

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052819\
 Data File : VF062755.D
 Acq On : 28 May 2019 12:37
 Operator : FY/SY
 Sample : VF0528SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Manual Integrations
 APPROVED

MMDadoda
 5/29/2019 11:01:56 AM

Quant Time: May 29 01:59:36 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	5.08	168	585947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	876698	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	626496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	291664	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.06	65	119847	28.94	ug/l	0.02
Spiked Amount	50.000		Recovery	=	57.88%	
35) Dibromofluoromethane	4.33	113	286838	42.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.52%	
50) Toluene-d8	7.73	98	710787	44.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.76%	
62) 4-Bromofluorobenzene	11.50	95	240559	39.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	168972	21.191	ug/l	99
3) Chloromethane	1.13	50	143385	19.529	ug/l	93
4) Vinyl Chloride	1.19	62	141447	20.929	ug/l	93
5) Bromomethane	1.37	94	80562	21.789	ug/l	93
6) Chloroethane	1.45	64	57872	23.315	ug/l #	77
7) Trichlorofluoromethane	1.55	101	228058	25.131	ug/l	85
8) Diethyl Ether	1.71	74	27321	15.197	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.91	101	141894	24.556	ug/l	97
10) Methyl Iodide	1.98	142	246143	21.685	ug/l	95
11) Tert butyl alcohol	2.71	59	16284	59.569	ug/l #	46
12) 1,1-Dichloroethene	1.87	96	125640	23.869	ug/l #	90
13) Acrolein	2.11	56	14223	49.843	ug/l	94
14) Allyl chloride	2.21	41	123913	26.010	ug/l	92
15) Acrylonitrile	3.10	53	55366	71.800	ug/l #	86
16) Acetone	2.36	43	54019	50.288	ug/l	93
17) Carbon Disulfide	1.89	76	373315	23.928	ug/l	95
18) Methyl Acetate	2.47	43	24868	14.732	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	142076	15.099	ug/l #	86
20) Methylene Chloride	2.30	84	102342	19.007	ug/l	92
21) trans-1,2-Dichloroethene	2.44	96	110623	21.502	ug/l	89
22) Diisopropyl ether	2.95	45	201561	17.155	ug/l	97
23) Vinyl Acetate	3.36	43	477683	60.267	ug/l	98
24) 1,1-Dichloroethane	3.03	63	178806	20.744	ug/l	99
25) 2-Butanone	4.54	43	91515	39.875	ug/l #	89
26) 2,2-Dichloropropane	3.79	77	157160	31.866	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	170930	20.198	ug/l	92
28) Bromochloromethane	3.92	49	70366	14.556	ug/l	83
29) Tetrahydrofuran	4.29	42	52846	56.902	ug/l #	90
30) Chloroform	4.07	83	250882	20.964	ug/l	95
31) Cyclohexane	3.89	56	276060	23.853	ug/l	95
32) 1,1,1-Trichloroethane	4.31	97	205220	25.821	ug/l	98
36) 1,1-Dichloropropene	4.49	75	196507	21.874	ug/l	97
37) Ethyl Acetate	4.33	43	44688m	12.183	ug/l	
38) Carbon Tetrachloride	4.21	117	202436	29.963	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	296336	27.415	ug/l	97
40) Benzene	4.84	78	566572	23.151	ug/l	99
41) Methacrylonitrile	4.96	41	23591	12.268	ug/l #	87
42) 1,2-Dichloroethane	5.15	62	82388	16.881	ug/l	99
43) Isopropyl Acetate	7.13	43	50248	10.574	ug/l	91
44) Trichloroethene	5.71	130	152413	22.158	ug/l	86
45) 1,2-Dichloropropane	6.43	63	116806	18.907	ug/l	95
46) Dibromomethane	6.28	93	59323	16.615	ug/l	95
47) Bromodichloromethane	6.57	83	138195	18.644	ug/l	99
48) Methyl methacrylate	6.89	41	25143	10.123	ug/l	94
49) 1,4-Dioxane	6.89	88	7676	241.292	ug/l #	82
51) 4-Methyl-2-Pentanone	8.42	43	195191	60.093	ug/l	93
52) Toluene	7.80	92	290911	22.666	ug/l	93
53) t-1,3-Dichloropropene	8.44	75	97386	16.060	ug/l	89
54) cis-1,3-Dichloropropene	7.47	75	157338	18.535	ug/l	95
55) 1,1,2-Trichloroethane	8.65	97	57294	15.076	ug/l	91
56) Ethyl methacrylate	8.77	69	62119	13.720	ug/l	96
57) 1,3-Dichloropropane	9.01	76	103030	15.917	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.46	63	89625	60.816	ug/l	92
59) 2-Hexanone	9.64	43	129629	46.855	ug/l	97
60) Dibromochloromethane	8.87	129	86238	17.411	ug/l	96
61) 1,2-Dibromoethane	9.15	107	63569	15.749	ug/l	97
64) Tetrachloroethene	8.32	164	128137	25.817	ug/l	93
65) Chlorobenzene	9.95	112	275383	22.380	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.07	131	117260	23.738	ug/l	98
67) Ethyl Benzene	10.04	91	542417	25.375	ug/l	99
68) m/p-Xylenes	10.27	106	400859	49.894	ug/l	84
69) o-Xylene	10.83	106	195299	23.600	ug/l	98
70) Styrene	10.90	104	262761	20.891	ug/l	99
71) Bromoform	10.89	173	40150	16.229	ug/l #	96
73) Isopropylbenzene	11.23	105	588141	28.135	ug/l	96
74) N-amyl acetate	11.45	43	79129	10.628	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	11.78	83	68563	16.049	ug/l	98
76) 1,2,3-Trichloropropane	11.88	75	41004	14.608	ug/l	93
77) Bromobenzene	11.59	156	109946	21.159	ug/l	89
78) n-propylbenzene	11.68	91	704956	28.495	ug/l	91
79) 2-Chlorotoluene	11.81	91	347478	24.923	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	447446	26.694	ug/l	94
81) trans-1,4-Dichloro-2-buten	11.95	75	16448	13.182	ug/l #	90
82) 4-Chlorotoluene	11.98	91	331592	24.118	ug/l	90
83) tert-Butylbenzene	12.20	119	477442	28.075	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	406572	25.061	ug/l	88
85) sec-Butylbenzene	12.38	105	656387	28.761	ug/l	97
86) p-Isopropyltoluene	12.53	119	521112	27.094	ug/l	97
87) 1,3-Dichlorobenzene	12.55	146	211909	22.542	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	196762	22.304	ug/l	96
89) n-Butylbenzene	12.90	91	537284	28.333	ug/l	90
90) Hexachloroethane	12.98	117	127678	27.673	ug/l	81
91) 1,2-Dichlorobenzene	13.00	146	175001	20.884	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.70	75	7562	14.838	ug/l	82

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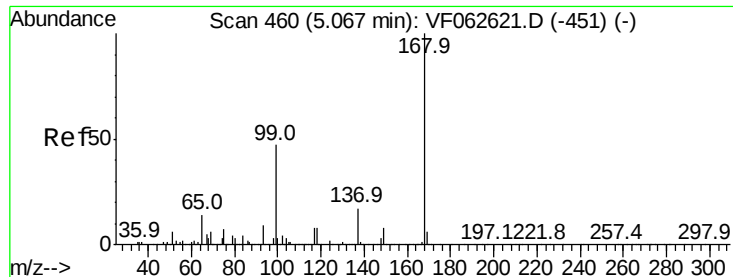
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	118035	19.678	ug/l	96
94) Hexachlorobutadiene	14.23	225	111517	26.640	ug/l	93
95) Naphthalene	14.50	128	133448	12.246	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	95536	16.815	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.08 min Scan# 461

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:168 Resp: 585947

Ion Ratio Lower Upper

168 100

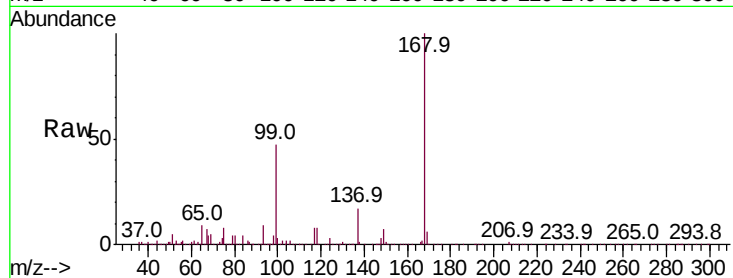
99 47.3 37.8 56.8

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.08

200000

150000

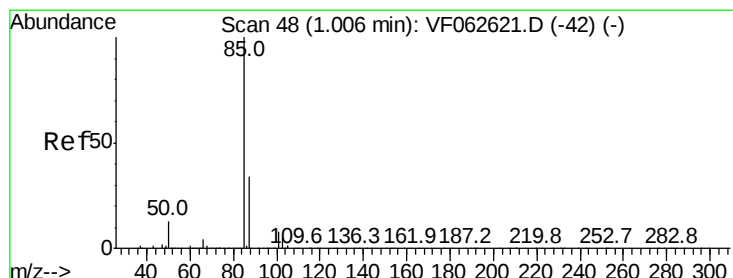
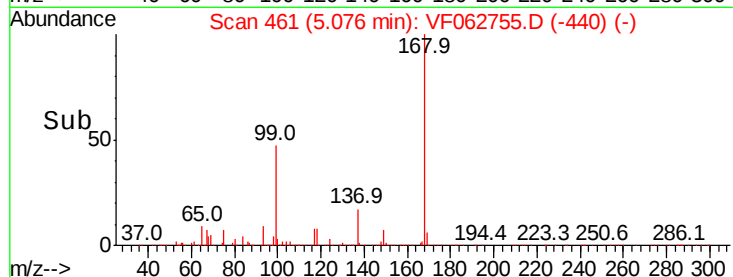
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50000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 21.191 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062755.D

