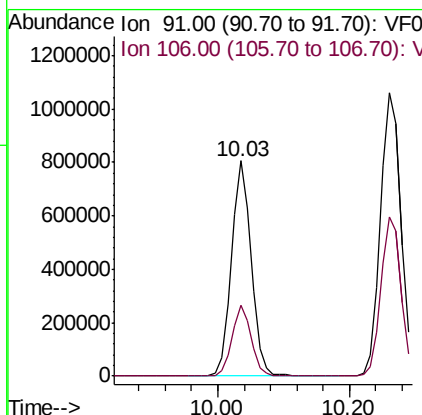
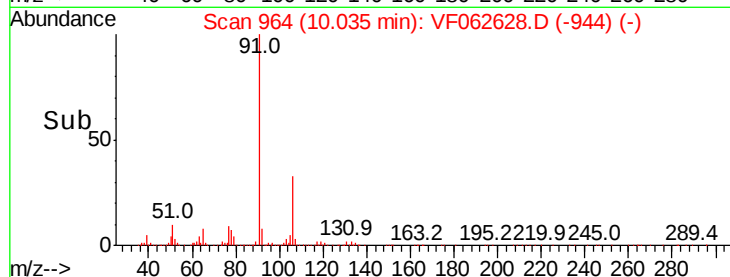
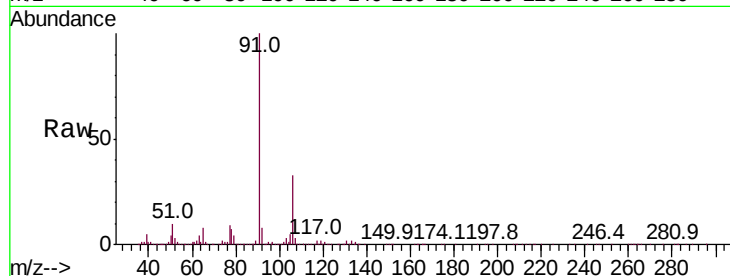
#67
Ethyl Benzene
Concen: 50.732 ug/l
RT: 10.03 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion: 91 Resp: 1703320
Ion Ratio Lower Upper
91 100
106 33.0 25.8 38.8

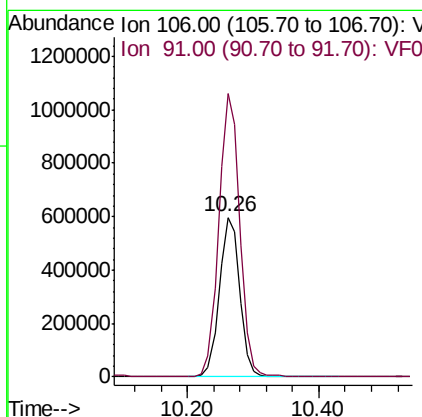
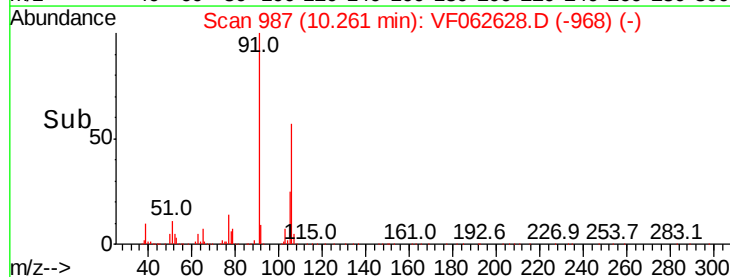
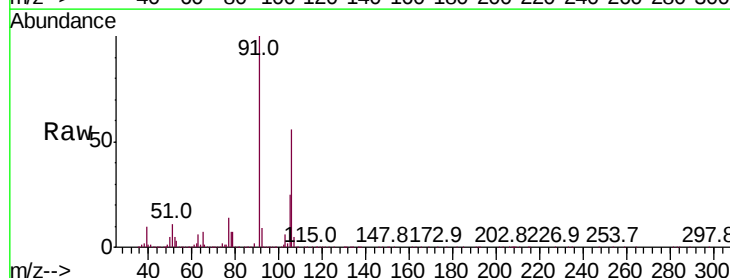
Manual Integrations
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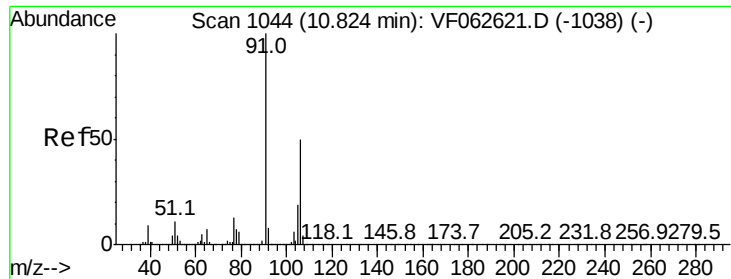
MMDadoda
5/17/2019 4:20:35 PM



#68
m/p-Xylenes
Concen: 101.979 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion: 106 Resp: 1286872
Ion Ratio Lower Upper
106 100
91 177.8 136.9 205.3





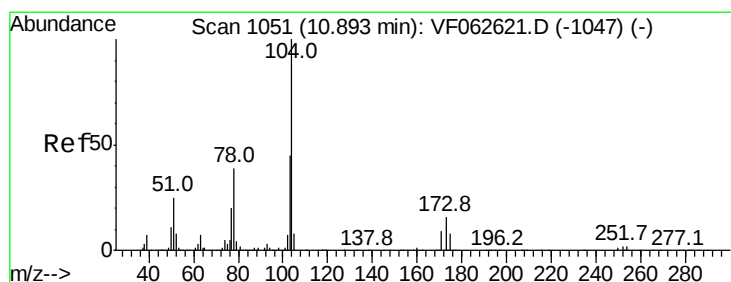
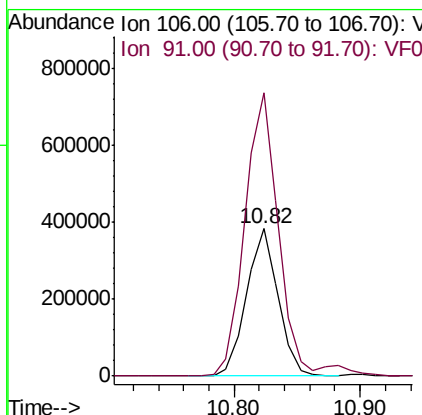
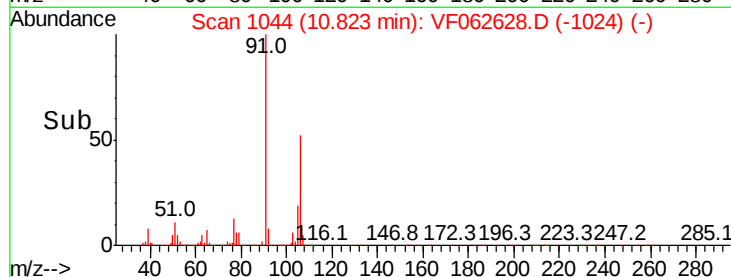
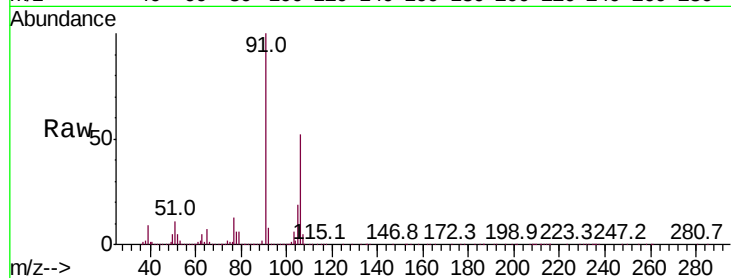
#69
o-Xylene
Concen: 51.475 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
106	100		
91	192.1	100.2	300.5

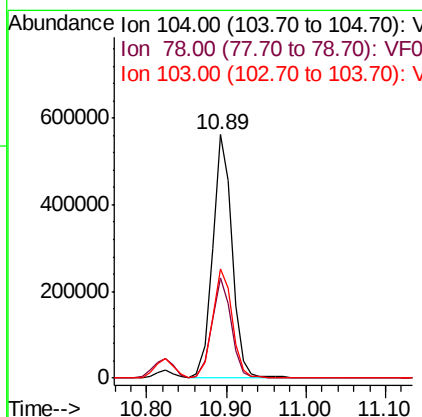
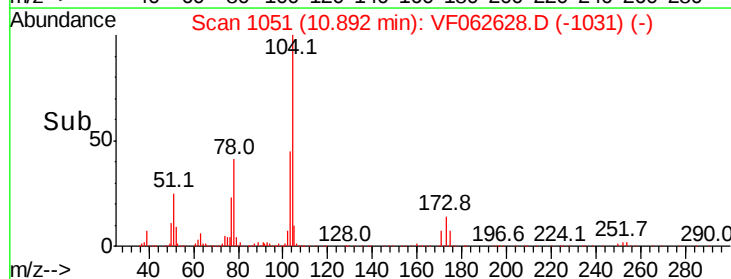
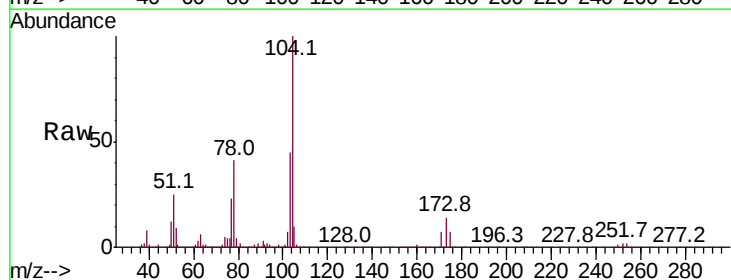
Manual Integrations
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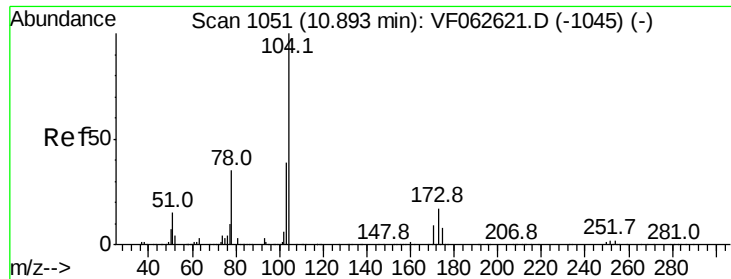
MMDadoda
5/17/2019 4:20:35 PM



