

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052219\
 Data File : VF062697.D
 Acq On : 22 May 2019 10:23
 Operator : FY/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 5/23/2019 12:15:58 PM

Quant Time: May 23 01:44:11 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	5.04	168	797424	50.00	ug/l	-0.03
34) 1,4-Difluorobenzene	5.76	114	1428686	50.00	ug/l	-0.03
63) Chlorobenzene-d5	9.90	117	1002423	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.60	152	474738	50.00	ug/l	-0.02

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	273938	48.61	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	4.29	113	507221	46.40	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.80%	
50) Toluene-d8	7.70	98	1144428	43.84	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	87.68%	
62) 4-Bromofluorobenzene	11.48	95	409054	41.32	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	82.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	505307	46.565	ug/l	98
3) Chloromethane	1.14	50	456115	45.648	ug/l	100
4) Vinyl Chloride	1.19	62	440960	47.943	ug/l	99
5) Bromomethane	1.39	94	276895	55.030	ug/l	99
6) Chloroethane	1.44	64	181414	53.705	ug/l #	88
7) Trichlorofluoromethane	1.55	101	678299	54.924	ug/l	90
8) Diethyl Ether	1.71	74	131601	53.790	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	1.90	101	410190	52.162	ug/l	95
10) Methyl Iodide	1.98	142	838447	54.277	ug/l	97
11) Tert butyl alcohol	2.68	59	91774	246.687	ug/l	100
12) 1,1-Dichloroethene	1.86	96	385819	53.859	ug/l	98
13) Acrolein	2.09	56	79446	204.577	ug/l	91
14) Allyl chloride	2.19	41	397179m	61.261	ug/l	
15) Acrylonitrile	3.08	53	299583	285.474	ug/l	99
16) Acetone	2.34	43	410773	280.986	ug/l	99
17) Carbon Disulfide	1.91	76	1074057	50.586	ug/l	100
18) Methyl Acetate	2.45	43	101620	44.235	ug/l	97
19) Methyl tert-butyl Ether	2.53	73	676072	52.794	ug/l	99
20) Methylene Chloride	2.33	84	397554m	54.254	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	392686	56.084	ug/l	90
22) Diisopropyl ether	2.93	45	795577	49.753	ug/l	98
23) Vinyl Acetate	3.33	43	2699970	250.305	ug/l	99
24) 1,1-Dichloroethane	3.00	63	654242	55.772	ug/l	99
25) 2-Butanone	4.50	43	806108	258.092	ug/l	94
26) 2,2-Dichloropropane	3.76	77	405719	60.449	ug/l	86
27) cis-1,2-Dichloroethene	3.64	96	651398	56.559	ug/l	93
28) Bromochloromethane	3.88	49	305471	46.431	ug/l	95
29) Tetrahydrofuran	4.25	42	309193	244.633	ug/l	98
30) Chloroform	4.04	83	910056	55.877	ug/l	97
31) Cyclohexane	3.86	56	814637	51.721	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	604140	55.854	ug/l	96
36) 1,1-Dichloropropene	4.46	75	724822	49.511	ug/l	98
37) Ethyl Acetate	4.29	43	249484	41.738	ug/l	97
38) Carbon Tetrachloride	4.17	117	526598m	47.829	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	870569	49.422	ug/l	97
40) Benzene	4.81	78	2052313	51.459	ug/l	97
41) Methacrylonitrile	4.92	41	141846	45.264	ug/l	93
42) 1,2-Dichloroethane	5.12	62	398290	50.079	ug/l	95
43) Isopropyl Acetate	7.10	43	291603	37.656	ug/l	93
44) Trichloroethene	5.67	130	568975	50.760	ug/l	93
45) 1,2-Dichloropropane	6.40	63	488981	48.569	ug/l	99
46) Dibromomethane	6.25	93	299912	51.545	ug/l	96
47) Bromodichloromethane	6.54	83	610973	50.581	ug/l	100
48) Methyl methacrylate	6.86	41	165493	40.887	ug/l	96
49) 1,4-Dioxane	6.85	88	47801	922.059	ug/l #	90
51) 4-Methyl-2-Pentanone	8.39	43	1065285	201.253	ug/l	99
52) Toluene	7.77	92	1001773	47.895	ug/l	100
53) t-1,3-Dichloropropene	8.41	75	470661	47.628	ug/l	97
54) cis-1,3-Dichloropropene	7.44	75	692074	50.030	ug/l	98
55) 1,1,2-Trichloroethane	8.61	97	293521	47.396	ug/l	95
56) Ethyl methacrylate	8.74	69	298914	40.513	ug/l	92
57) 1,3-Dichloropropane	8.98	76	498673	47.274	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.43	63	493832	205.627	ug/l	95
59) 2-Hexanone	9.61	43	776257	223.514	ug/l	94
60) Dibromochloromethane	8.84	129	414249	51.323	ug/l	97
61) 1,2-Dibromoethane	9.12	107	307571	46.758	ug/l	99
64) Tetrachloroethene	8.29	164	428316	53.934	ug/l	98
65) Chlorobenzene	9.92	112	1013819	51.493	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.04	131	433392	54.833	ug/l	97
67) Ethyl Benzene	10.01	91	1754863	51.307	ug/l	100
68) m/p-Xylenes	10.24	106	1318341	102.554	ug/l	96
69) o-Xylene	10.80	106	688402	51.991	ug/l	95
70) Styrene	10.88	104	986868	49.036	ug/l	98
71) Bromoform	10.86	173	215388	54.411	ug/l #	93
73) Isopropylbenzene	11.20	105	1822558	53.565	ug/l	99
74) N-amyl acetate	11.43	43	419176	48.227	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.76	83	360716	51.875	ug/l	99
76) 1,2,3-Trichloropropane	11.86	75	223772	48.977	ug/l	94
77) Bromobenzene	11.57	156	446030	52.737	ug/l	92
78) n-propylbenzene	11.66	91	2062314	51.215	ug/l	100
79) 2-Chlorotoluene	11.79	91	1213028	53.453	ug/l	95
80) 1,3,5-Trimethylbenzene	11.89	105	1468965	53.842	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.93	75	103235m	50.832	ug/l	
82) 4-Chlorotoluene	11.96	91	1160614	51.862	ug/l	98
83) tert-Butylbenzene	12.18	119	1485451	53.665	ug/l	97
84) 1,2,4-Trimethylbenzene	12.26	105	1400583	53.040	ug/l	98
85) sec-Butylbenzene	12.36	105	1967310	52.960	ug/l	98
86) p-Isopropyltoluene	12.51	119	1667042	53.250	ug/l	96
87) 1,3-Dichlorobenzene	12.53	146	794389	51.916	ug/l	98
88) 1,4-Dichlorobenzene	12.62	146	734760	51.169	ug/l	96
89) n-Butylbenzene	12.88	91	1625836	52.674	ug/l	97
90) Hexachloroethane	12.96	117	444035	59.127	ug/l	81
91) 1,2-Dichlorobenzene	12.98	146	742297	54.422	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.68	75	45452	54.793	ug/l	88

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Quant Title : SW846 8260
QLast Update : Fri May 17 05:49:09 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	519196	53.178	ug/l	94
94) Hexachlorobutadiene	14.21	225	374161	54.915	ug/l	92
95) Naphthalene	14.48	128	846681	47.735	ug/l	99
96) 1,2,3-Trichlorobenzene	14.63	180	494106	53.429	ug/l	99

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

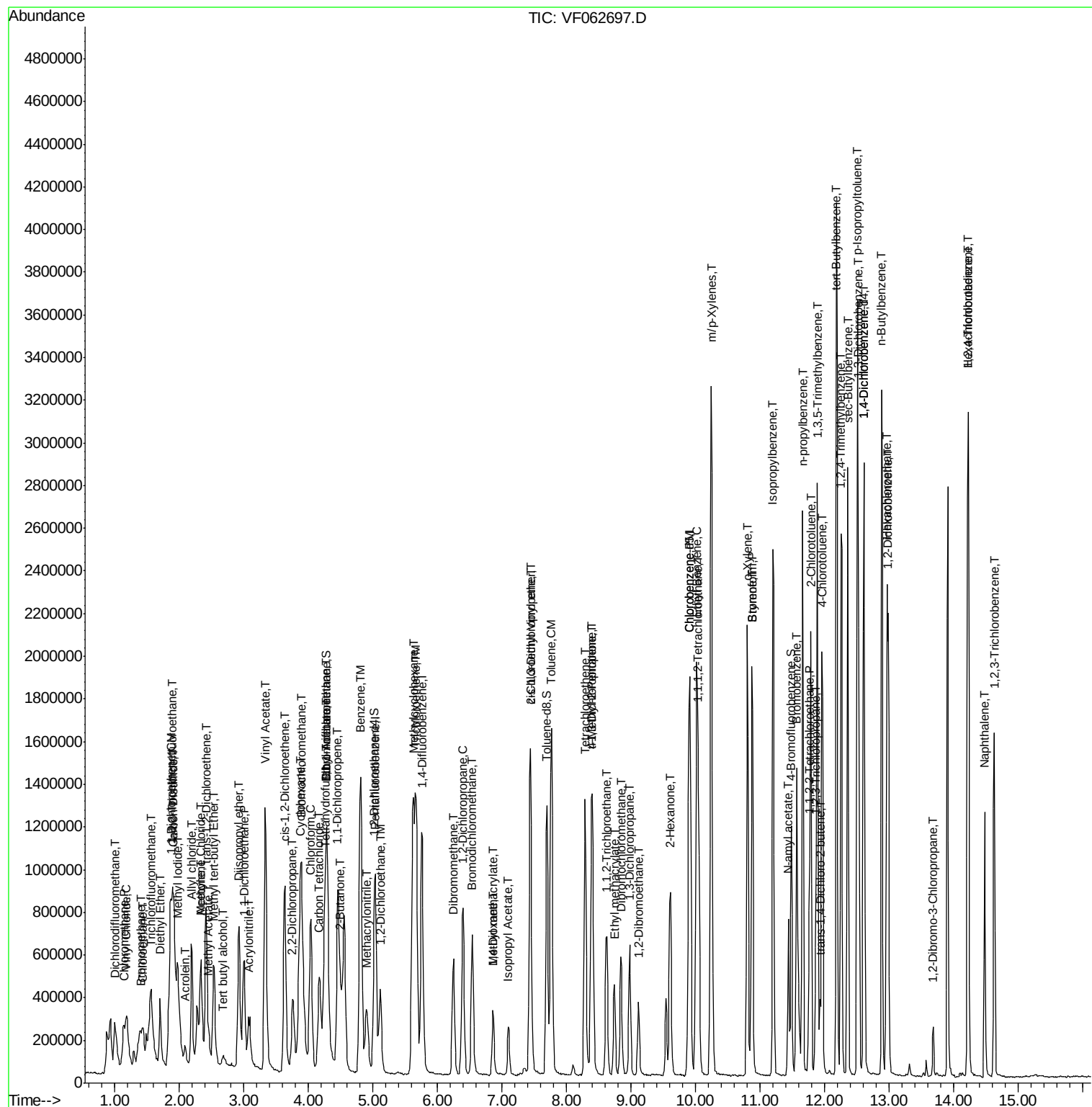
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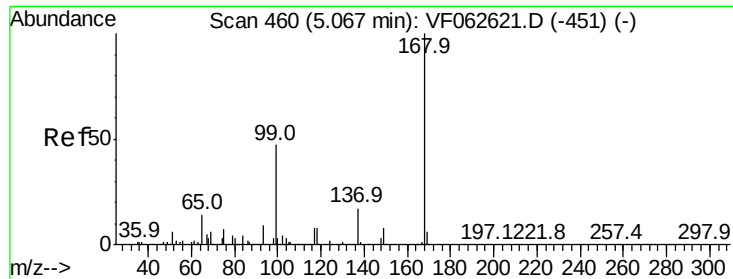
Instrument :
 MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 797424

Ion Ratio Lower Upper

168 100

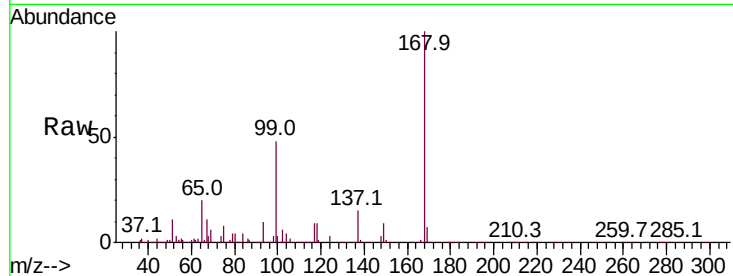
99 47.7 37.8 56.8

Manual Integrations

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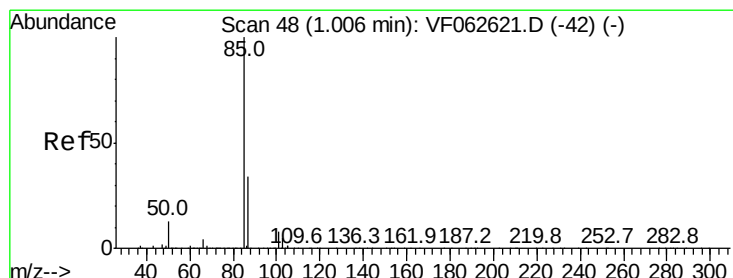
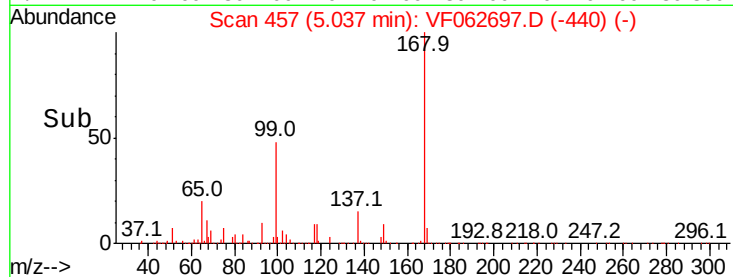
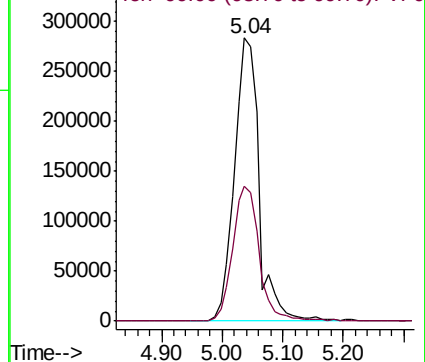
MMDadoda

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 46.565 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062697.D

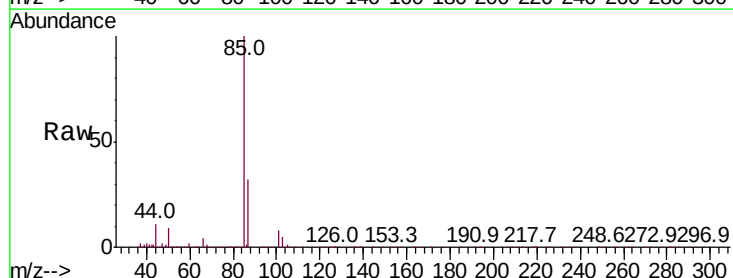
Acq: 22 May 2019 10:23

Tgt Ion: 85 Resp: 505307

Ion Ratio Lower Upper

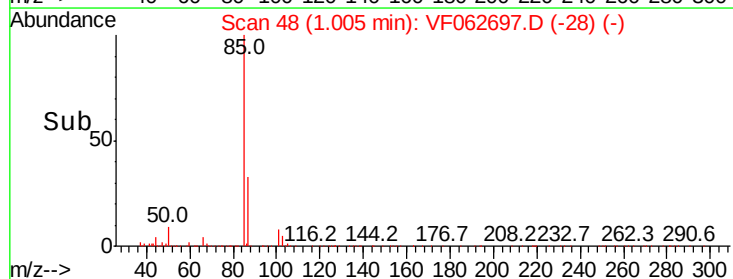
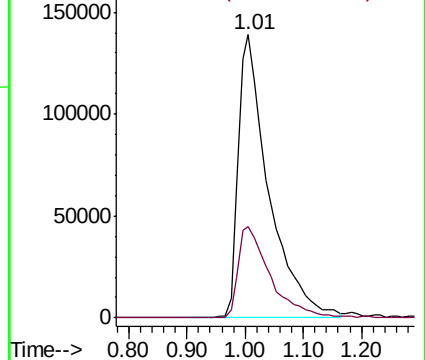
85 100

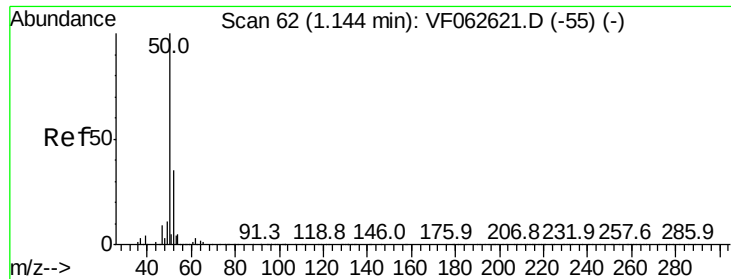
87 32.5 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 45.648 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 456115

Ion Ratio Lower Upper

50 100

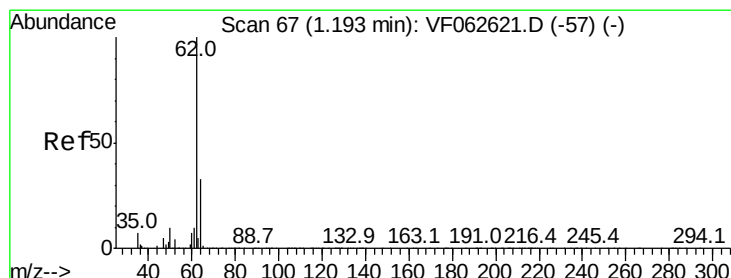
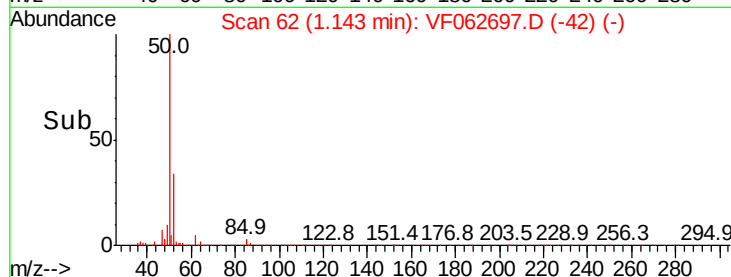
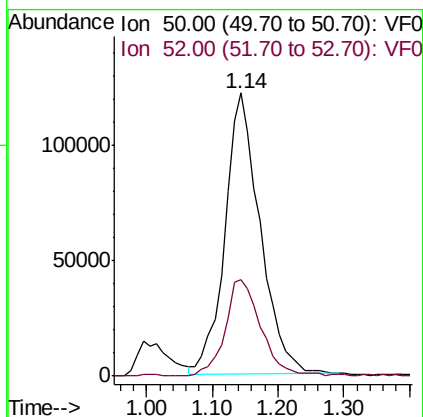
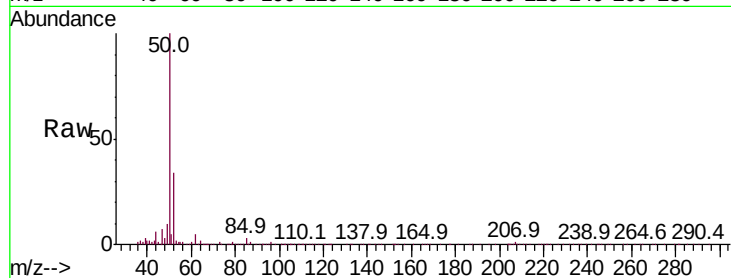
52 34.3 27.5 41.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.943 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062697.D

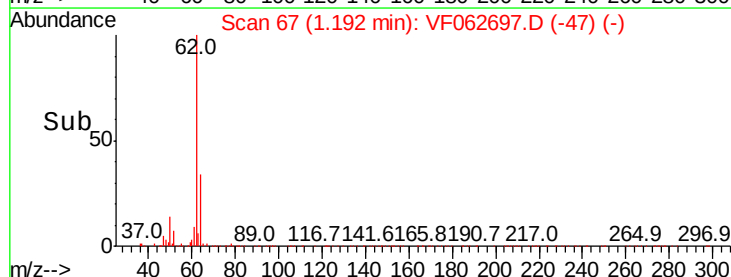
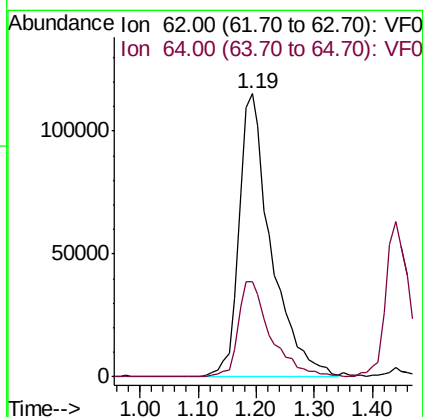
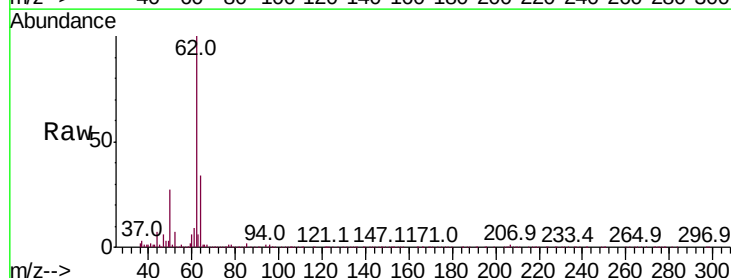
Acq: 22 May 2019 10:23

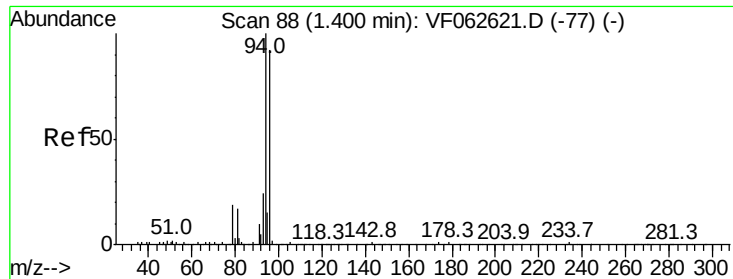
Tgt Ion: 62 Resp: 440960

Ion Ratio Lower Upper

62 100

64 33.7 26.7 40.1





#5

Bromomethane

Concen: 55.030 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 276895

Ion Ratio Lower Upper

94 100

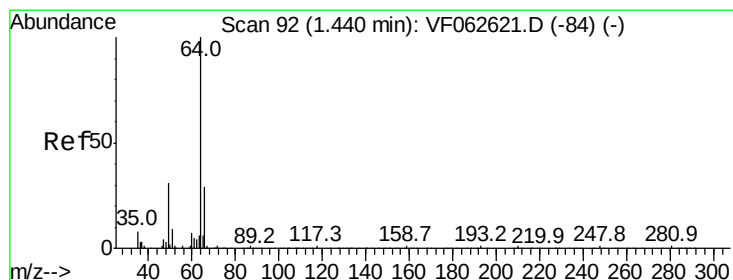
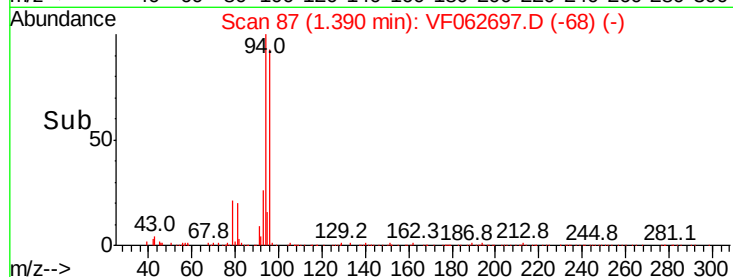
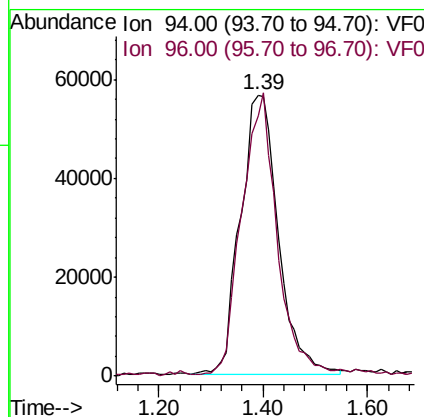
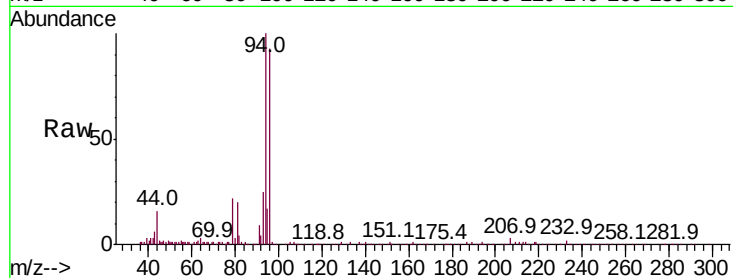
96 92.7 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 53.705 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF062697.D

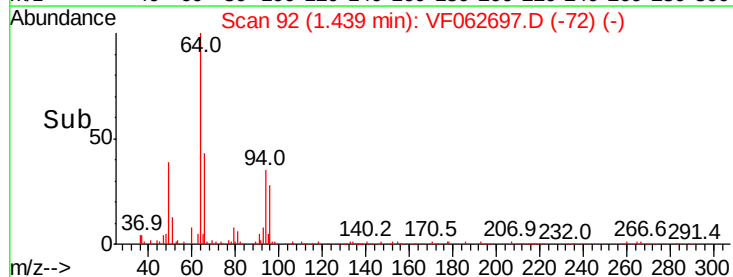
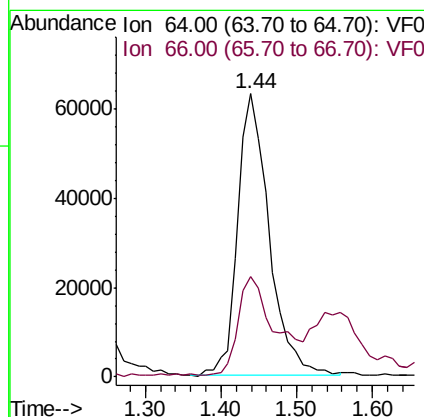
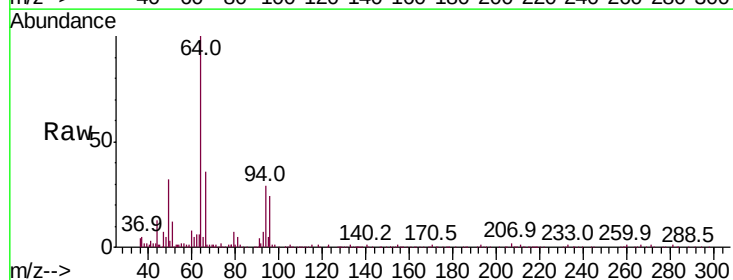
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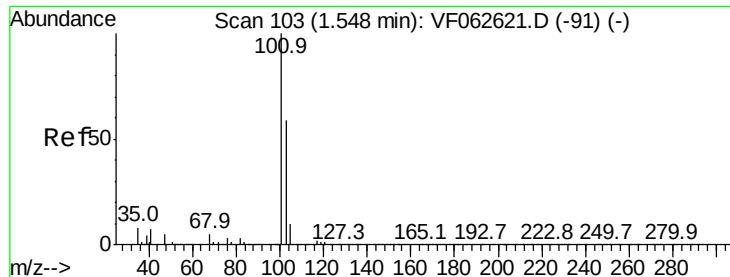
Tgt Ion: 64 Resp: 181414

Ion Ratio Lower Upper

64 100

66 35.5 23.4 35.2#





#7

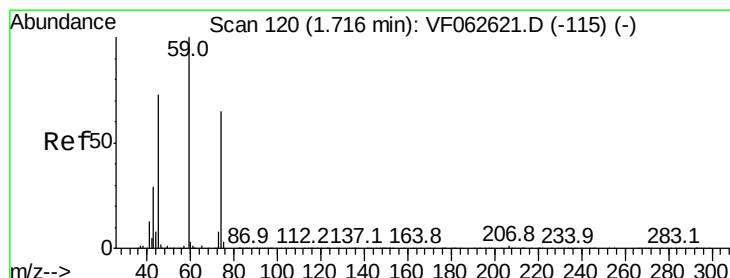
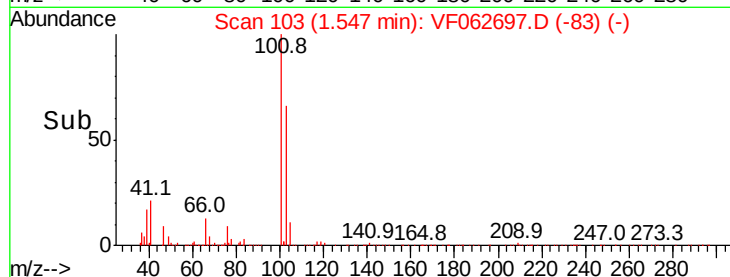
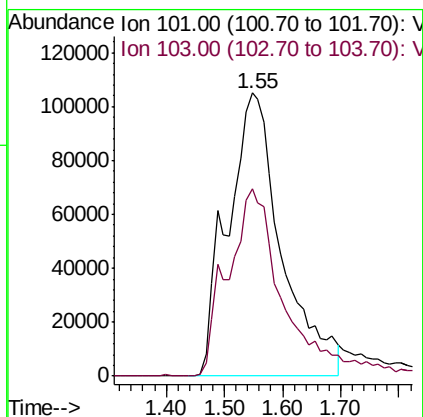
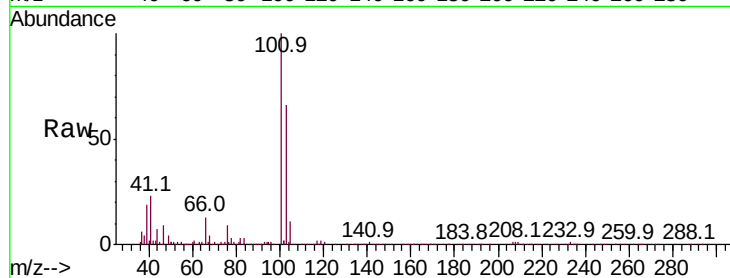
Trichlorofluoromethane
Concen: 54.924 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	47.3	70.9

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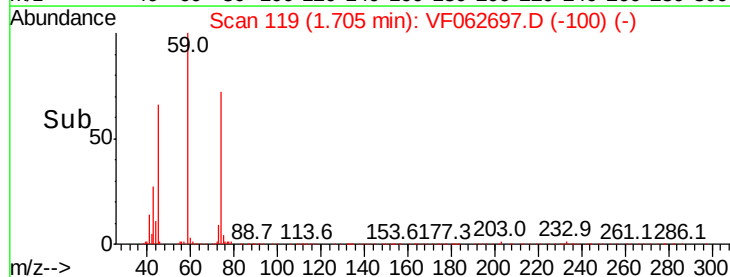
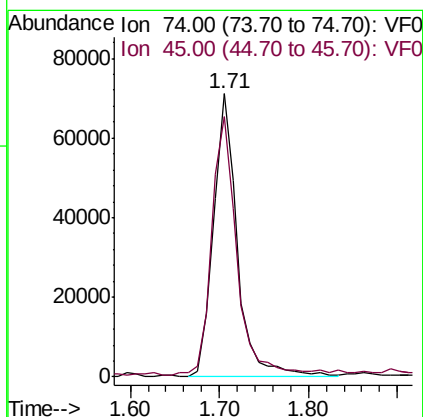
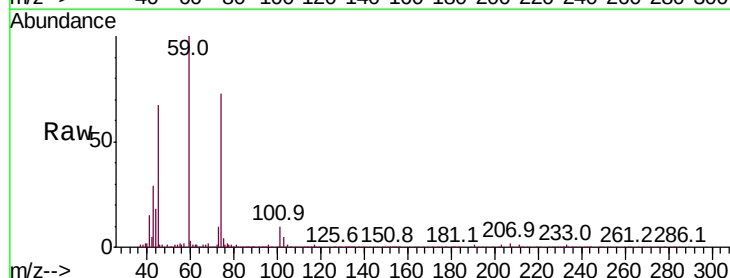
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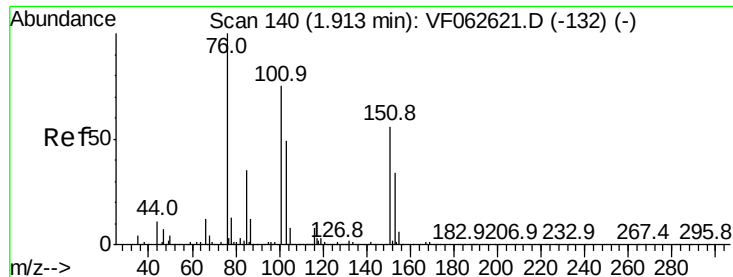


#8

Diethyl Ether
Concen: 53.790 ug/l
RT: 1.71 min Scan# 119
Delta R.T. -0.01 min
Lab File: VF062697.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.0	57.0	170.8