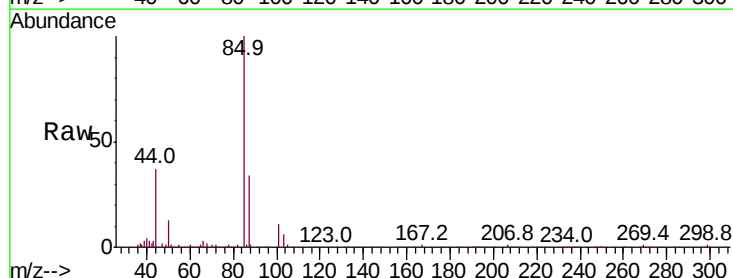
Acq: 28 May 2019 12:37

Tgt Ion: 85 Resp: 168972

Ion Ratio Lower Upper

85 100

87 33.8 16.8 50.3



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.01

60000

50000

40000

30000

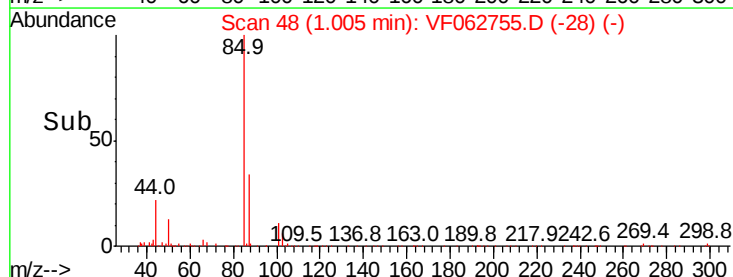
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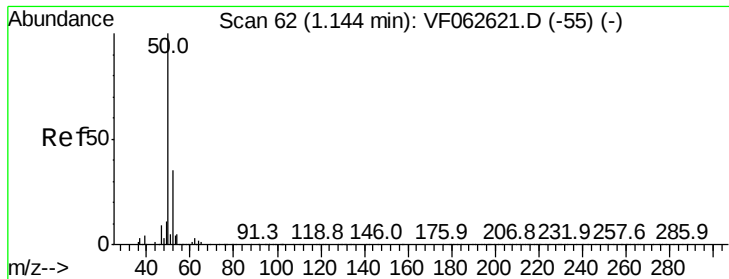
10000

0

0.80 0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 19.529 ug/l

RT: 1.13 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 50 Resp: 143385

Ion Ratio Lower Upper

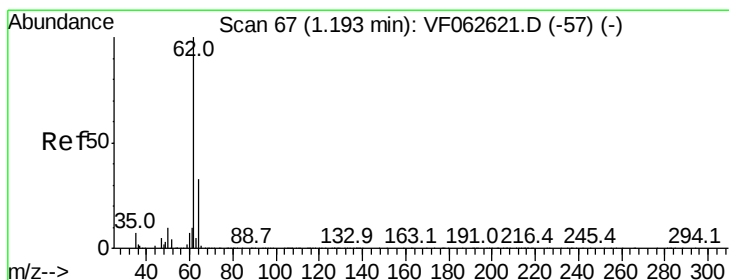
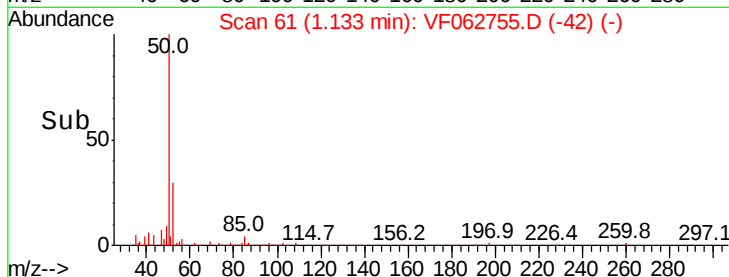
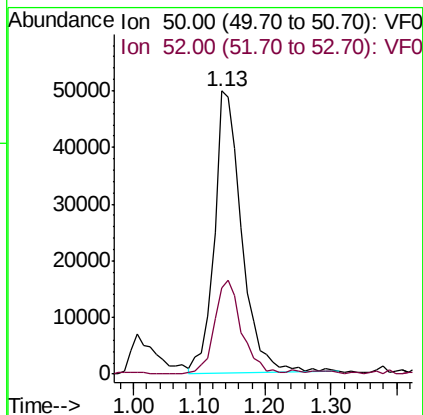
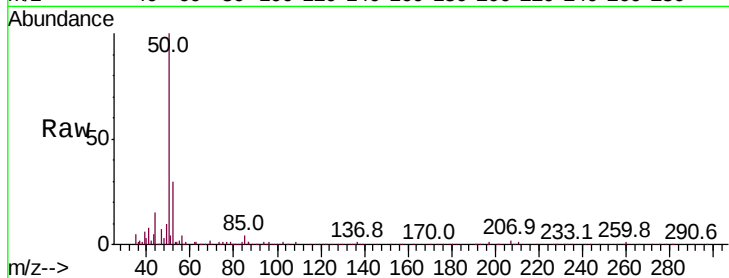
50 100

52 30.3 27.5 41.3

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#4

Vinyl Chloride

Concen: 20.929 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062755.D

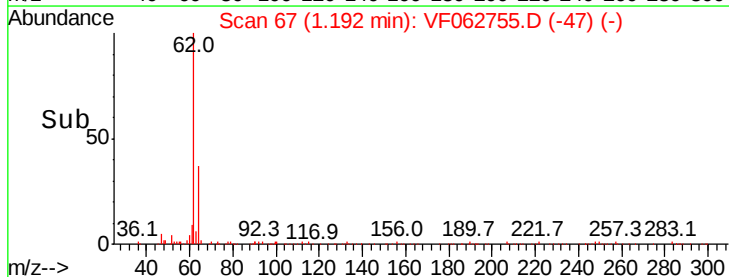
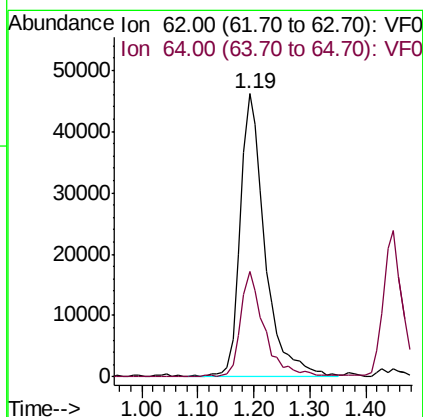
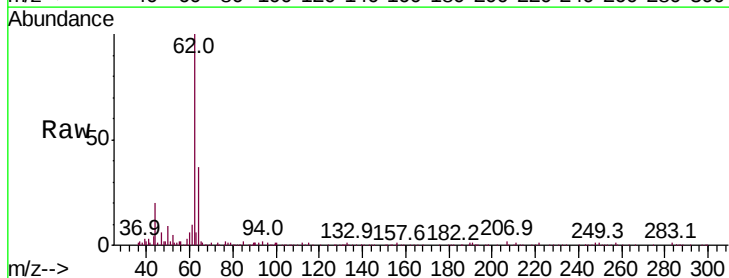
Acq: 28 May 2019 12:37

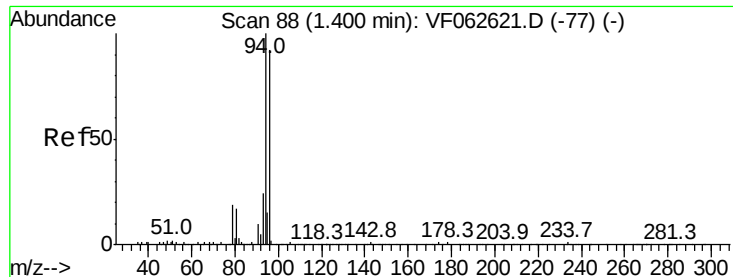
Tgt Ion: 62 Resp: 141447

Ion Ratio Lower Upper

62 100

64 37.3 26.7 40.1





#5

Bromomethane

Concen: 21.789 ug/l

RT: 1.37 min Scan# 85

Delta R.T. -0.03 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 94 Resp: 80562

Ion Ratio Lower Upper

94 100

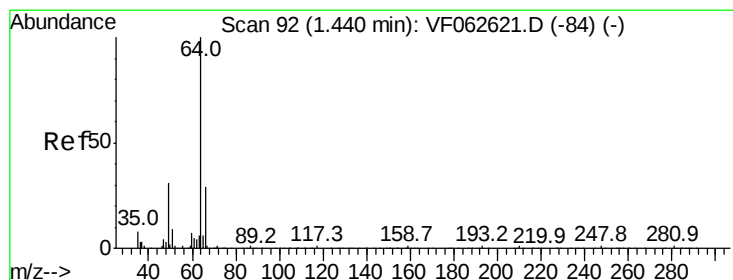
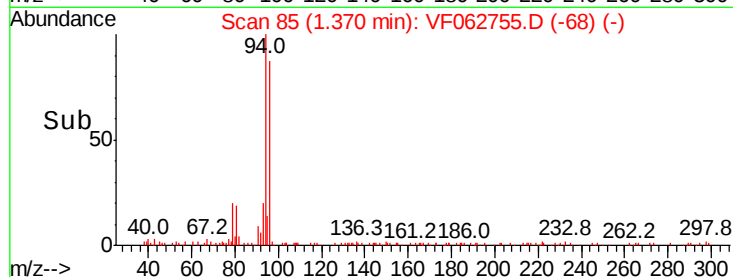
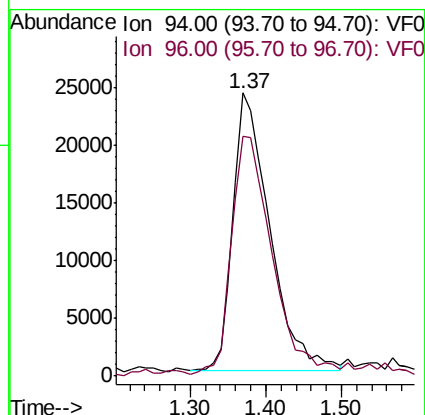
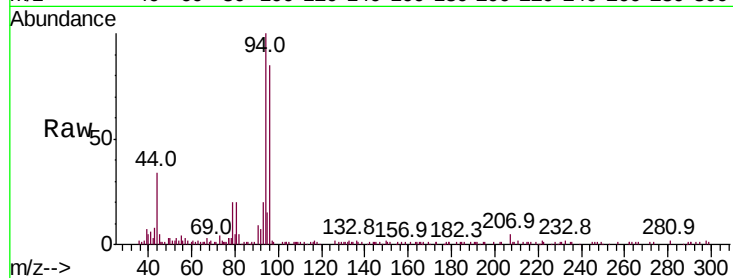
96 84.8 73.2 109.8