#70
Styrene
Concen: 48.819 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.2	31.9	47.9
103	44.9	36.1	54.1





#71

Bromoform

Concen: 51.287 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

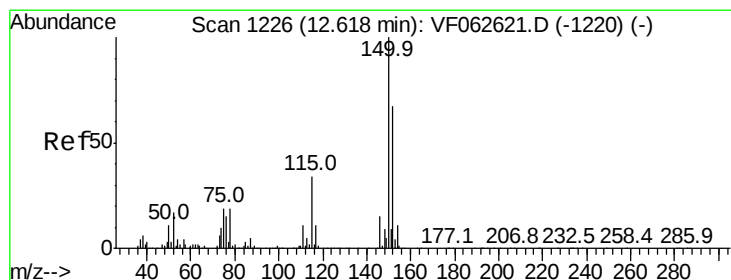
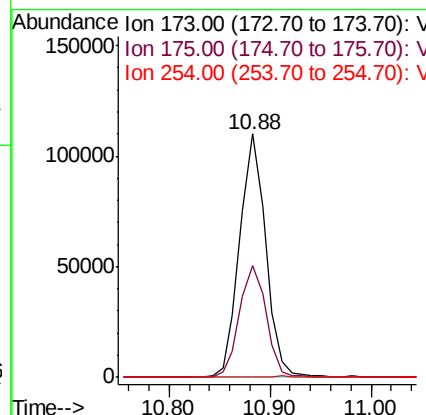
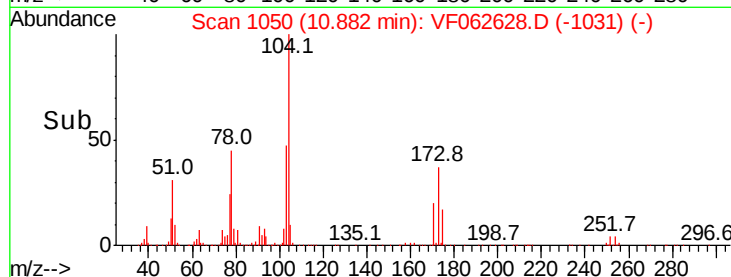
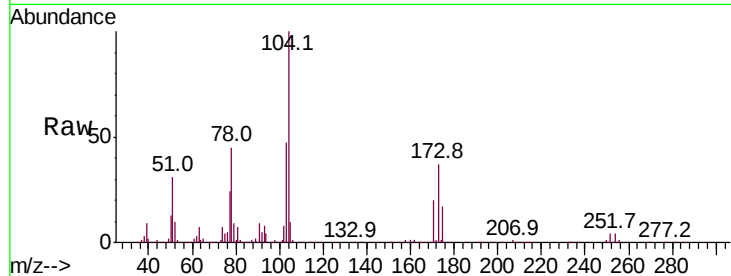
ClientSampleId :

ICVVF051619

Tot Ion:	173	Resp:	199296
Ion Ratio	Lower	Upper	
173	100		
175	46.0	25.3	75.9
254	0.2	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

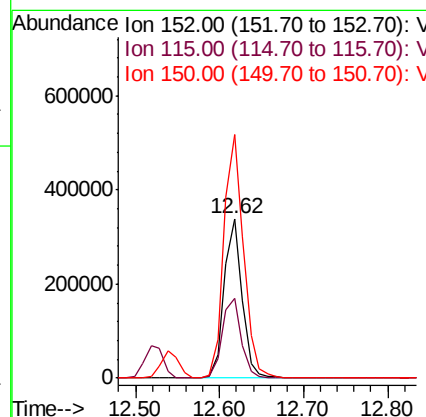
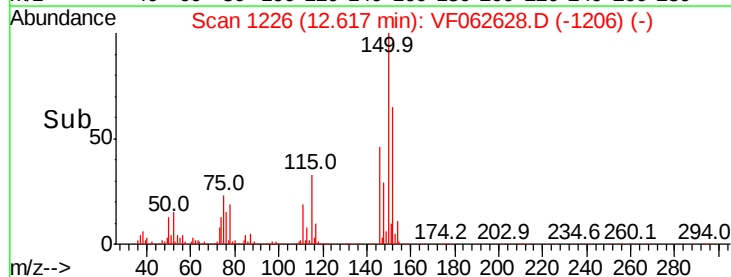
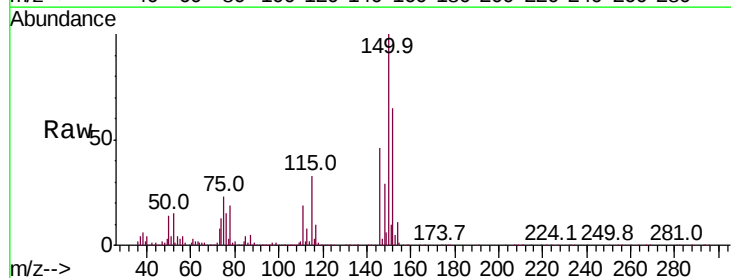
RT: 12.62 min Scan# 1226

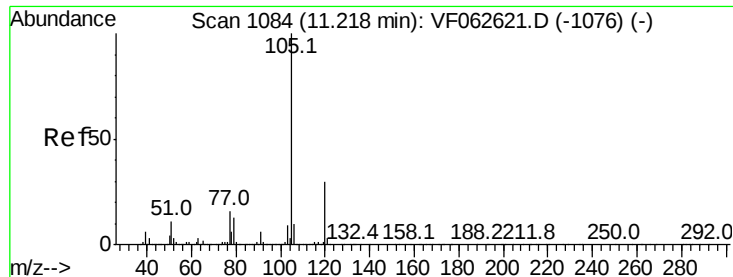
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	152	Resp:	503719
Ion Ratio	Lower	Upper	
152	100		
115	49.9	25.2	75.6
150	152.8	0.0	306.2





#73

Isopropylbenzene

Concen: 49.090 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion:105 Resp: 1772252

Ion Ratio Lower Upper

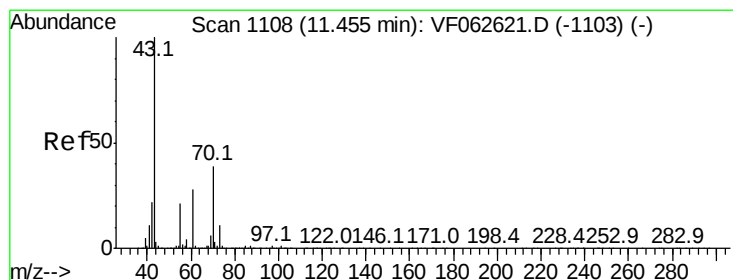
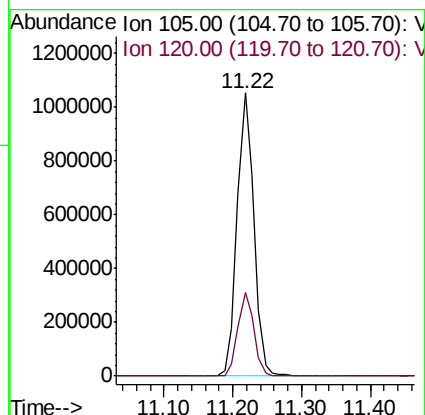
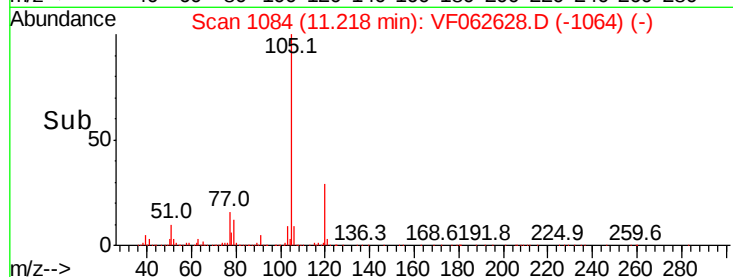
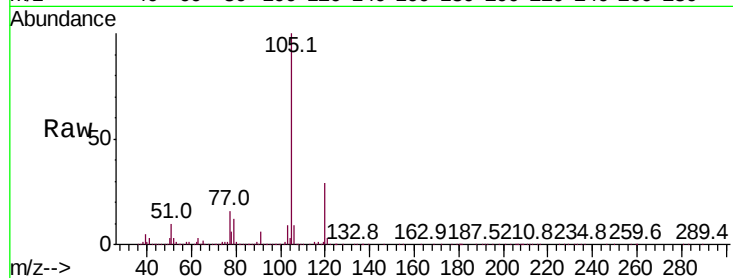
105 100

120 29.4 14.8 44.4

Manual Integrations
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#74

N-ethyl acetate

Concen: 46.039 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. 0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion: 43 Resp: 426833

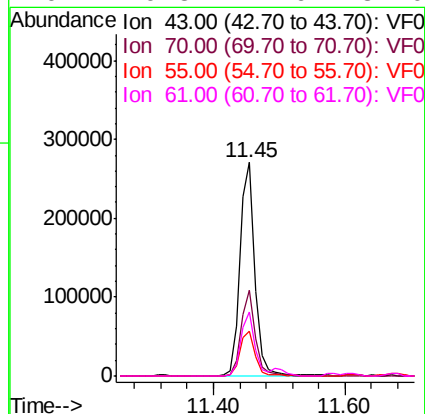
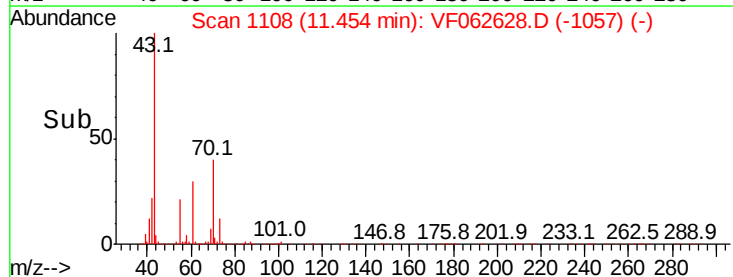
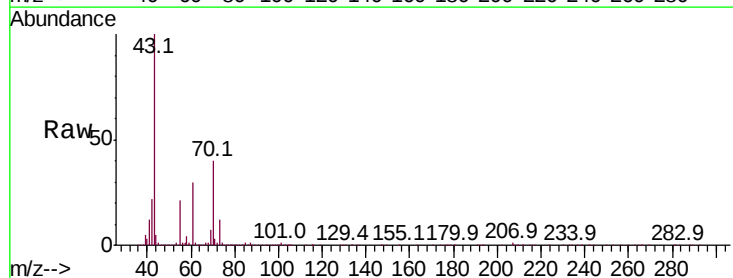
Ion Ratio Lower Upper