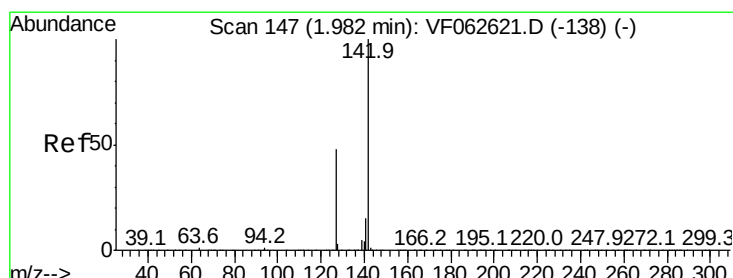
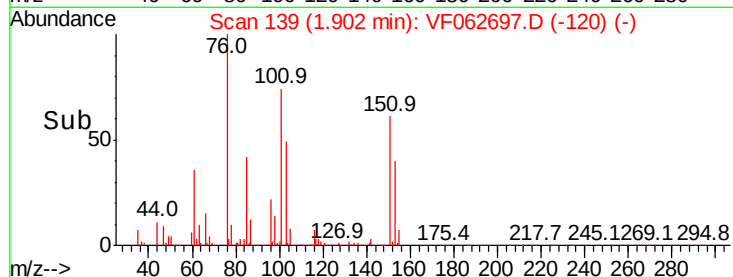
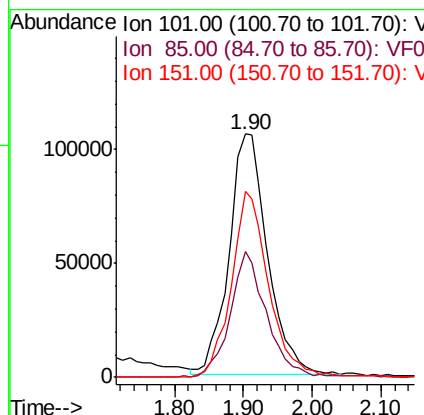
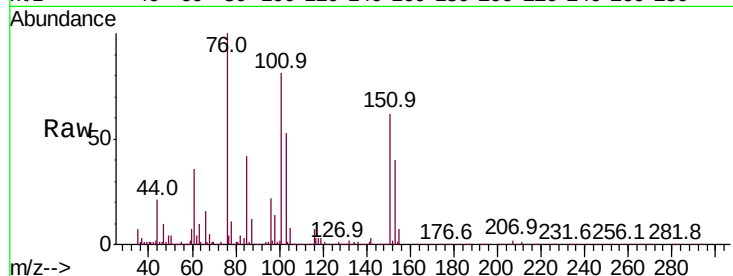
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.162 ug/l
RT: 1.90 min Scan# 139
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	410190		
85	52.0		37.1	55.7
151	76.4		58.8	88.2

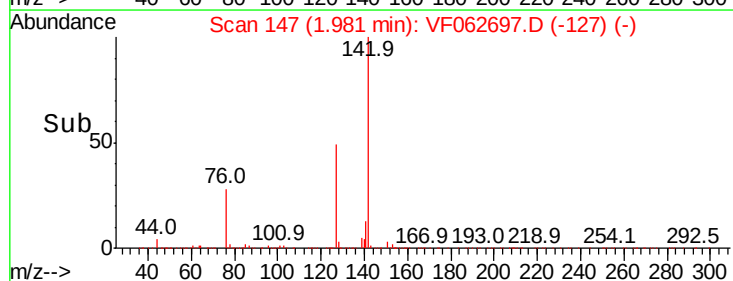
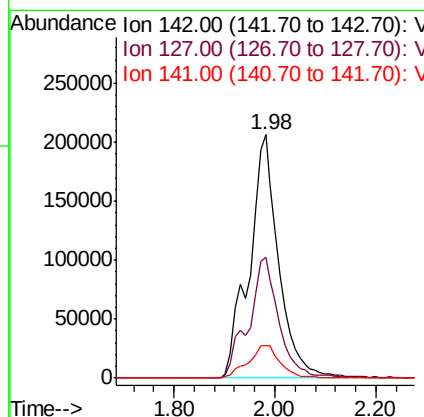
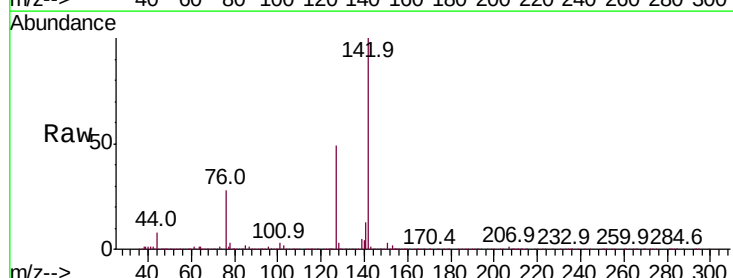
Manual Integrations
APPROVED

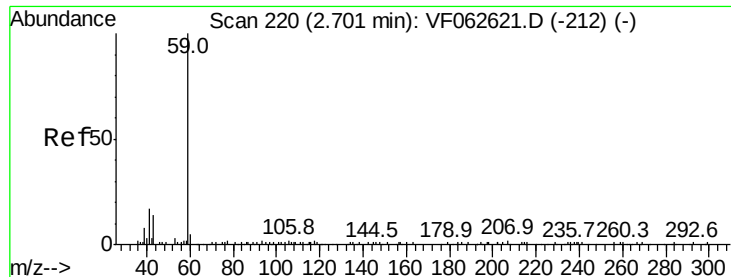
MMDadoda
5/23/2019 12:15:58 PM



#10
Methyl Iodide
Concen: 54.277 ug/l
RT: 1.98 min Scan# 147
Delta R.T. -0.00 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	838447		
127	49.4		38.1	57.1
141	13.3		11.7	17.5





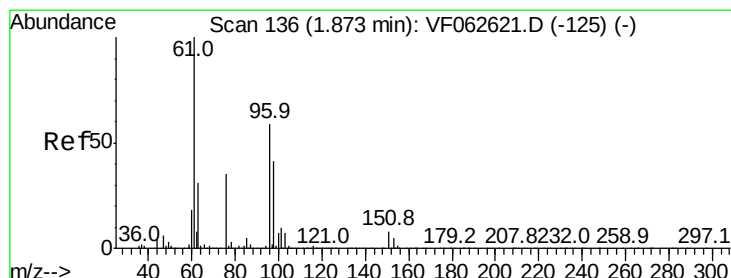
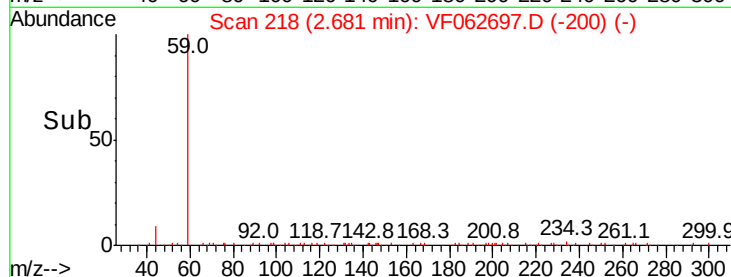
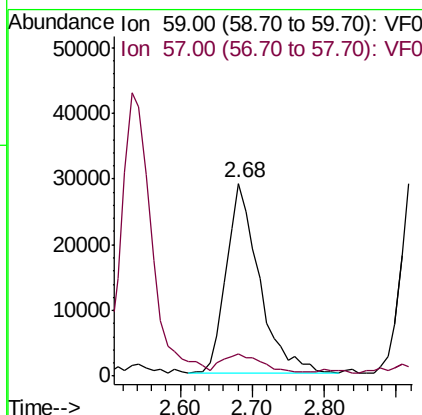
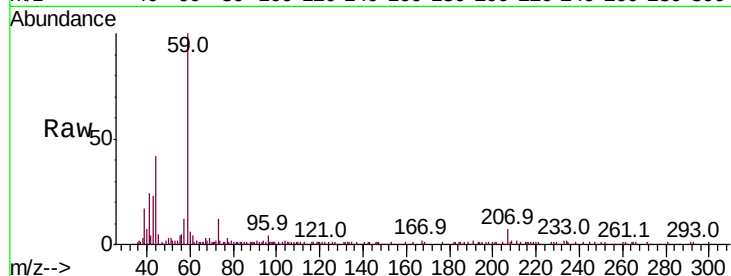
#11
Tert butyl alcohol
Concen: 246.687 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.7	9.3	13.9

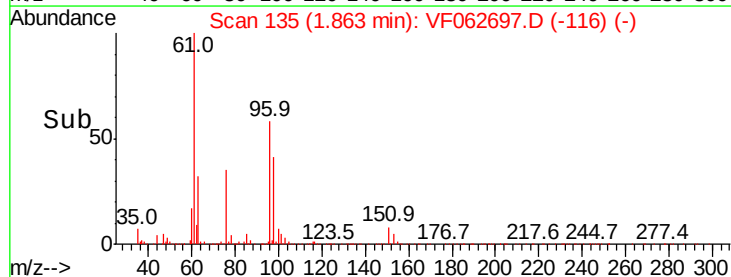
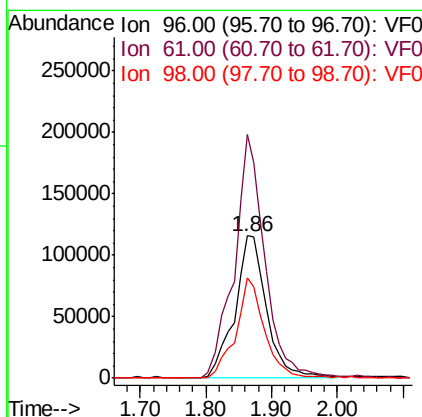
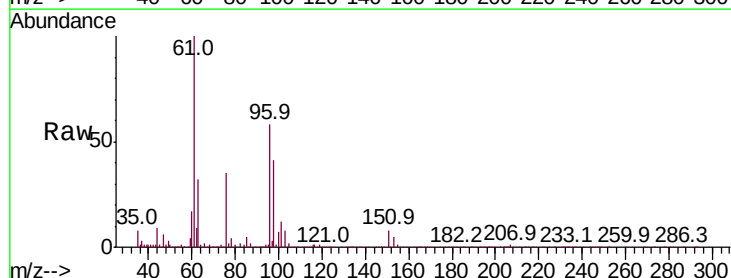
Manual Integrations
APPROVED

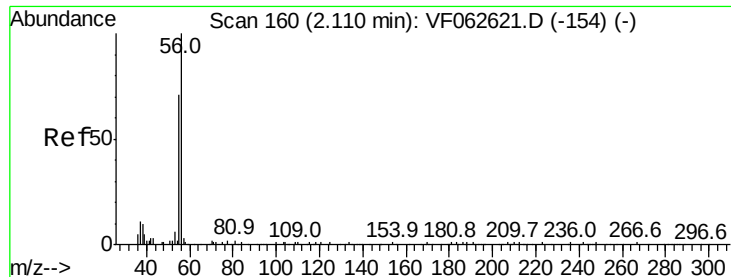
MMDadoda
5/23/2019 12:15:58 PM



#12
1,1-Dichloroethene
Concen: 53.859 ug/l
RT: 1.86 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	171.3	134.3	201.5
98	70.7	55.0	82.6





#13

Acrolein

Concen: 204.577 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 79446

Ion Ratio Lower Upper

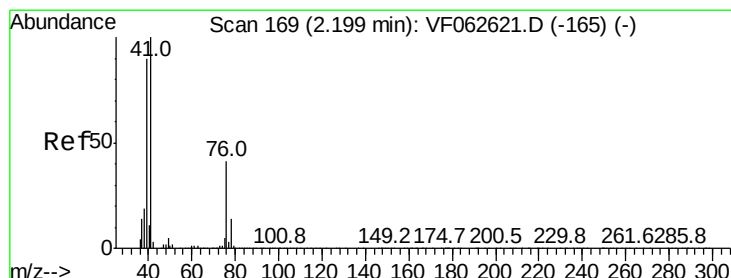
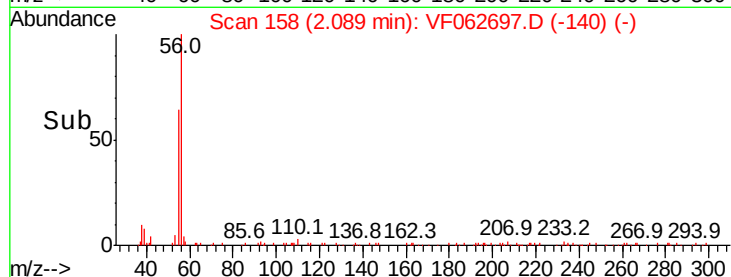
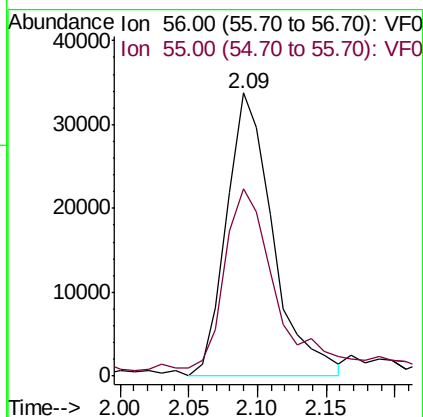
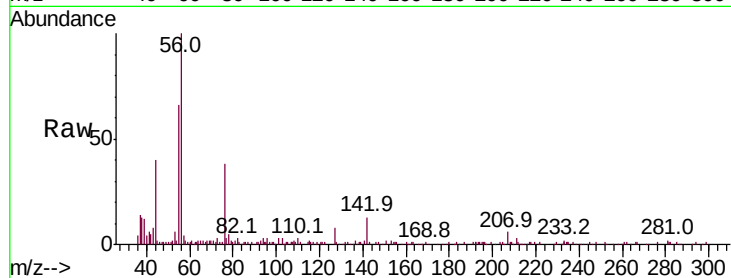
56 100

55 66.4 59.4 89.0

Manual Integrations
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#14

Allyl chloride

Concen: 61.261 ug/l m

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

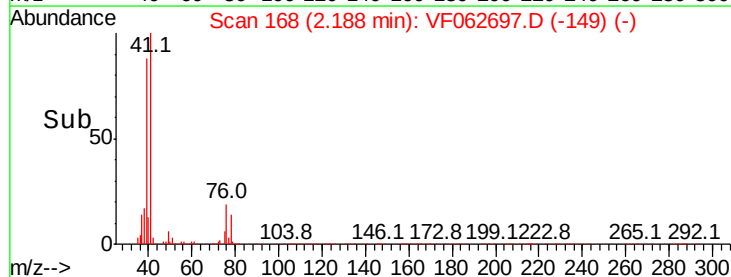
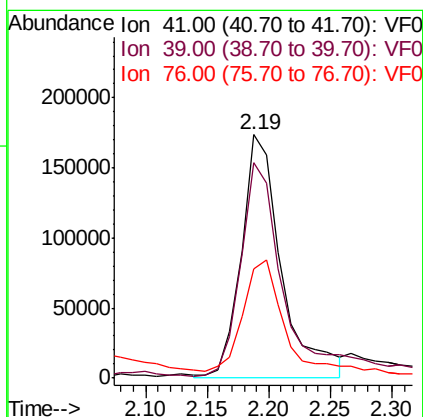
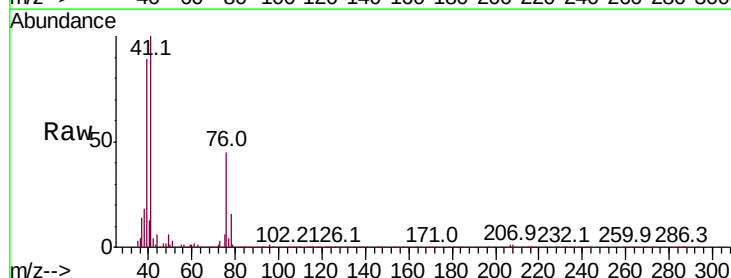
Tgt Ion: 41 Resp: 397179

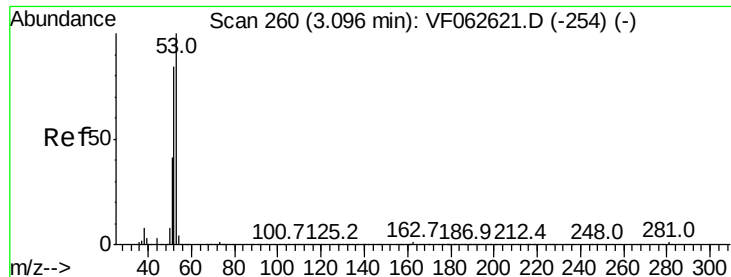
Ion Ratio Lower Upper

41 100

39 88.5 72.0 108.0

76 44.7 34.8 52.2





#15

Acrylonitrile

Concen: 285.474 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

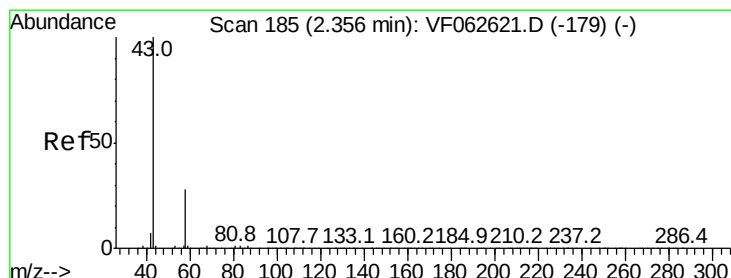
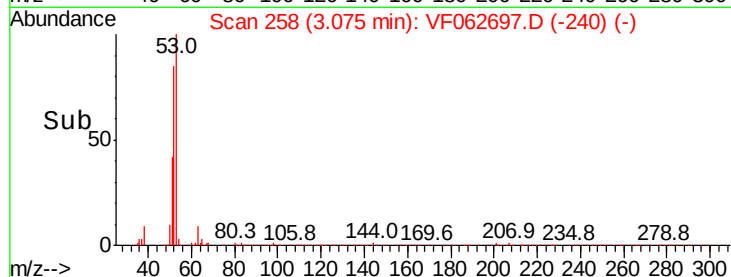
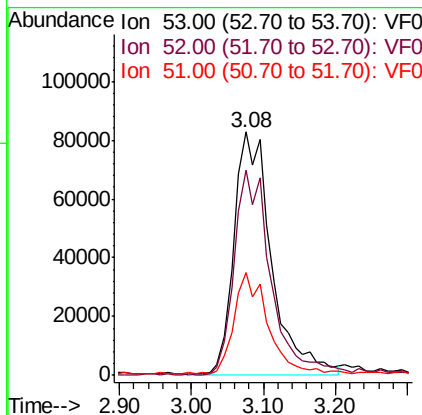
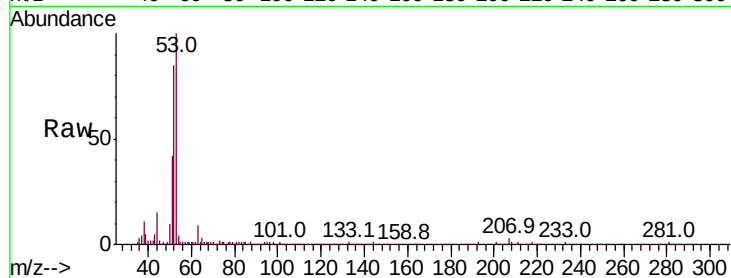
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	299583
Ion Ratio		Lower	Upper
53	100		
52	84.5	67.3	100.9
51	42.4	33.0	49.6

Manual Integrations
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#16

Acetone

Concen: 280.986 ug/l

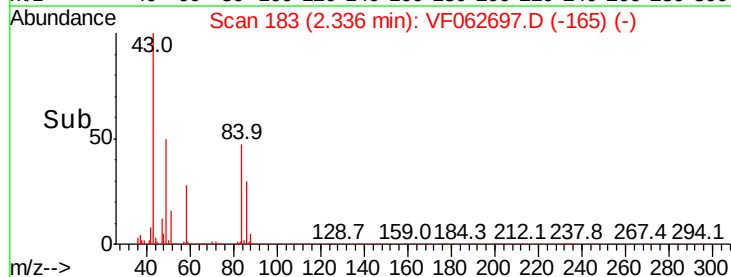
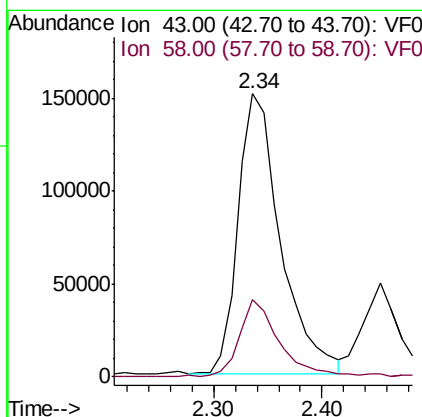
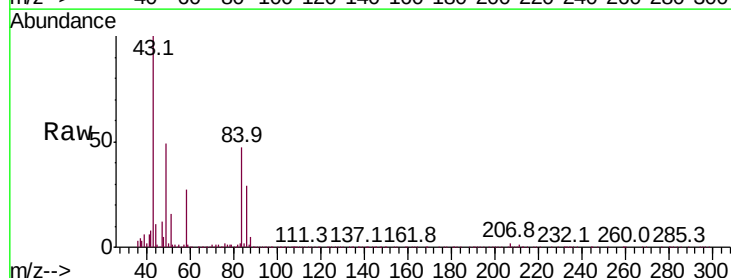
RT: 2.34 min Scan# 183

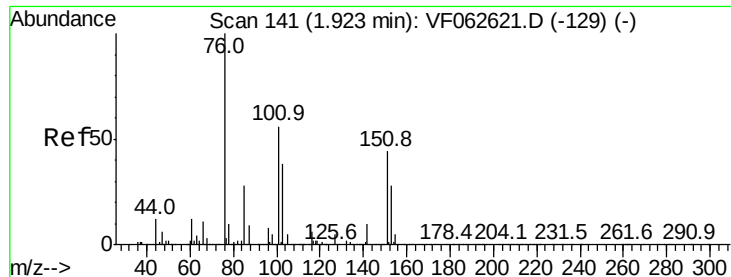
Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion:	43	Resp:	410773
Ion Ratio		Lower	Upper
43	100		
58	27.5	22.6	33.8





#17

Carbon Disulfide

Concen: 50.586 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 1074057

Ion Ratio Lower Upper

76 100

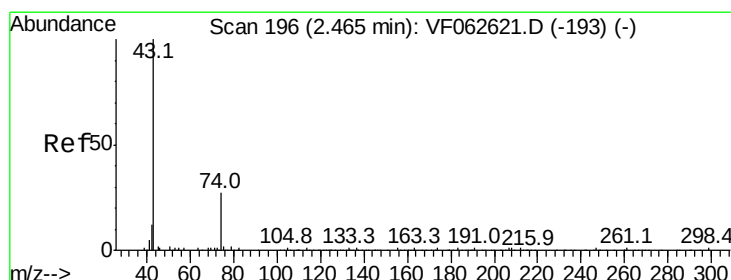
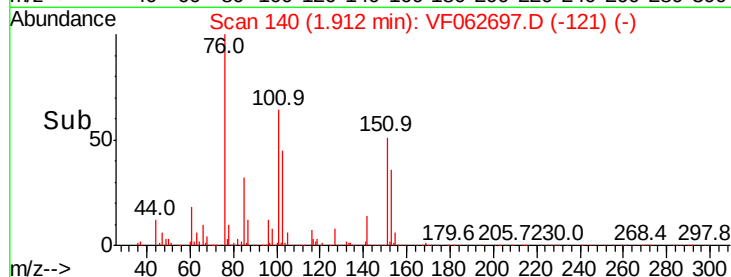
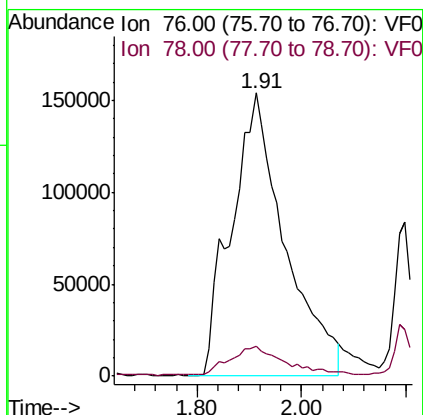
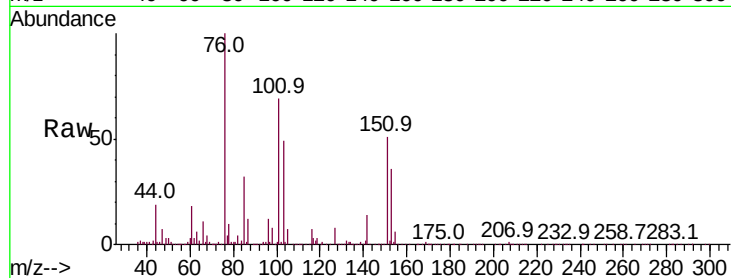
78 10.5 8.4 12.6

Manual Integrations

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#18

Methyl Acetate

Concen: 44.235 ug/l

RT: 2.45 min Scan# 195

Delta R.T. -0.01 min

Lab File: VF062697.D

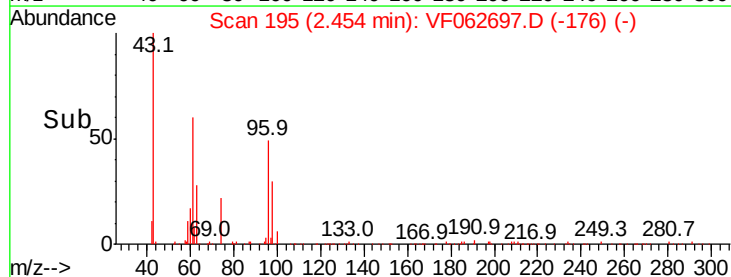
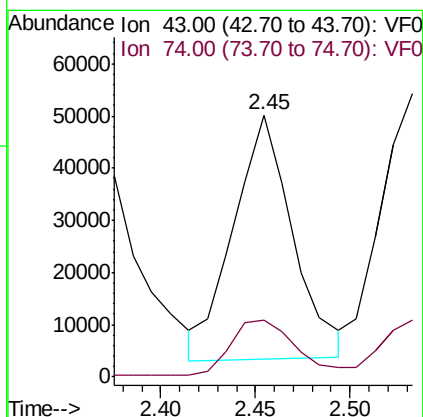
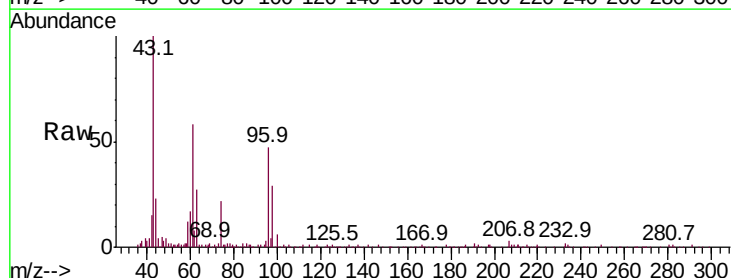
Acq: 22 May 2019 10:23

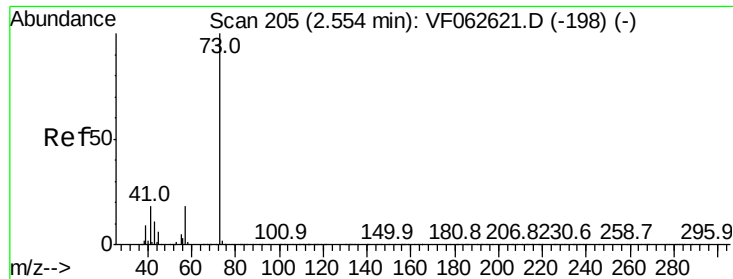
Tgt Ion: 43 Resp: 101620

Ion Ratio Lower Upper

43 100

74 21.9 18.9 28.3





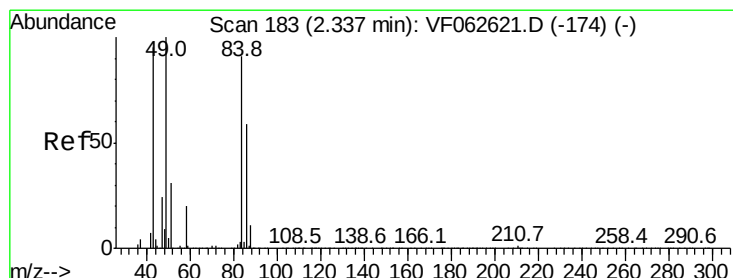
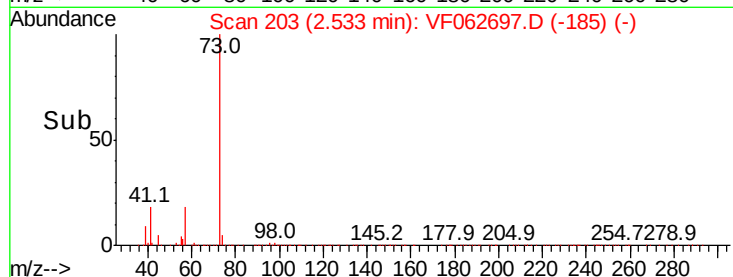
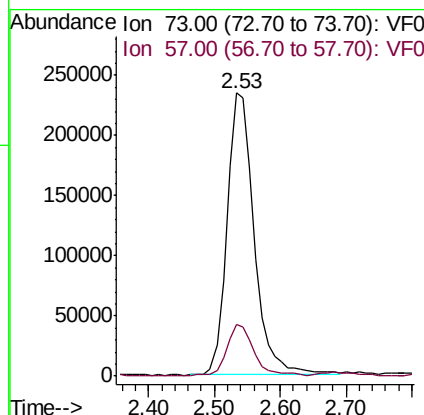
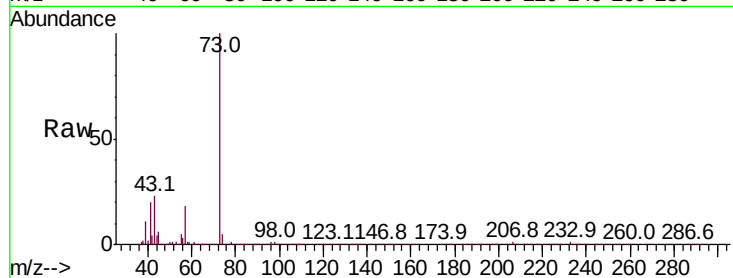
#19
Methyl tert-butyl Ether
Concen: 52.794 ug/l
RT: 2.53 min Scan# 203
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 676072
Ion Ratio Lower Upper
73 100
57 18.3 14.2 21.4

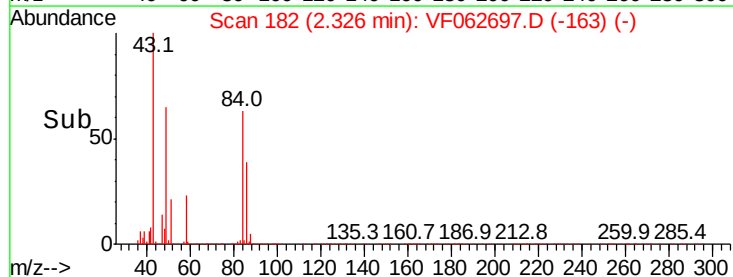
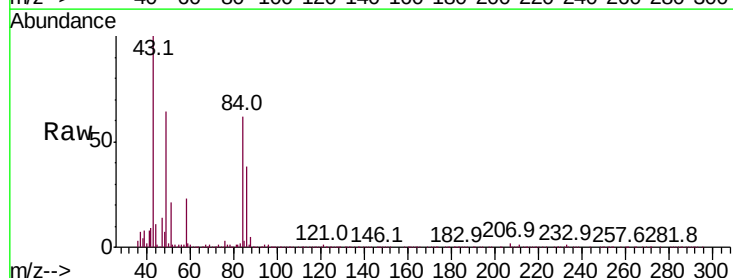
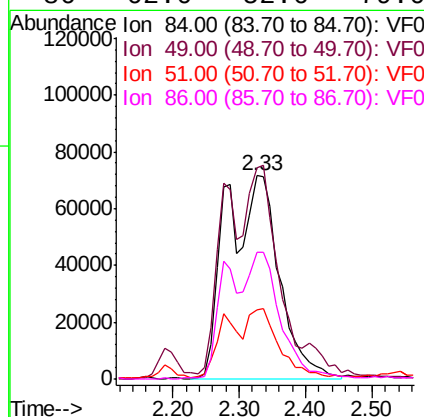
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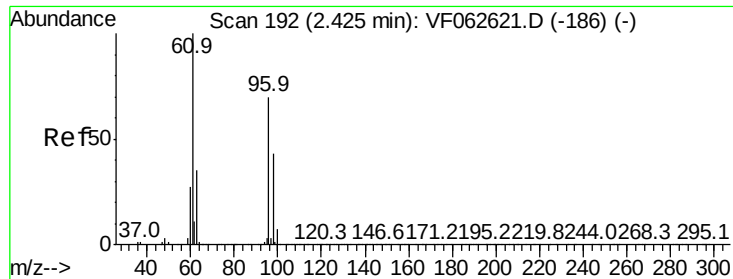
MMDadoda
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#20
Methylene Chloride
Concen: 54.254 ug/l m
RT: 2.33 min Scan# 182
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 84 Resp: 397554
Ion Ratio Lower Upper
84 100
49 104.1 89.8 134.8
51 33.9 28.4 42.6
86 62.0 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 56.084 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 392686
Ion Ratio Lower Upper

96 100

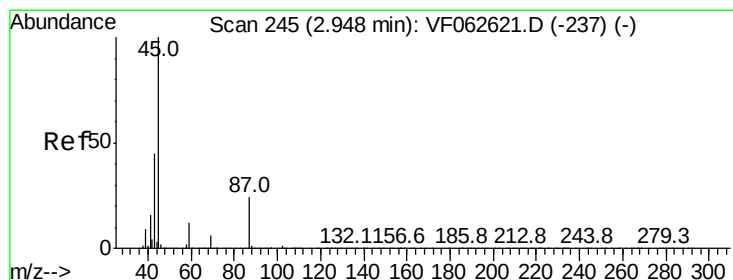
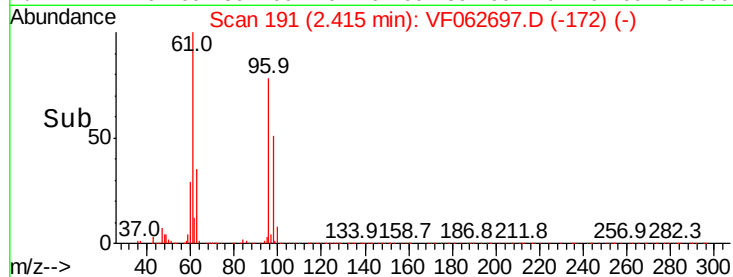
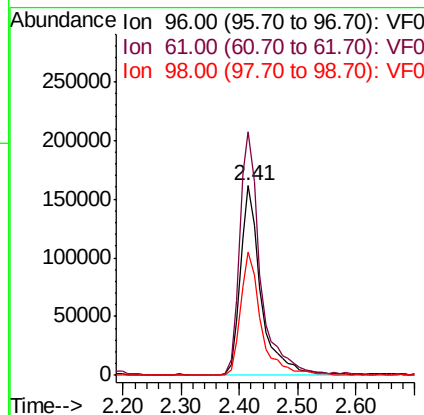
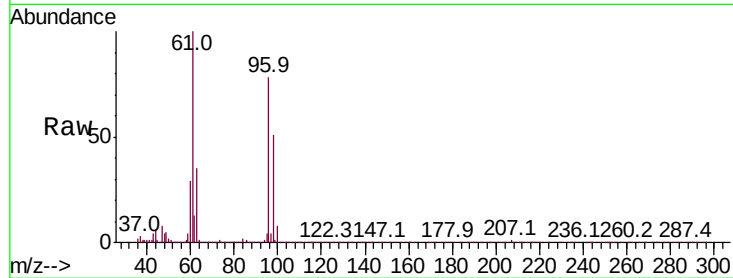
61 128.7 114.6 171.8