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#6

Chloroethane

Concen: 23.315 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062755.D

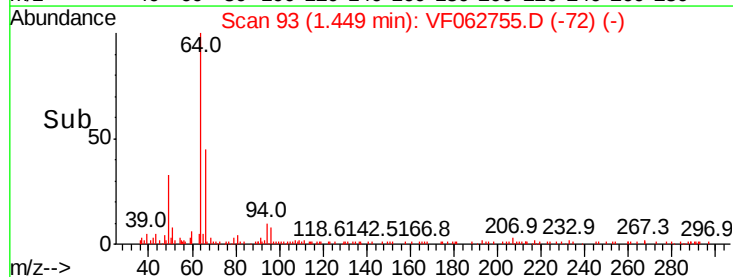
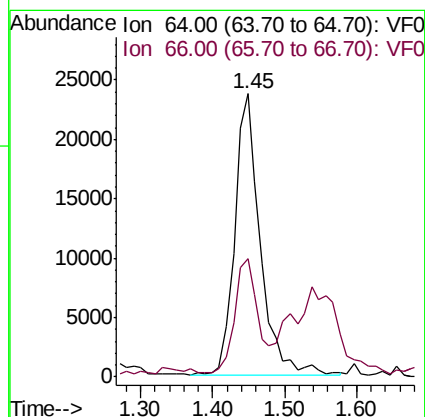
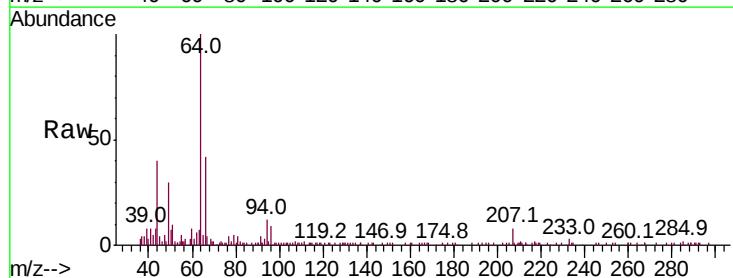
Acq: 28 May 2019 12:37

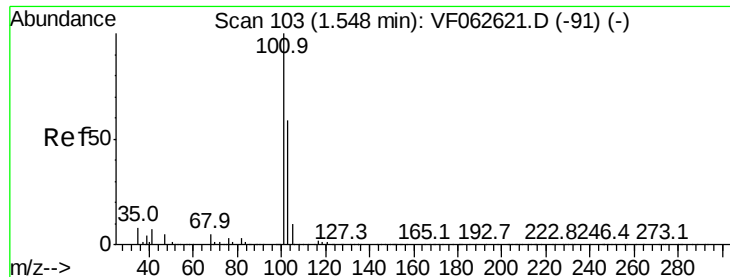
Tgt Ion: 64 Resp: 57872

Ion Ratio Lower Upper

64 100

66 41.7 23.4 35.2#





#7

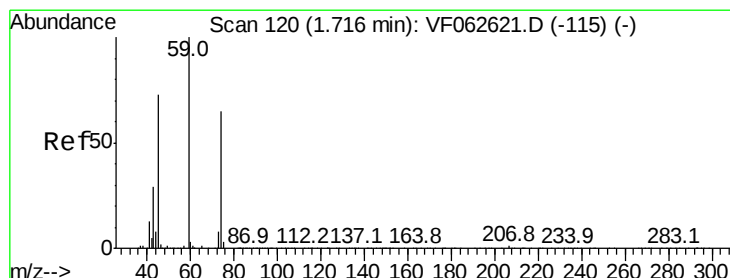
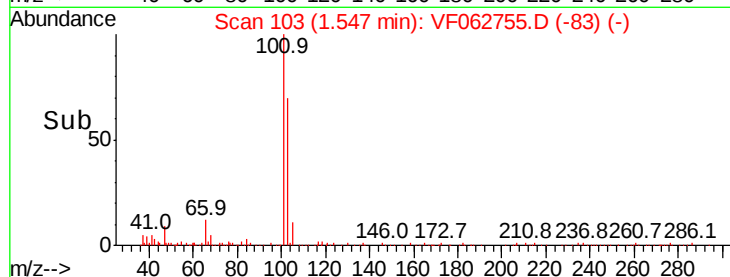
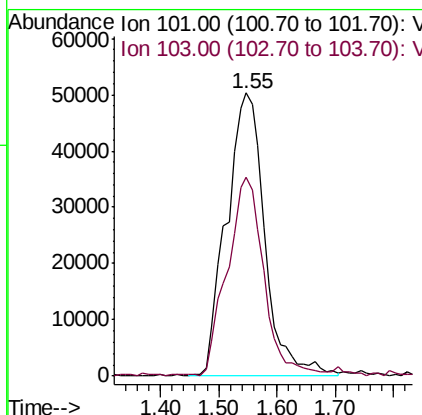
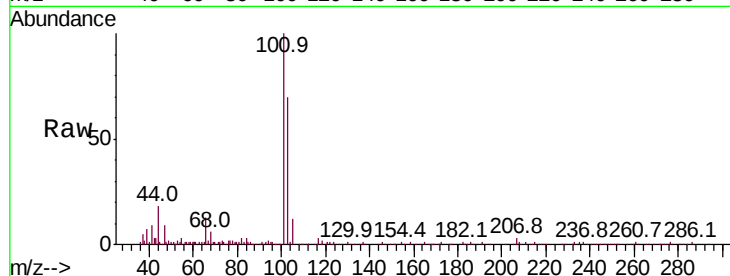
Trichlorofluoromethane
Concen: 25.131 ug/l
RT: 1.55 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

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ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	47.3	70.9

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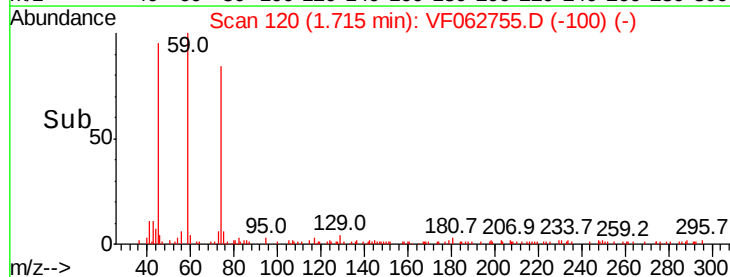
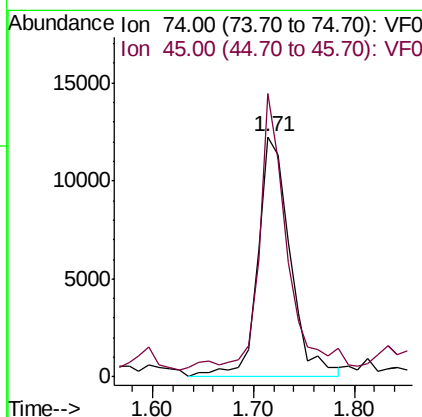
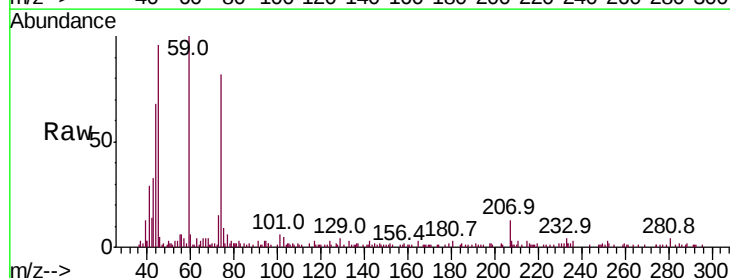
MMDadoda
5/29/2019 11:01:56 AM

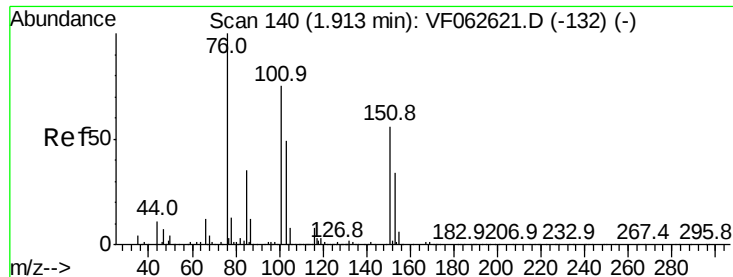


#8

Diethyl Ether
Concen: 15.197 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	117.8	57.0	170.8





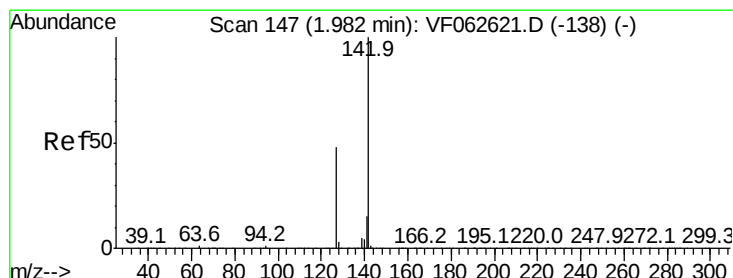
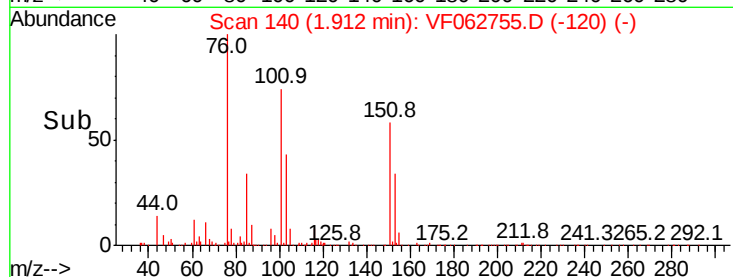
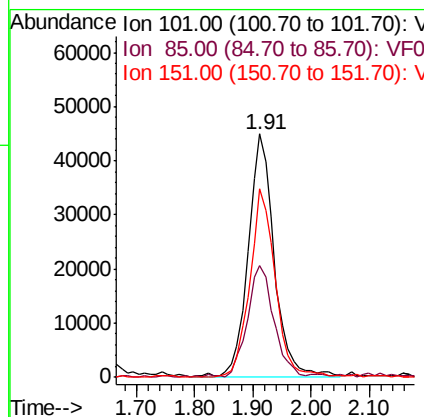
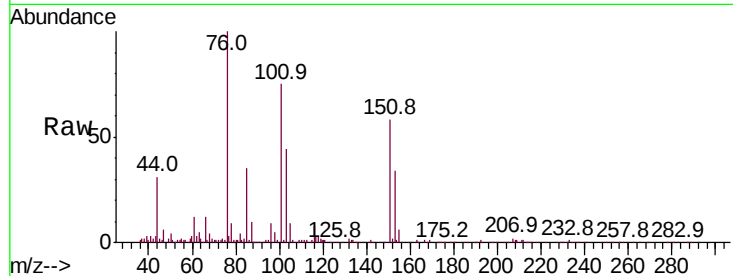
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 24.556 ug/l
 RT: 1.91 min Scan# 140
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
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 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	141894		
85	45.9		37.1	55.7
151	77.4		58.8	88.2