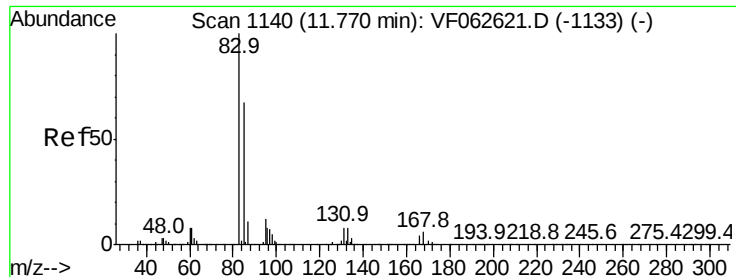
43 100

70 40.1 30.9 46.3

55 20.7 17.0 25.4

61 29.8 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 45.459 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

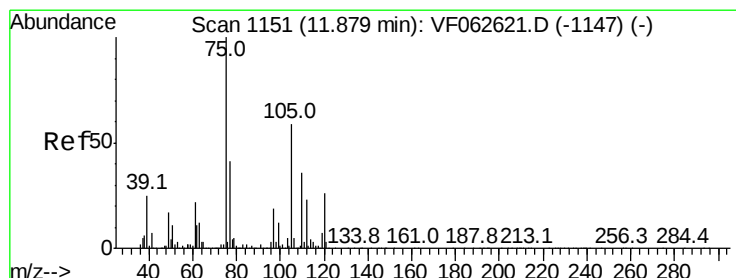
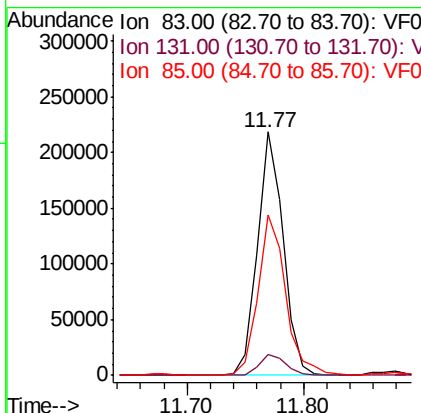
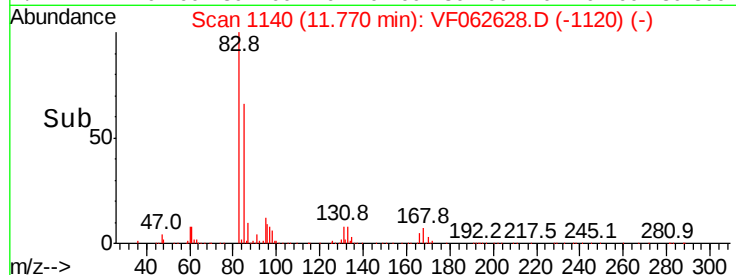
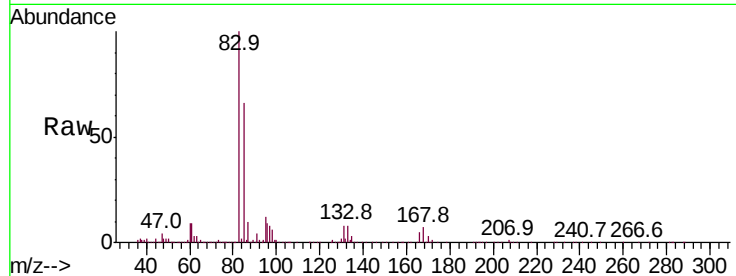
ClientSampleId :

ICVVF051619

Tot Ion:	83	Resp:	335395
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.0	12.0
85	65.8	33.5	100.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 46.385 ug/l

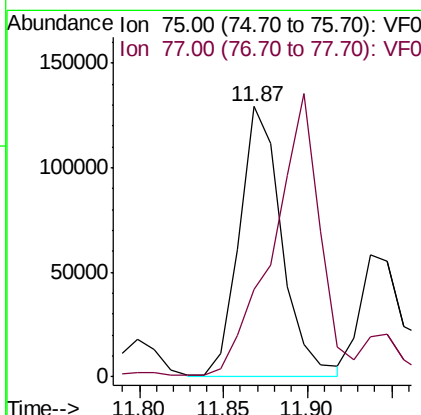
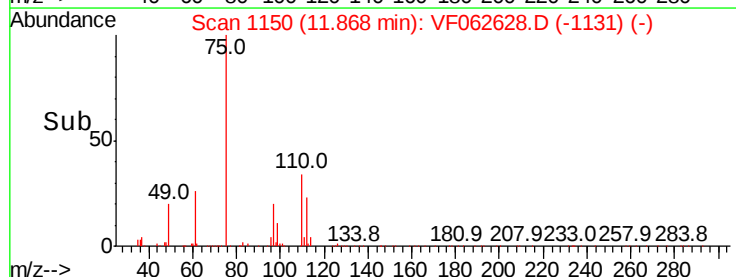
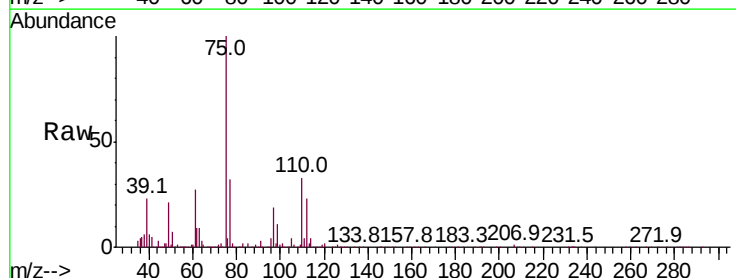
RT: 11.87 min Scan# 1150

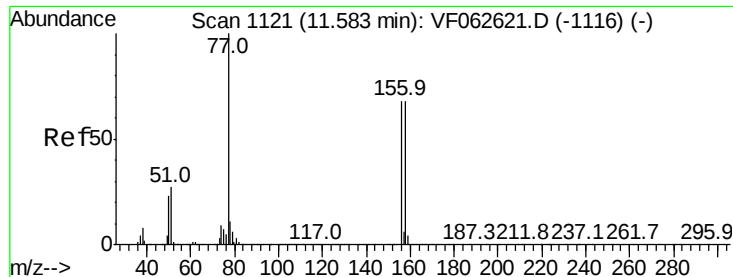
Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	75	Resp:	224866
Ion Ratio	Lower	Upper	
75	100		
77	32.2	20.6	61.8





#77

Bromobenzene

Concen: 47.089 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

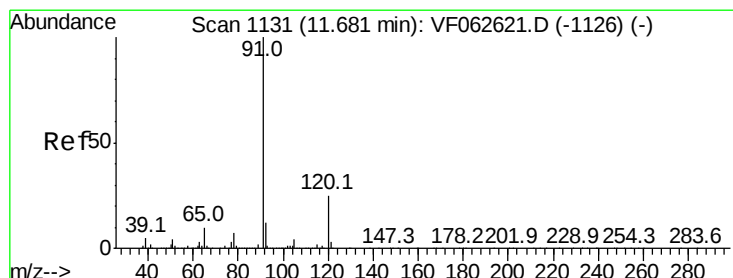
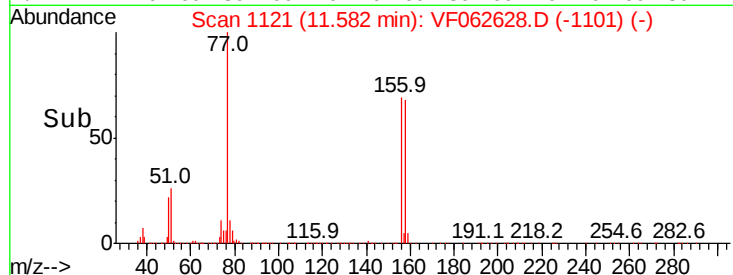
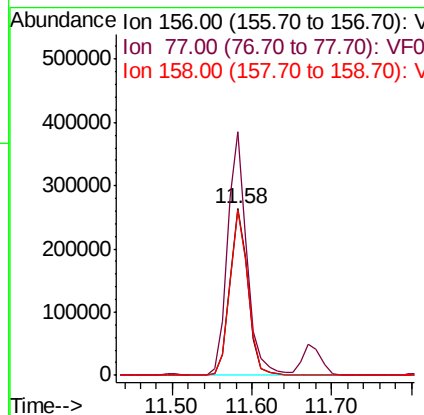
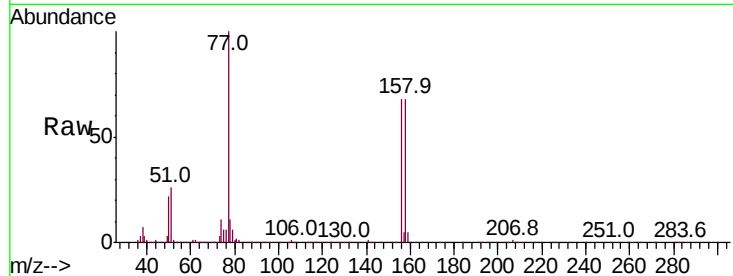
ClientSampleId :

ICVVF051619

Tot Ion	Ratio	Lower	Upper
156	100		
77	146.0	73.6	220.8
158	99.2	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 47.132 ug/l