98 65.4 49.5 74.3

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#22

Diisopropyl ether

Concen: 49.753 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

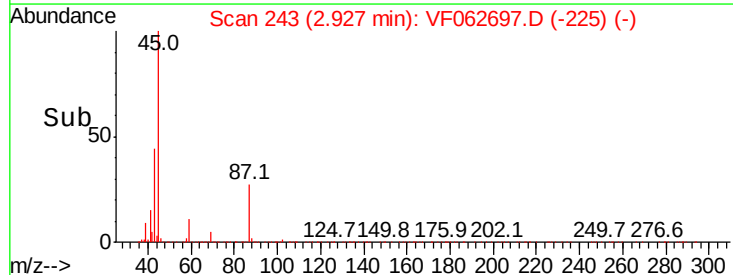
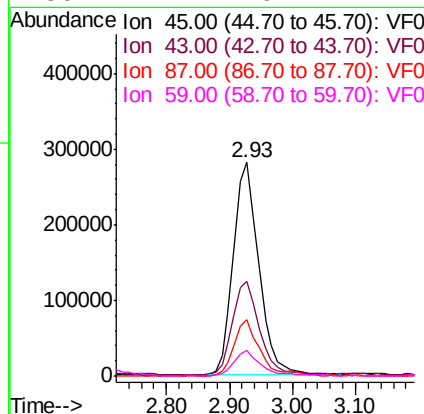
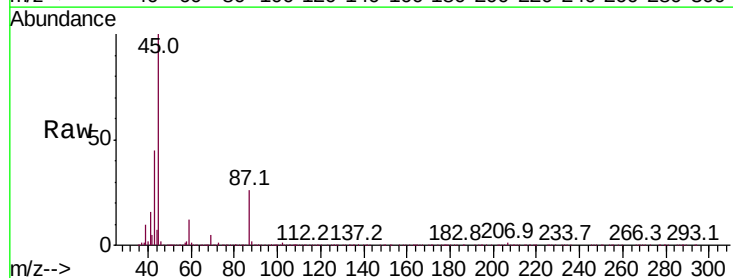
Tgt Ion: 45 Resp: 795577
Ion Ratio Lower Upper

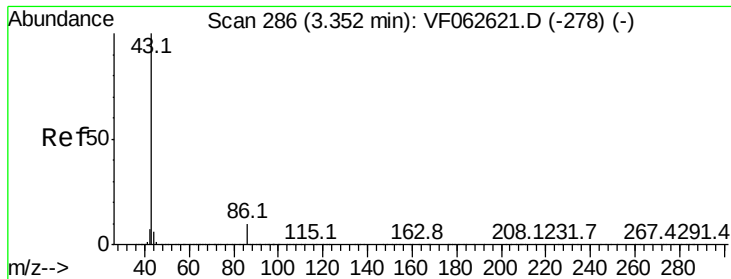
45 100

43 44.6 36.4 54.6

87 26.4 19.3 28.9

59 12.2 9.4 14.2





#23

Vinyl Acetate

Concen: 250.305 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2699970

Ion Ratio Lower Upper

43 100

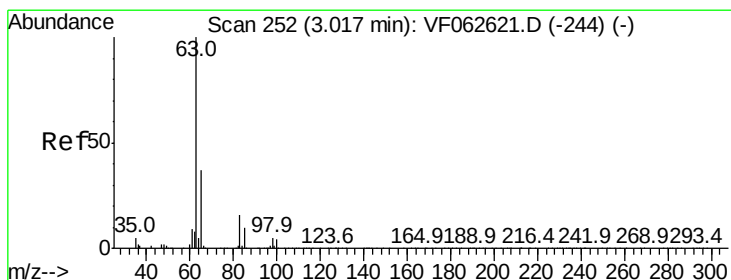
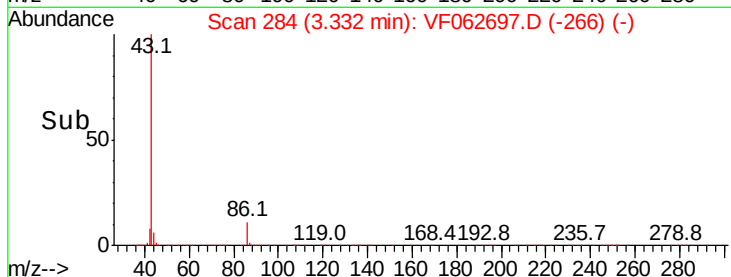
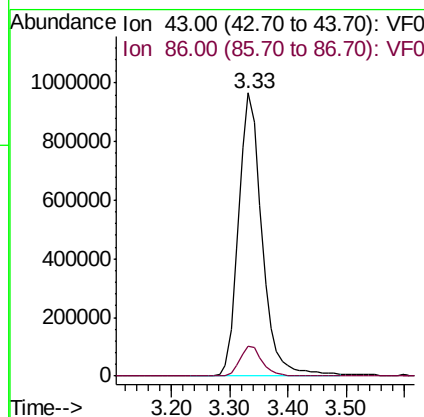
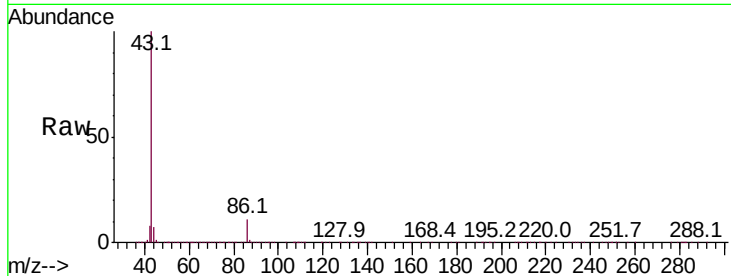
86 10.6 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 55.772 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

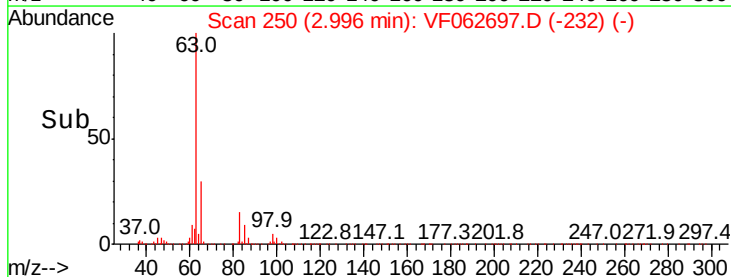
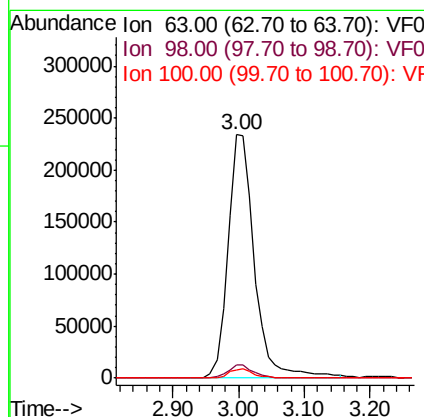
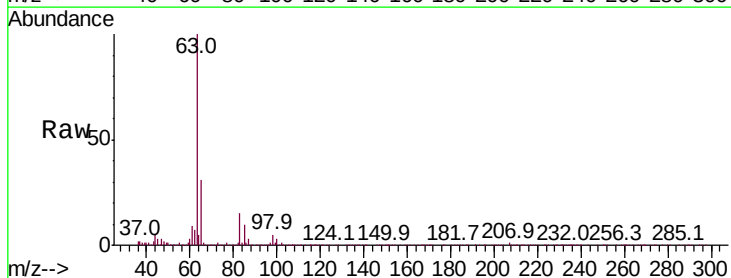
Tgt Ion: 63 Resp: 654242

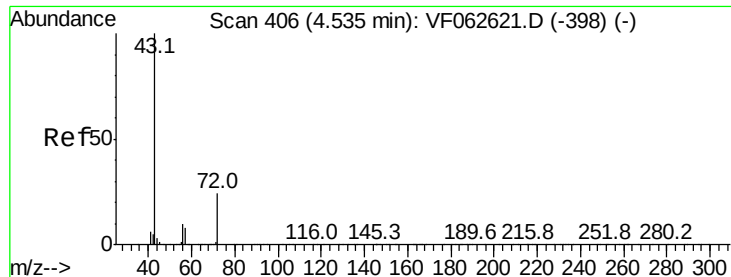
Ion Ratio Lower Upper

63 100

98 5.5 2.8 8.3

100 3.2 1.9 5.7





#25

2-Butanone

Concen: 258.092 ug/l

RT: 4.50 min Scan# 403

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 806108

Ion Ratio Lower Upper

43 100

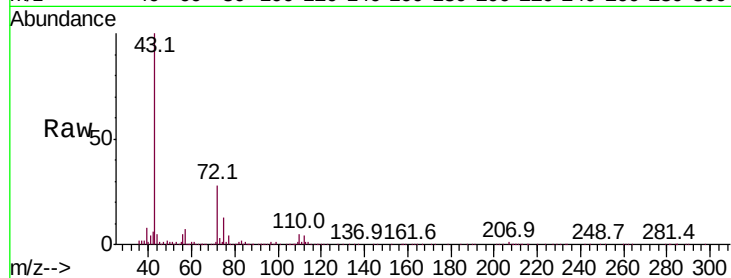
72 28.0 20.1 30.1

Manual Integrations

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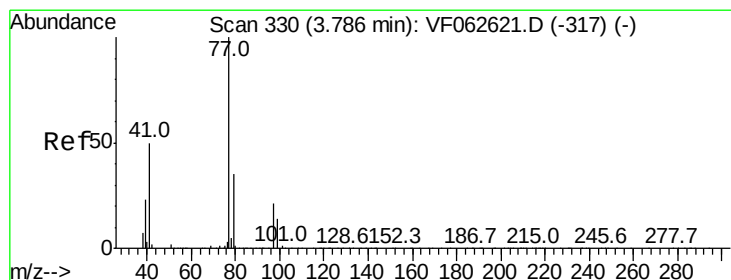
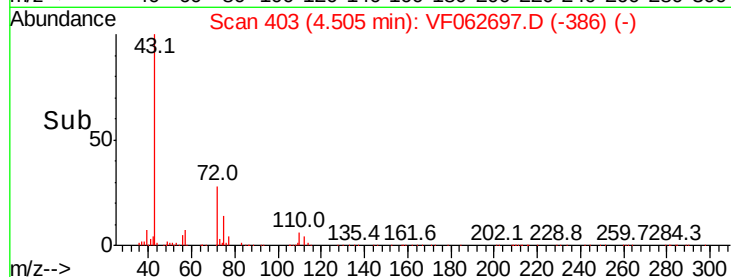
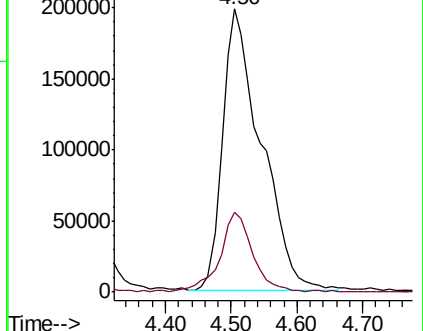
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 60.449 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.03 min

Lab File: VF062697.D

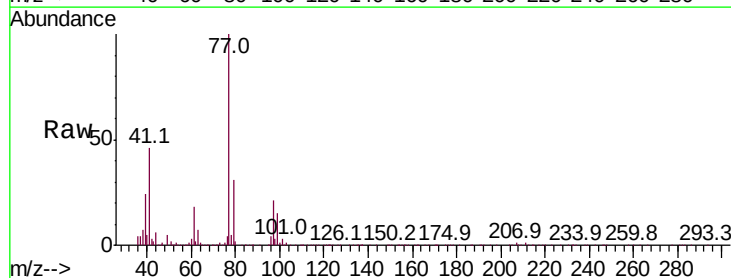
Acq: 22 May 2019 10:23

Tgt Ion: 77 Resp: 405719

Ion Ratio Lower Upper

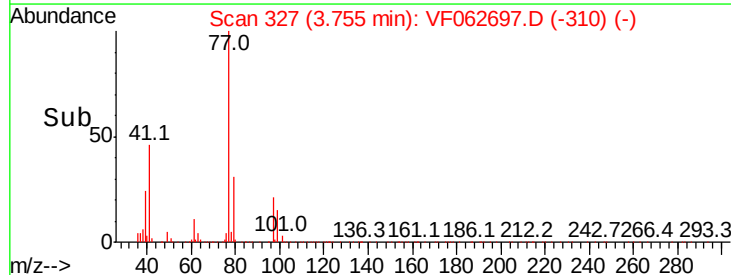
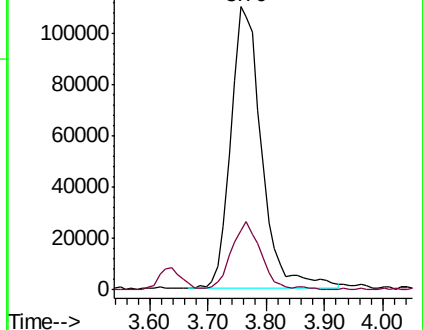
77 100

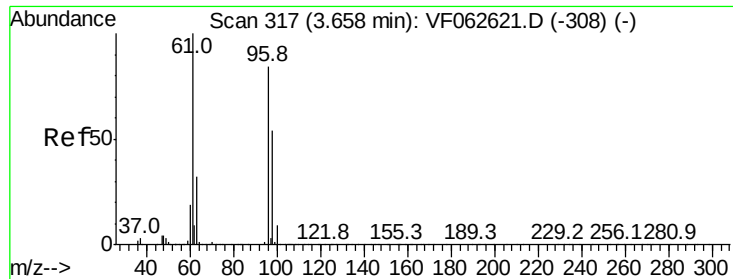
97 20.9 14.1 42.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0





#27

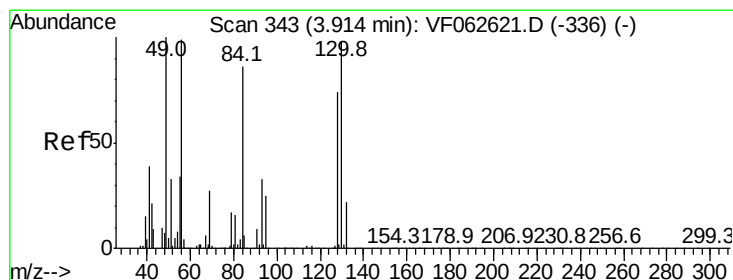
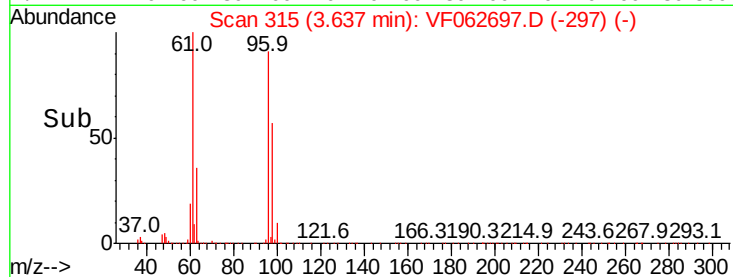
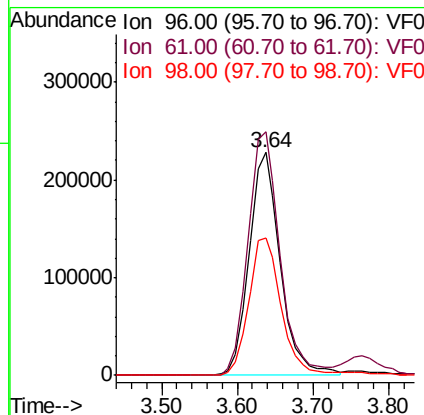
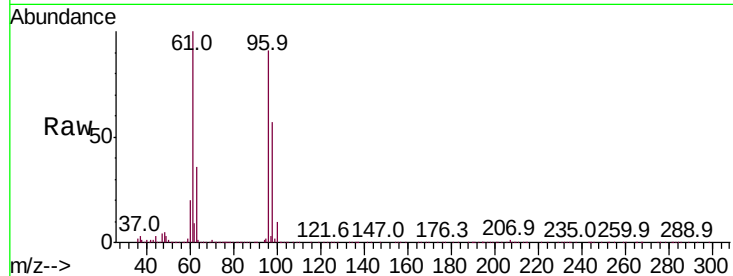
cis-1,2-Dichloroethene
Concen: 56.559 ug/l
RT: 3.64 min Scan# 315
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	651398		
61	109.4	0.0	237.4	
98	61.9	0.0	129.0	

Manual Integrations
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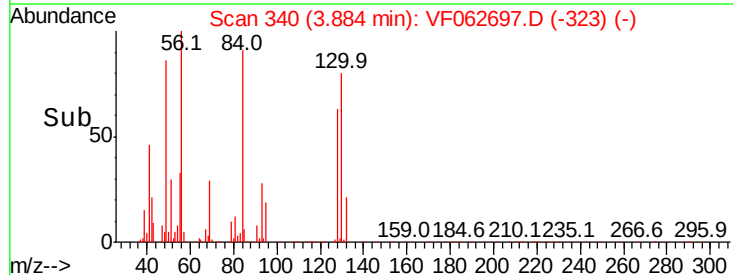
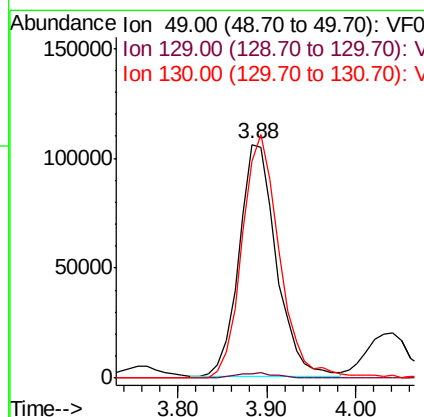
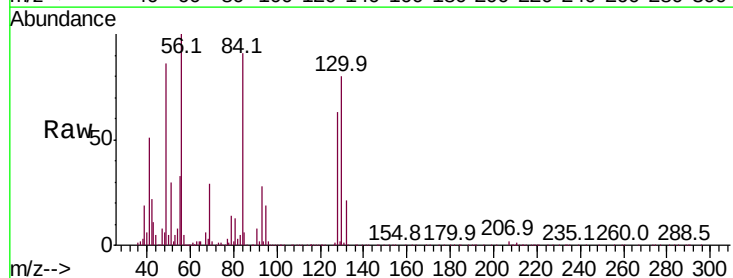
MMDadoda
5/23/2019 12:15:58 PM

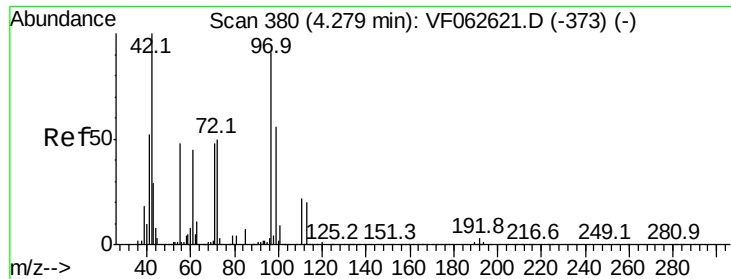


#28

Bromochloromethane
Concen: 46.431 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	305471		
129	2.1	0.0	4.0	
130	92.8	77.8	116.8	





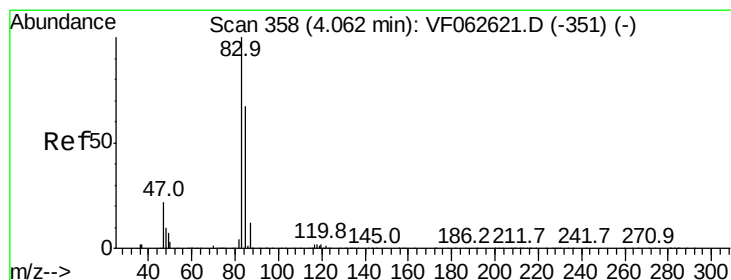
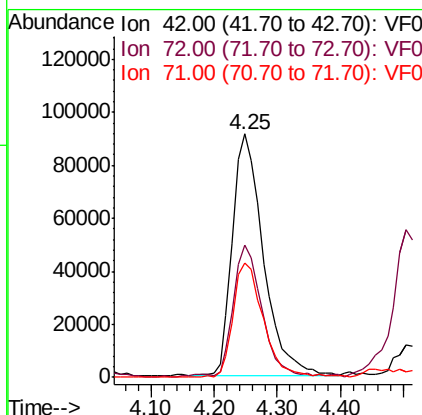
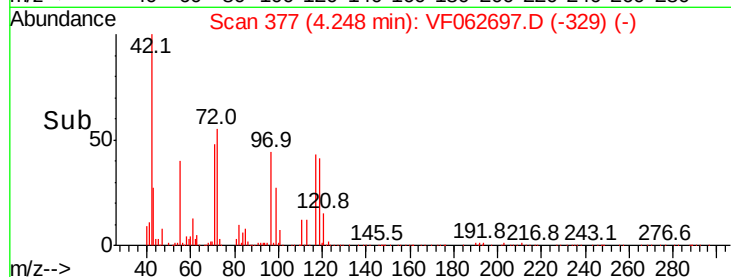
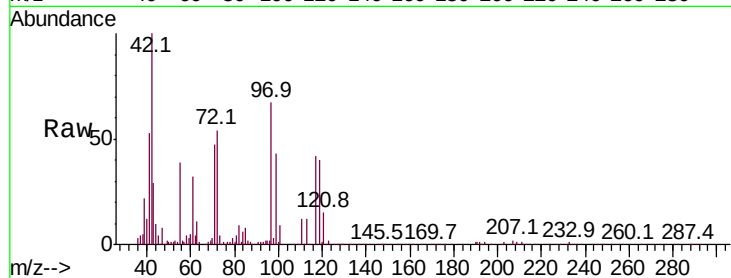
#29
Tetrahydrofuran
Concen: 244.633 ug/l
RT: 4.25 min Scan# 377
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	309193		
72	49.5		38.2	57.2
71	45.8		35.8	53.6

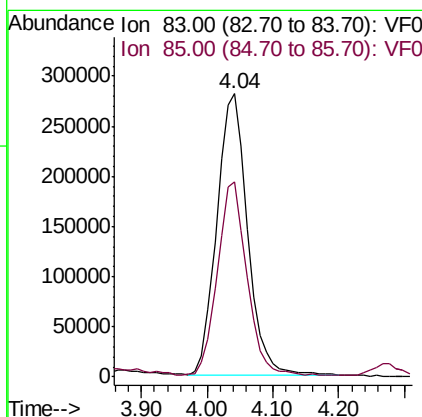
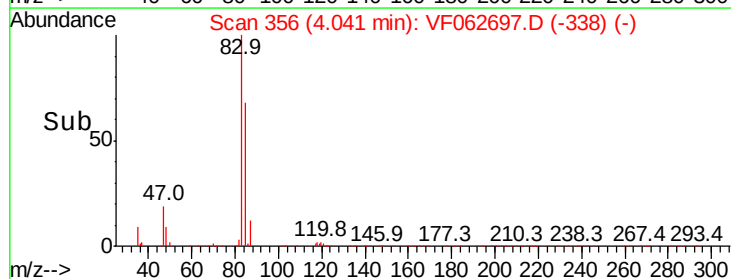
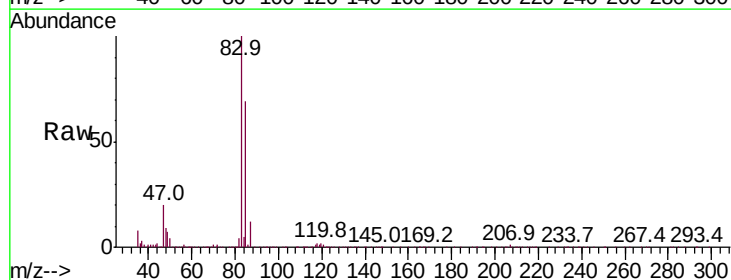
Manual Integrations
APPROVED

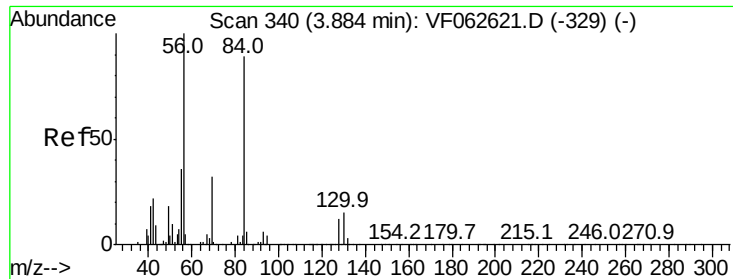
MMDadoda
5/23/2019 12:15:58 PM



#30
Chloroform
Concen: 55.877 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	910056		
85	69.1		53.6	80.4





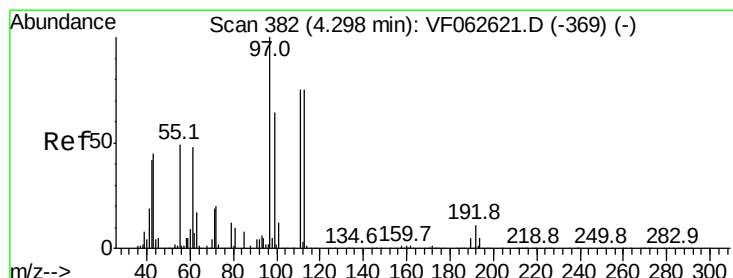
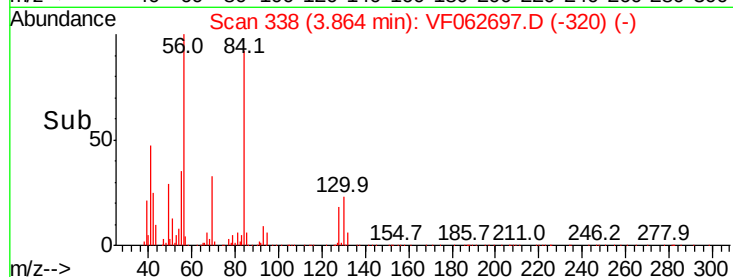
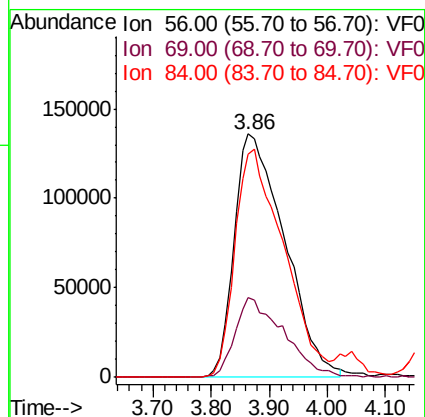
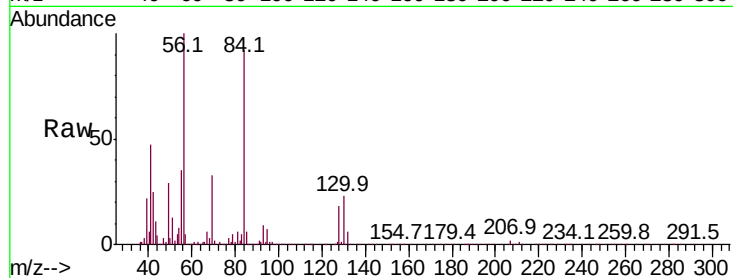
#31
Cyclohexane
Concen: 51.721 ug/l
RT: 3.86 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.6	25.3	37.9
84	91.8	71.0	106.4

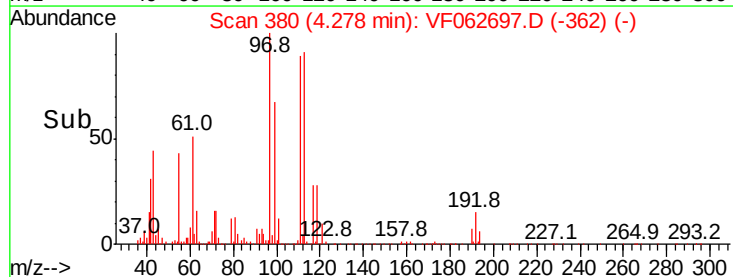
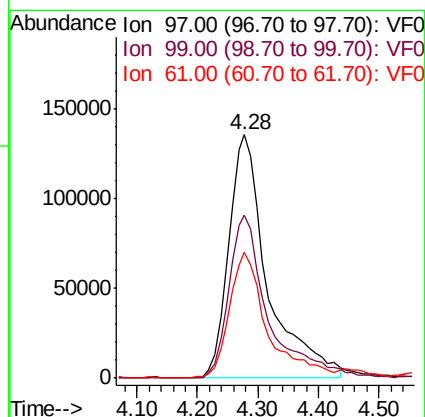
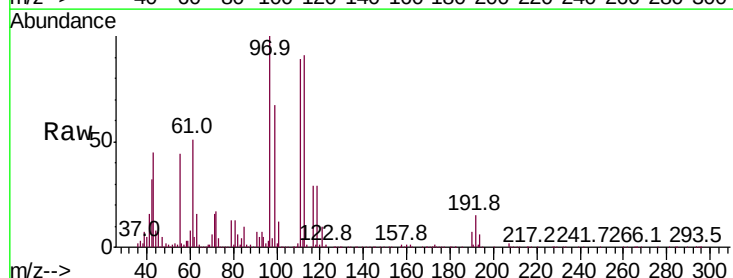
Manual Integrations
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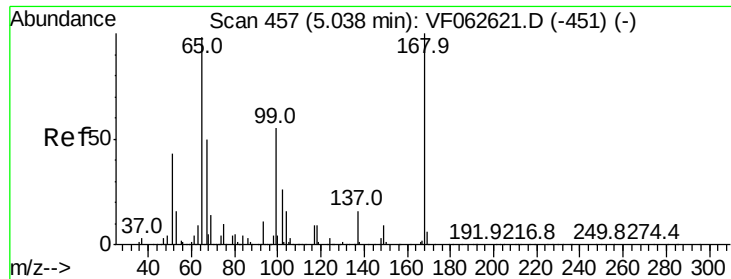
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 55.854 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.8	51.3	76.9
61	51.4	38.2	57.2





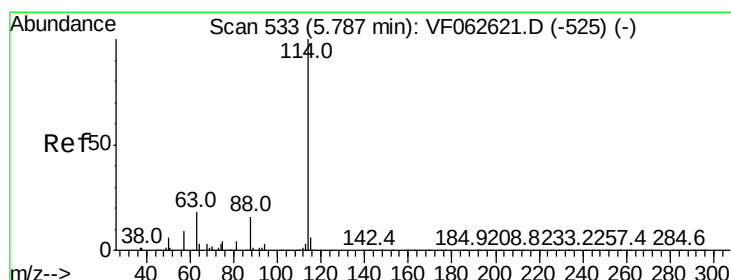
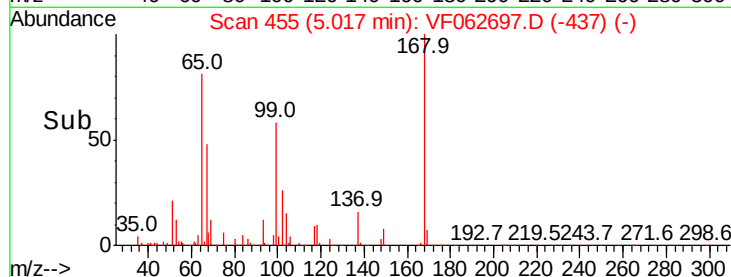
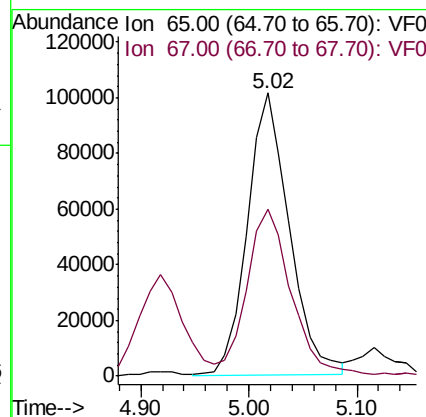
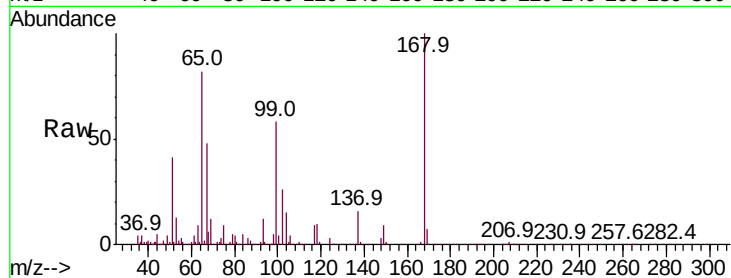
#33
 1,2-Dichloroethane-d4
 Concen: 48.614 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	273938		
67	59.1	0.0	117.6	