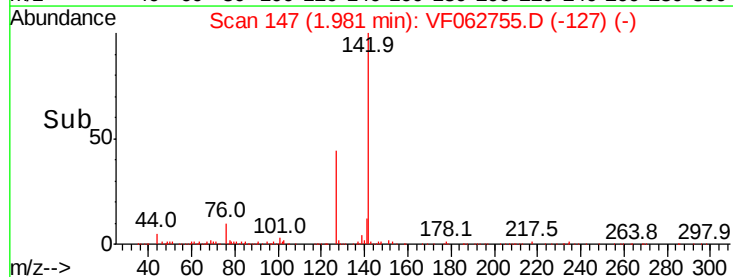
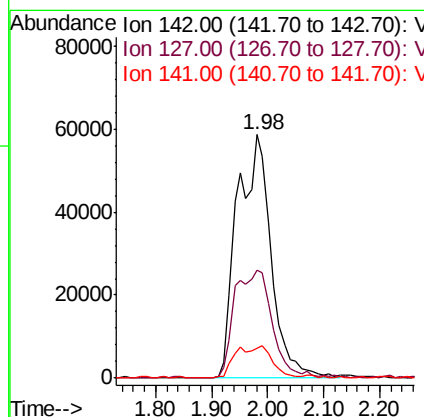
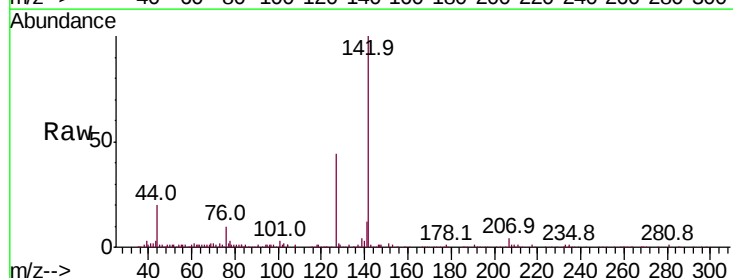
Manual Integrations
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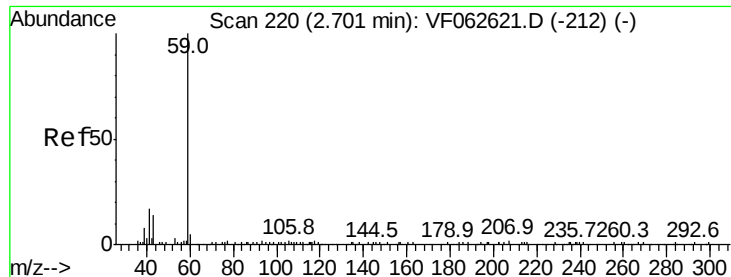
MMDadoda
 5/29/2019 11:01:56 AM



#10
 Methyl Iodide
 Concen: 21.685 ug/l
 RT: 1.98 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	246143		
127	44.3		38.1	57.1
141	12.4		11.7	17.5





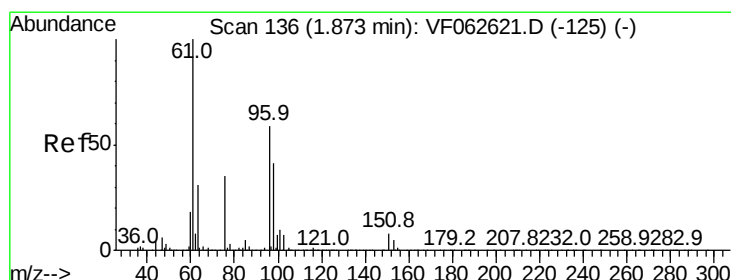
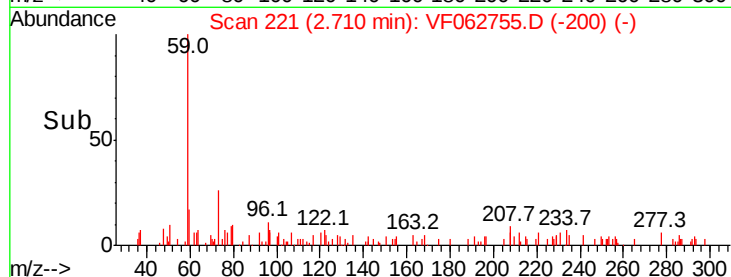
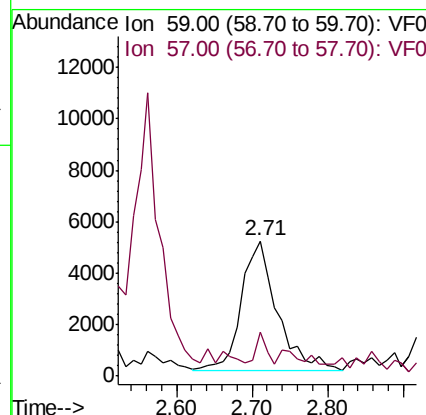
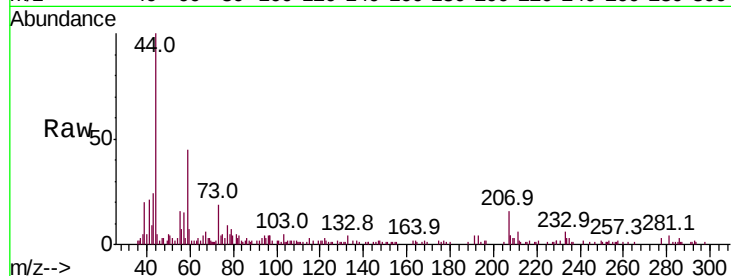
#11
Tert butyl alcohol
Concen: 59.569 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	32.4	9.3	13.9#

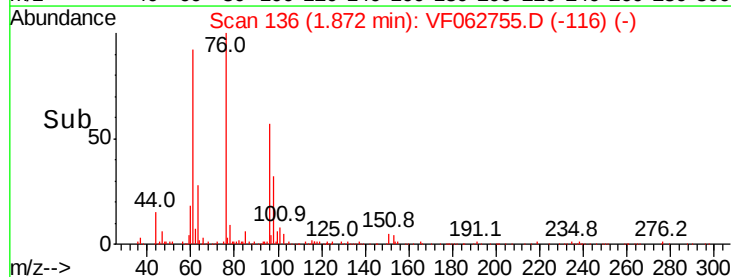
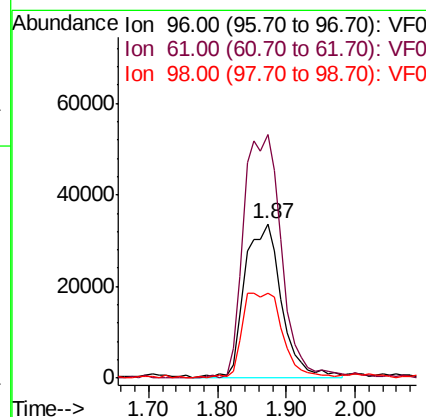
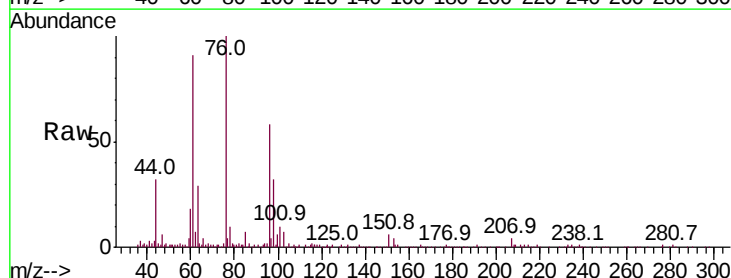
Manual Integrations
APPROVED

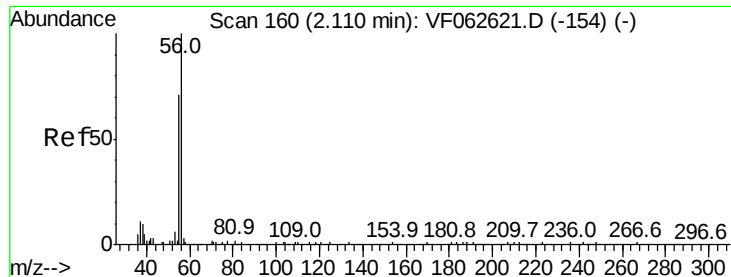
MMDadoda
5/29/2019 11:01:56 AM



#12
1,1-Dichloroethene
Concen: 23.869 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.9	134.3	201.5
98	55.0	55.0	82.6#





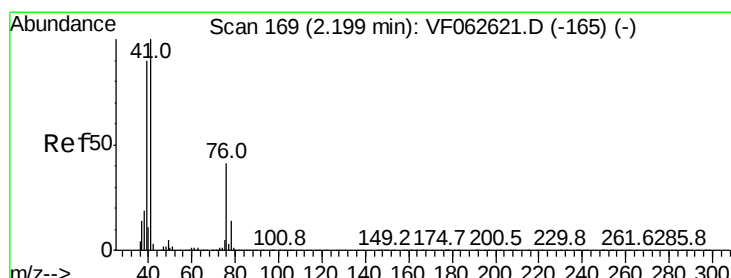
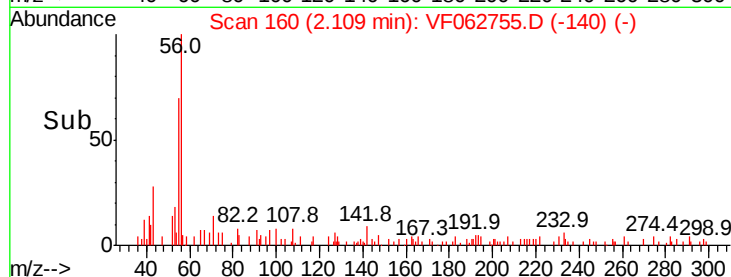
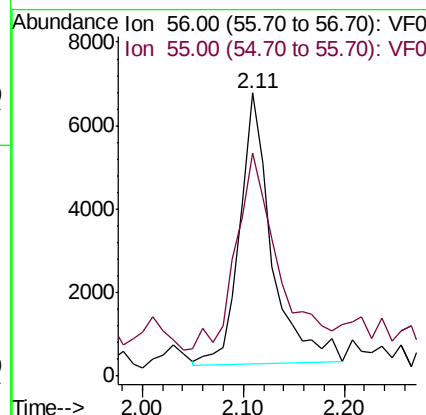
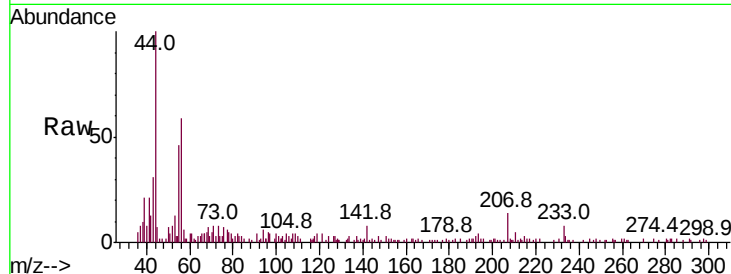
#13
Acrolein
Concen: 49.843 ug/l
RT: 2.11 min Scan# 160
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 56 Resp: 14223
Ion Ratio Lower Upper
56 100
55 78.9 59.4 89.0