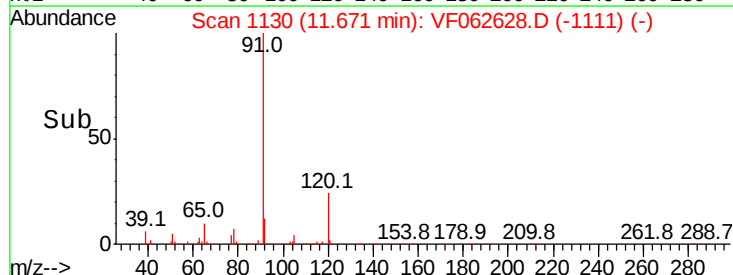
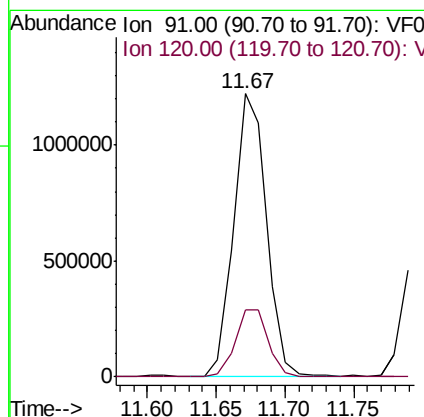
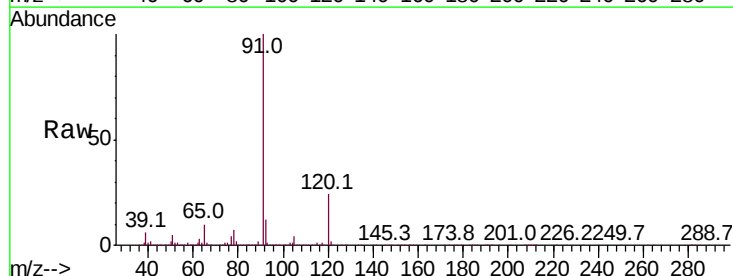
RT: 11.67 min Scan# 1130

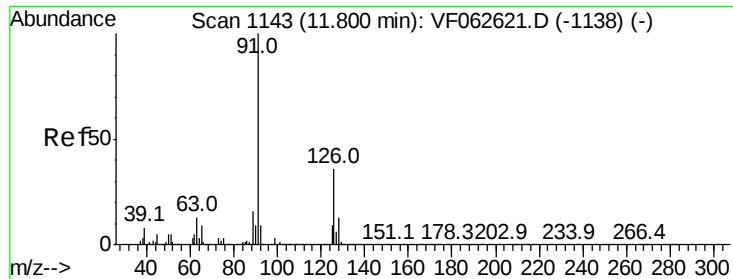
Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.7	38.1





#79

2-Chlorotoluene

Concen: 48.574 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion: 91 Resp: 1169600

Ion Ratio Lower Upper

91 100

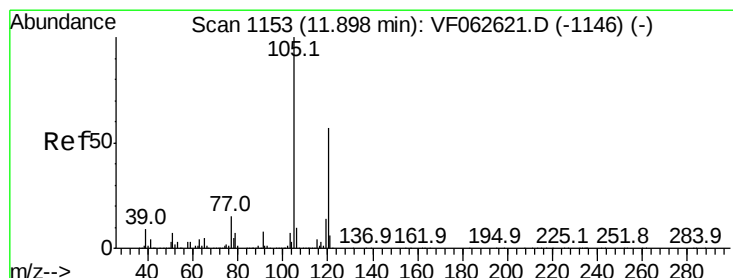
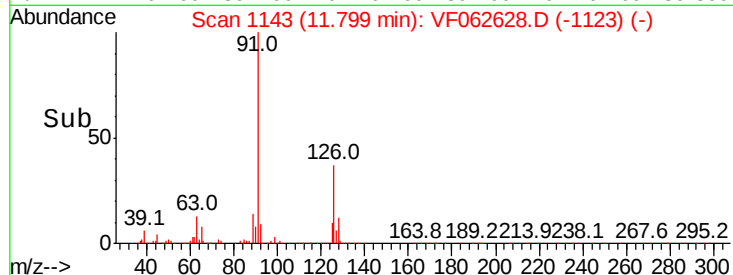
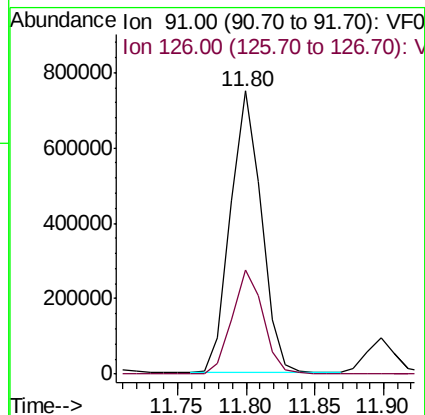
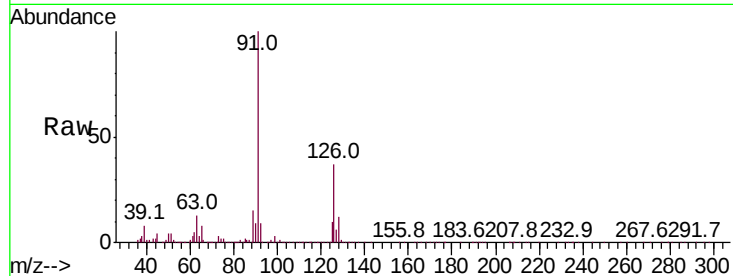
126 36.6 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 48.369 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062628.D

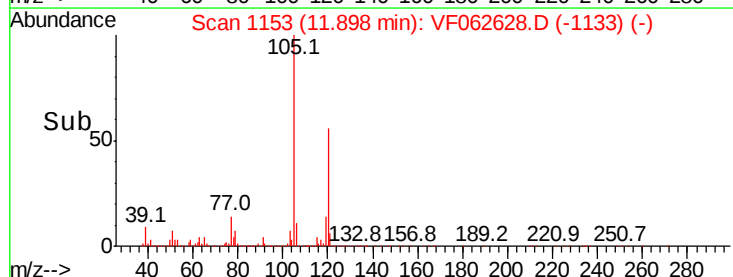
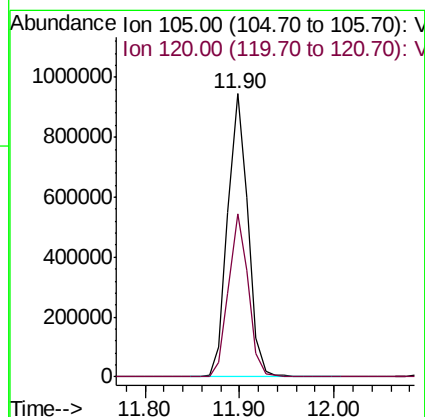
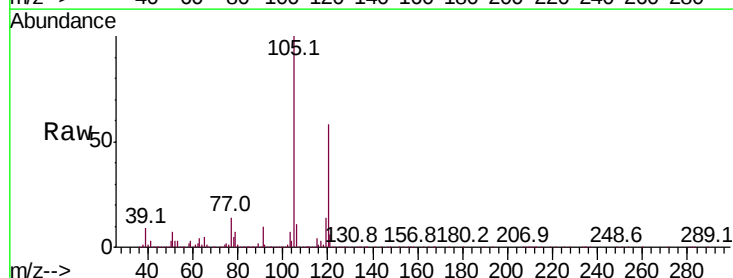
Acq: 16 May 2019 16:15

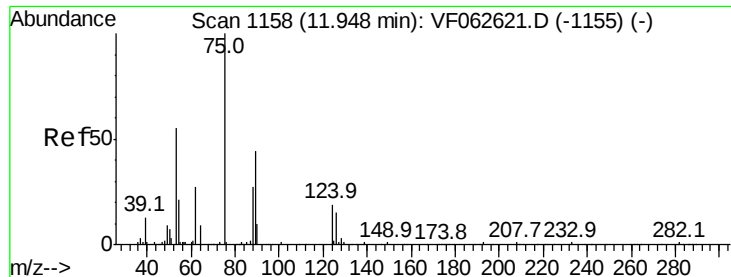
Tgt Ion:105 Resp: 1400206

Ion Ratio Lower Upper

105 100

120 57.8 28.7 86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 48.546 ug/l m

RT: 11.94 min Scan# 1157

Delta R.T. -0.01 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

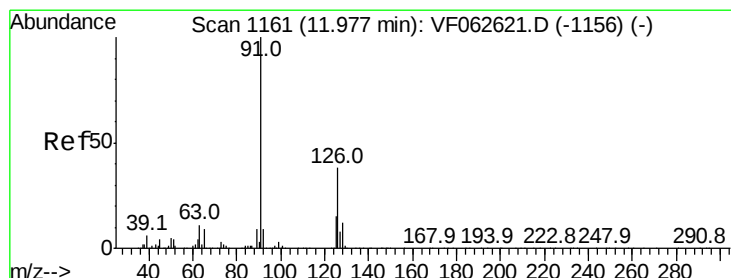
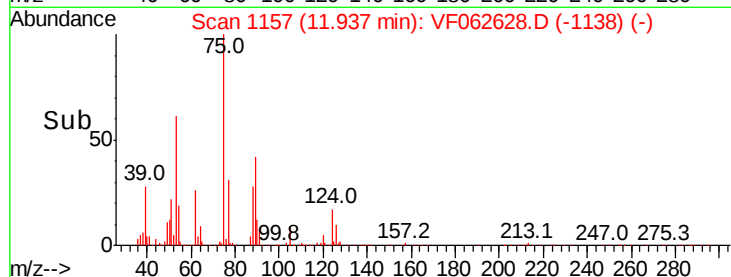
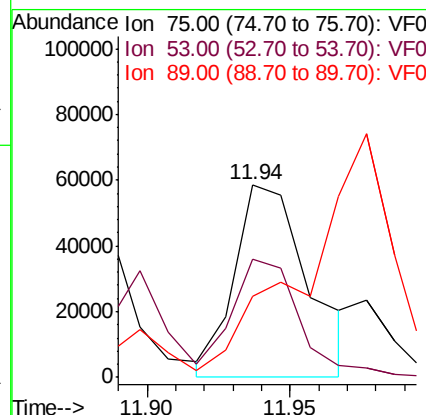
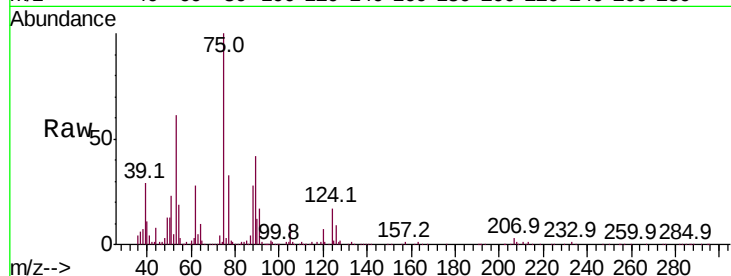
ClientSampled :