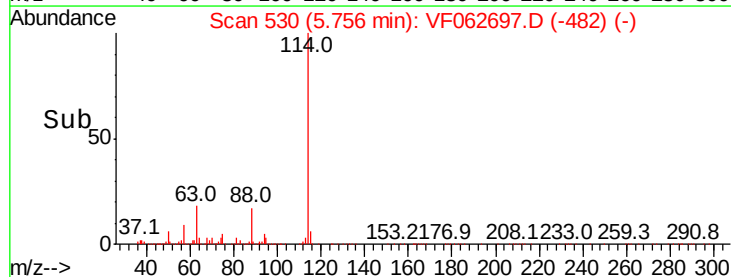
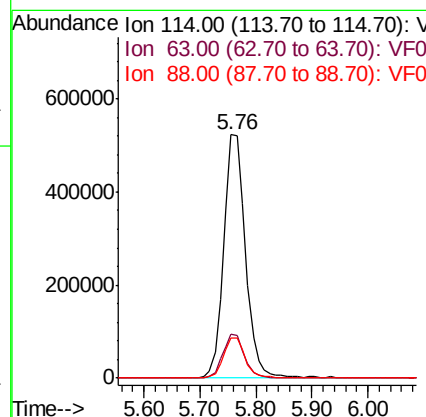
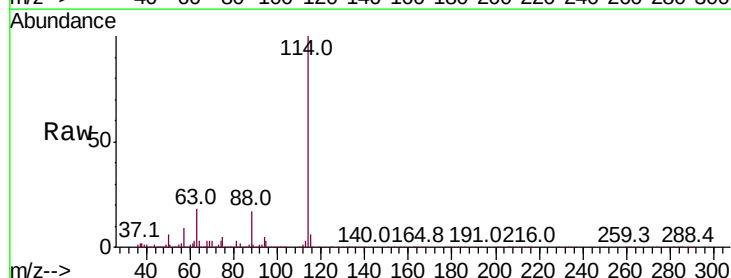
Manual Integrations
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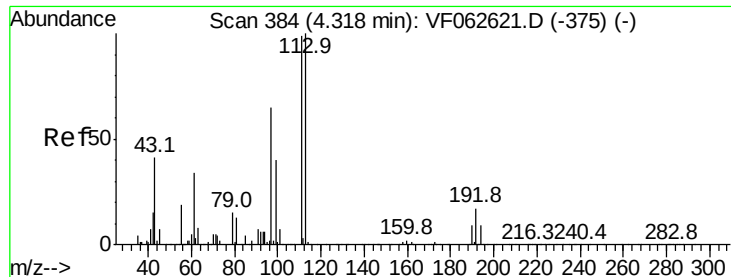
MMDadoda
 5/23/2019 12:15:58 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1428686		
63	18.0	0.0	35.4	
88	16.7	0.0	32.4	





#35

Dibromofluoromethane

Concen: 46.396 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.03 min

Lab File: VF062697.D

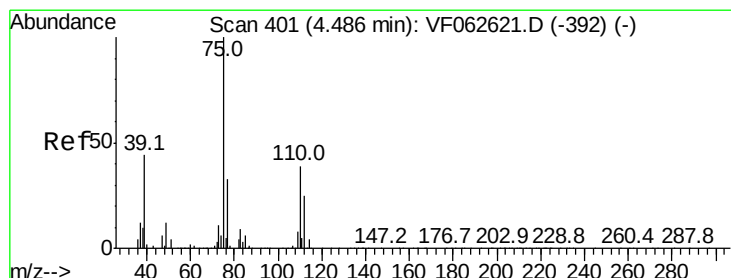
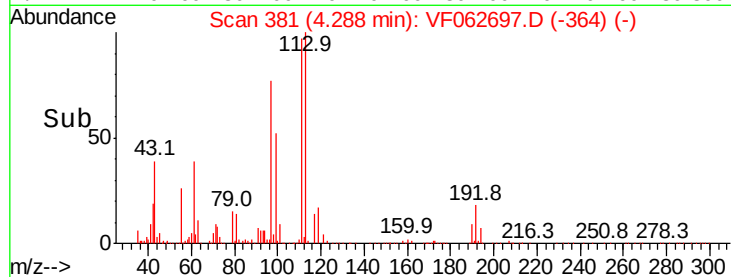
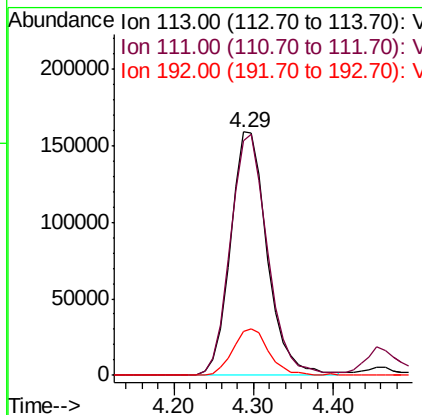
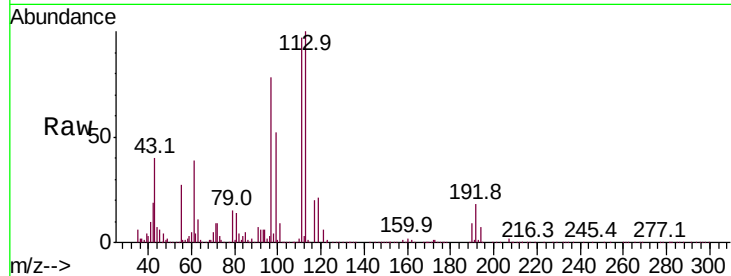
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:	113	Resp:	507221
Ion Ratio	Lower	Upper	
113	100		
111	96.5	79.4	119.2
192	18.2	13.4	20.2

Manual Integrations
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5/23/2019 12:15:58 PM



#36

1,1-Dichloropropene

Concen: 49.511 ug/l

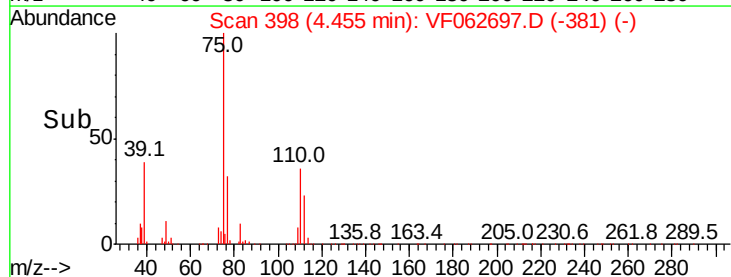
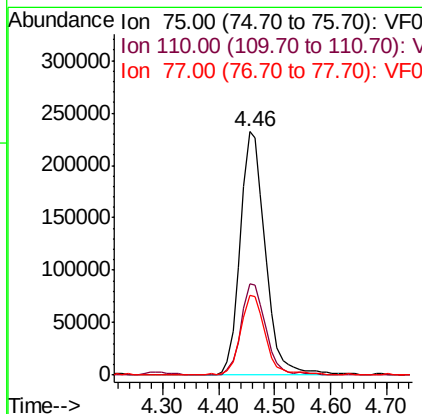
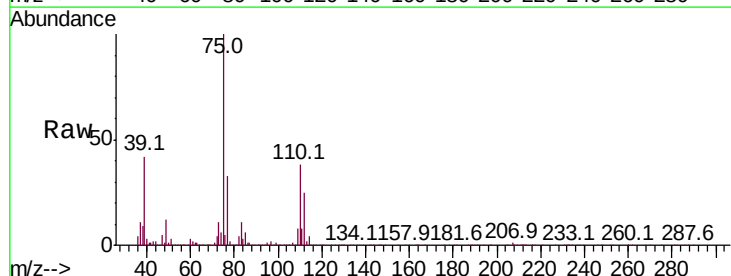
RT: 4.46 min Scan# 398

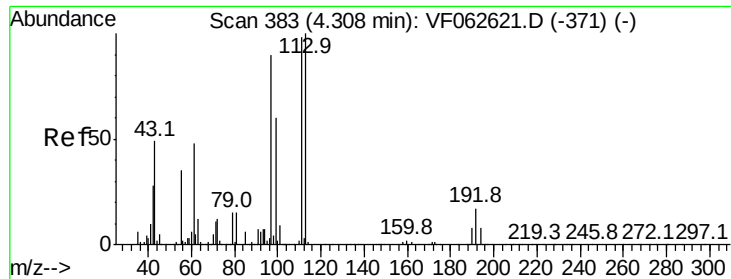
Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion:	75	Resp:	724822
Ion Ratio	Lower	Upper	
75	100		
110	37.7	19.7	59.1
77	32.7	26.3	39.5





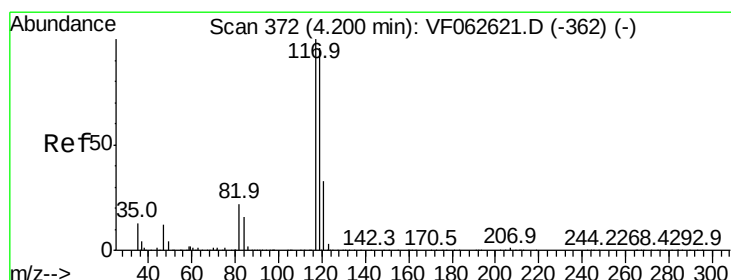
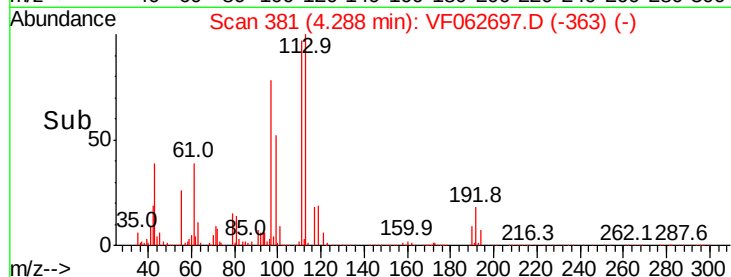
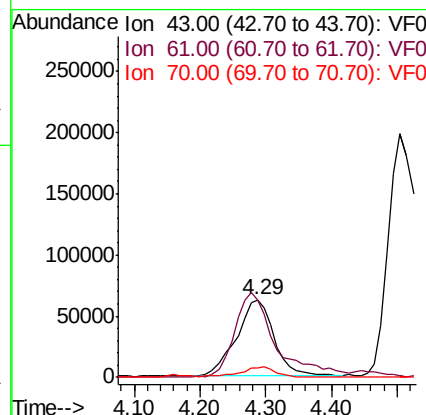
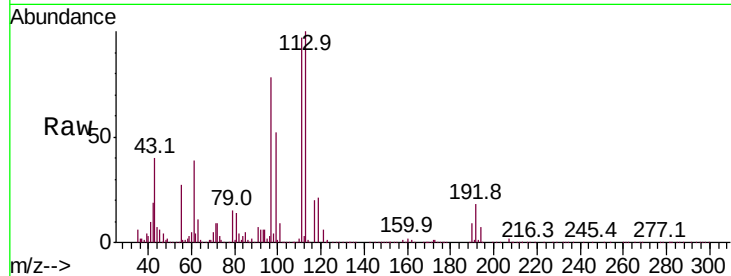
#37
Ethyl Acetate
Concen: 41.738 ug/l
RT: 4.29 min Scan# 381
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	98.8	76.9	115.3
70	12.3	8.8	13.2

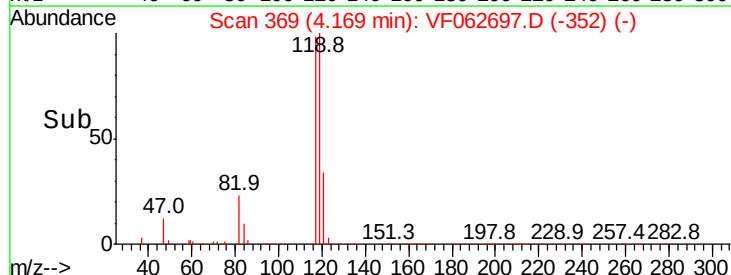
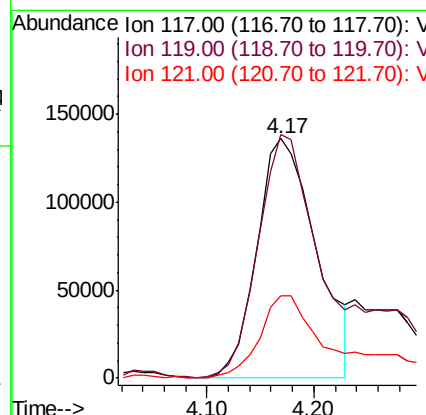
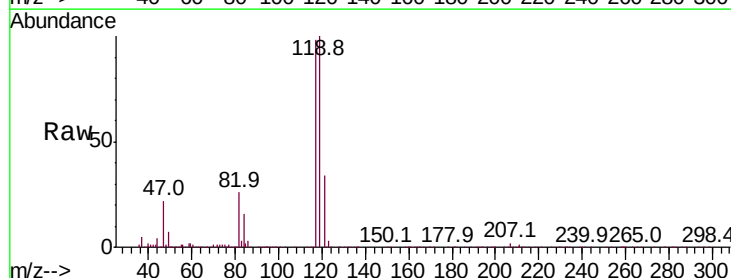
Manual Integrations
APPROVED

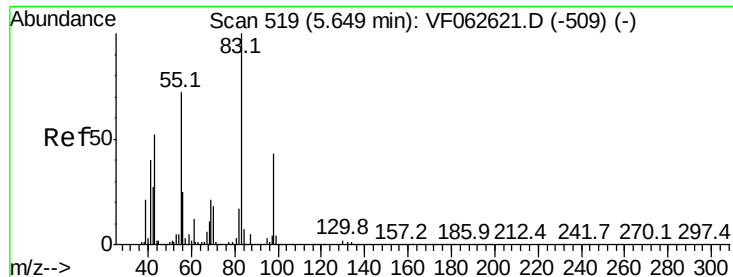
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#38
Carbon Tetrachloride
Concen: 47.829 ug/l m
RT: 4.17 min Scan# 369
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.7	76.7	115.1
121	34.2	26.6	40.0





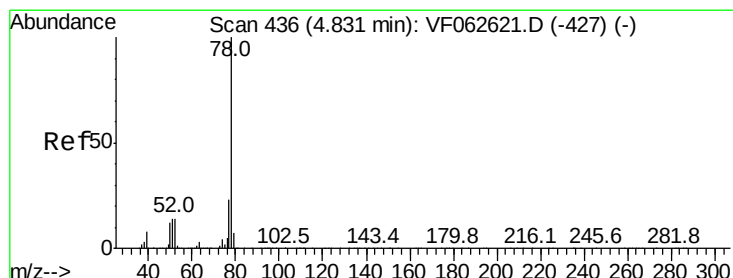
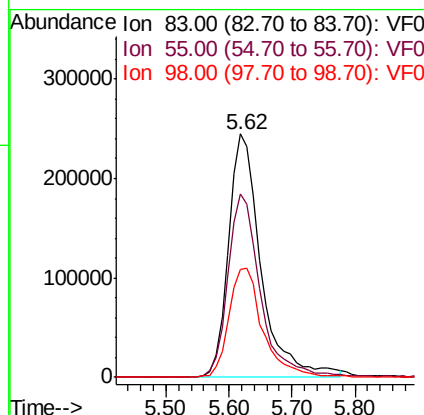
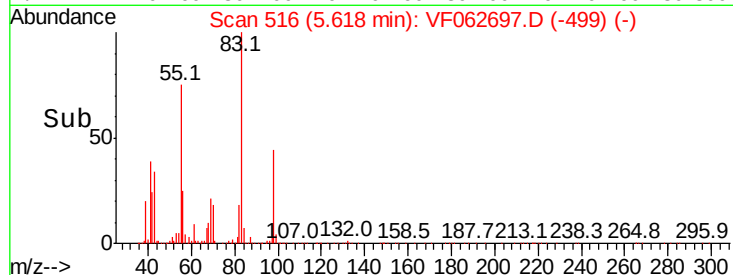
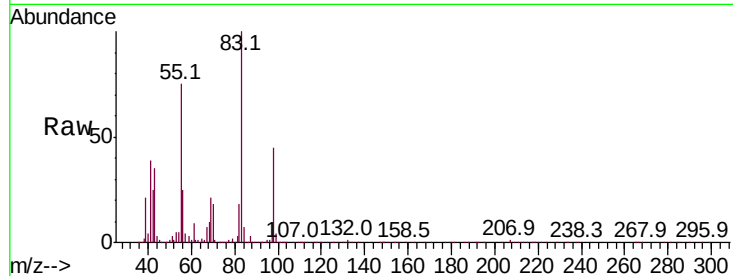
#39
Methylvlcyclohexane
Concen: 49.422 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	870569
Ion Ratio	100	Lower	Upper
83	100		
55	75.5	57.9	86.9
98	44.6	34.6	52.0

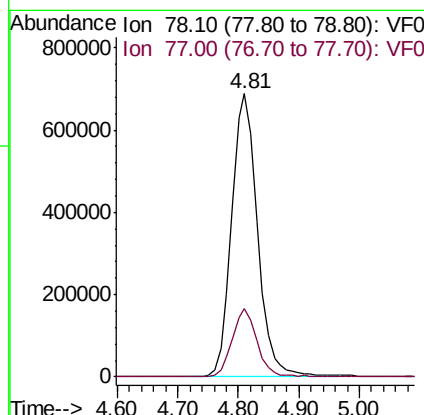
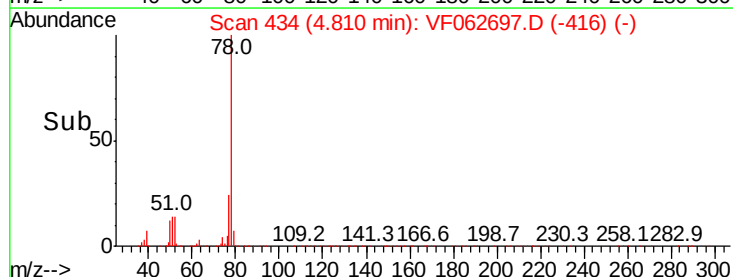
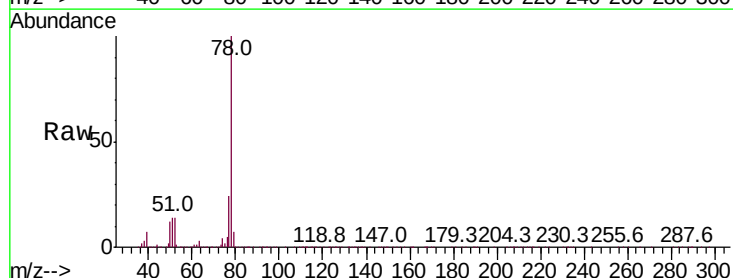
Manual Integrations
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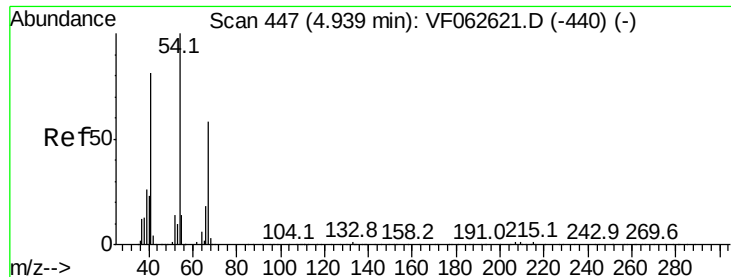
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#40
Benzene
Concen: 51.459 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	78	Resp	2052313
Ion Ratio	100	Lower	Upper
78	100		
77	24.3	18.2	27.2





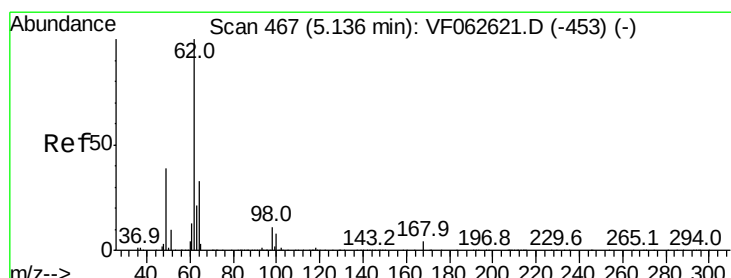
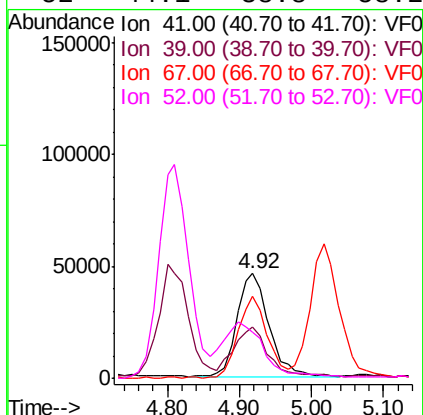
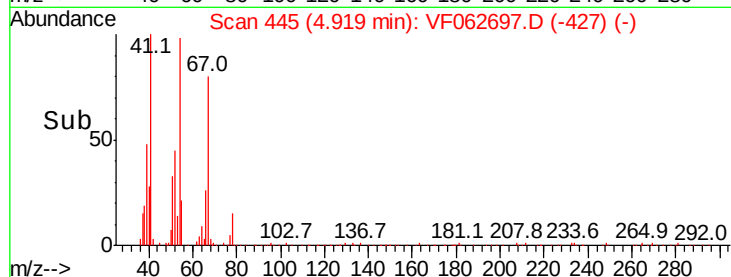
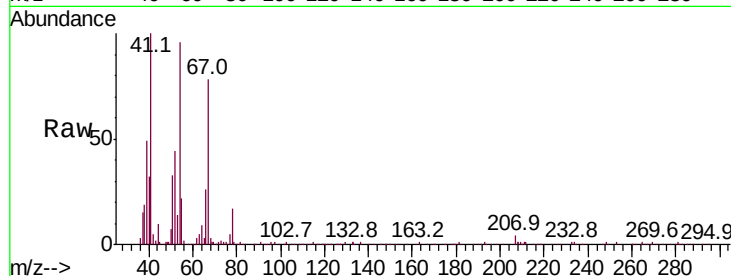
#41
Methacrylonitrile
Concen: 45.264 ug/l
RT: 4.92 min Scan# 445
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.6	42.2	63.2
67	77.8	56.4	84.6
52	44.1	38.8	58.2

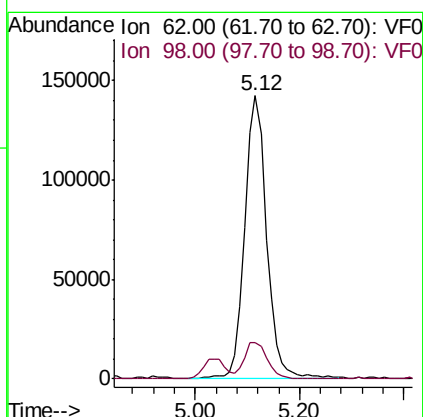
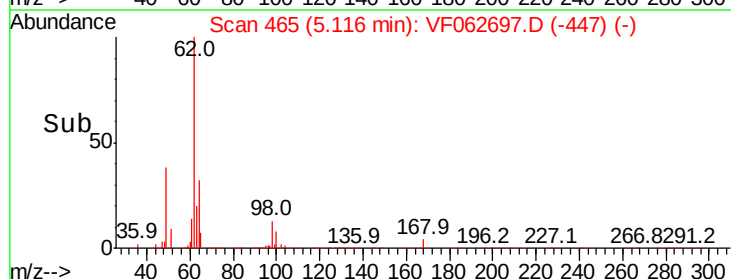
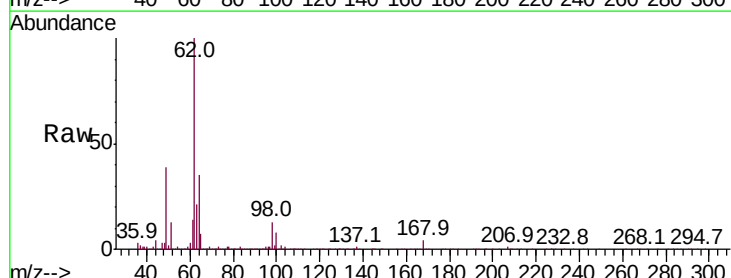
Manual Integrations
APPROVED

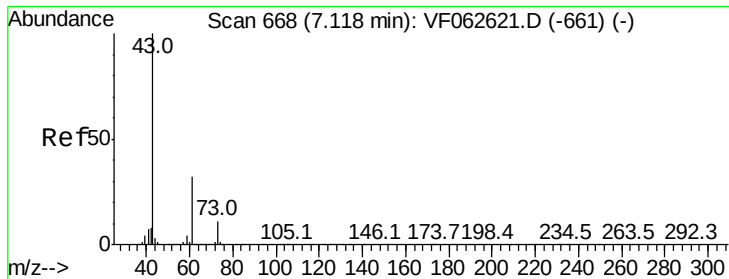
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#42
1,2-Dichloroethane
Concen: 50.079 ug/l
RT: 5.12 min Scan# 465
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	21.6





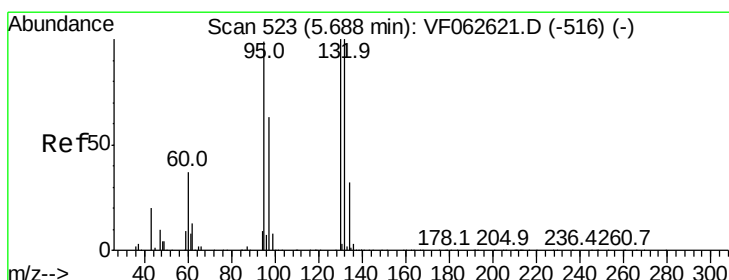
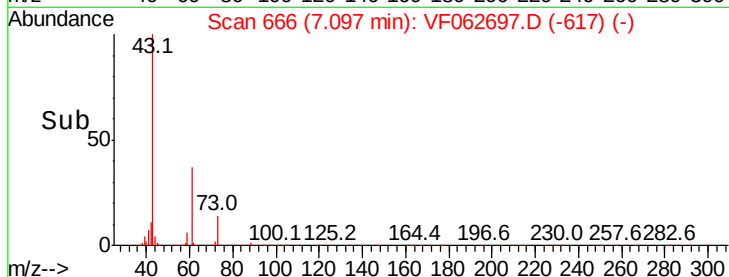
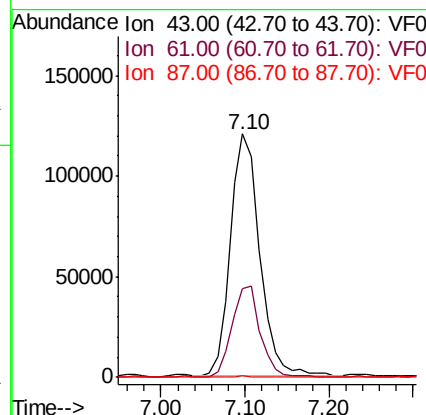
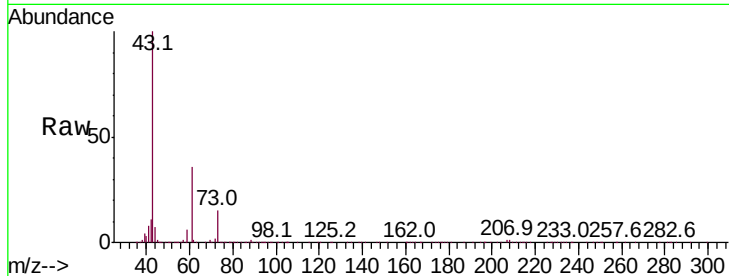
#43
Isopropyl Acetate
Concen: 37.656 ug/l
RT: 7.10 min Scan# 666
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.3	25.8	38.8
87	0.5	0.4	0.6

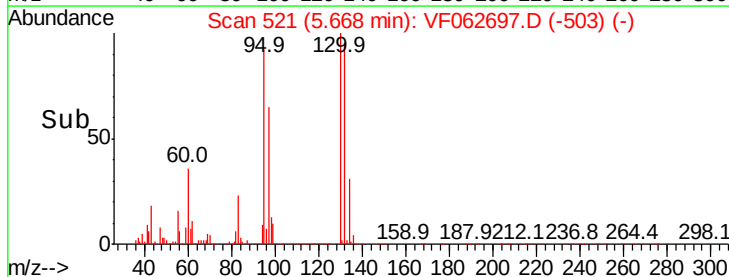
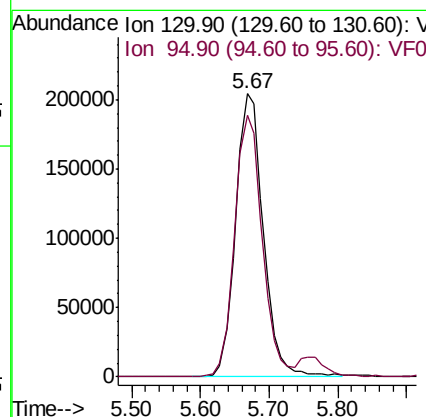
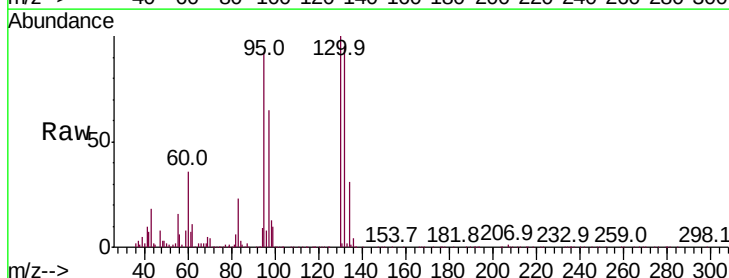
Manual Integrations
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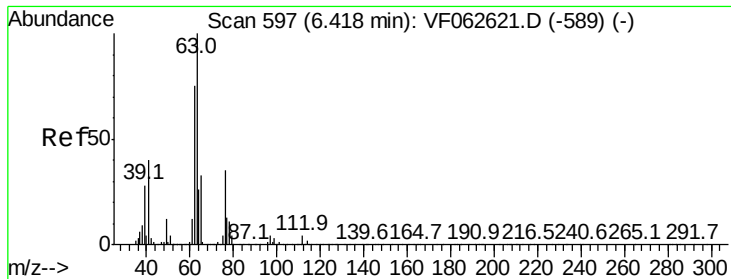
MMDadoda
5/23/2019 12:15:58 PM



#44
Trichloroethene
Concen: 50.760 ug/l
RT: 5.67 min Scan# 521
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.4	0.0	199.4





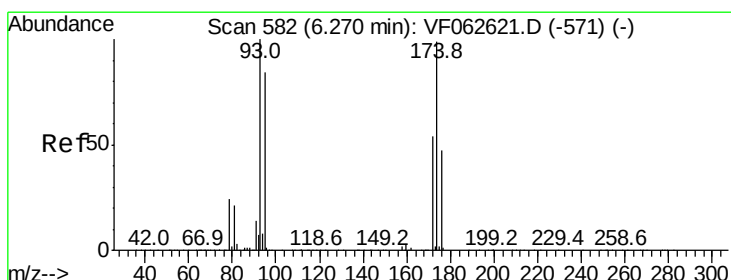
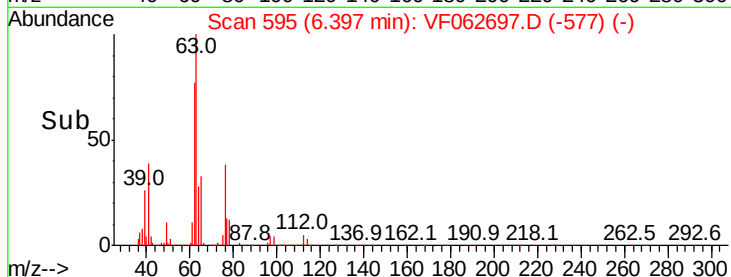
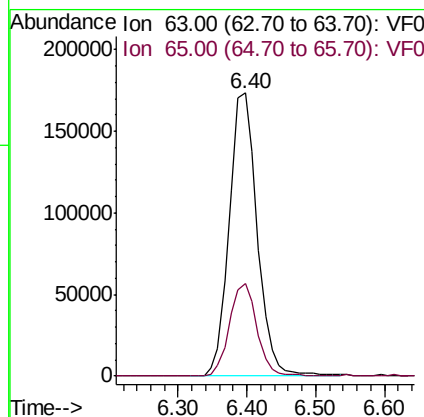
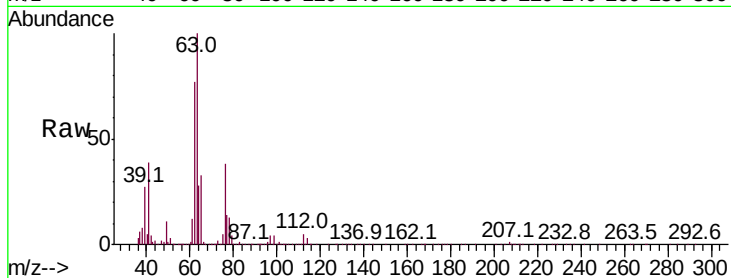
#45
 1,2-Dichloropropane
 Concen: 48.569 ug/l
 RT: 6.40 min Scan# 595
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	26.3	39.5

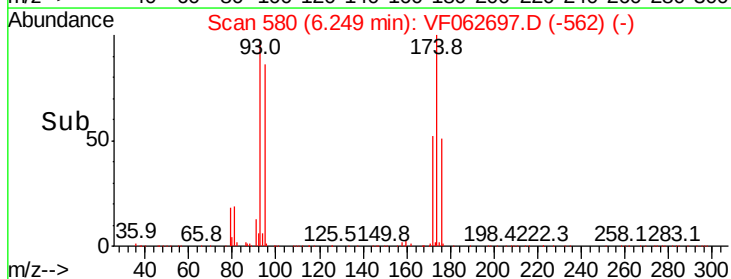
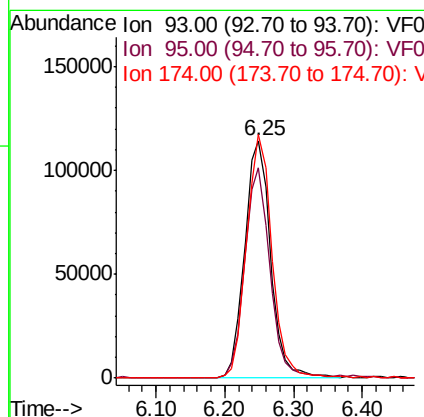
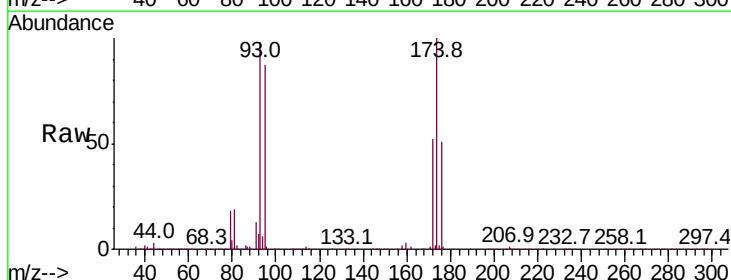
Manual Integrations
 APPROVED