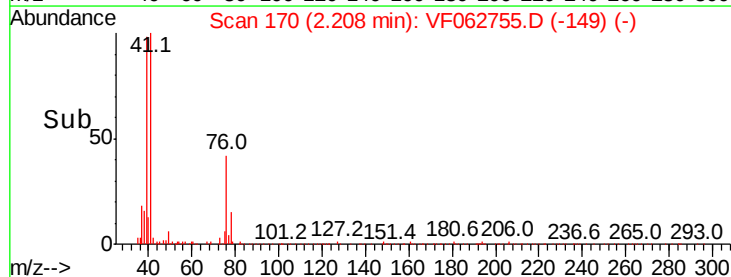
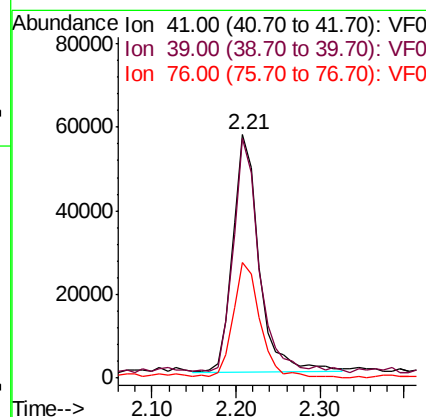
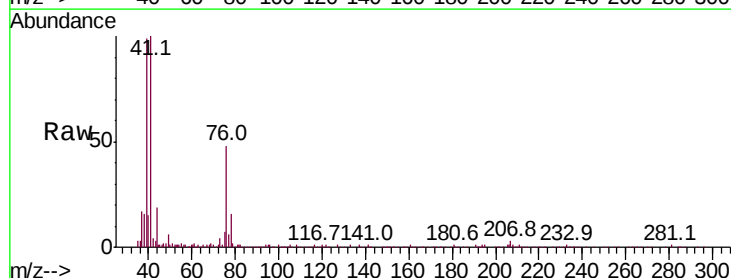
Manual Integrations
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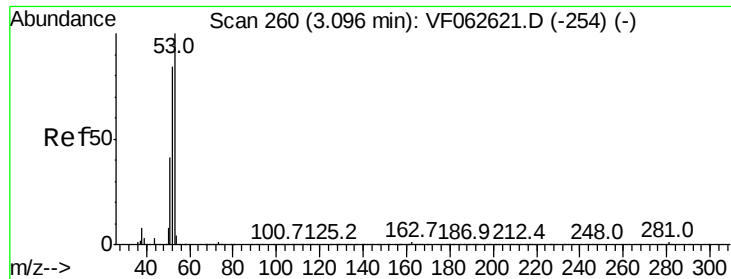
MMDadoda
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#14
Allyl chloride
Concen: 26.010 ug/l
RT: 2.21 min Scan# 170
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 41 Resp: 123913
Ion Ratio Lower Upper
41 100
39 98.6 72.0 108.0
76 47.7 34.8 52.2





#15

Acrylonitrile

Concen: 71.800 ug/l

RT: 3.10 min Scan# 261

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

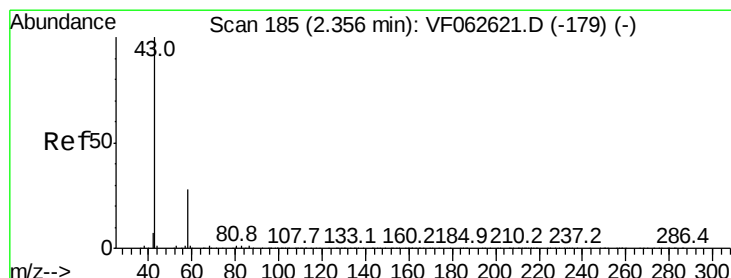
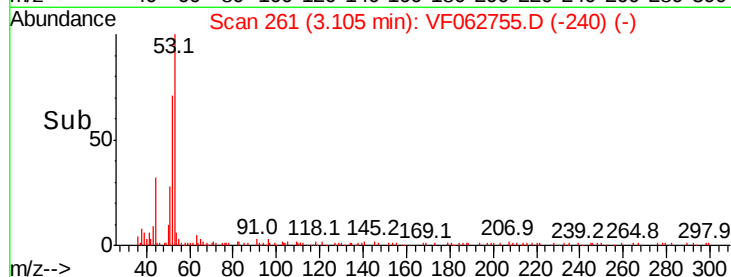
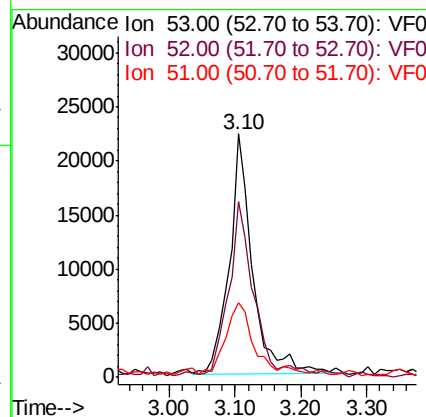
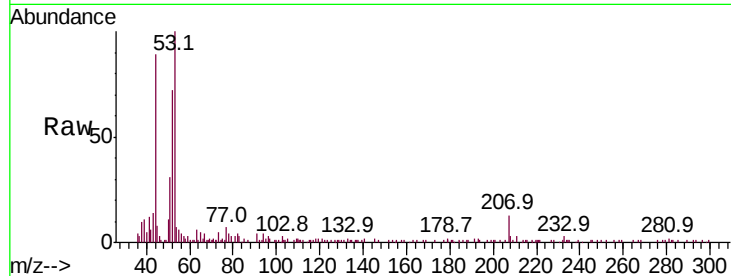
ClientSampleId :

VF0528SBS01

Tot Ion:	53	Resp:	55366
Ion	Ratio	Lower	Upper
53	100		
52	72.2	67.3	100.9
51	30.8	33.0	49.6#

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#16

Acetone

Concen: 50.288 ug/l

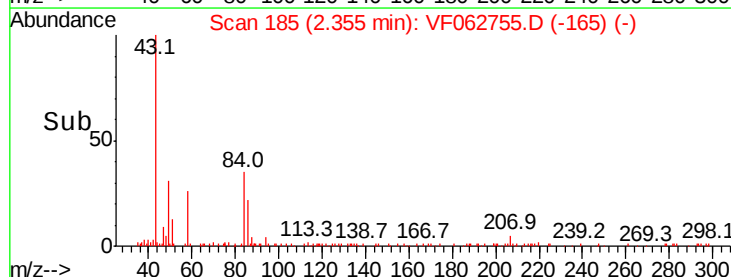
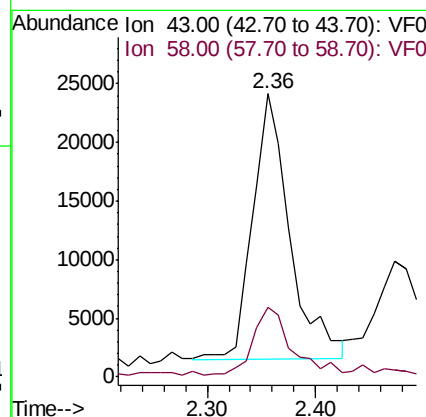
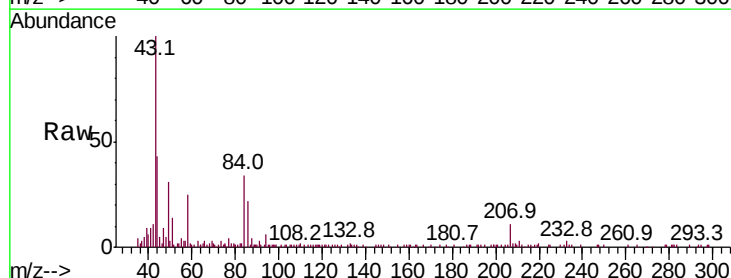
RT: 2.36 min Scan# 185

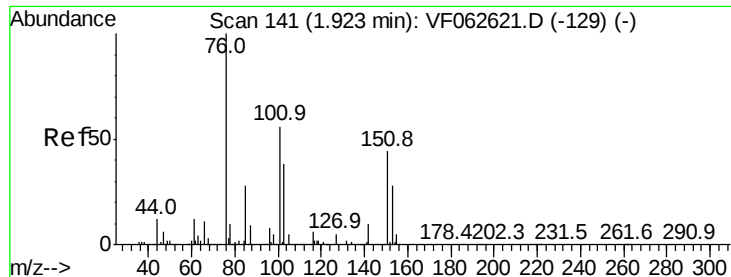
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion:	43	Resp:	54019
Ion	Ratio	Lower	Upper
43	100		
58	24.7	22.6	33.8





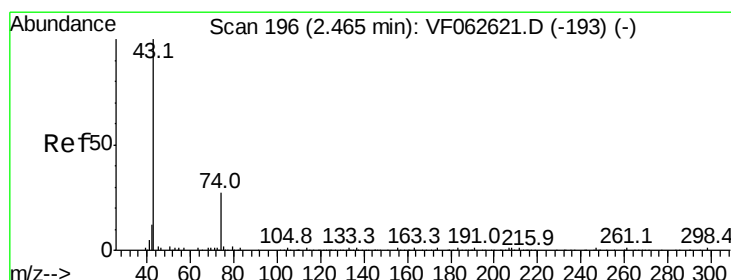
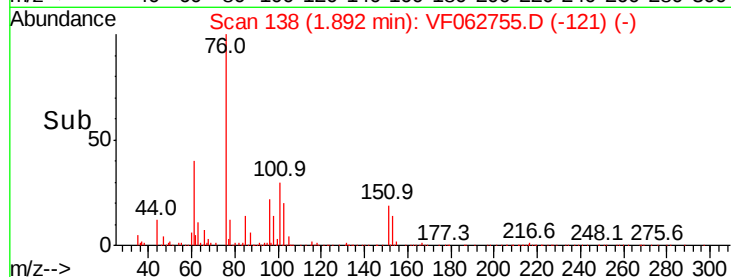
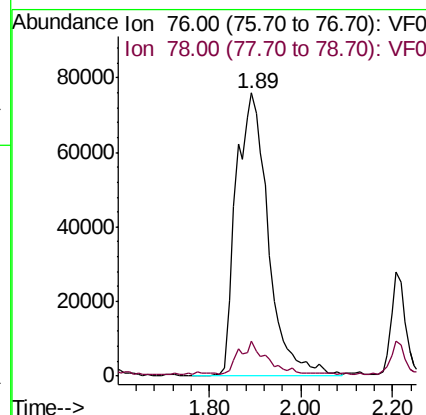
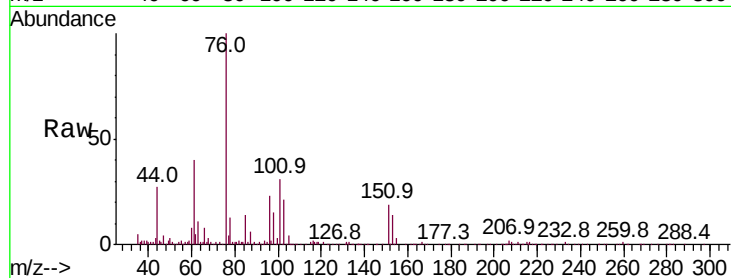
#17
Carbon Disulfide
Concen: 23.928 ug/l
RT: 1.89 min Scan# 138
Delta R.T. -0.03 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	12.5	8.4	12.6