ICVVF051619

Tot Ion:	75	Resp:	104612
Ion Ratio	Lower	Upper	
75	100		
53	61.4	46.9	70.3
89	42.2	36.4	54.6

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#82

4-Chlorotoluene

Concen: 47.749 ug/l

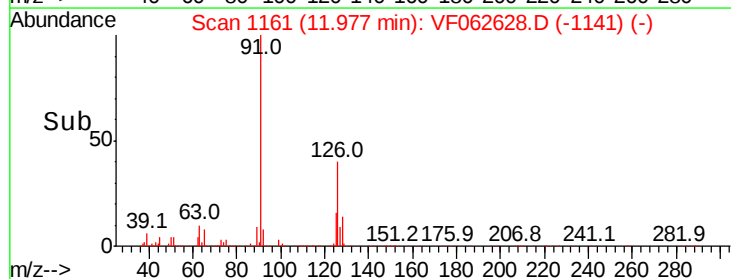
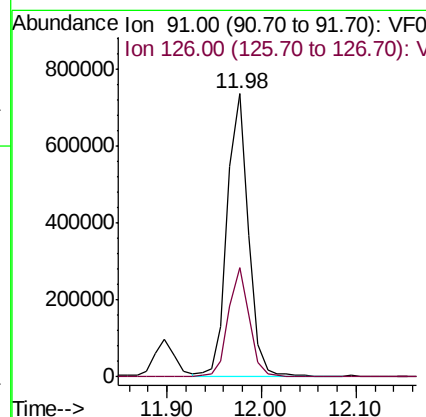
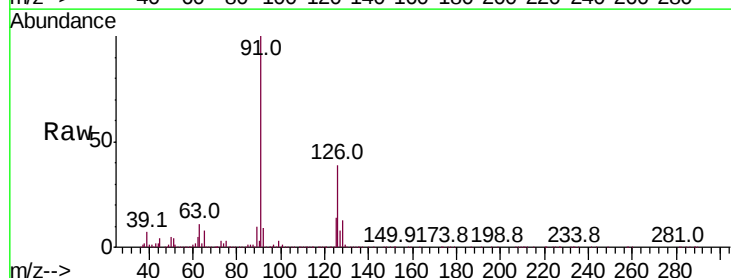
RT: 11.98 min Scan# 1161

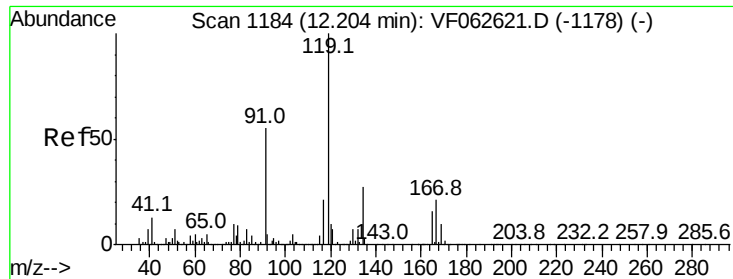
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	91	Resp:	1133795
Ion Ratio	Lower	Upper	
91	100		
126	38.7	19.1	57.1





#83

tert-Butylbenzene

Concen: 49.280 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

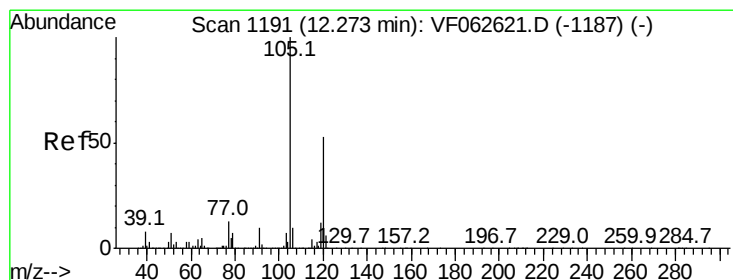
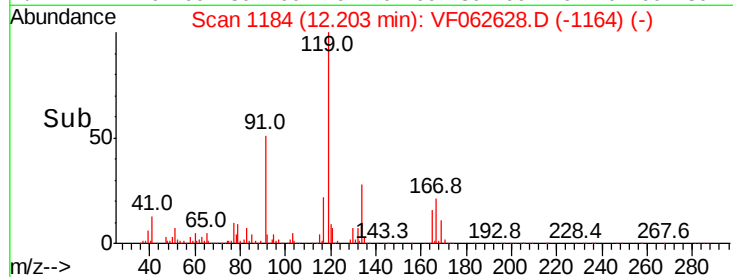
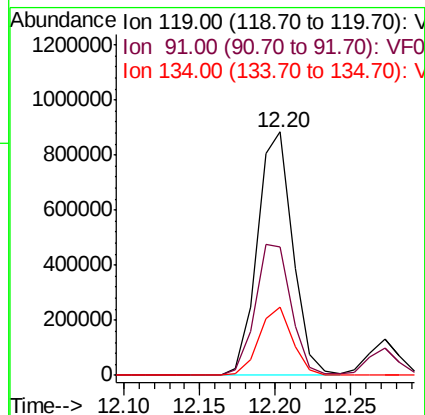
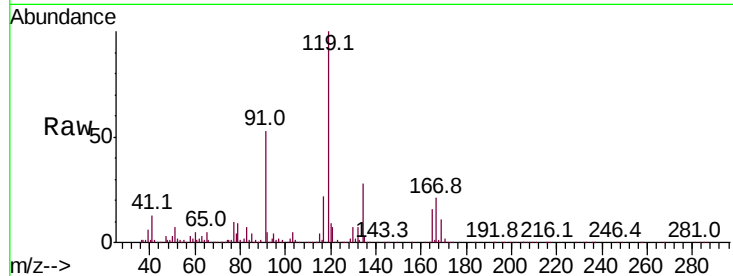
ClientSampleId :

ICVVF051619

Tot Ion	Ratio	Lower	Upper
119	100		
91	52.7	27.3	81.9
134	27.8	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 48.314 ug/l

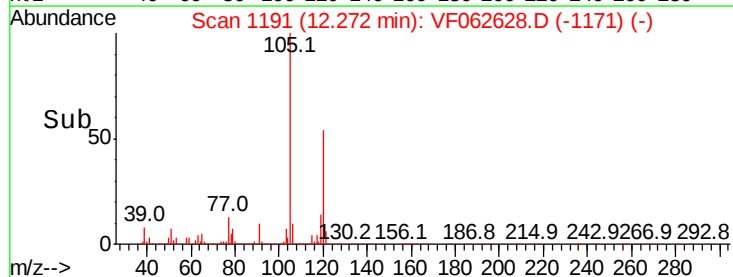
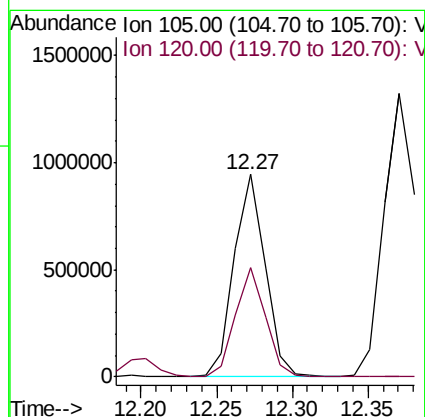
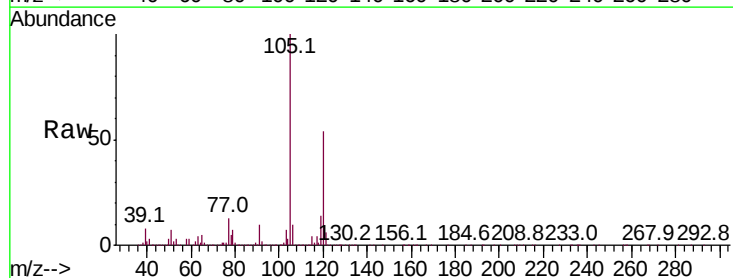
RT: 12.27 min Scan# 1191

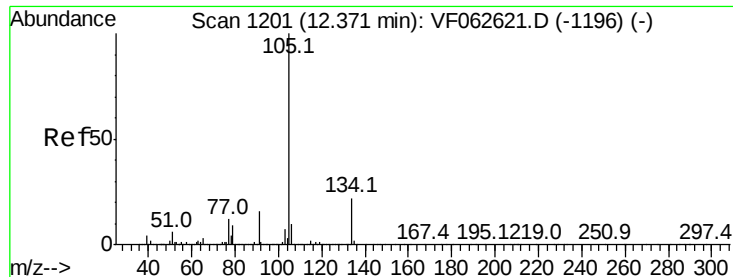
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.2	26.7	80.1





#85

sec-Butylbenzene

Concen: 50.579 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

ClientSampleId :