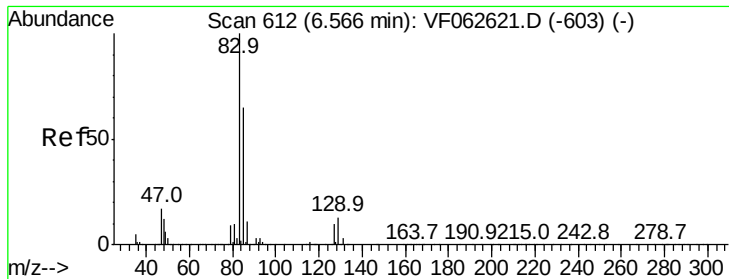
MMDadoda
 5/23/2019 12:15:58 PM



#46
 Dibromomethane
 Concen: 51.545 ug/l
 RT: 6.25 min Scan# 580
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	88.7	67.4	101.2
174	102.5	79.4	119.2





#47

Bromodichloromethane

Concen: 50.581 ug/l

RT: 6.54 min Scan# 609

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

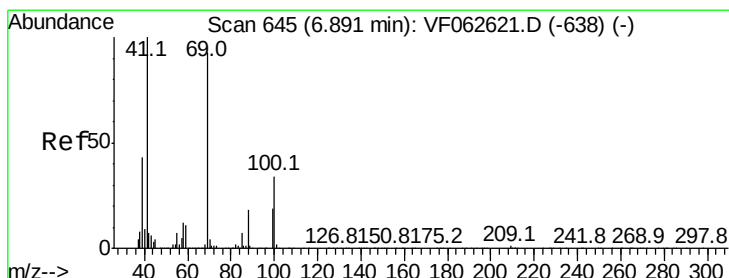
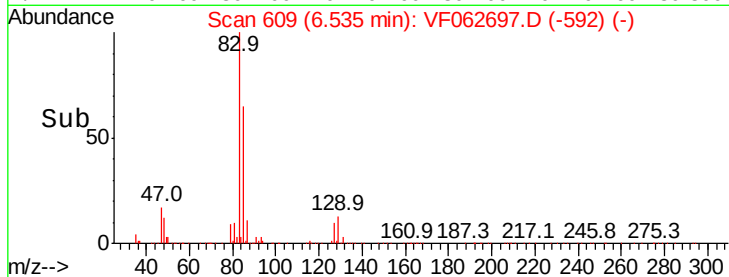
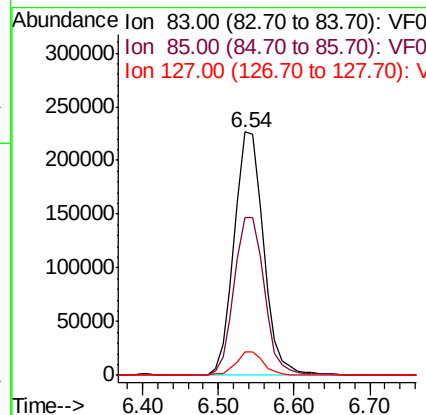
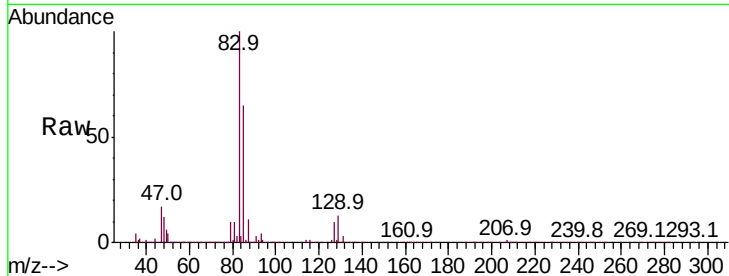
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	610973
Ion Ratio	Lower	Upper	
83	100		
85	65.0	52.0	78.0
127	9.6	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 40.887 ug/l

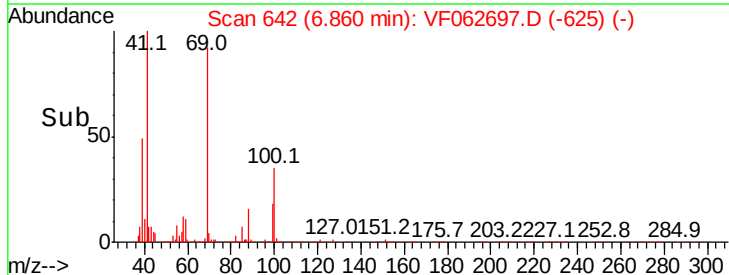
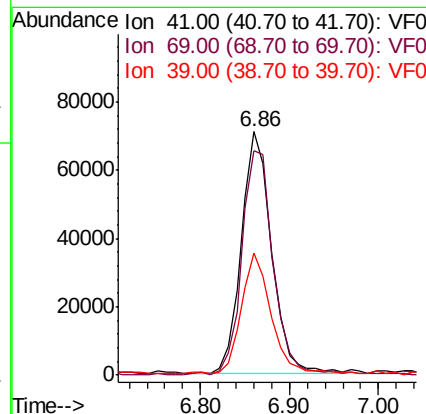
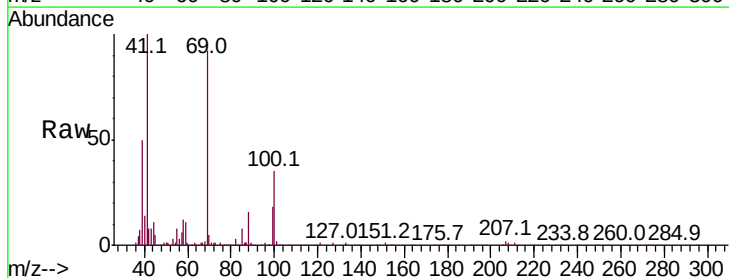
RT: 6.86 min Scan# 642

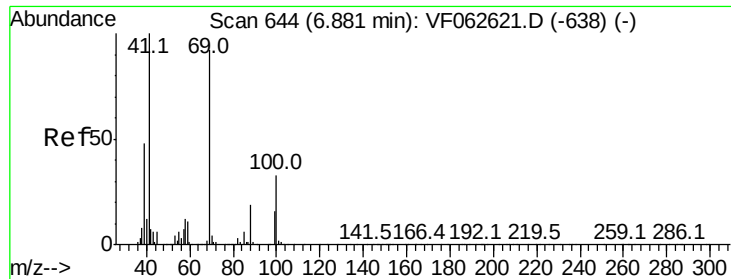
Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion:	41	Resp:	165493
Ion Ratio	Lower	Upper	
41	100		
69	92.4	74.2	111.2
39	50.0	34.2	51.4





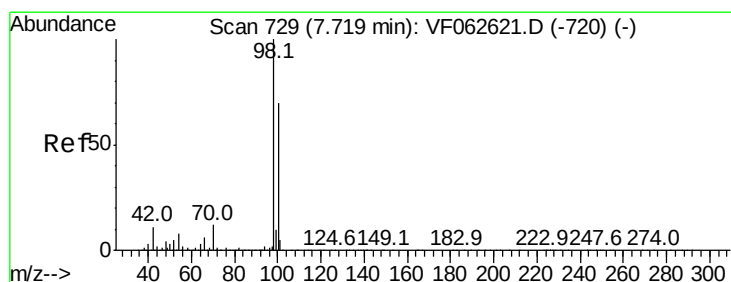
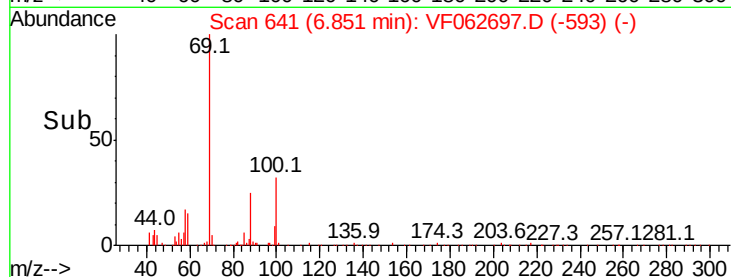
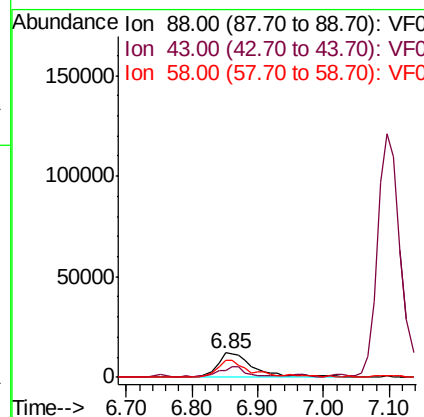
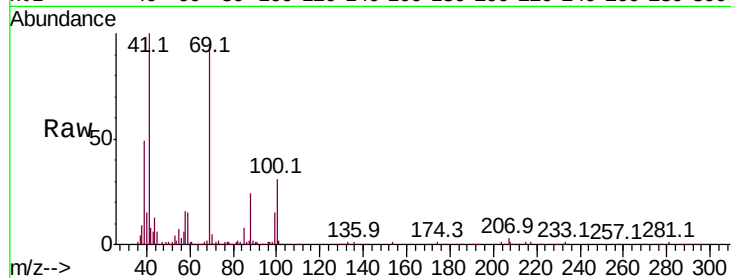
#49
1,4-Dioxane
Concen: 922.059 ug/l
RT: 6.85 min Scan# 641
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.1	30.0	45.0#
58	68.6	51.1	76.7

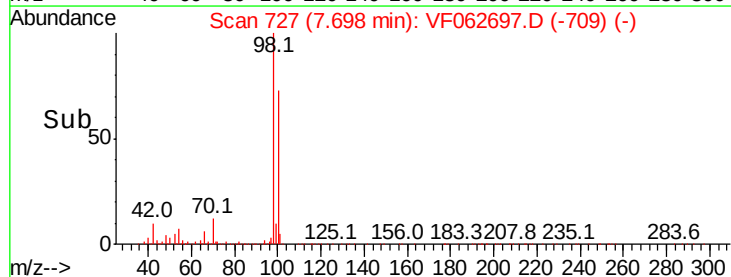
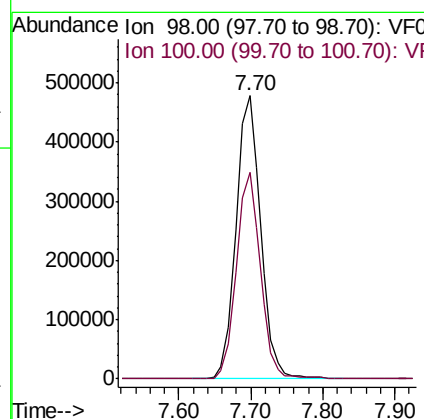
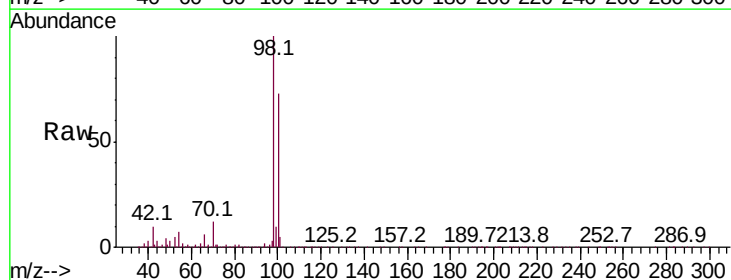
Manual Integrations
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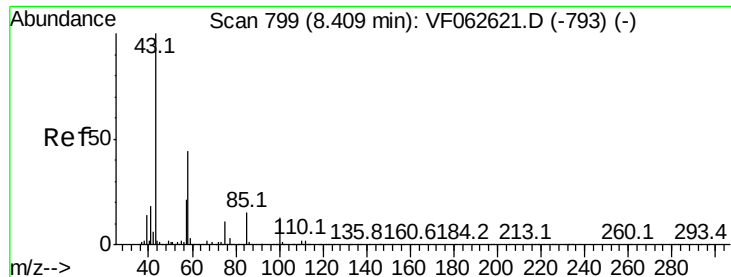
MMDadoda
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#50
Toluene-d8
Concen: 43.844 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.0	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 201.253 ug/l

RT: 8.39 min Scan# 797

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1065285

Ion Ratio Lower Upper

43 100

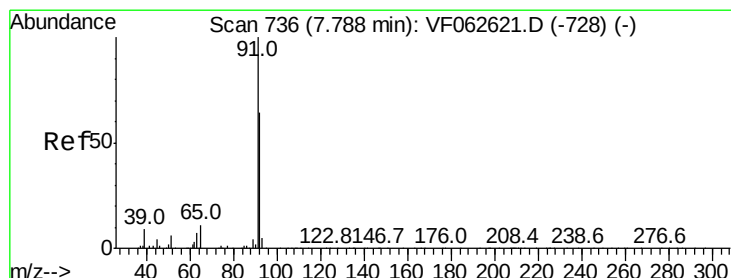
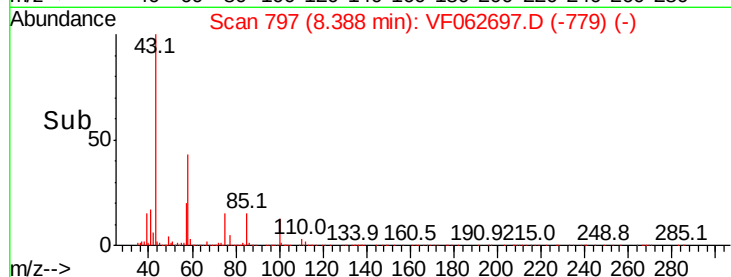
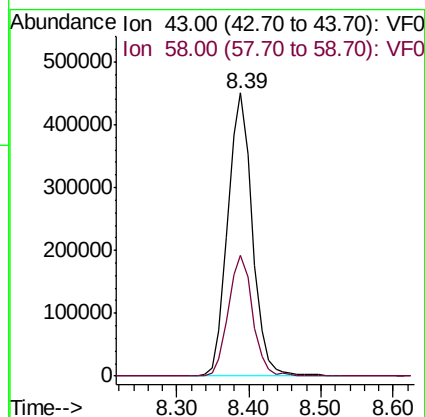
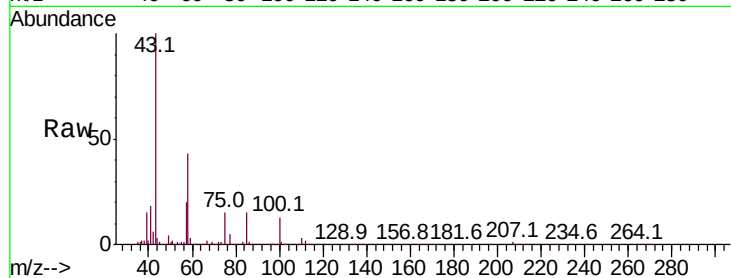
58 42.8 34.9 52.3

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#52

Toluene

Concen: 47.895 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.02 min

Lab File: VF062697.D

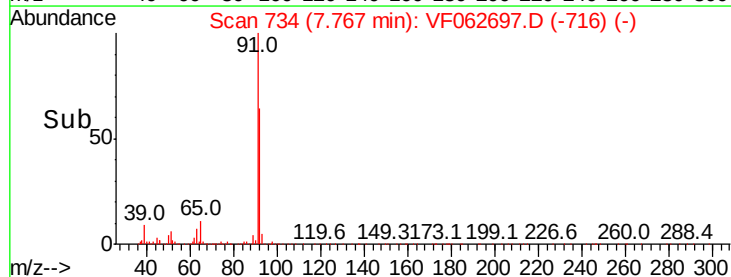
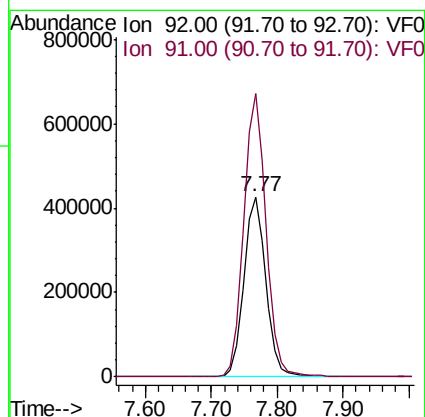
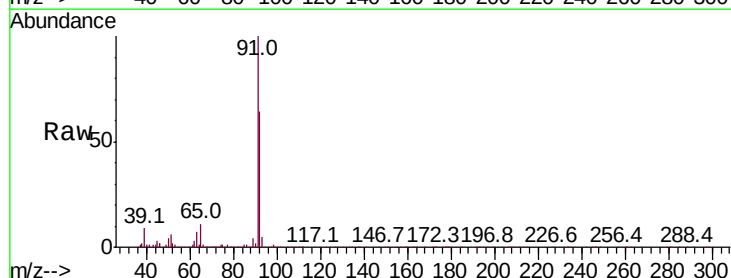
Acq: 22 May 2019 10:23

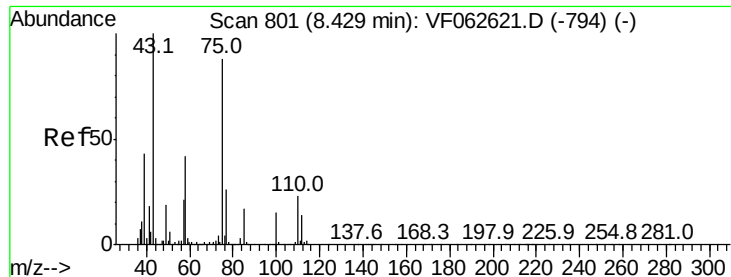
Tgt Ion: 92 Resp: 1001773

Ion Ratio Lower Upper

92 100

91 157.1 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 47.628 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 470661

Ion Ratio Lower Upper

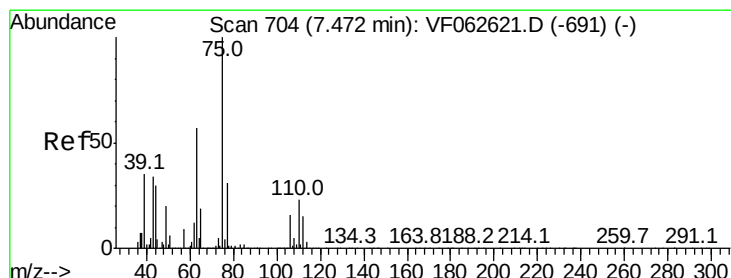
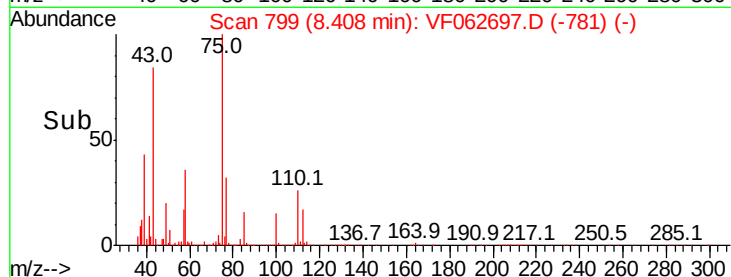
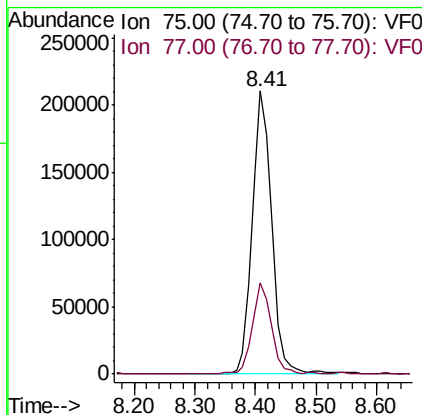
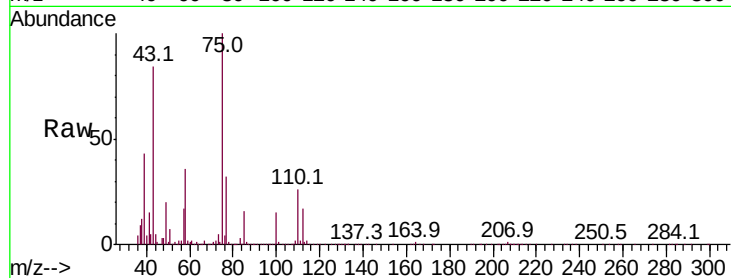
75 100

77 32.1 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 50.030 ug/l

RT: 7.44 min Scan# 701

Delta R.T. -0.03 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

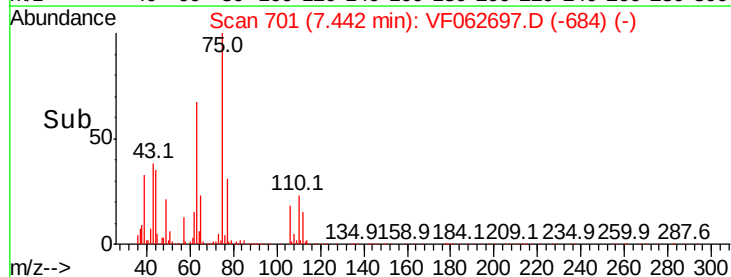
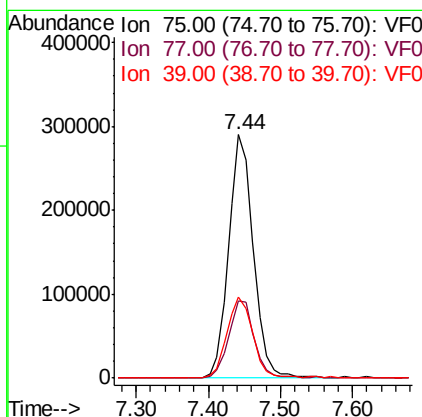
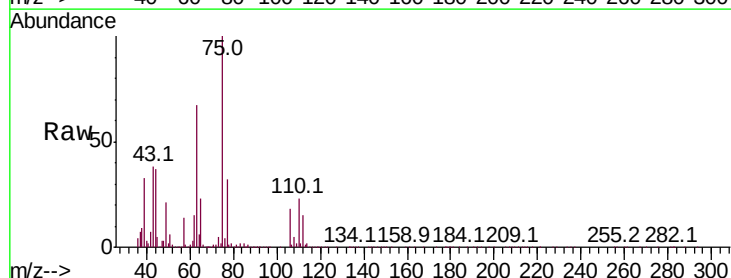
Tgt Ion: 75 Resp: 692074

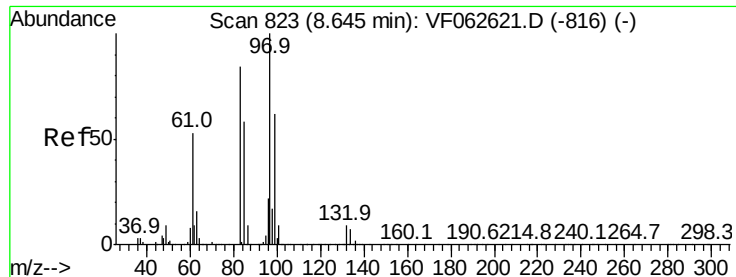
Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9

39 33.3 28.2 42.2





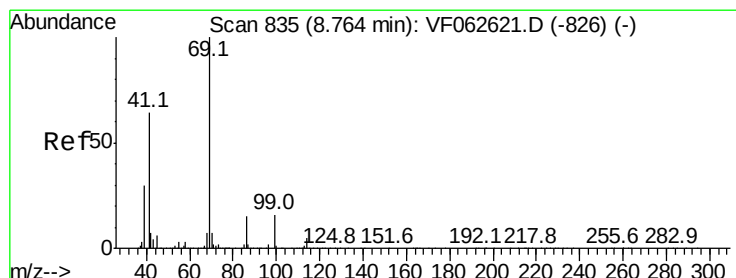
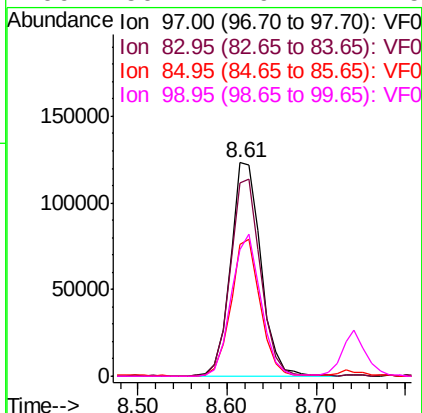
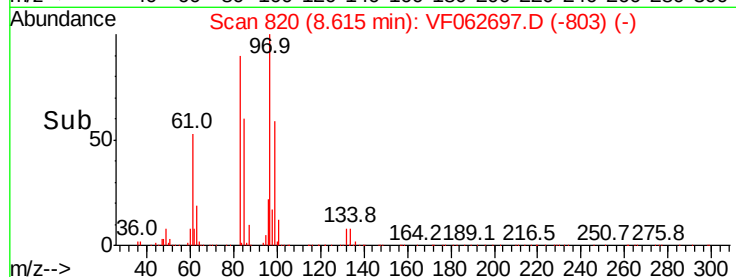
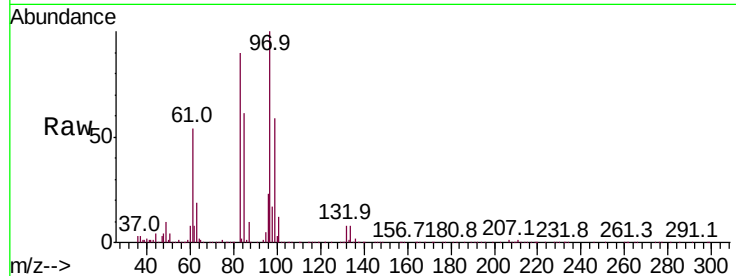
#55
 1,1,2-Trichloroethane
 Concen: 47.396 ug/l
 RT: 8.61 min Scan# 820
 Delta R.T. -0.03 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
97	100	293521		
83	90.2	67.3	100.9	
85	61.4	46.6	69.8	
99	59.1	49.7	74.5	

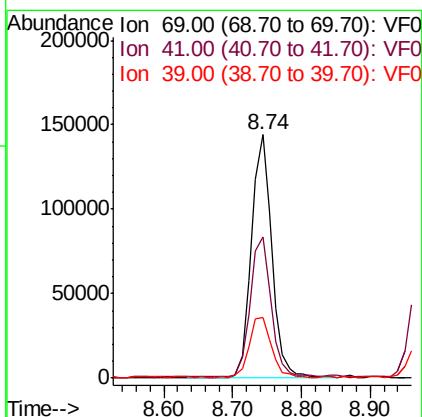
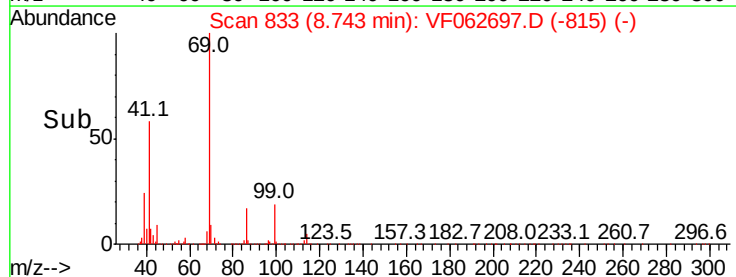
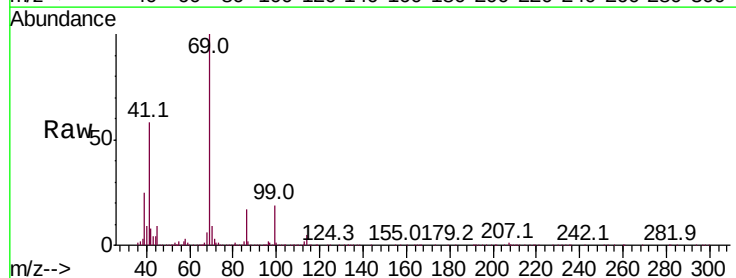
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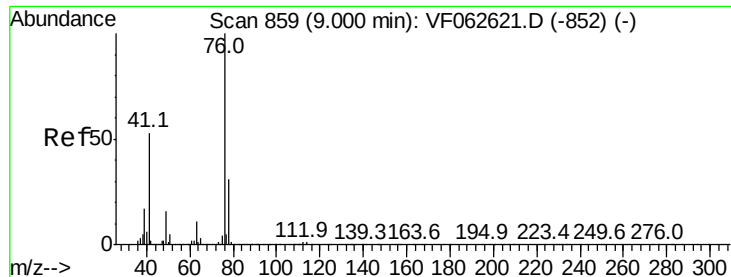
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#56
 Ethyl methacrylate
 Concen: 40.513 ug/l
 RT: 8.74 min Scan# 833
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	298914		
41	58.2	51.4	77.2	
39	24.8	23.6	35.4	





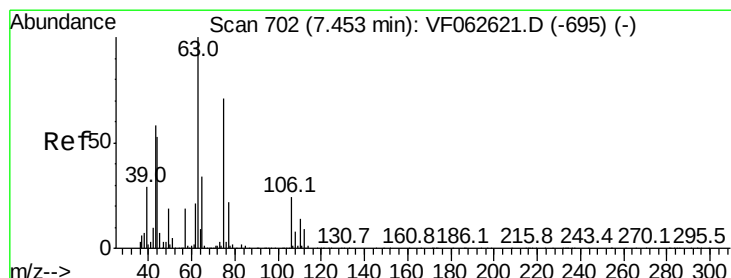
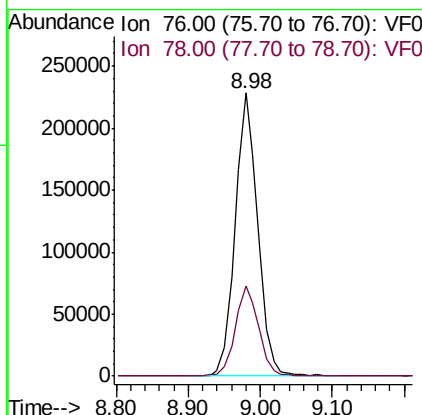
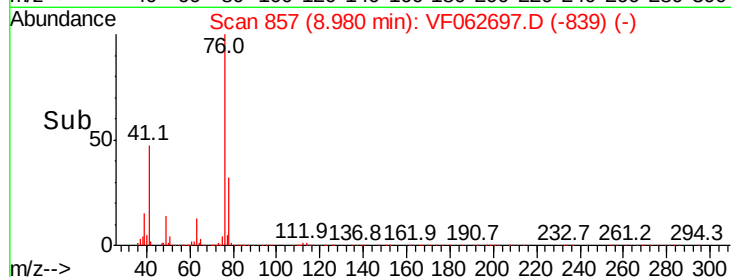
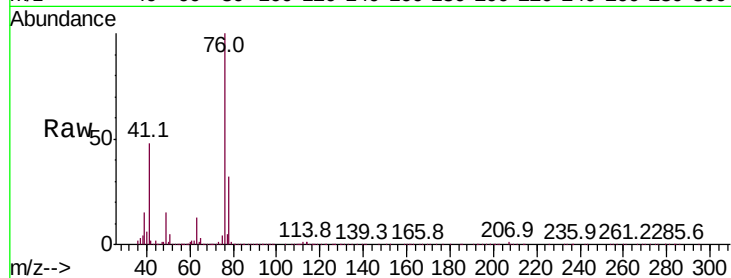
#57
 1,3-Dichloropropane
 Concen: 47.274 ug/l
 RT: 8.98 min Scan# 857
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0

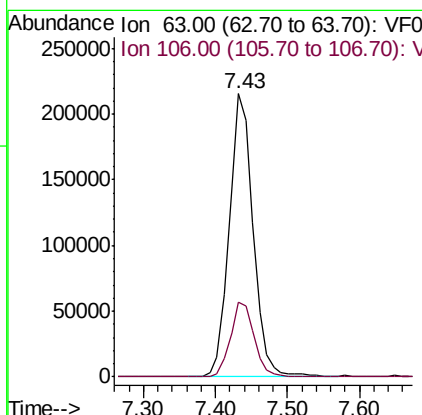
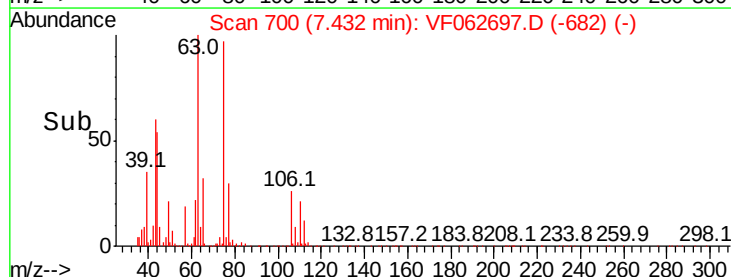
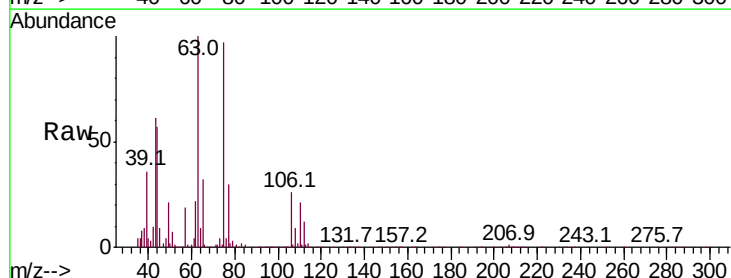
Manual Integrations
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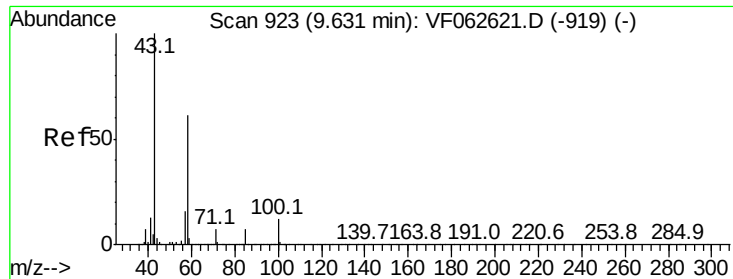
MMDadoda
 5/23/2019 12:15:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 205.627 ug/l
 RT: 7.43 min Scan# 700
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	19.1	28.7