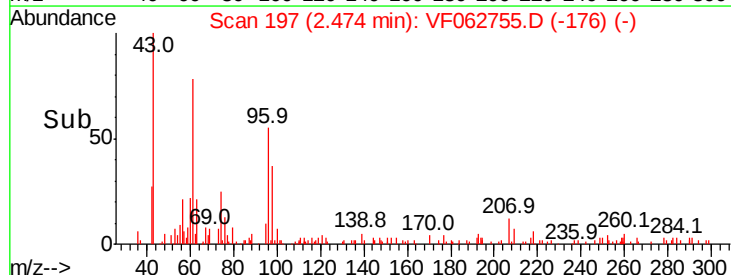
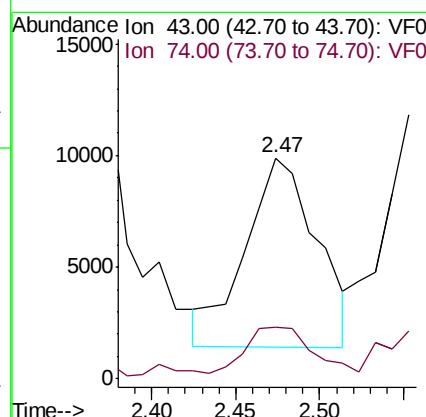
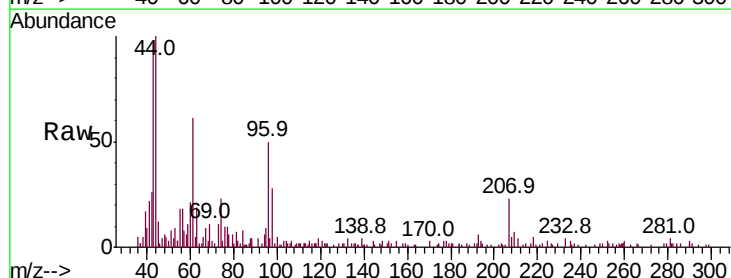
Manual Integrations
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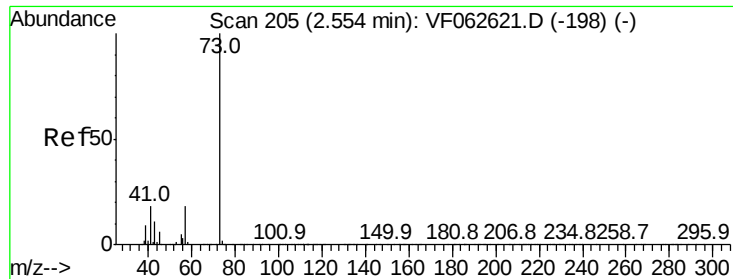
MMDadoda
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#18
Methyl Acetate
Concen: 14.732 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.9	28.3





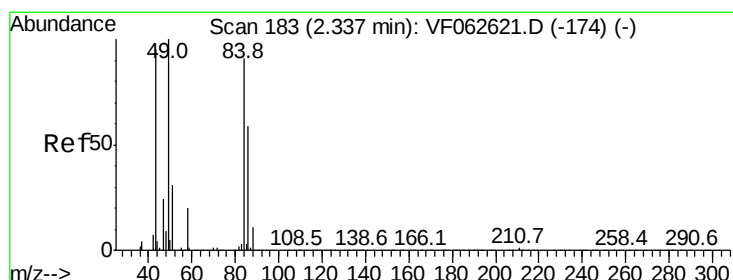
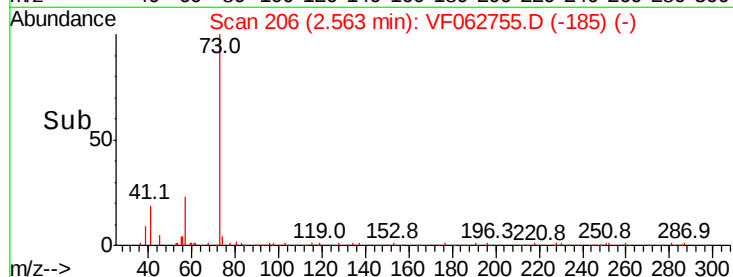
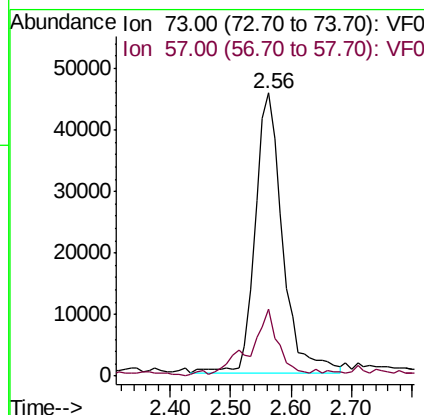
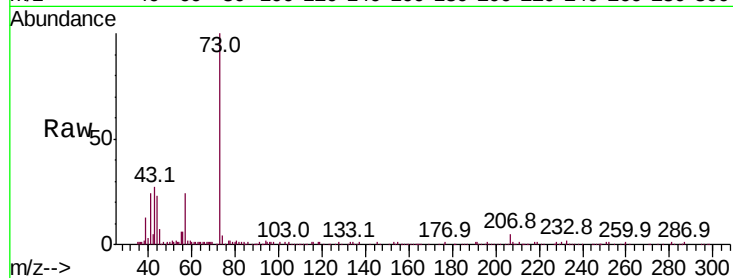
#19
Methvl tert-butvl Ether
Concen: 15.099 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 73 Resp: 142076
Ion Ratio Lower Upper
73 100
57 23.9 14.2 21.4#

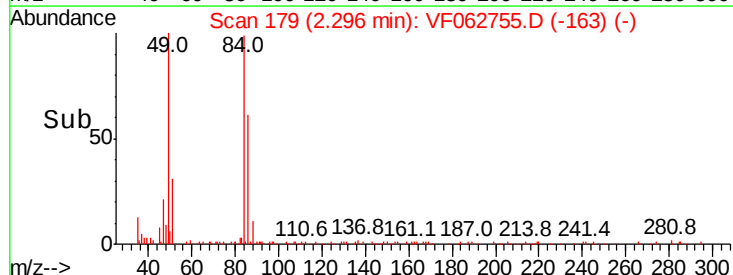
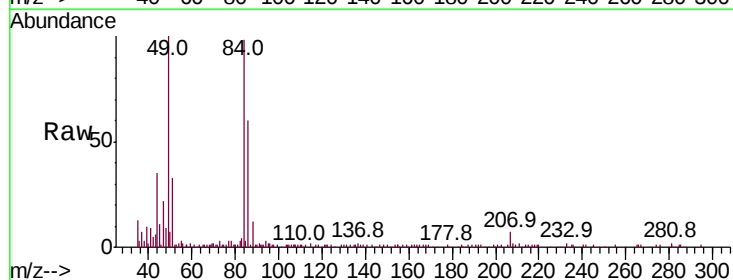
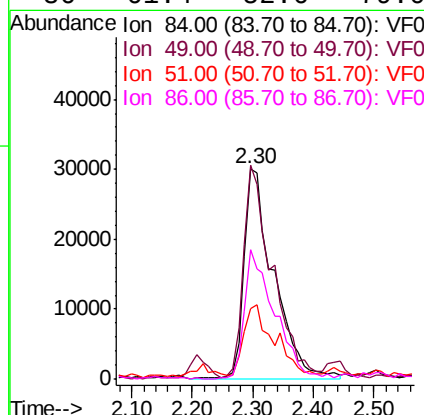
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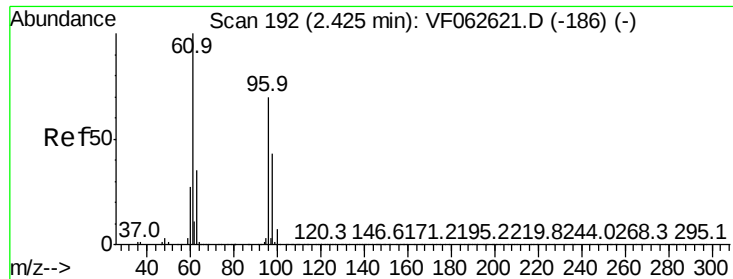
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#20
Methylene Chloride
Concen: 19.007 ug/l
RT: 2.30 min Scan# 179
Delta R.T. -0.04 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 84 Resp: 102342
Ion Ratio Lower Upper
84 100
49 101.6 89.8 134.8
51 33.4 28.4 42.6
86 61.4 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 21.502 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.02 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