ICVVF051619

Tot Ion:105 Resp: 1993577

Ion Ratio Lower Upper

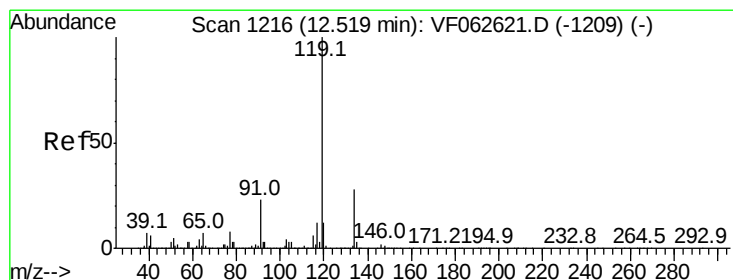
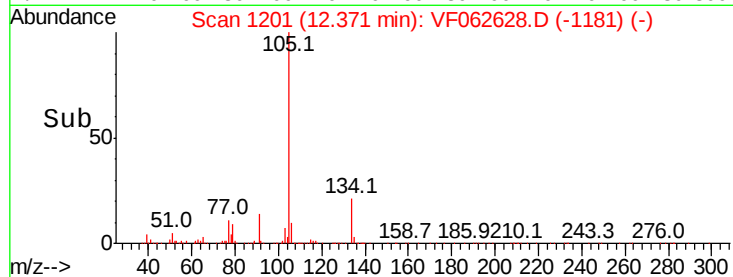
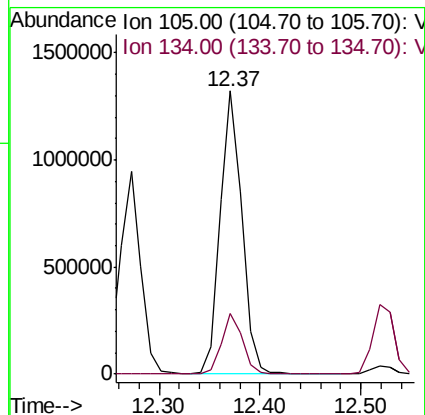
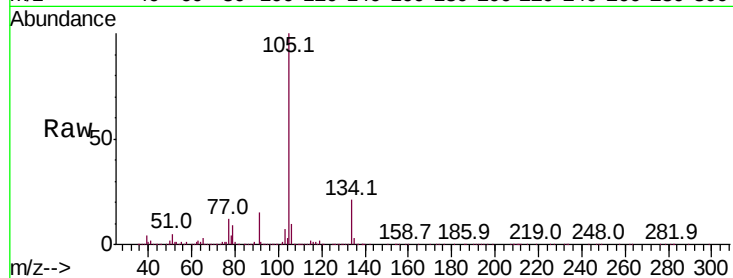
105 100

134 21.5 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 50.431 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

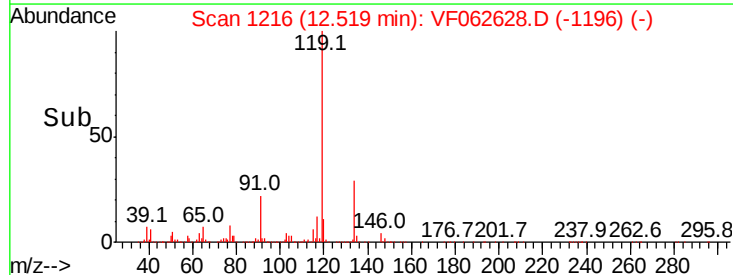
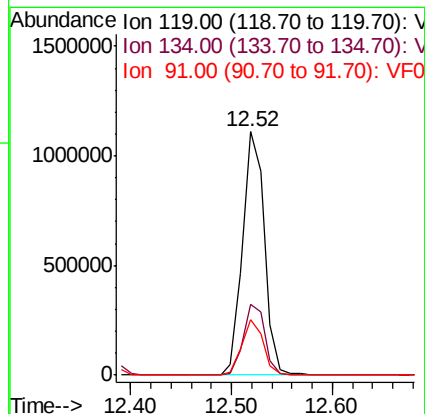
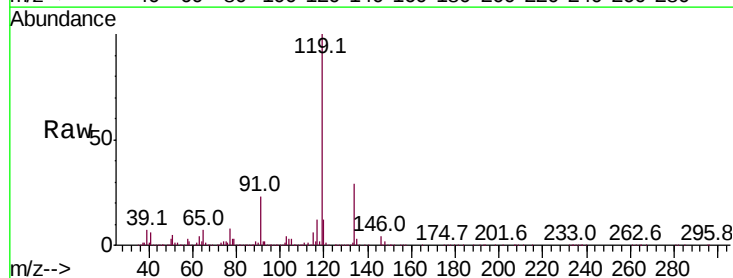
Tgt Ion:119 Resp: 1675145

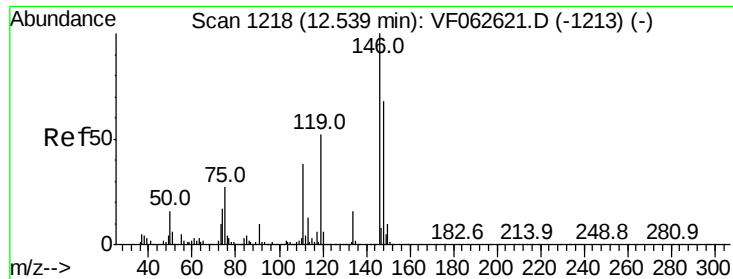
Ion Ratio Lower Upper

119 100

134 29.0 14.1 42.3

91 22.6 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.938 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

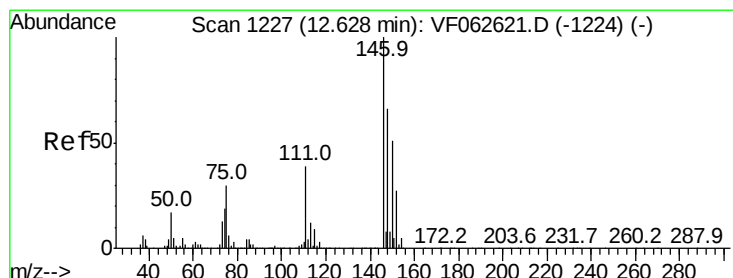
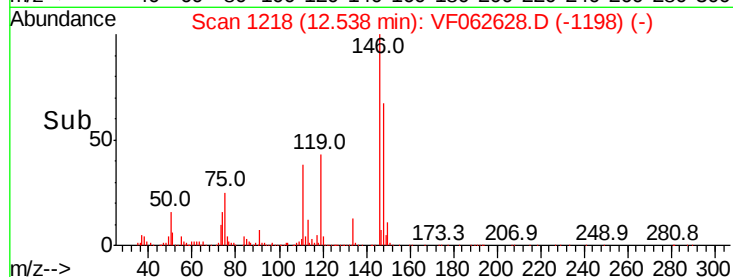
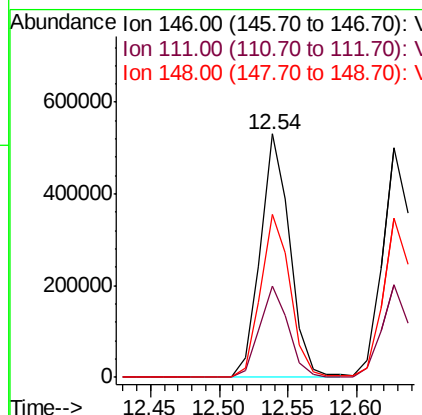
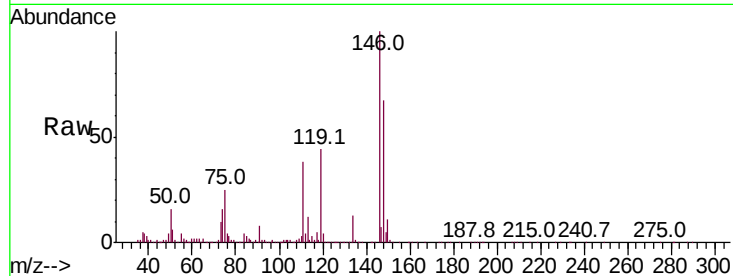
ClientSampleId :

ICVVF051619

Tot Ion:	146	Resp:	794544
Ion Ratio	Lower	Upper	
146	100		
111	37.7	18.9	56.9
148	67.1	34.0	101.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.974 ug/l

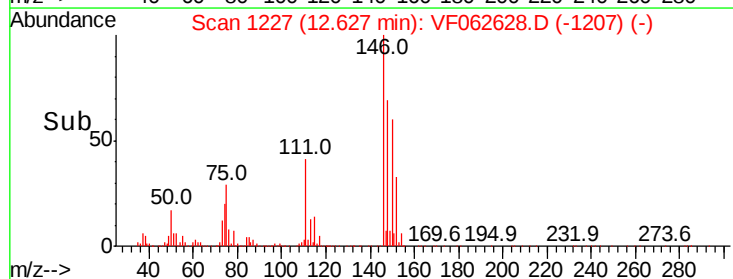
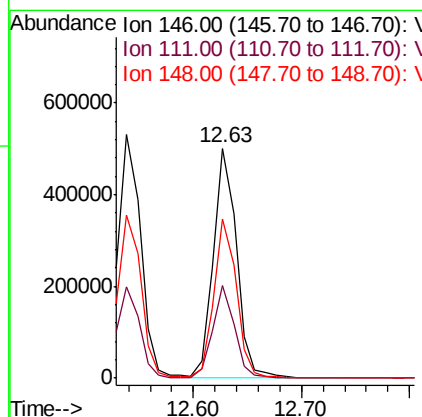
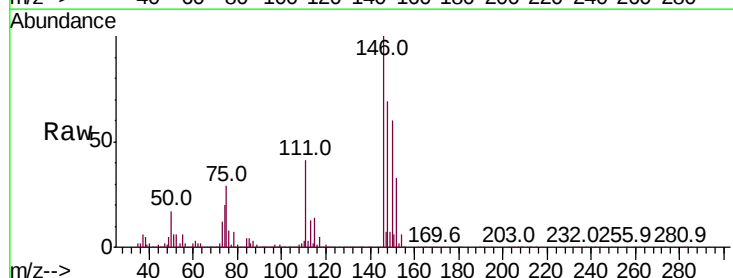
RT: 12.63 min Scan# 1227