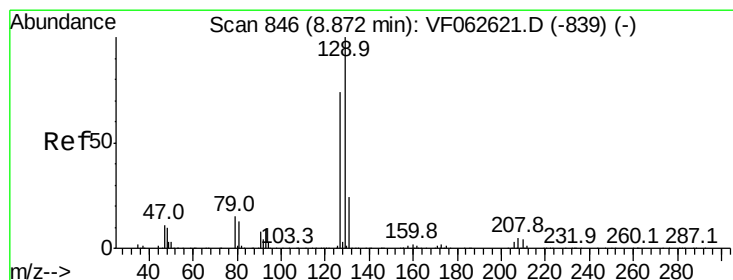
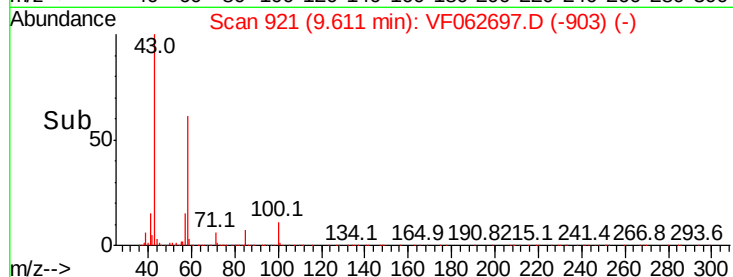
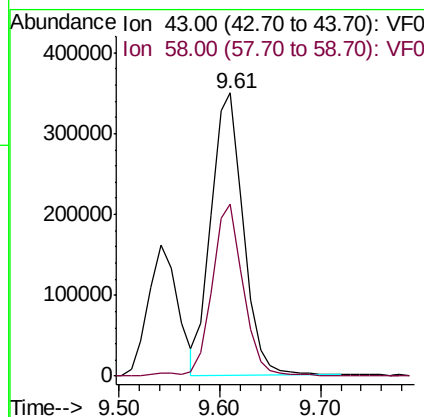
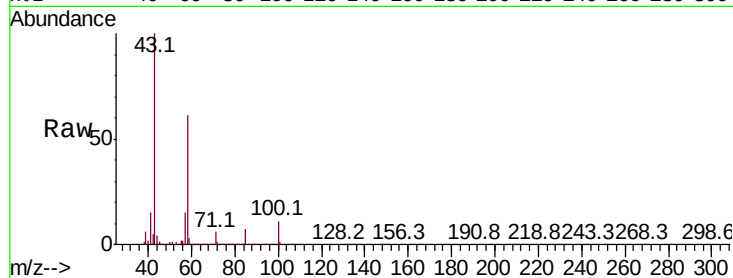
#59
2-Hexanone
Concen: 223.514 ug/l
RT: 9.61 min Scan# 921
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	60.9	28.1	84.4

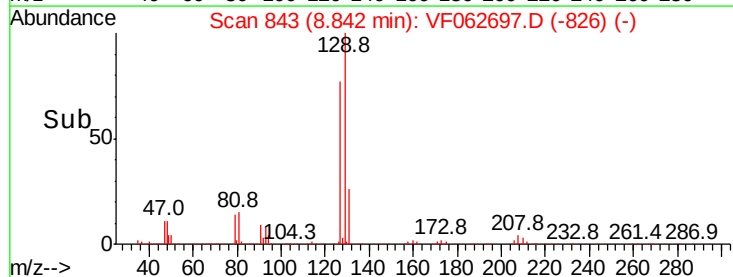
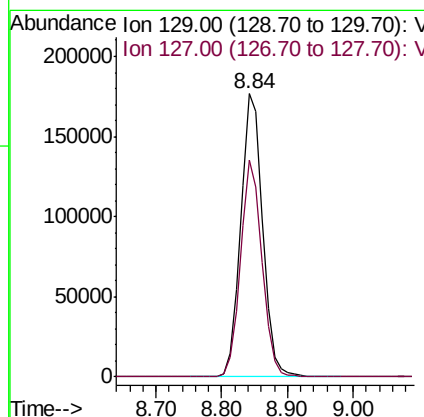
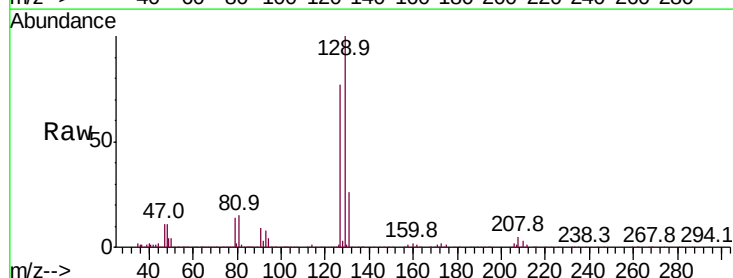
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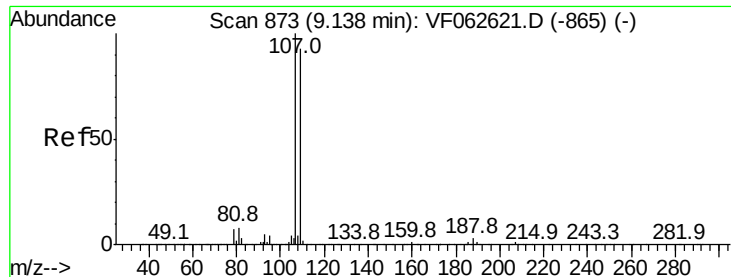
MMDadoda
5/23/2019 12:15:58 PM



#60
Dibromochloromethane
Concen: 51.323 ug/l
RT: 8.84 min Scan# 843
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.5	37.2	111.6





#61

1,2-Dibromoethane

Concen: 46.758 ug/l

RT: 9.12 min Scan# 871

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 307571

Ion Ratio Lower Upper

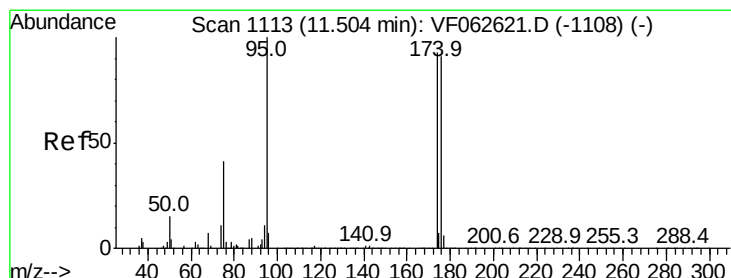
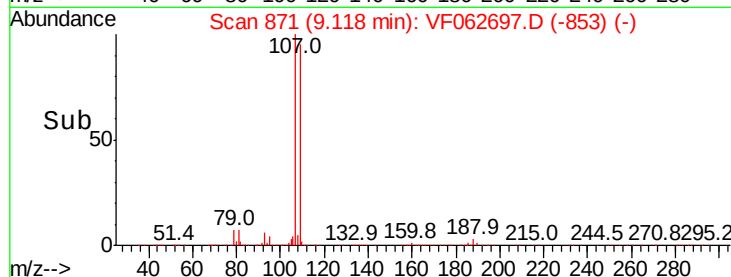
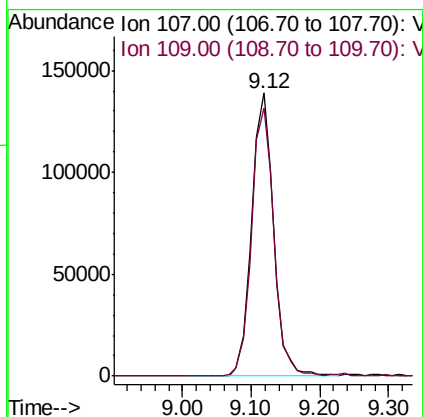
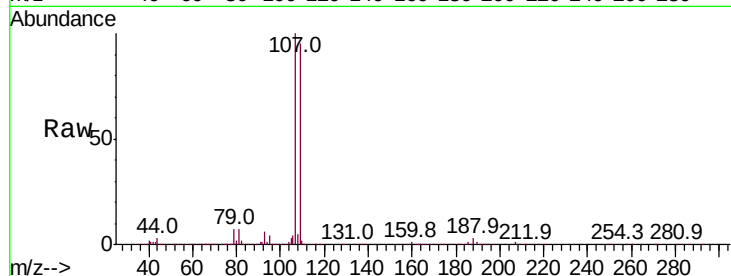
107 100

109 94.8 74.8 112.2

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 41.320 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

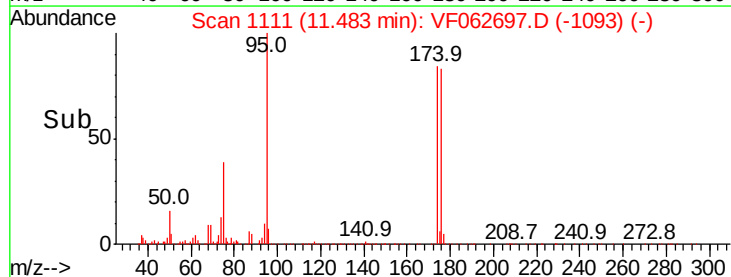
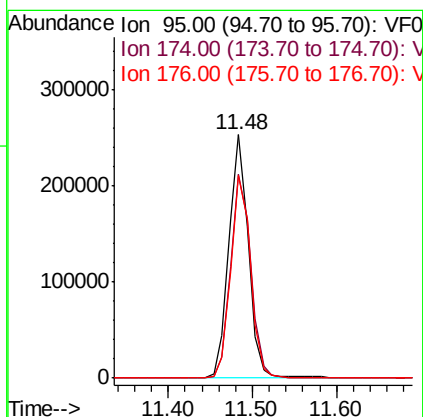
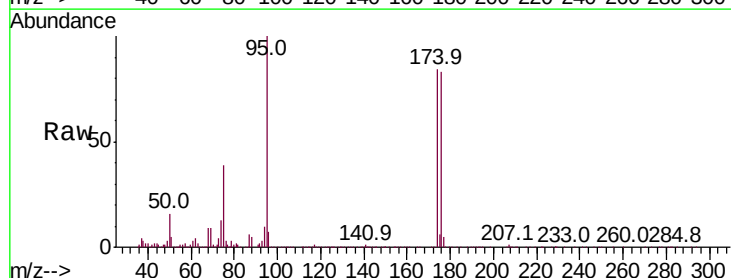
Tgt Ion: 95 Resp: 409054

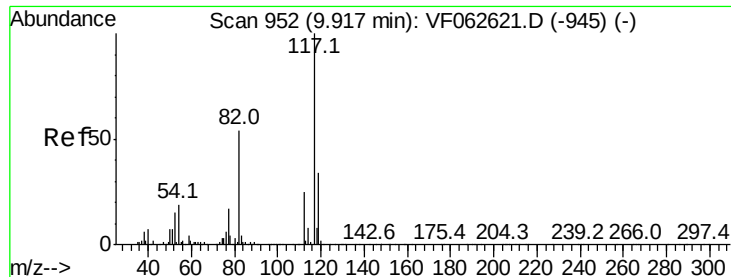
Ion Ratio Lower Upper

95 100

174 83.8 0.0 185.6

176 83.1 0.0 182.4





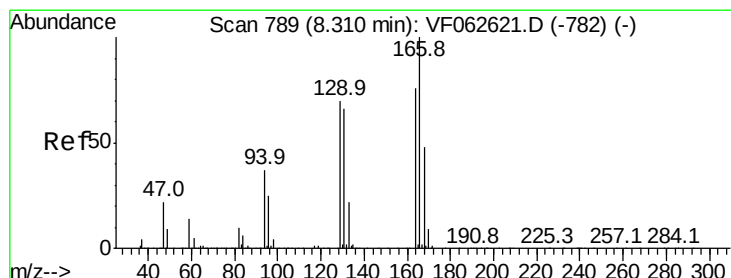
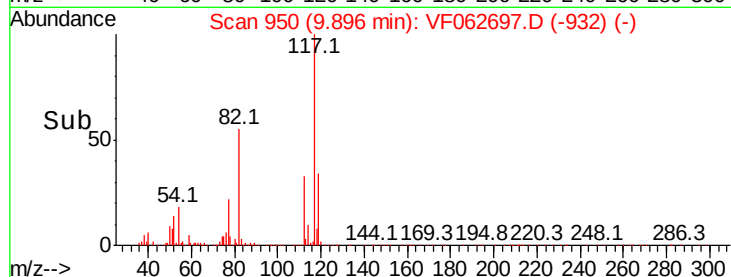
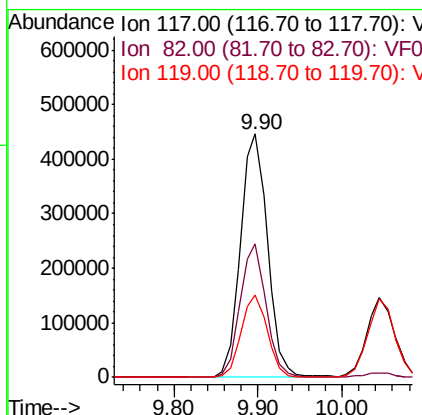
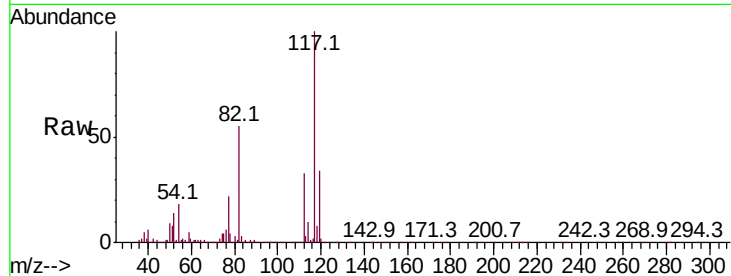
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 950
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 1002423
Ion Ratio Lower Upper
117 100
82 55.1 43.3 64.9
119 33.7 27.4 41.0

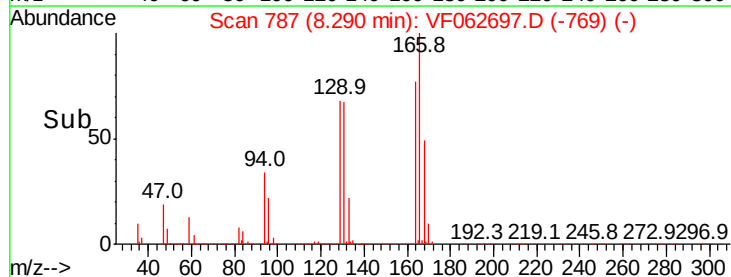
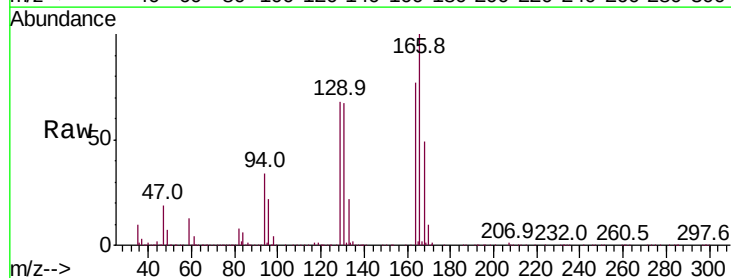
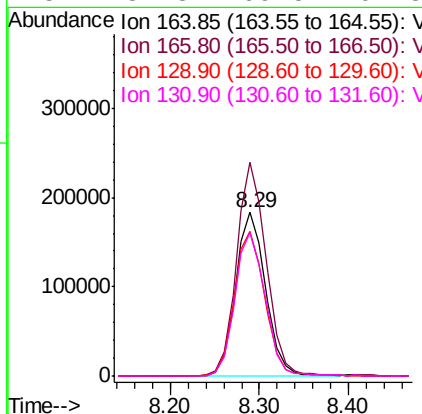
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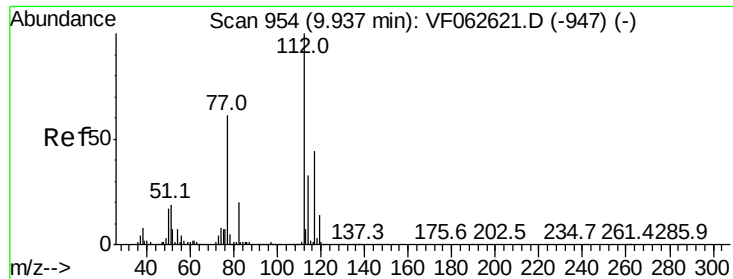
MMDadoda
5/23/2019 12:15:58 PM



#64
Tetrachloroethene
Concen: 53.934 ug/l
RT: 8.29 min Scan# 787
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:164 Resp: 428316
Ion Ratio Lower Upper
164 100
166 130.5 105.5 158.3
129 88.3 73.8 110.6
131 87.3 69.5 104.3





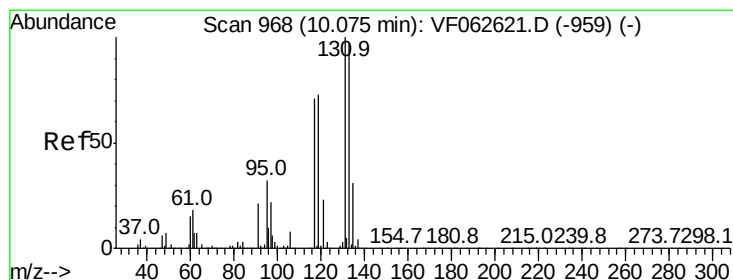
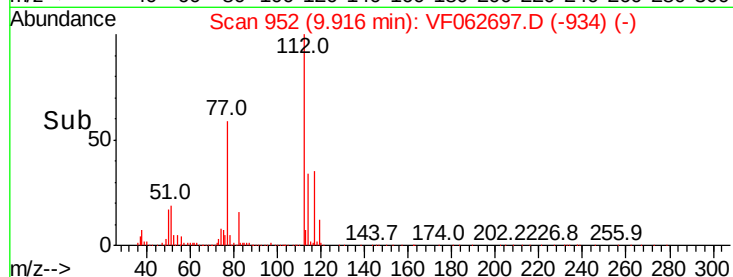
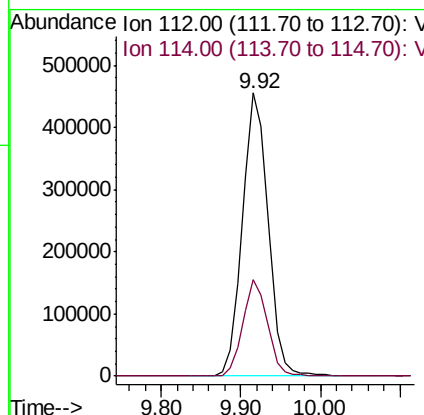
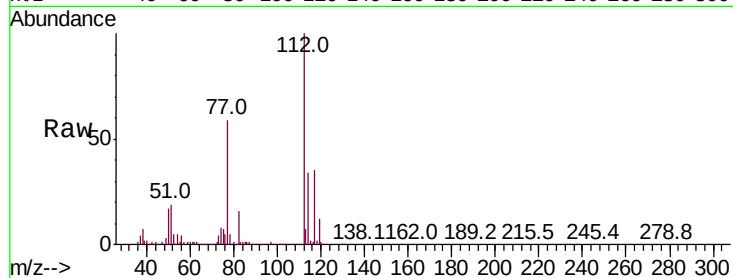
#65
Chlorobenzene
Concen: 51.493 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1013819
Ion Ratio Lower Upper
112 100
114 34.0 26.8 40.2

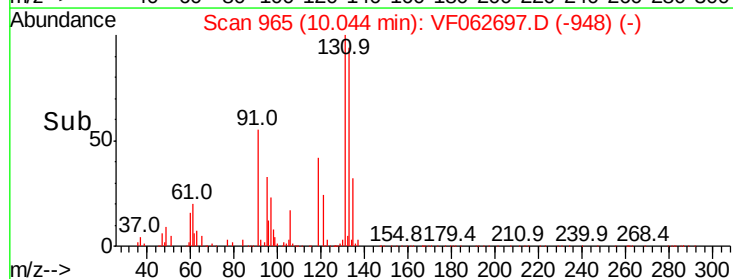
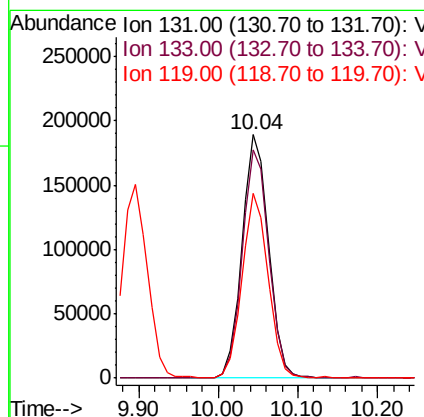
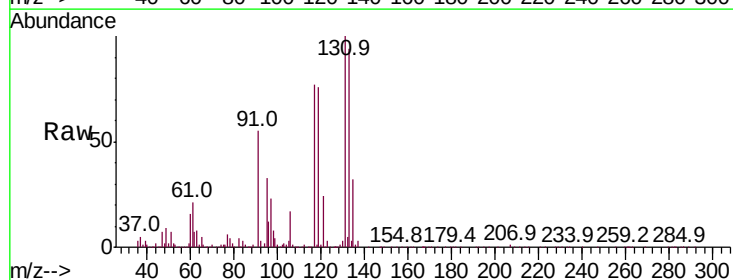
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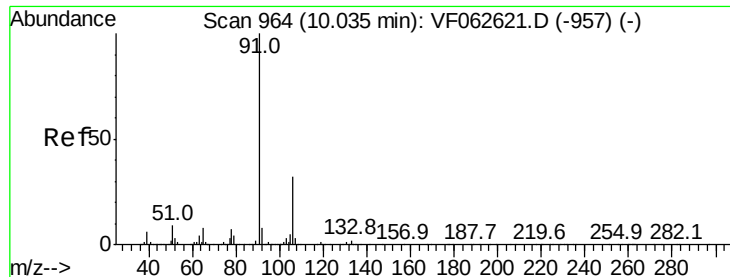
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.833 ug/l
RT: 10.04 min Scan# 965
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion:131 Resp: 433392
Ion Ratio Lower Upper
131 100
133 93.7 48.5 145.5
119 75.8 36.8 110.4





#67

Ethyl Benzene

Concen: 51.307 ug/l

RT: 10.01 min Scan# 962

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1754863

Ion Ratio Lower Upper

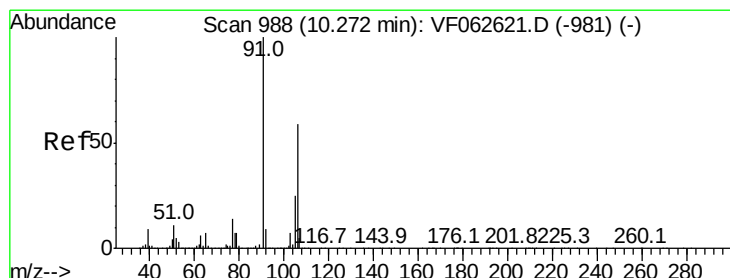
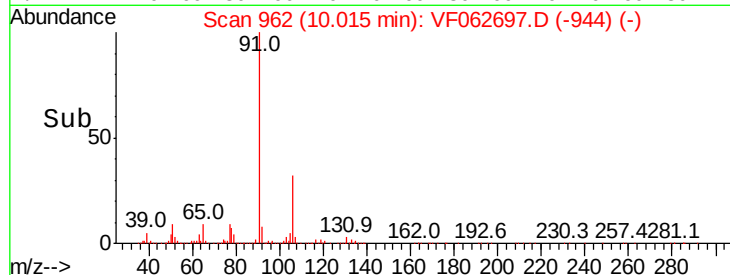
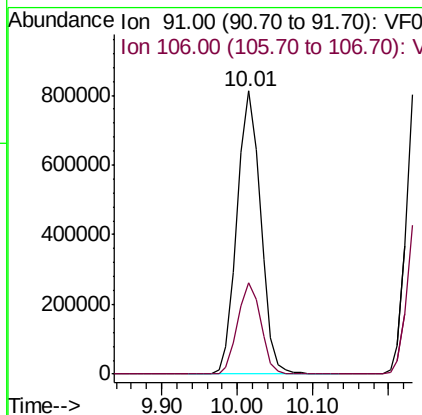
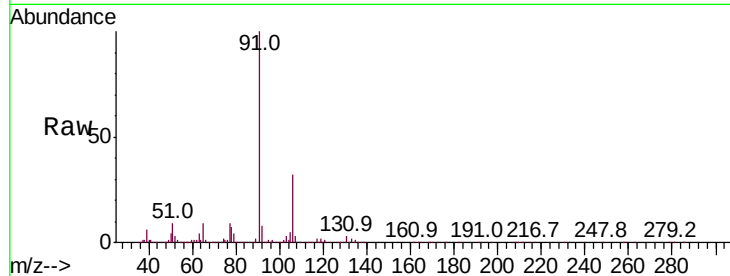
91 100

106 32.5 25.8 38.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 102.554 ug/l

RT: 10.24 min Scan# 985

Delta R.T. -0.03 min

Lab File: VF062697.D

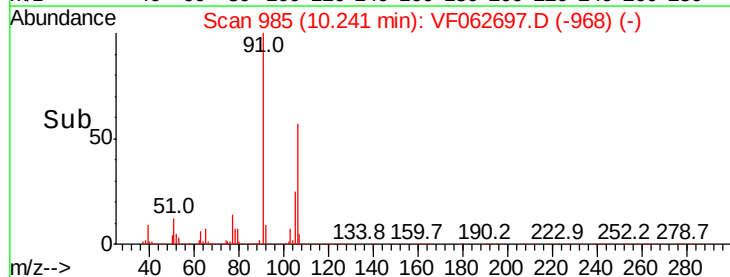
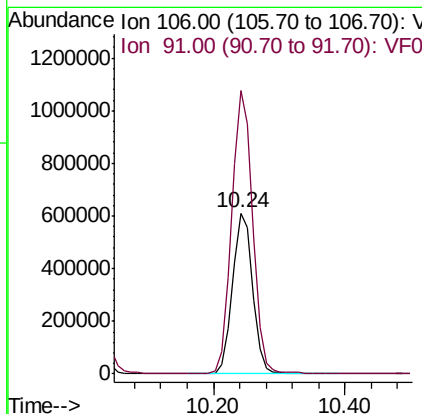
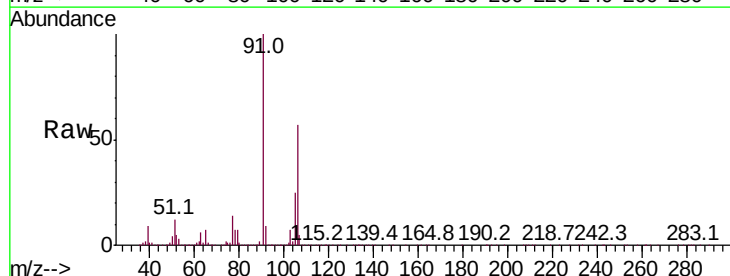
Acq: 22 May 2019 10:23

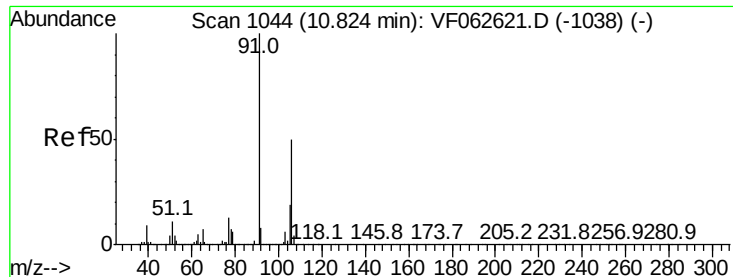
Tgt Ion: 106 Resp: 1318341

Ion Ratio Lower Upper

106 100

91 176.0 136.9 205.3





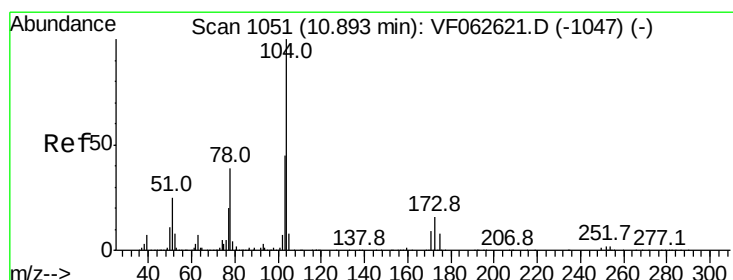
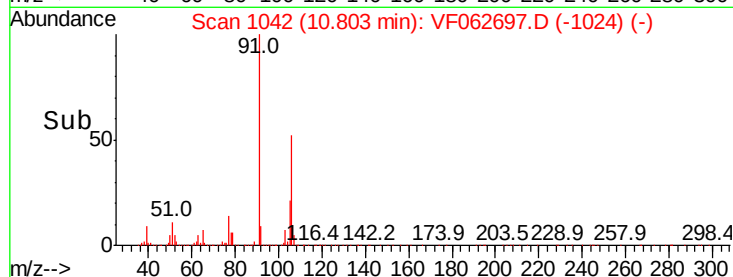
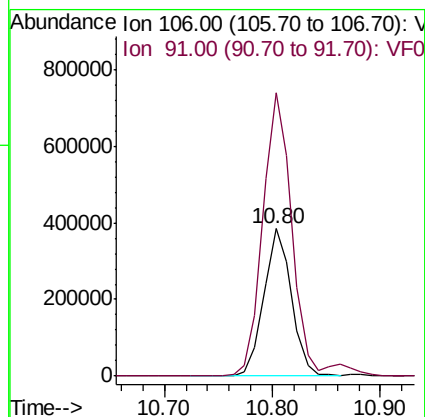
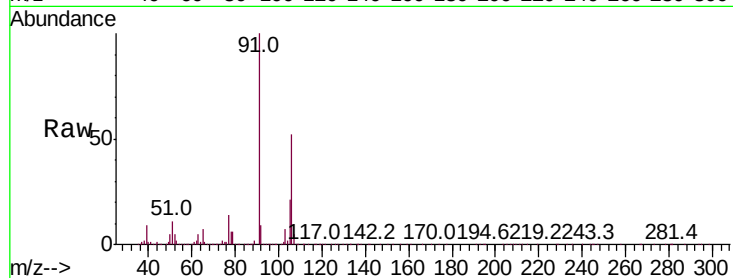
#69
o-Xylene
Concen: 51.991 ug/l
RT: 10.80 min Scan# 1042
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	192.4	100.2	300.5

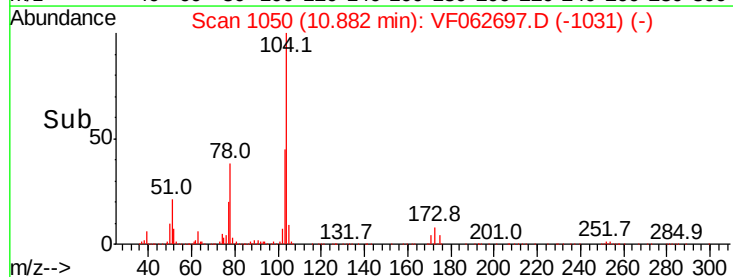
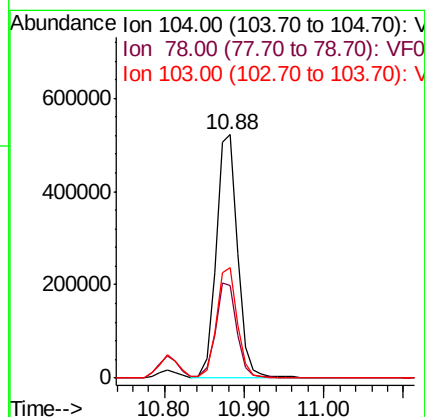
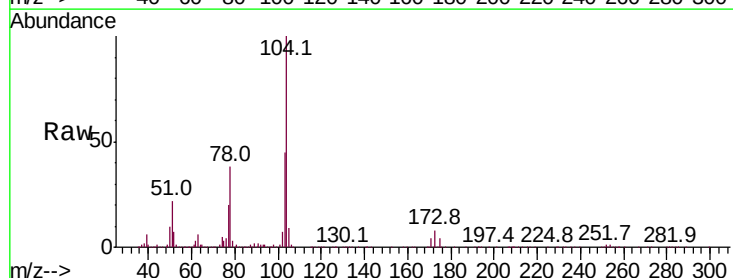
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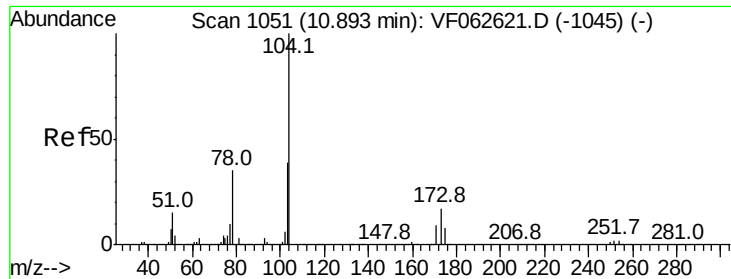
MMDadoda
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#70
Styrene
Concen: 49.036 ug/l
RT: 10.88 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	38.0	31.9	47.9
103	45.4	36.1	54.1