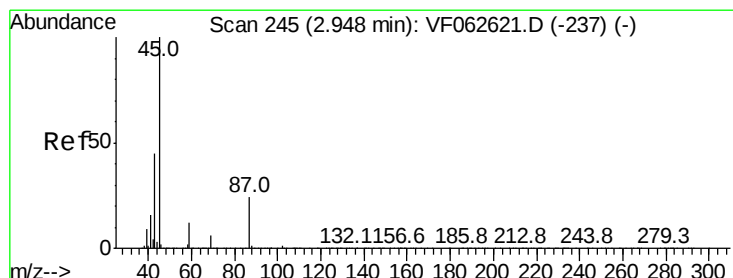
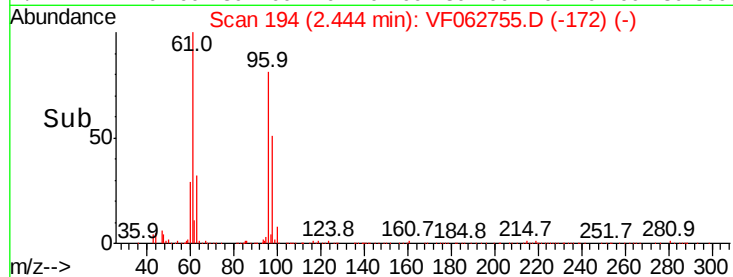
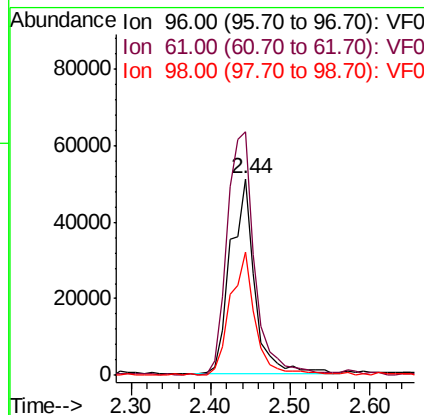
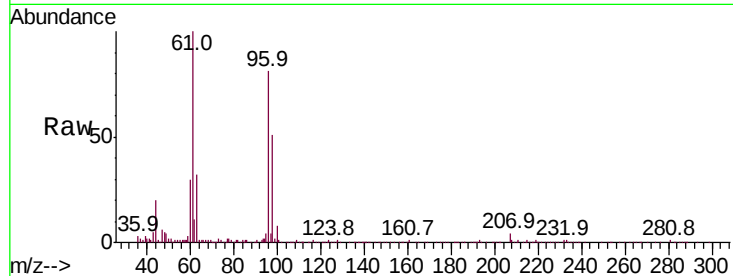
ClientSampleId :

VF0528SBS01

Tot Ion:	96	Resp:	110623
Ion	Ratio	Lower	Upper
96	100		
61	123.8	114.6	171.8
98	62.8	49.5	74.3

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#22

Diisopropyl ether

Concen: 17.155 ug/l

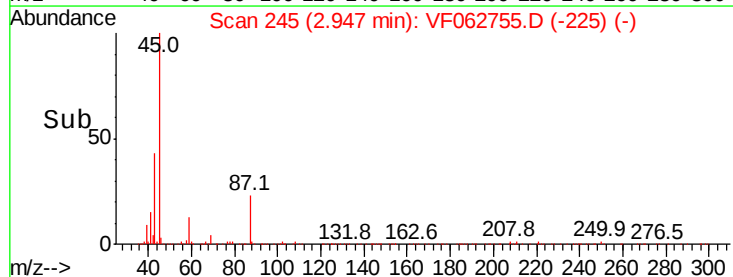
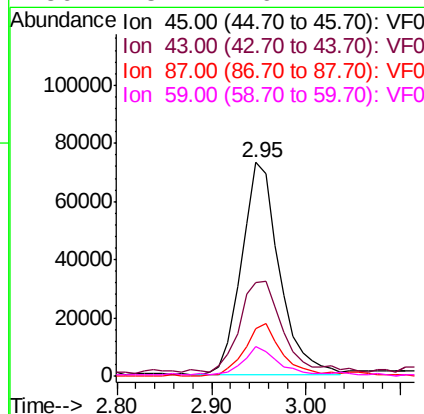
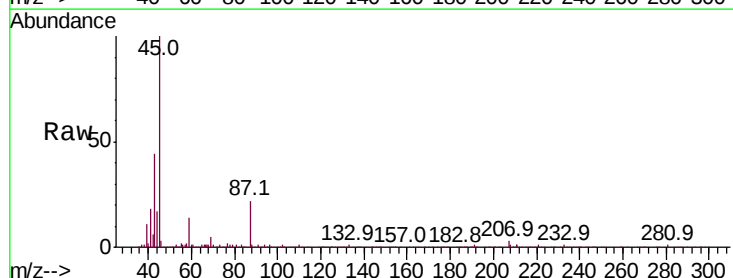
RT: 2.95 min Scan# 245

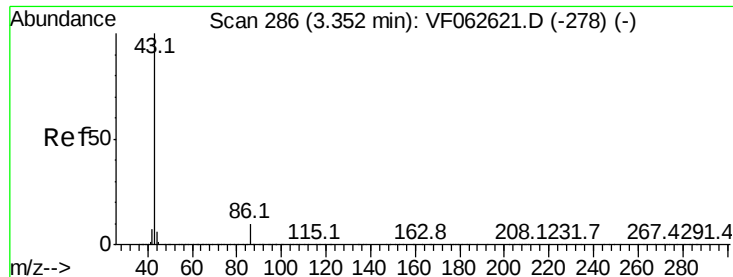
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion:	45	Resp:	201561
Ion	Ratio	Lower	Upper
45	100		
43	43.9	36.4	54.6
87	22.4	19.3	28.9
59	13.7	9.4	14.2





#23

Vinyl Acetate

Concen: 60.267 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 43 Resp: 477683

Ion Ratio Lower Upper

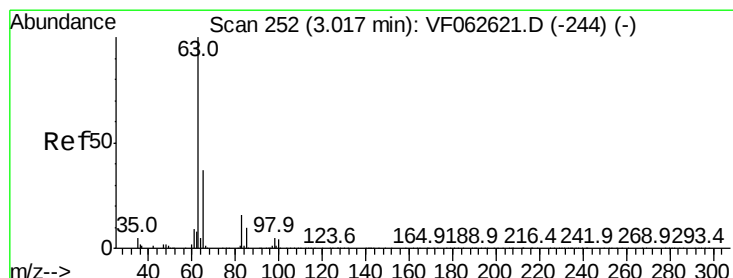
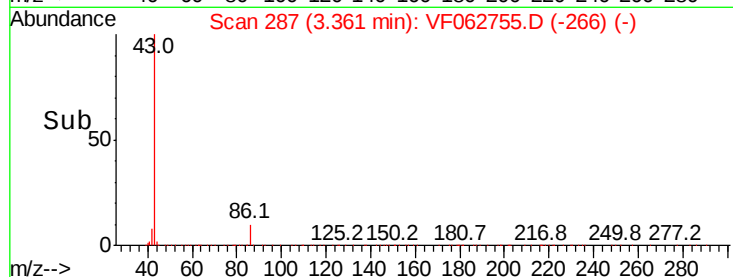
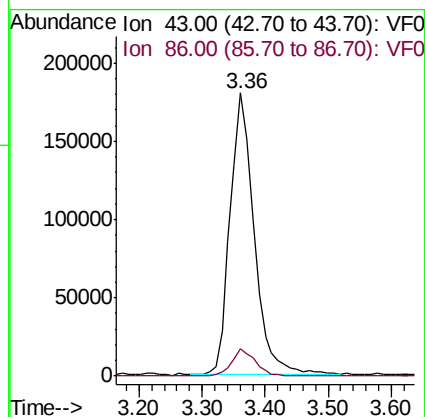
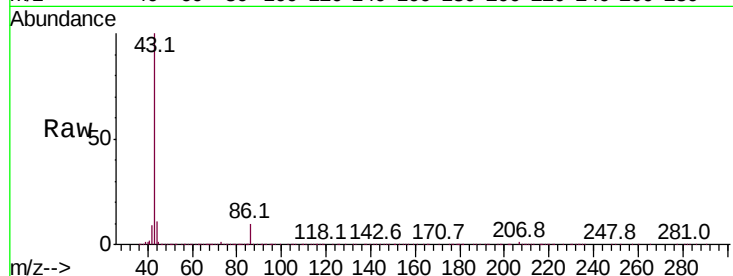
43 100

86 9.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 20.744 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

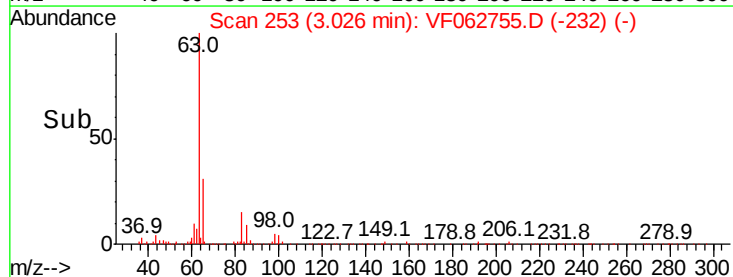
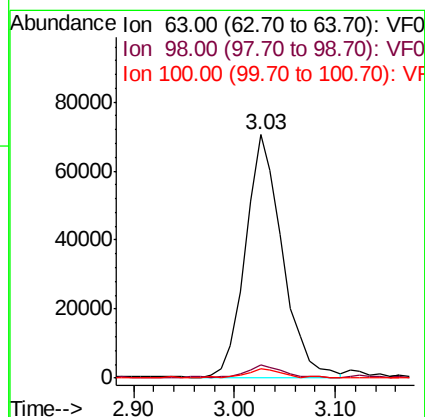
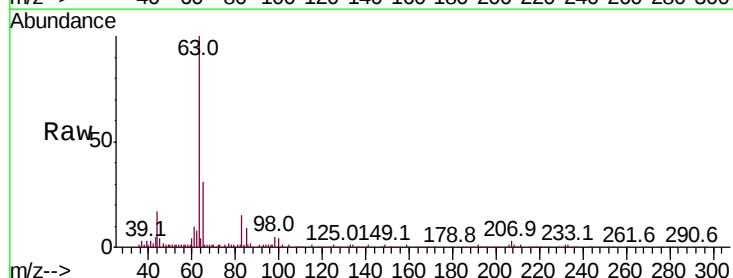
Tgt Ion: 63 Resp: 178806

Ion Ratio Lower Upper

63 100

98 5.4 2.8 8.3

100 4.4 1.9 5.7





#25

2-Butanone

Concen: 39.875 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 43 Resp: 91515