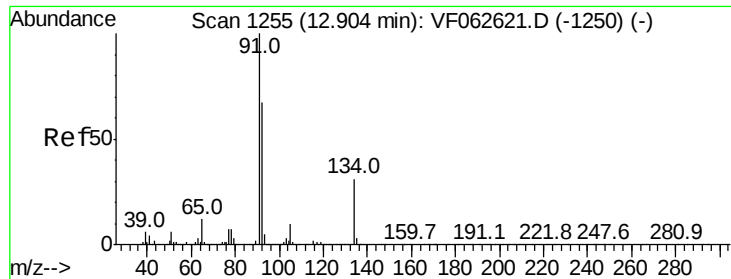
Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	146	Resp:	746172
Ion Ratio	Lower	Upper	
146	100		
111	40.6	19.4	58.2
148	69.1	33.2	99.6





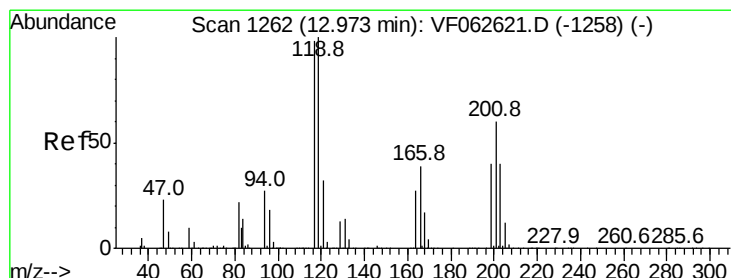
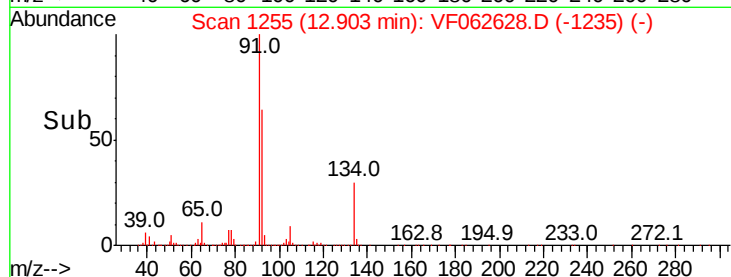
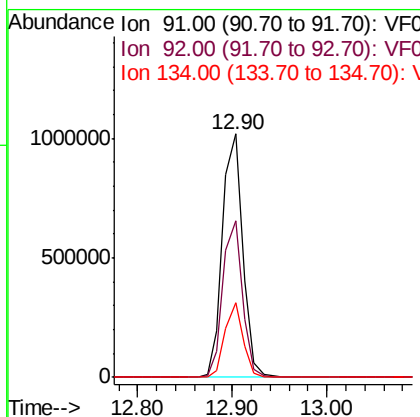
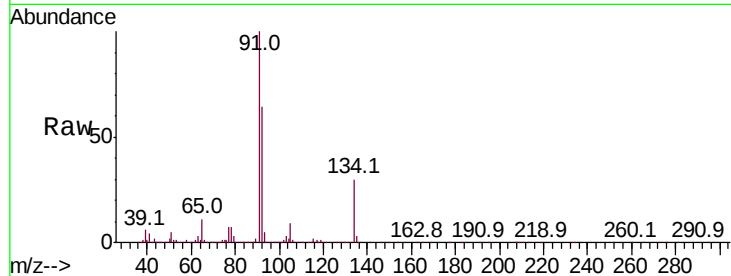
#89
n-Butylbenzene
Concen: 46.201 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Lower	Upper
91	100		
92	64.4	33.3	99.8
134	30.5	15.4	46.4

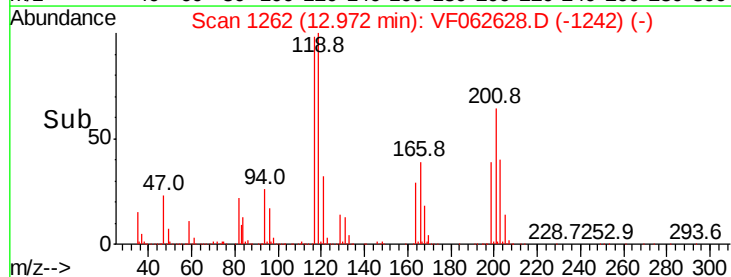
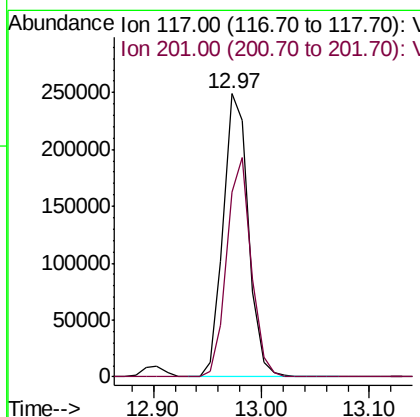
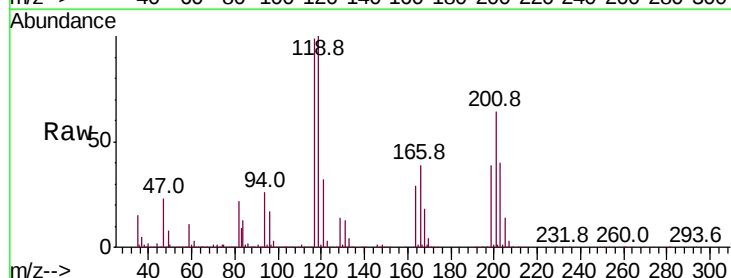
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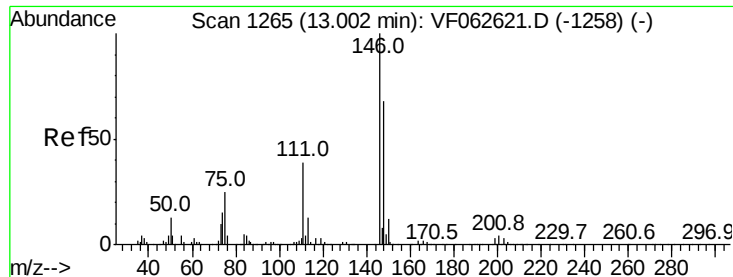
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#90
Hexachloroethane
Concen: 50.504 ug/l
RT: 12.97 min Scan# 1262
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	66.6	30.7	92.1





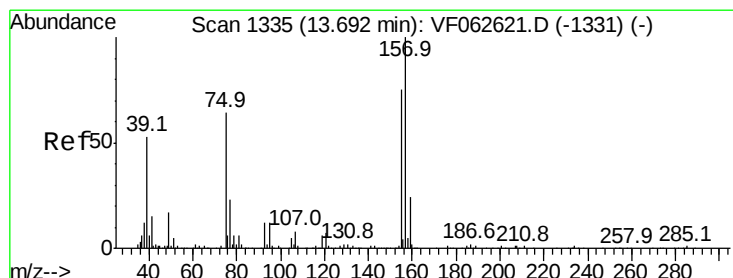
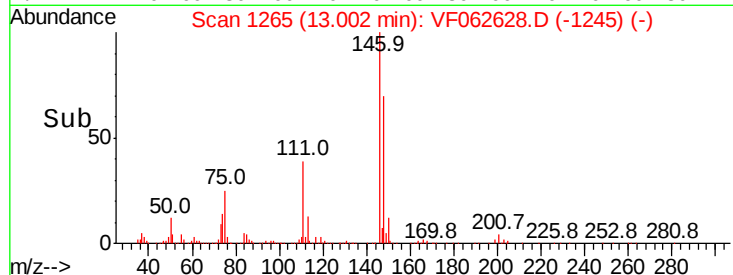
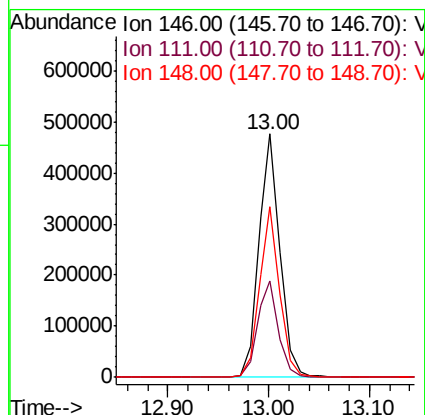
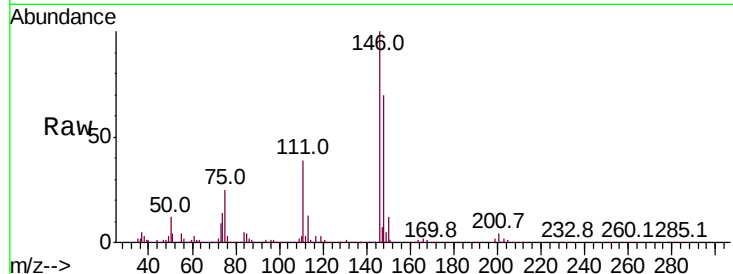
#91
 1,2-Dichlorobenzene
 Concen: 47.720 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Instrument :
 MSVOA_F
 ClientSampleId :
 ICVVF051619

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	69.9	34.1	102.2

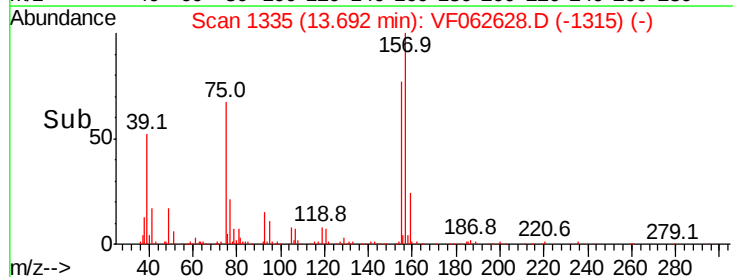
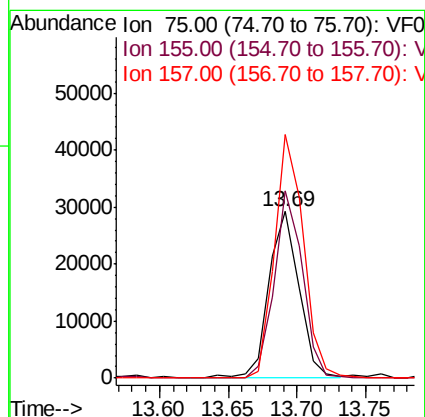
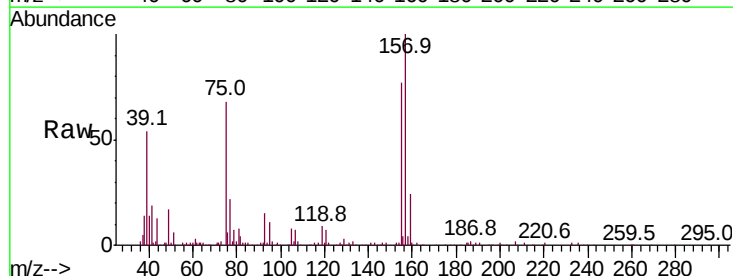
Manual Integrations
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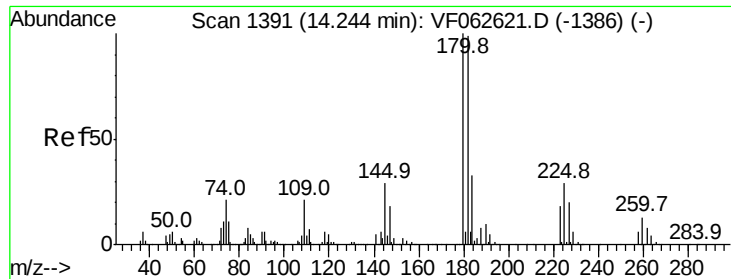
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.844 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062628.D
 Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	112.3	58.1	174.3
157	146.1	77.8	233.4