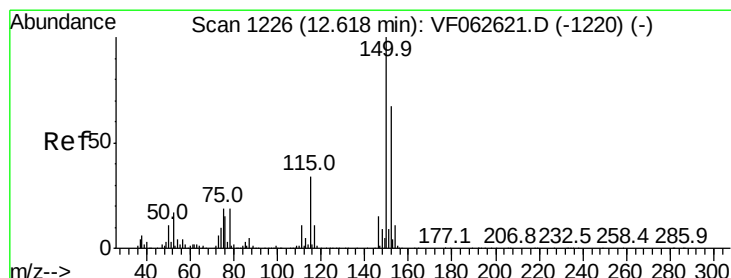
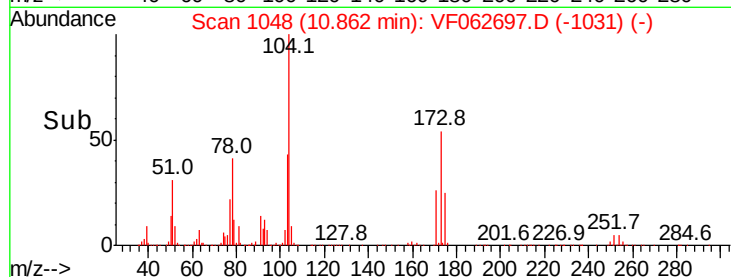
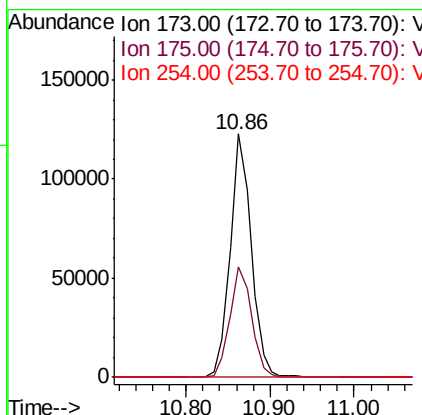
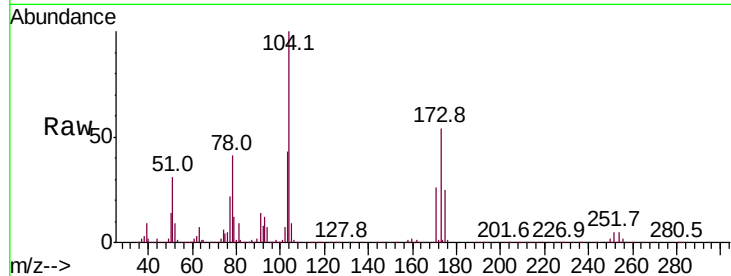
#71
Bromoform
Concen: 54.411 ug/l
RT: 10.86 min Scan# 1048
Delta R.T. -0.03 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	45.5	25.3	75.9
254	0.1	0.2	0.2#

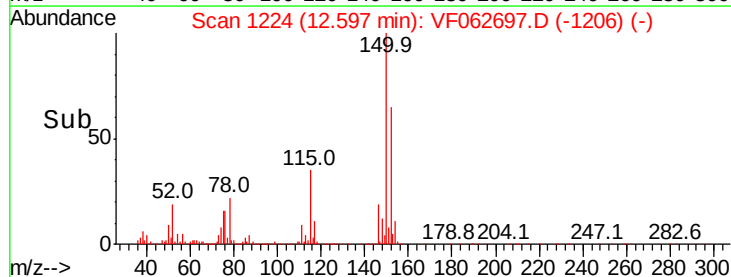
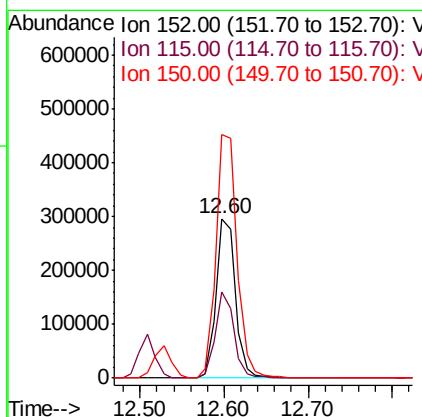
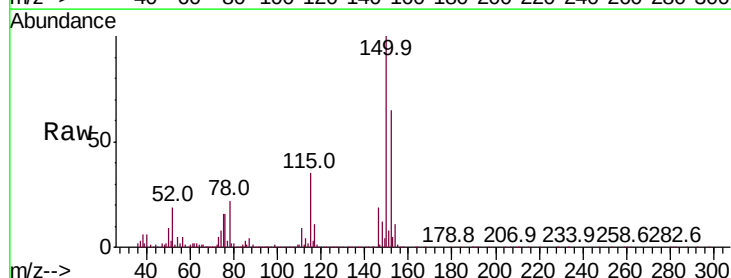
Manual Integrations
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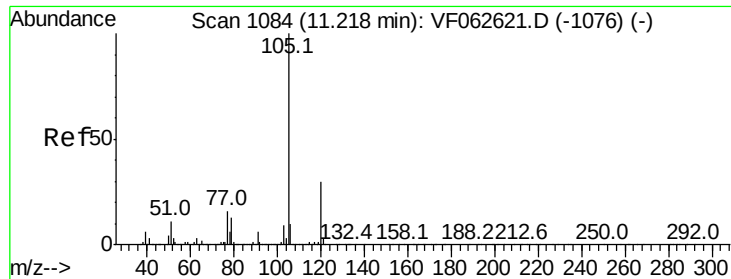
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.60 min Scan# 1224
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	25.2	75.6
150	152.7	0.0	306.2





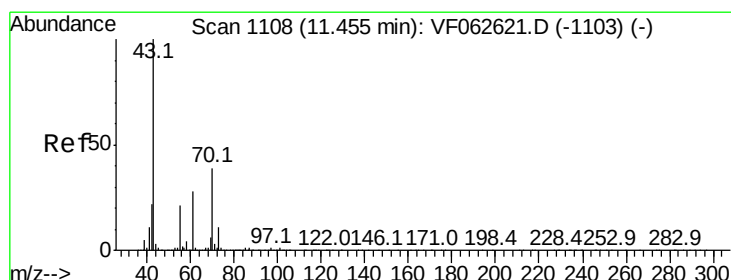
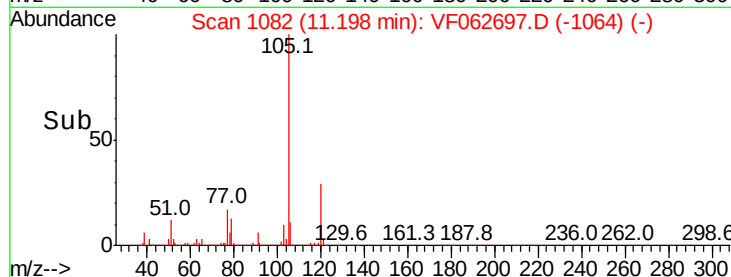
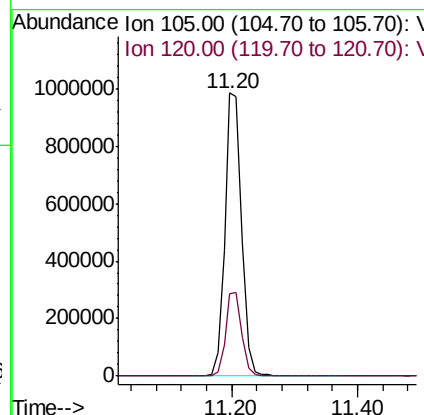
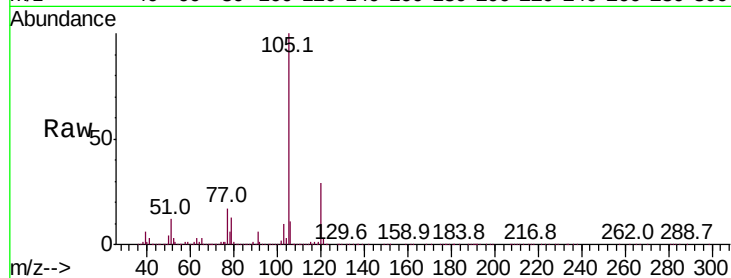
#73
Isopropylbenzene
Concen: 53.565 ug/l
RT: 11.20 min Scan# 1082
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1822558
Ion Ratio Lower Upper
105 100
120 29.1 14.8 44.4

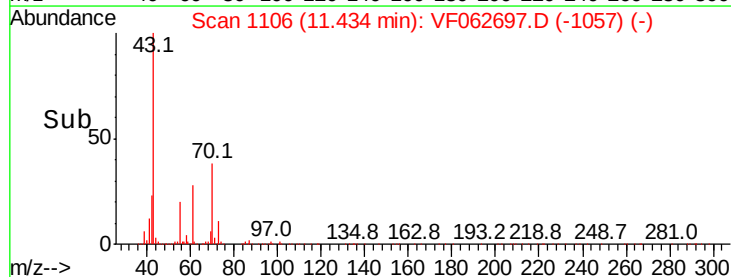
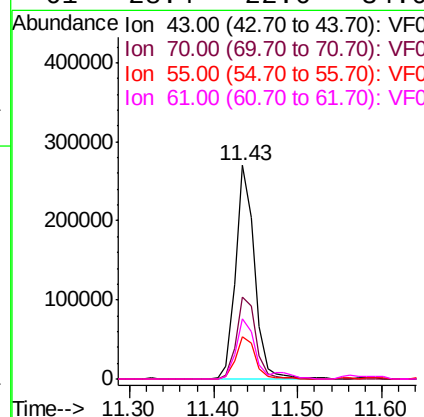
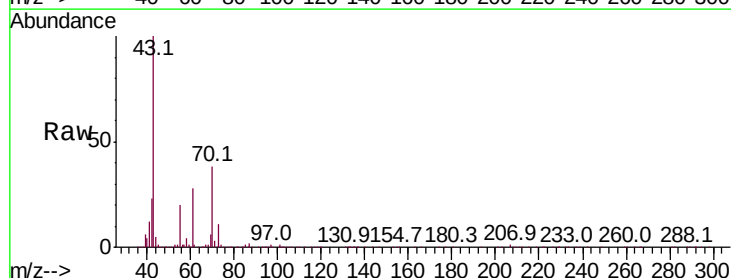
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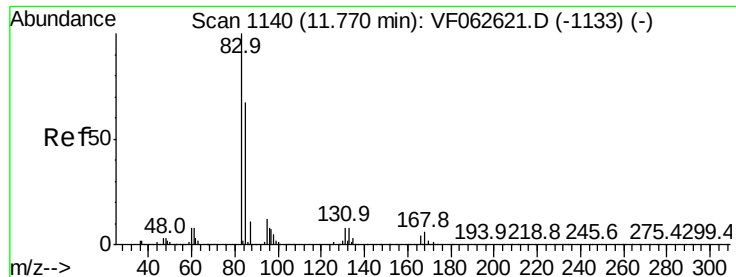
MMDadoda
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#74
N-ethyl acetate
Concen: 48.227 ug/l
RT: 11.43 min Scan# 1106
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion: 43 Resp: 419176
Ion Ratio Lower Upper
43 100
70 38.1 30.9 46.3
55 19.7 17.0 25.4
61 28.4 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 51.875 ug/l

RT: 11.76 min Scan# 1139

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

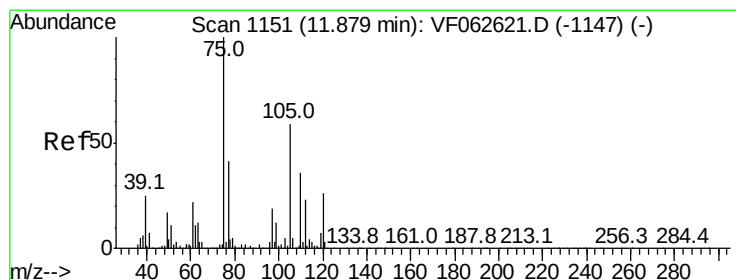
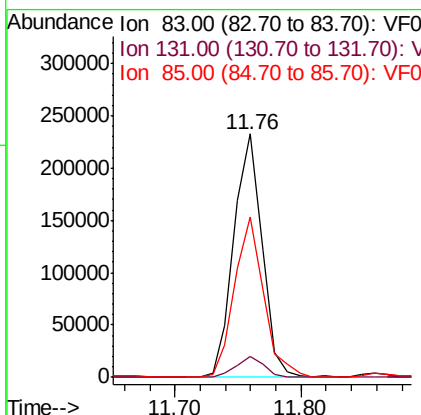
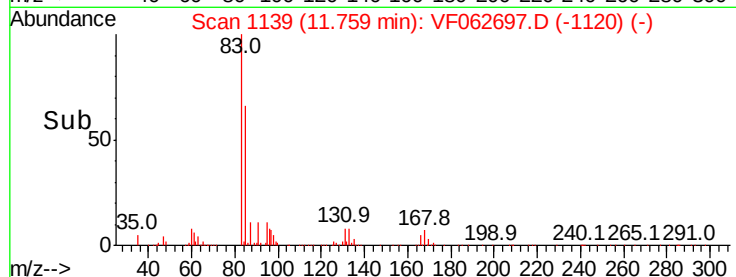
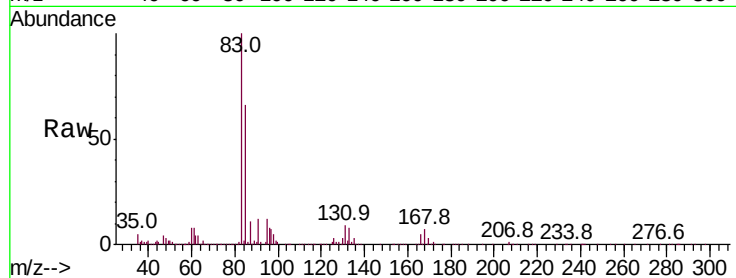
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	360716
Ion Ratio	Lower	Upper	
83	100		
131	8.6	4.0	12.0
85	66.1	33.5	100.5

Manual Integrations
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5/23/2019 12:15:58 PM



#76

1,2,3-Trichloropropane

Concen: 48.977 ug/l

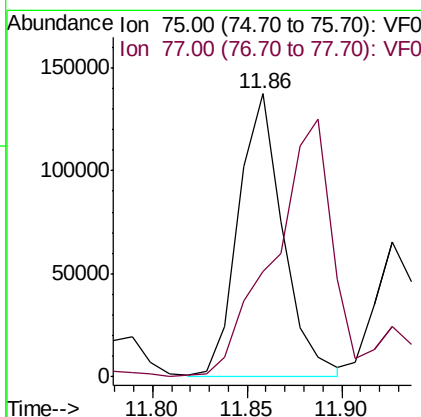
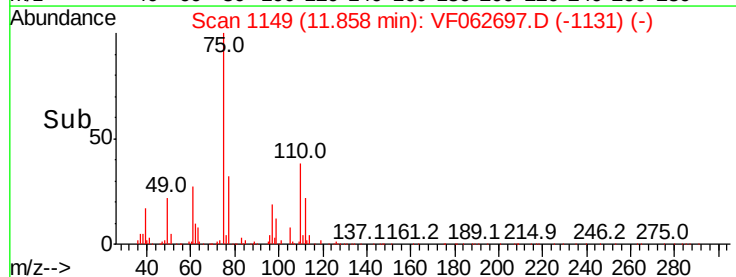
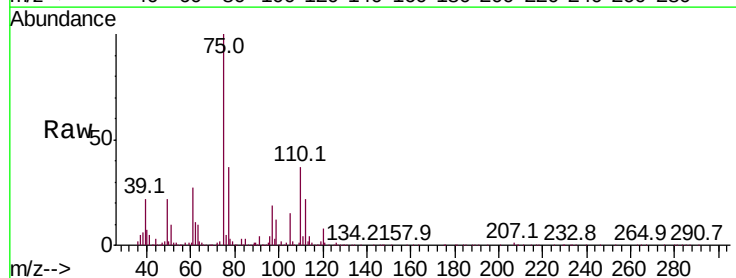
RT: 11.86 min Scan# 1149

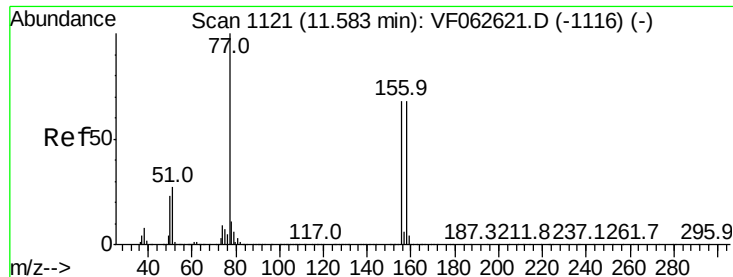
Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion:	75	Resp:	223772
Ion Ratio	Lower	Upper	
75	100		
77	37.4	20.6	61.8





#77

Bromobenzene

Concen: 52.737 ug/l

RT: 11.57 min Scan# 1120

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 446030

Ion Ratio Lower Upper

156 100

77 135.2 73.6 220.8

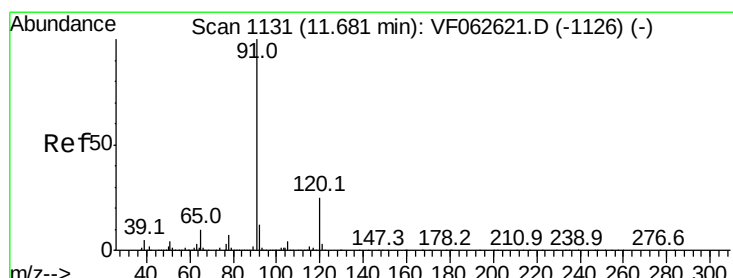
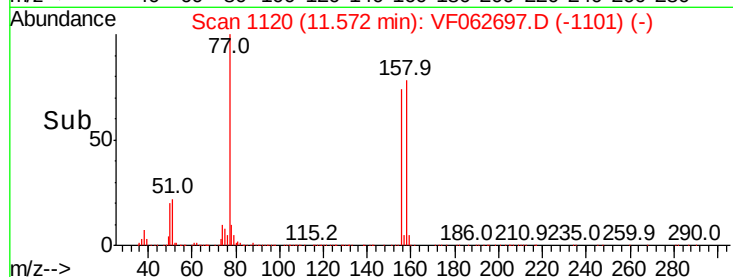
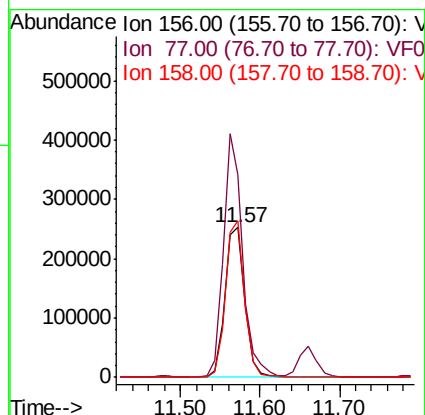
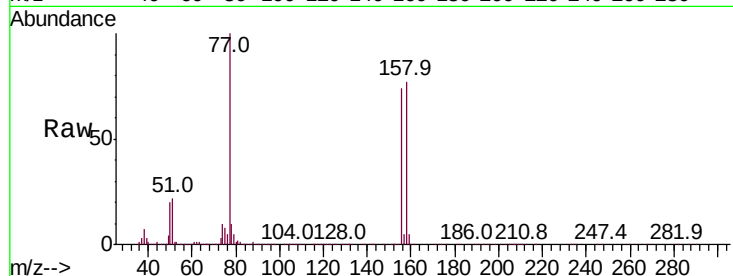
158 104.7 49.6 148.8

Manual Integrations

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#78

n-propylbenzene

Concen: 51.215 ug/l

RT: 11.66 min Scan# 1129

Delta R.T. -0.02 min

Lab File: VF062697.D

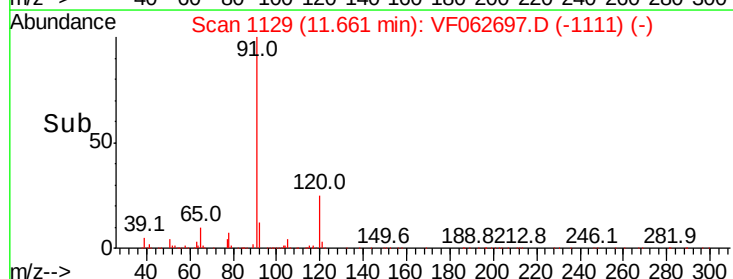
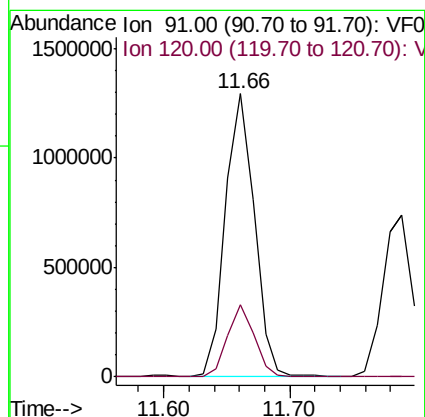
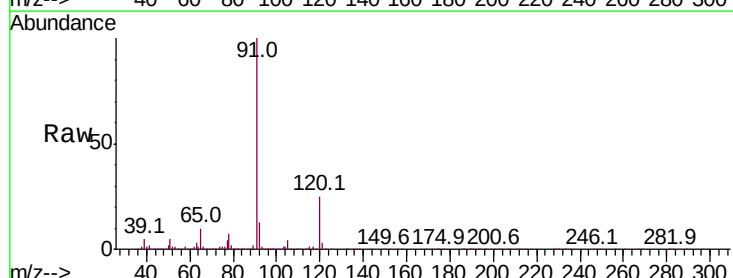
Acq: 22 May 2019 10:23

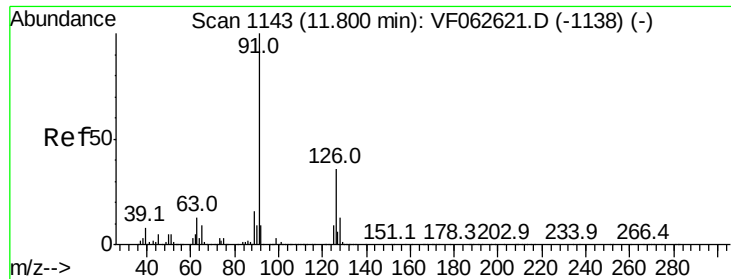
Tgt Ion: 91 Resp: 2062314

Ion Ratio Lower Upper

91 100

120 25.4 12.7 38.1





#79

2-Chlorotoluene

Concen: 53.453 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1213028

Ion Ratio Lower Upper

91 100

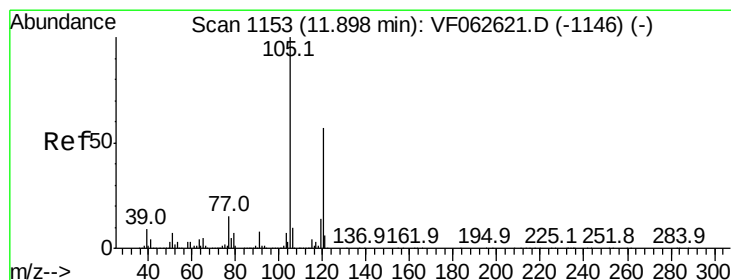
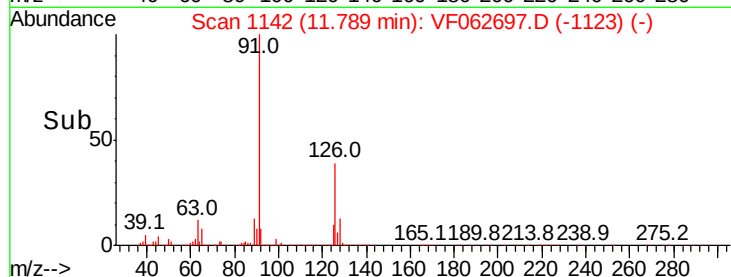
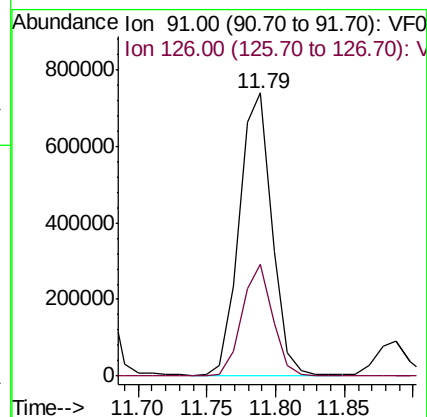
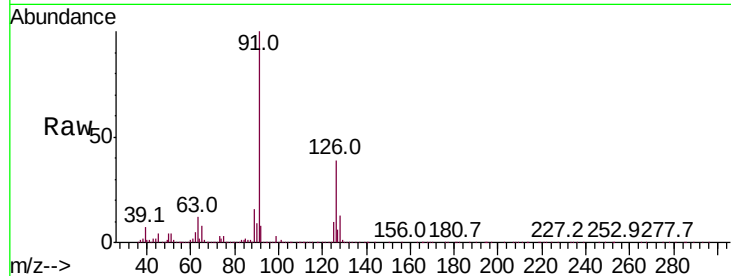
126 39.4 18.1 54.4

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 53.842 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.01 min

Lab File: VF062697.D

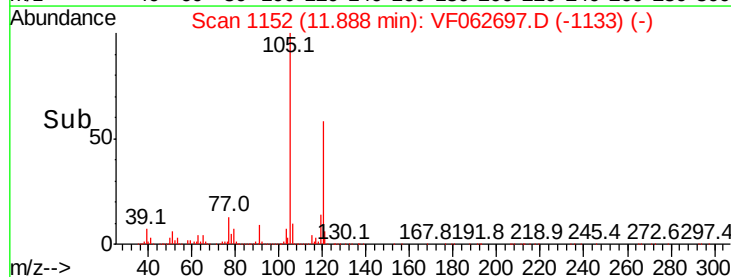
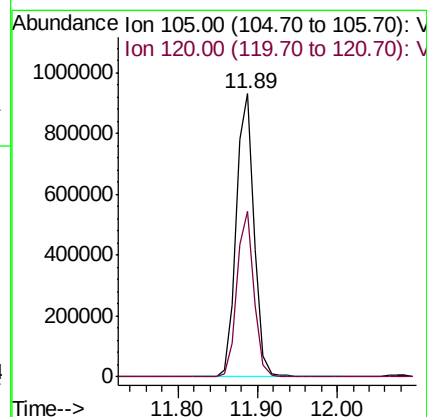
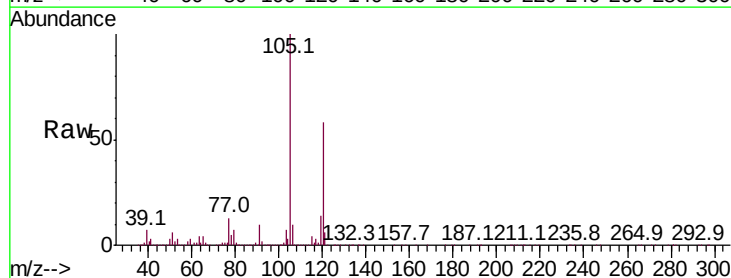
Acq: 22 May 2019 10:23

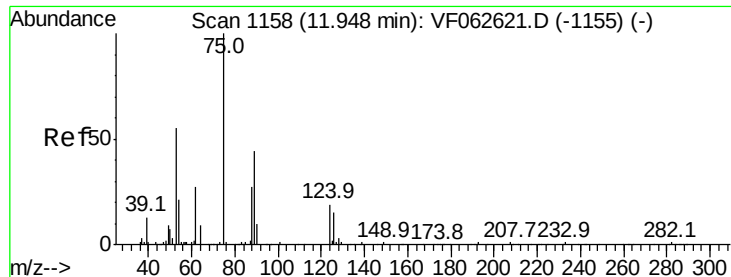
Tgt Ion: 105 Resp: 1468965

Ion Ratio Lower Upper

105 100

120 58.4 28.7 86.3





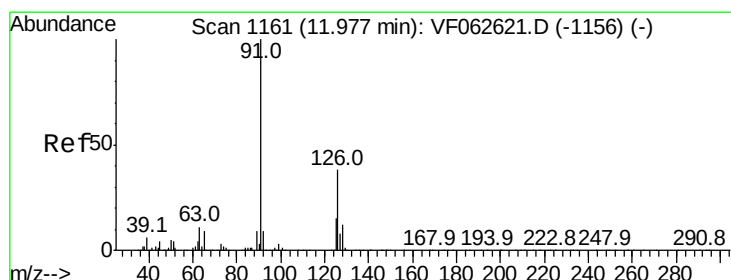
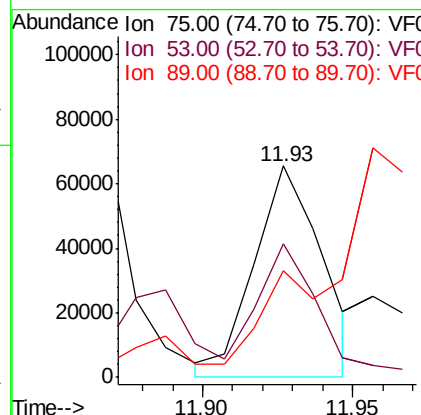
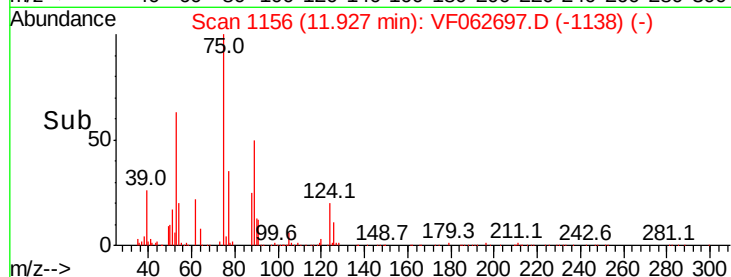
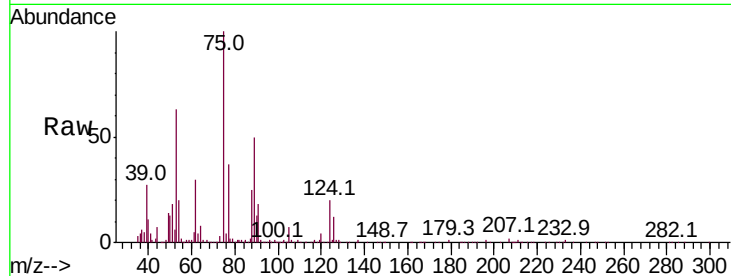
#81
trans-1,4-Dichloro-2-butene
Concen: 50.832 ug/l m
RT: 11.93 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	63.4	46.9	70.3
89	50.5	36.4	54.6

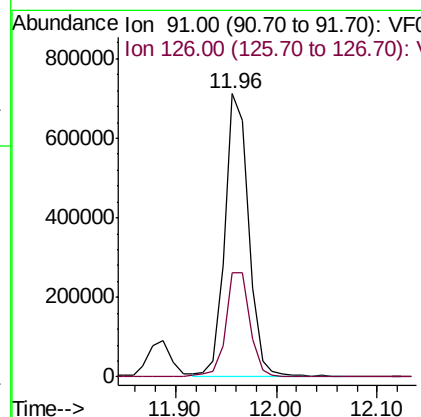
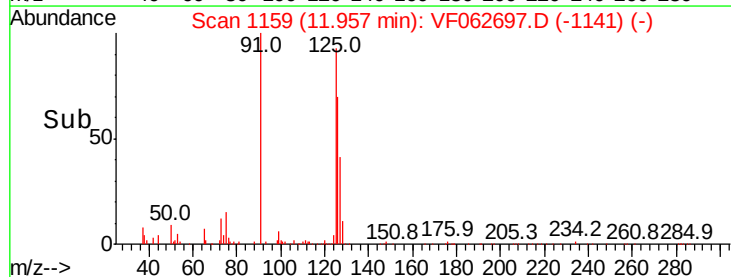
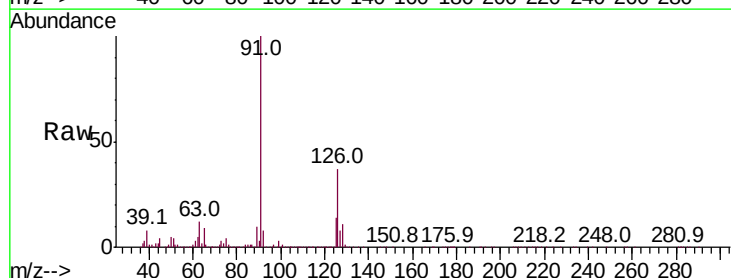
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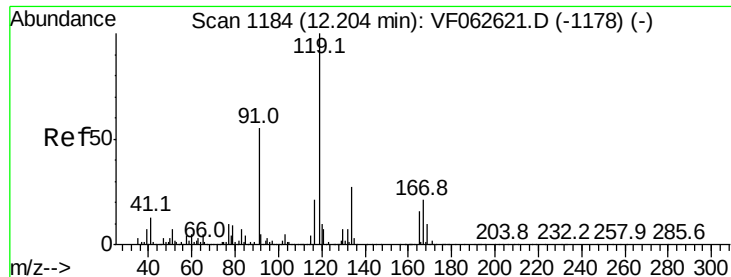
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#82
4-Chlorotoluene
Concen: 51.862 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	19.1	57.1





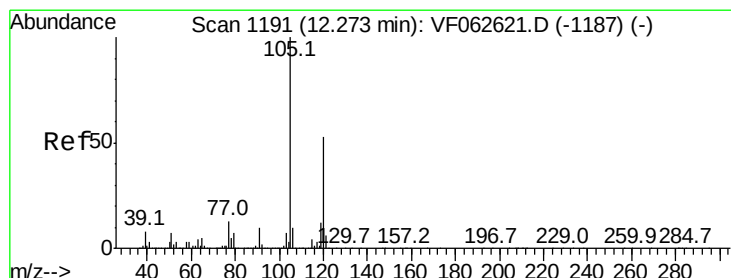
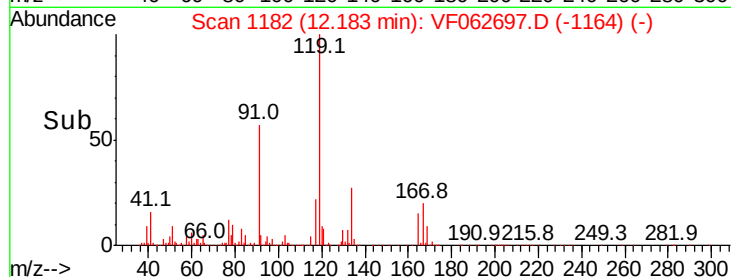
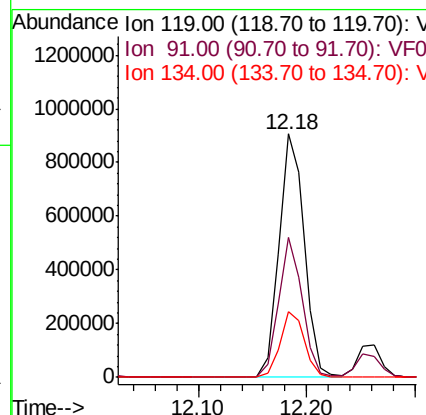
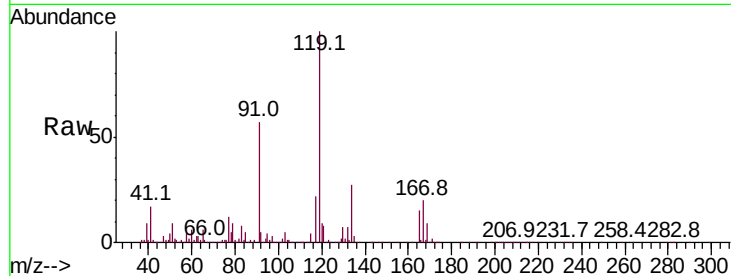
#83
 tert-Butylbenzene
 Concen: 53.665 ug/l
 RT: 12.18 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.5	27.3	81.9
134	26.9	13.6	40.7

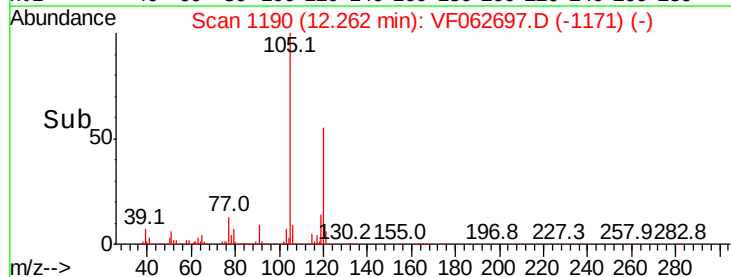
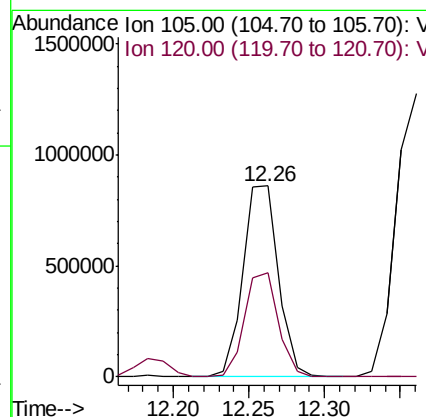
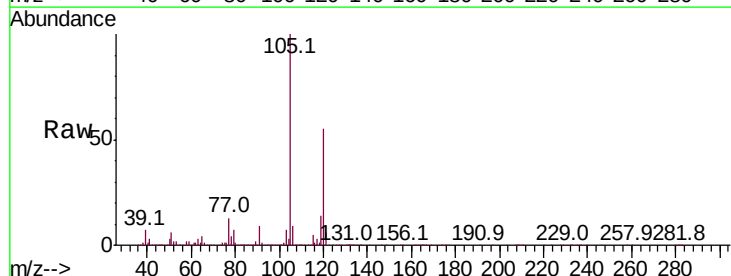
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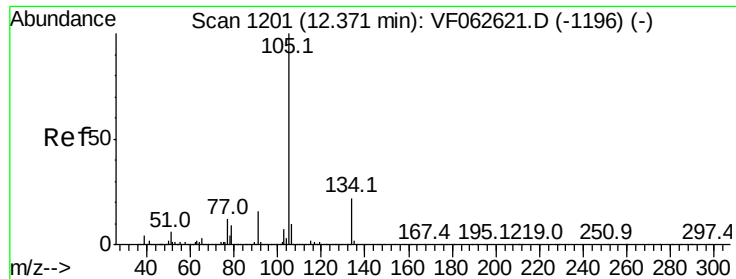
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.040 ug/l
 RT: 12.26 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.8	26.7	80.1





#85

sec-Butylbenzene

Concen: 52.960 ug/l

RT: 12.36 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1967310

Ion Ratio Lower Upper

105 100

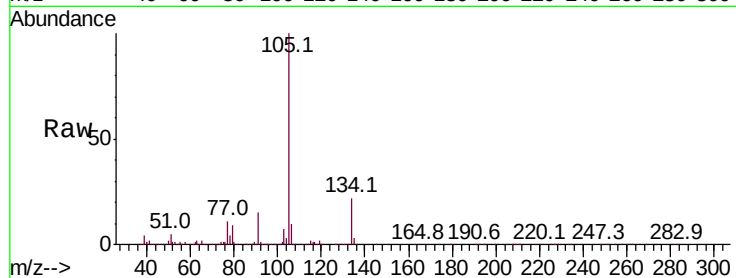
134 22.4 10.8 32.4

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

1500000

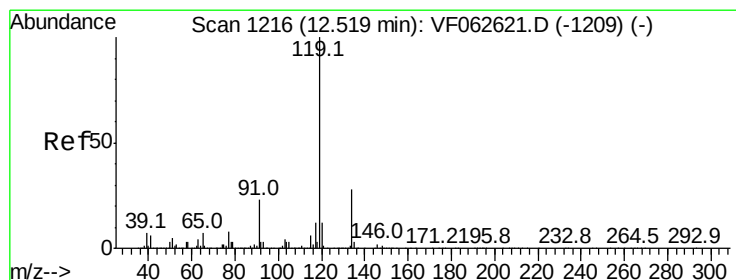
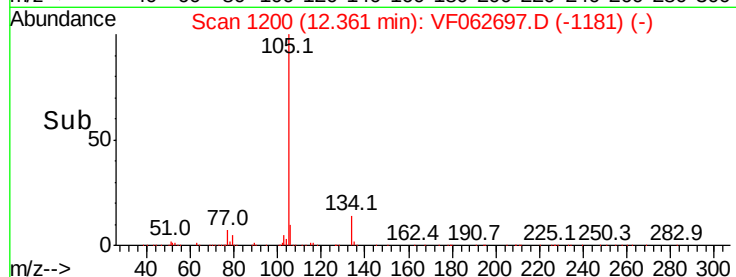
12.36

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 53.250 ug/l

RT: 12.51 min Scan# 1215

Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

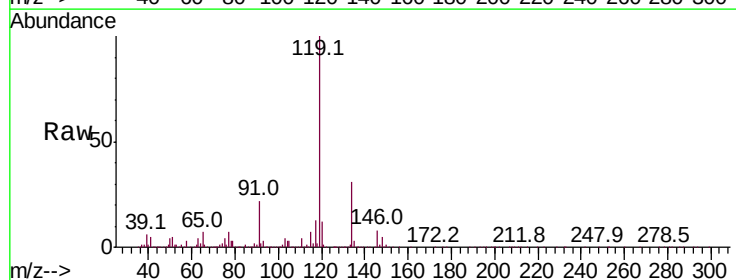
Tgt Ion:119 Resp: 1667042

Ion Ratio Lower Upper

119 100

134 30.8 14.1 42.3

91 21.9 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0

1500000

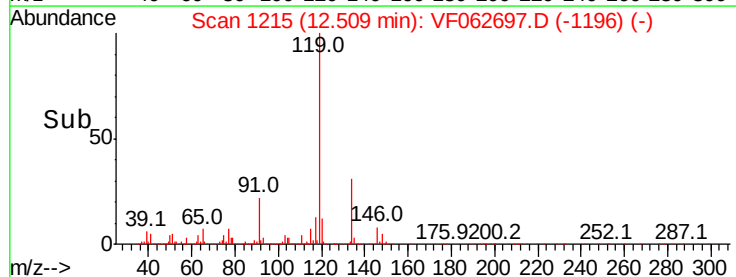
12.51

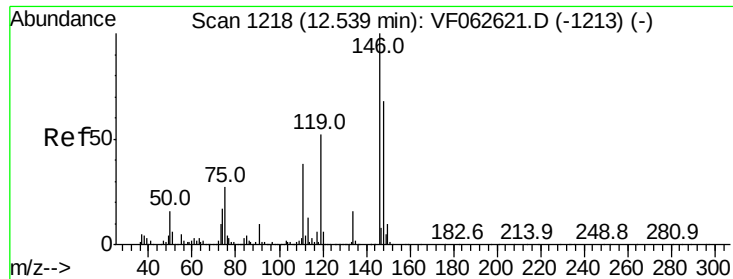
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 51.916 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. -0.01 min

Lab File: VF062697.D

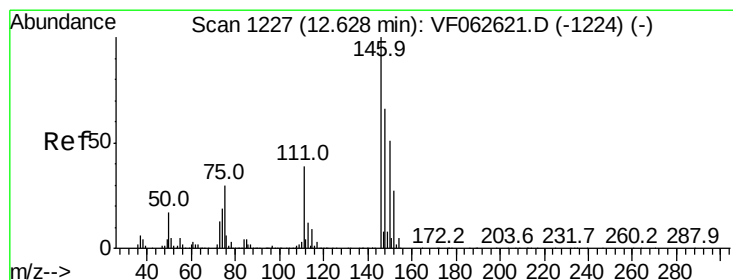
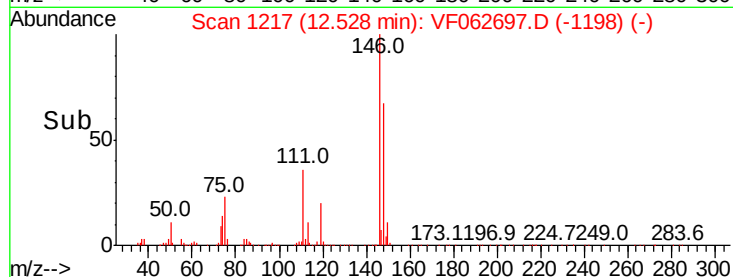
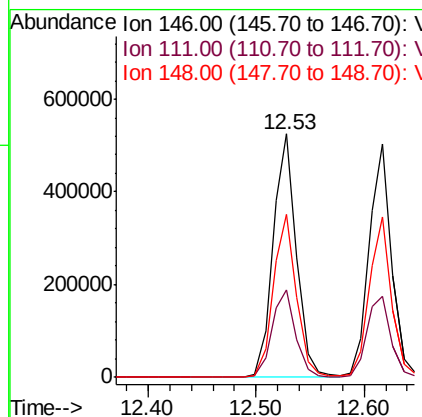
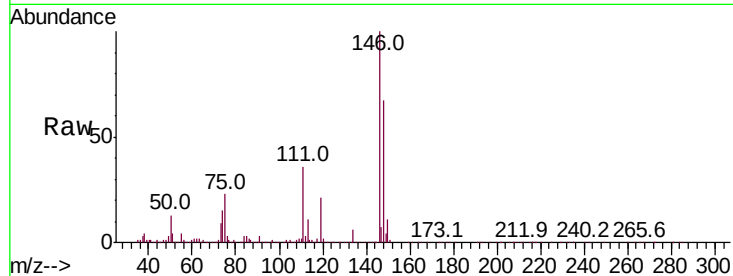
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	67.2	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 51.169 ug/l

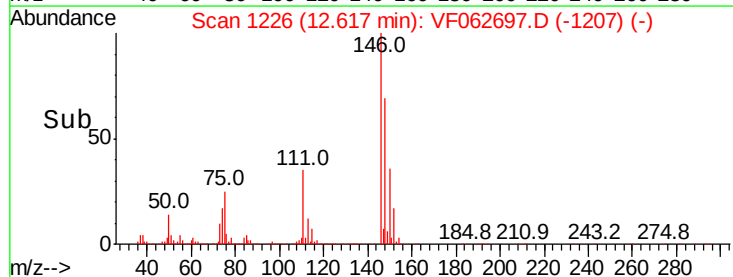
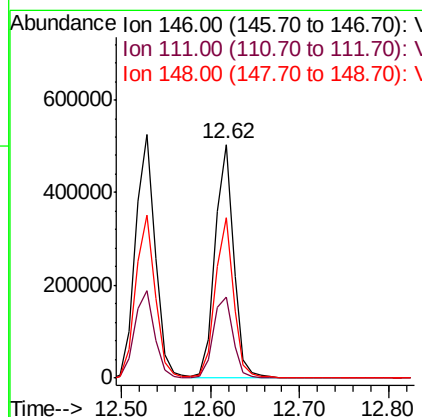
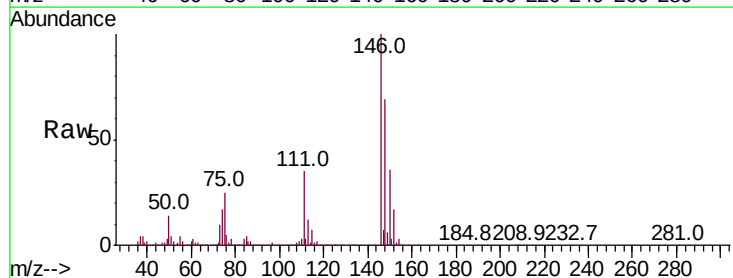
RT: 12.62 min Scan# 1226

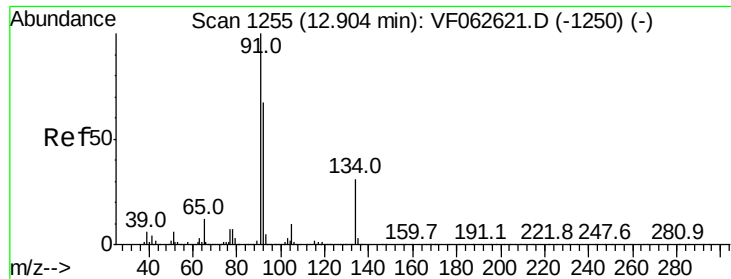
Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.0	19.4	58.2
148	68.8	33.2	99.6





#89

n-Butylbenzene

Concen: 52.674 ug/l

RT: 12.88 min Scan# 1253

Delta R.T. -0.02 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Instrument :

MSVOA_F

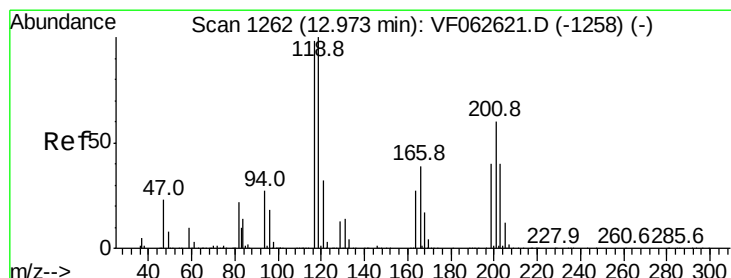
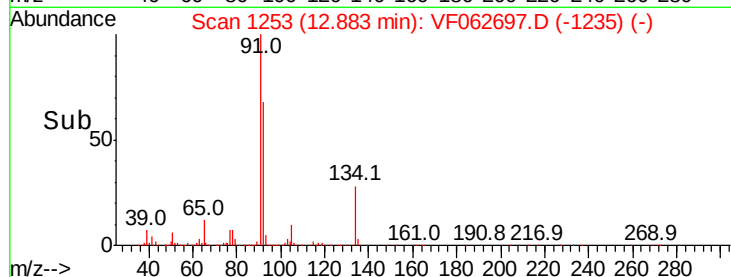
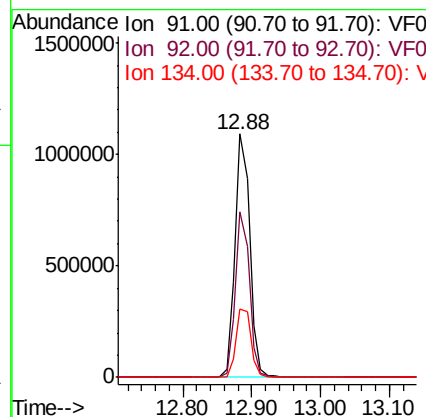
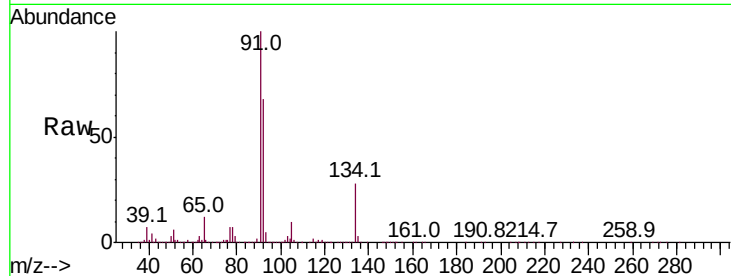
ClientSampleID :

VSTDCCC050

Tot Ion:	91	Resp:	1625836
Ion	Ratio	Lower	Upper
91	100		
92	68.0	33.3	99.8
134	27.9	15.4	46.4

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#90

Hexachloroethane

Concen: 59.127 ug/l

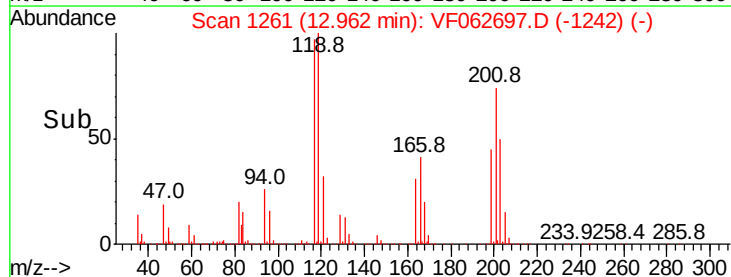
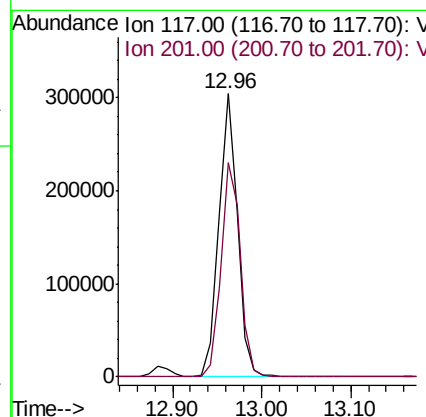
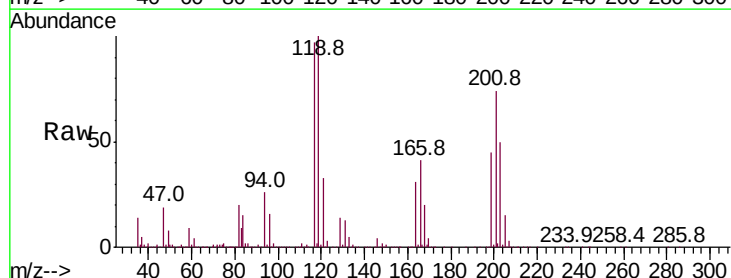
RT: 12.96 min Scan# 1261

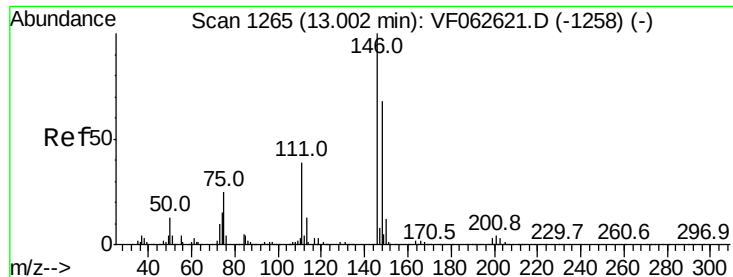
Delta R.T. -0.01 min

Lab File: VF062697.D

Acq: 22 May 2019 10:23

Tgt Ion:	117	Resp:	444035
Ion	Ratio	Lower	Upper
117	100		
201	75.9	30.7	92.1





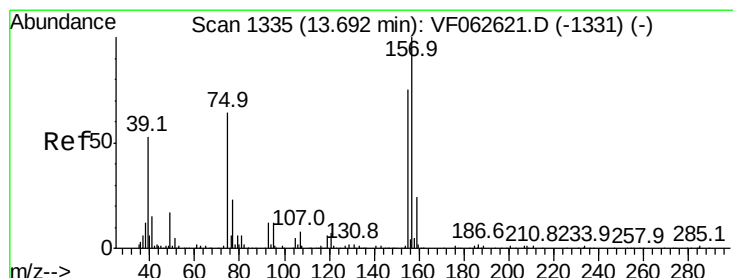
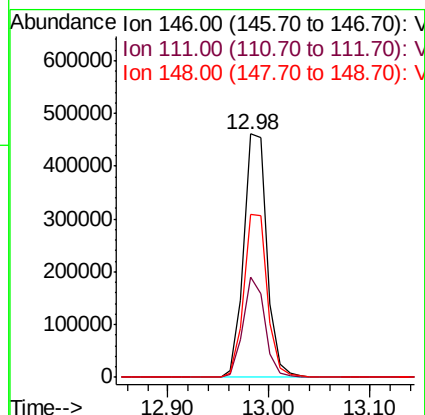
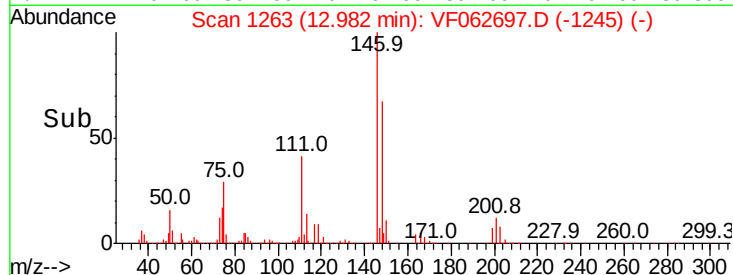
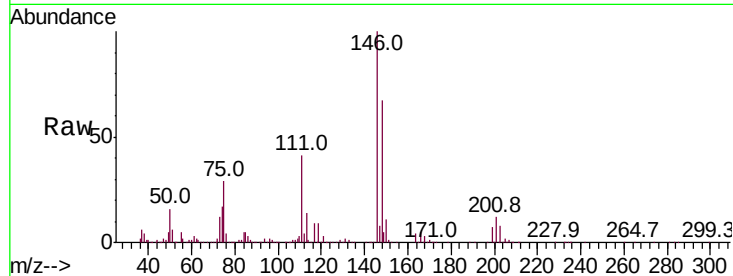
#91
 1,2-Dichlorobenzene
 Concen: 54.422 ug/l
 RT: 12.98 min Scan# 1263
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion:	146	Resp:	742297
Ion Ratio	Lower	Upper	
146	100		
111	41.2	19.8	59.3
148	67.2	34.1	102.2

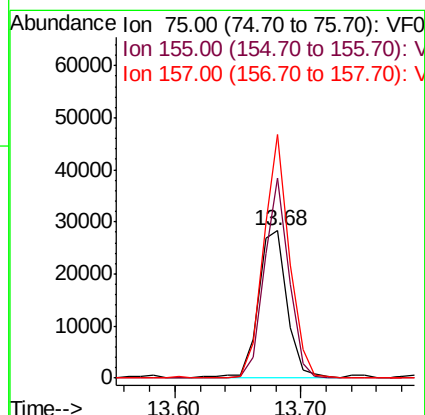
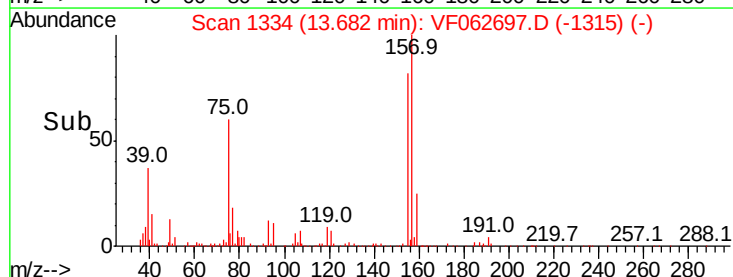
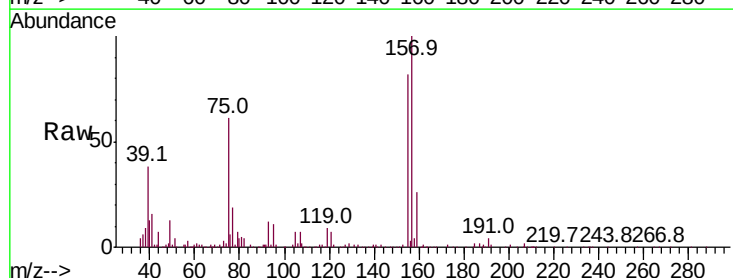
Manual Integrations
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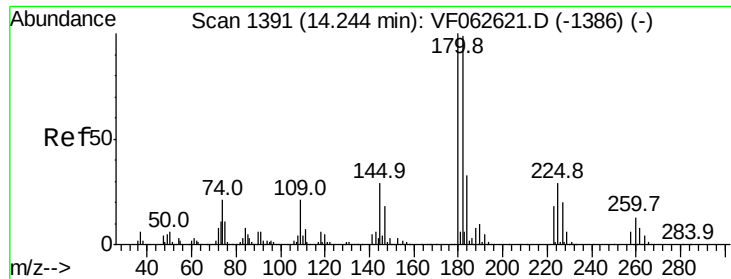
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.793 ug/l
 RT: 13.68 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion:	75	Resp:	45452
Ion Ratio	Lower	Upper	
75	100		
155	135.7	58.1	174.3
157	165.3	77.8	233.4





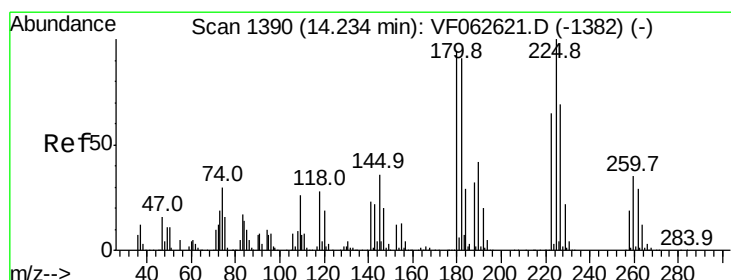
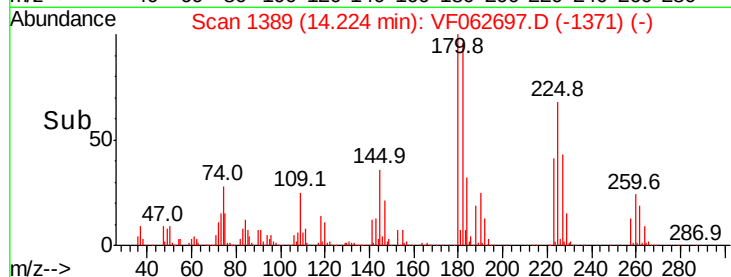
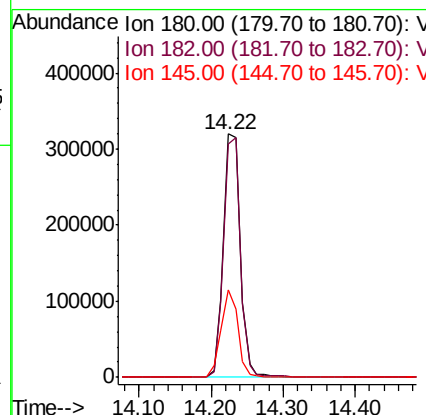
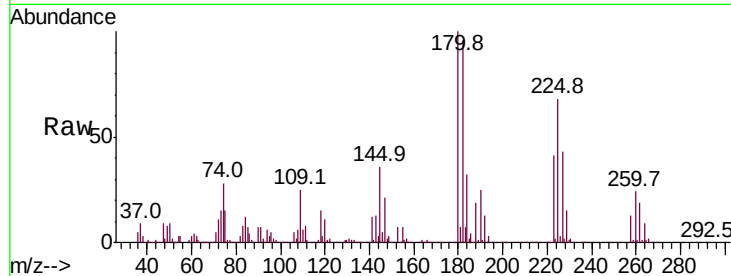
#93
 1,2,4-Trichlorobenzene
 Concen: 53.178 ug/l
 RT: 14.22 min Scan# 1389
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	519196		
182	95.7	49.7	149.1	
145	35.9	14.6	44.0	

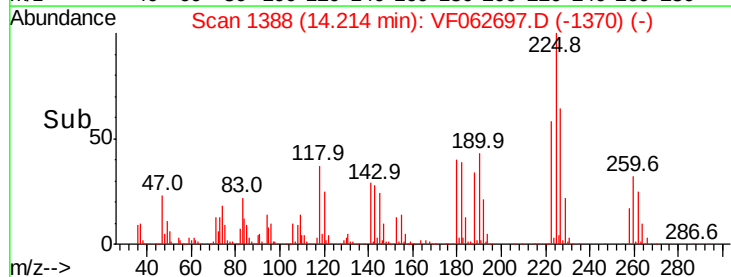
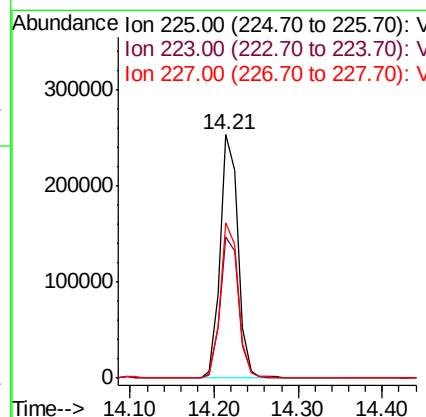
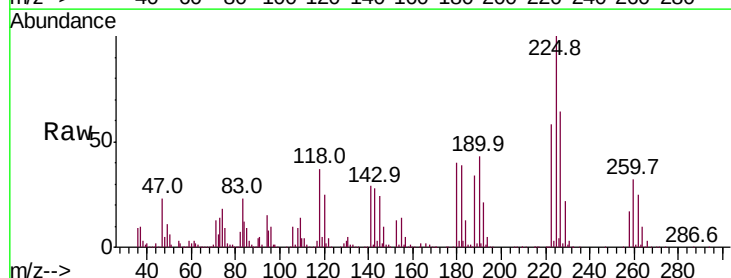
Manual Integrations
 APPROVED

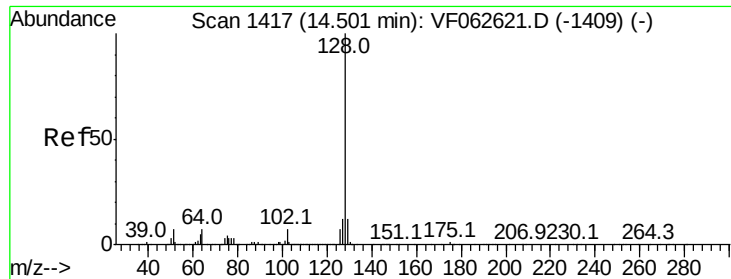
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 54.915 ug/l
 RT: 14.21 min Scan# 1388
 Delta R.T. -0.02 min
 Lab File: VF062697.D
 Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	374161		
223	58.2	32.5	97.4	
227	63.7	34.5	103.5	





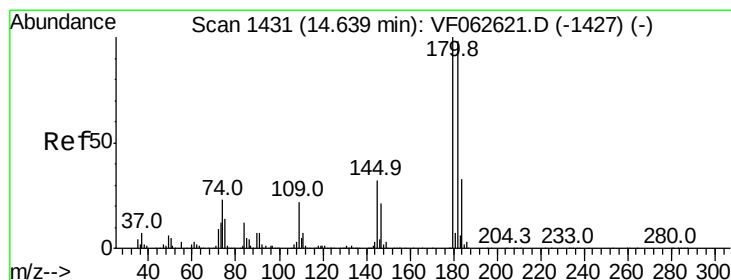
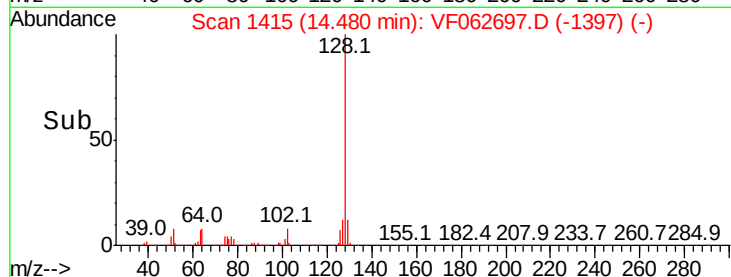
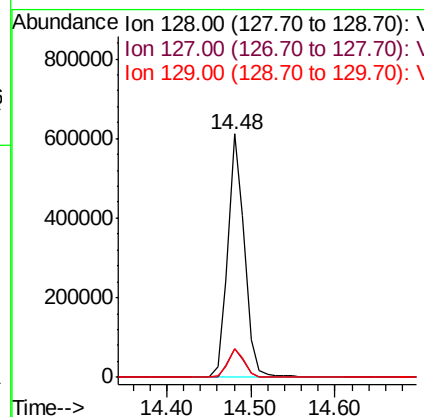
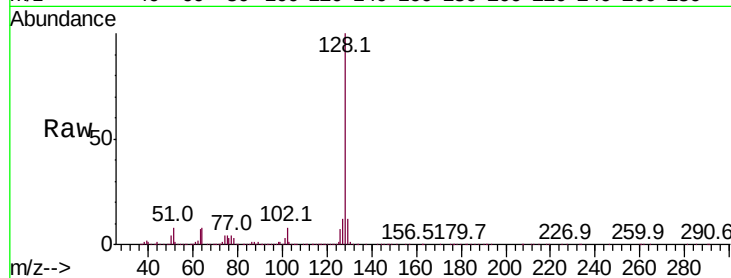
#95
Naphthalene
Concen: 47.735 ug/l
RT: 14.48 min Scan# 1415
Delta R.T. -0.02 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Instrument :
MSVOA_F
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	846681		
127	11.9	9.7	14.5	
129	11.9	9.3	13.9	

Manual Integrations
APPROVED

MMDadoda
5/23/2019 12:15:58 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.429 ug/l
RT: 14.63 min Scan# 1430
Delta R.T. -0.01 min
Lab File: VF062697.D
Acq: 22 May 2019 10:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	494106		
182	97.9	48.9	146.7	
145	28.9	16.1	48.2	