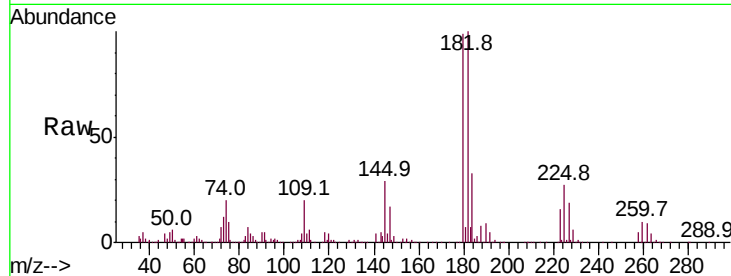
#93
1,2,4-Trichlorobenzene
Concen: 50.034 ug/l
RT: 14.24 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Instrument :
MSVOA_F
ClientSampleId :
ICVVF051619

Tot Ion	Ratio	Resp	Lower	Upper
180	100	518321		
182	100.6	49.7	149.1	
145	29.4	14.6	44.0	

Manual Integrations
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5/17/2019 4:20:35 PM

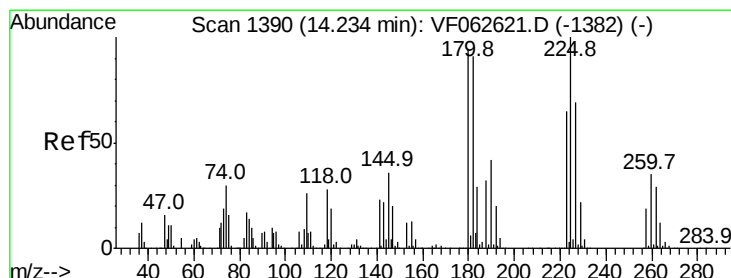
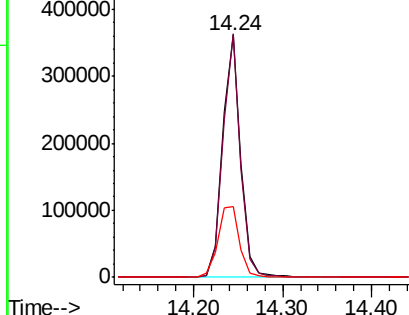
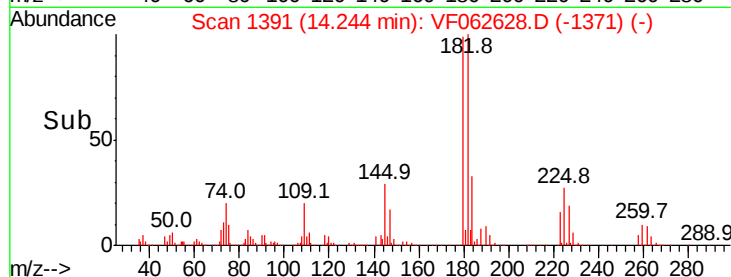


Abundance

Ion 180.00 (179.70 to 180.70): V

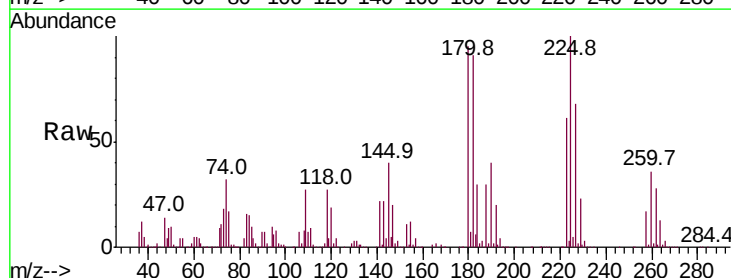
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
Hexachlorobutadiene
Concen: 51.258 ug/l
RT: 14.23 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VF062628.D
Acq: 16 May 2019 16:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	370565		
223	60.7	32.5	97.4	
227	67.6	34.5	103.5	

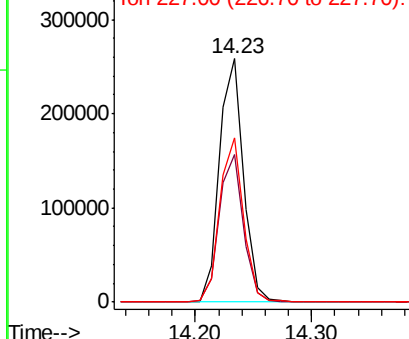
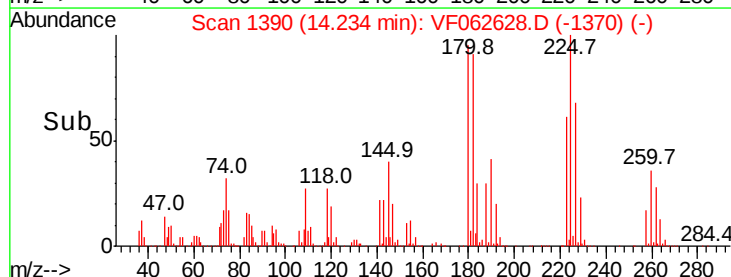


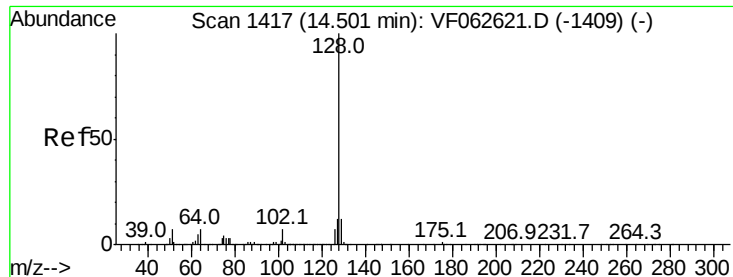
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 46.878 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Instrument :

MSVOA_F

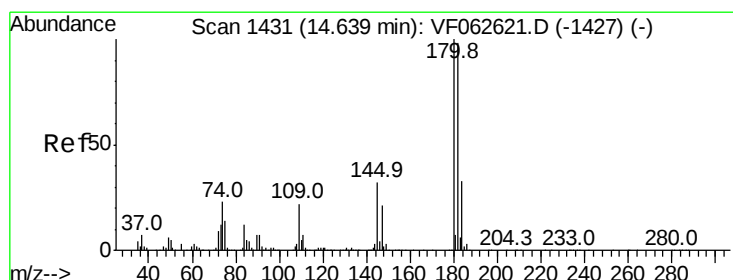
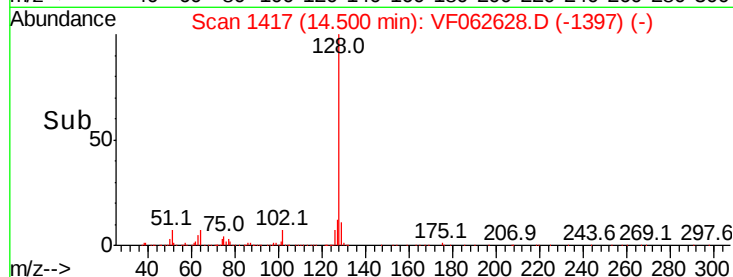
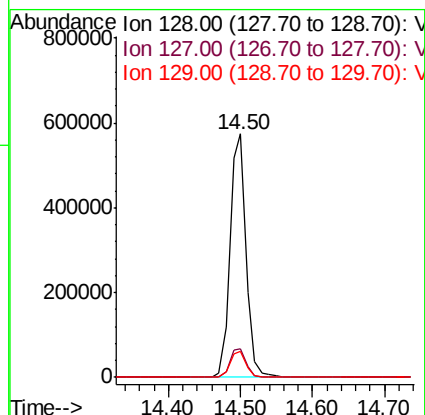
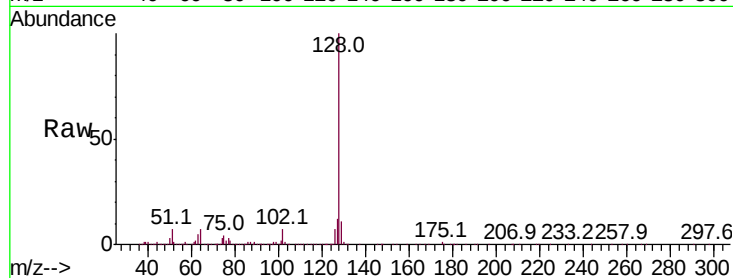
ClientSampleId :

ICVVF051619

Tot Ion:	128	Resp:	882234
Ion Ratio	Lower	Upper	
128	100		
127	11.6	9.7	14.5
129	10.8	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/17/2019 4:20:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 49.796 ug/l

RT: 14.64 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VF062628.D

Acq: 16 May 2019 16:15

Tgt Ion:	180	Resp:	488617
Ion Ratio	Lower	Upper	
180	100		
182	94.3	48.9	146.7
145	29.9	16.1	48.2