Ion Ratio Lower Upper

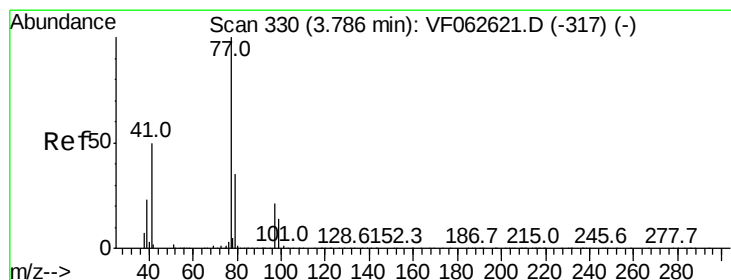
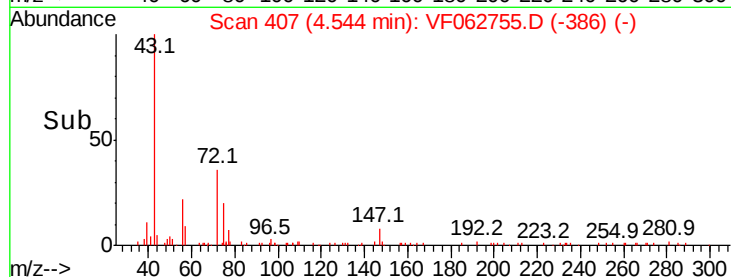
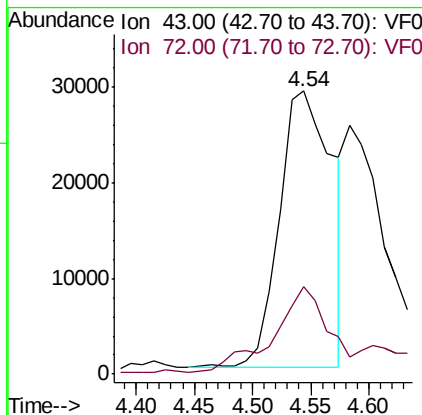
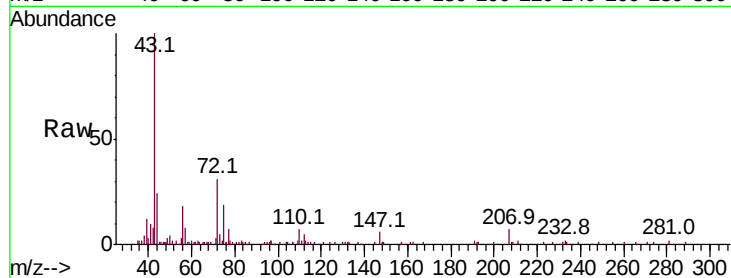
43 100

72 30.8 20.1 30.1#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 31.866 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062755.D

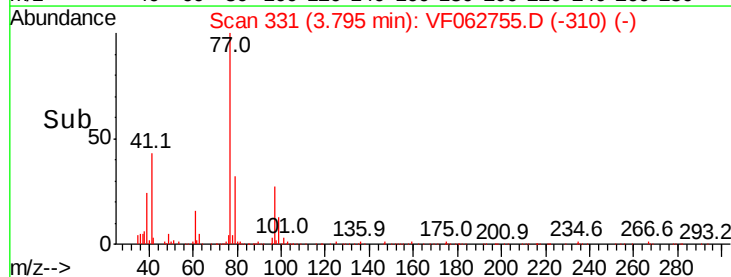
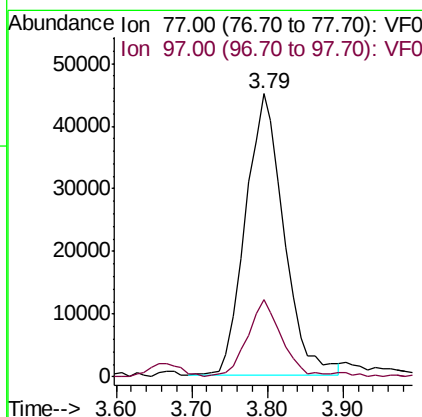
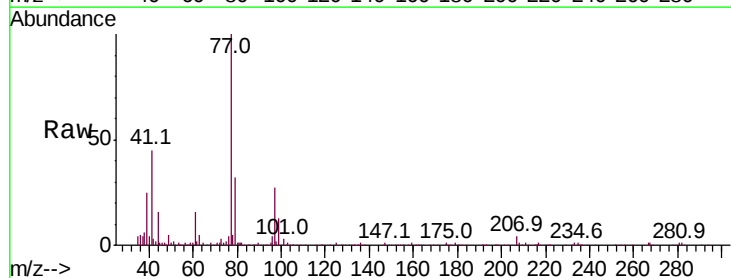
Acq: 28 May 2019 12:37

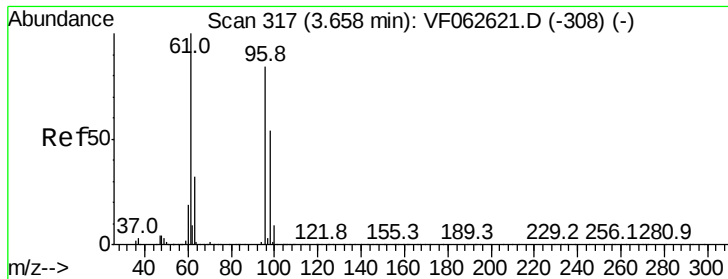
Tgt Ion: 77 Resp: 157160

Ion Ratio Lower Upper

77 100

97 27.4 14.1 42.4





#27

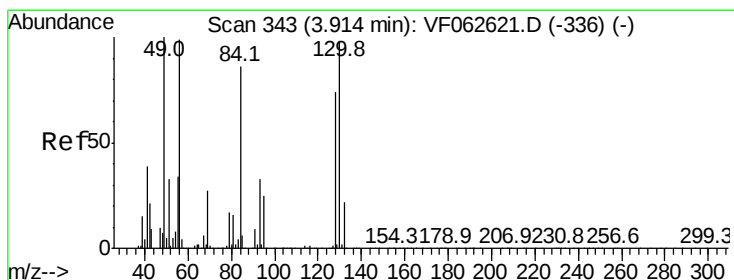
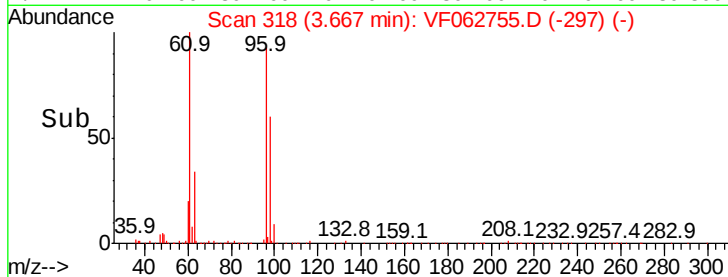
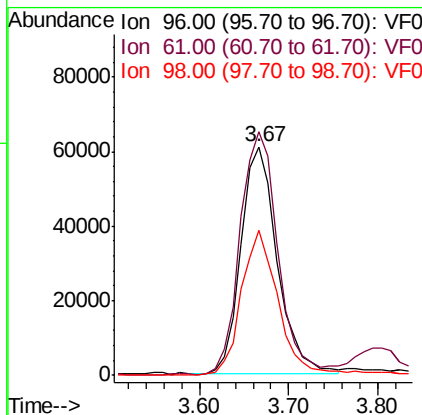
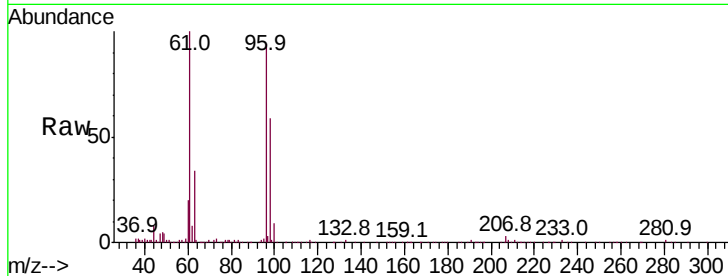
cis-1,2-Dichloroethene
Concen: 20.198 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170930		
61	106.5	0.0	237.4	
98	63.3	0.0	129.0	

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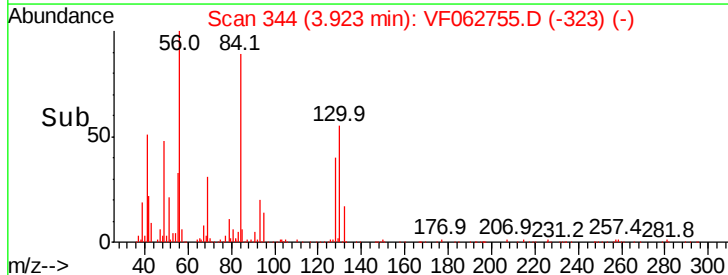
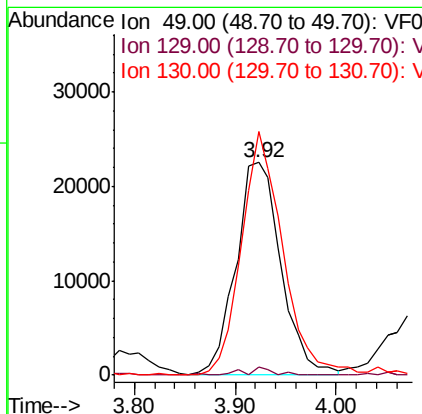
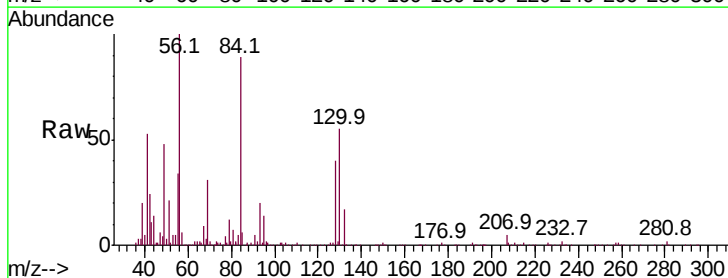
MMDadoda
5/29/2019 11:01:56 AM

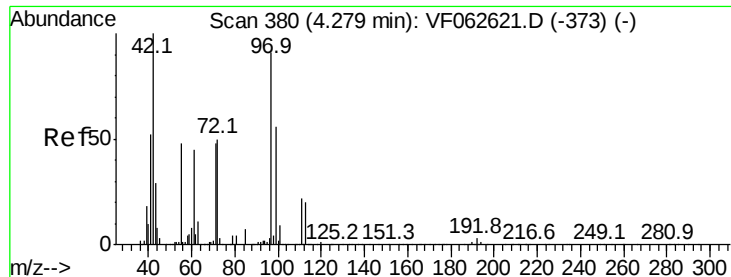


#28

Bromochloromethane
Concen: 14.556 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70366		
129	3.7	0.0	4.0	
130	114.7	77.8	116.8	





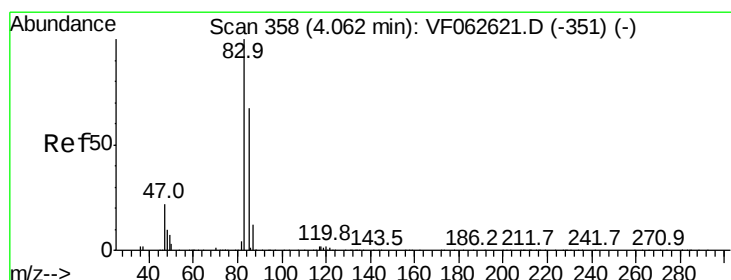
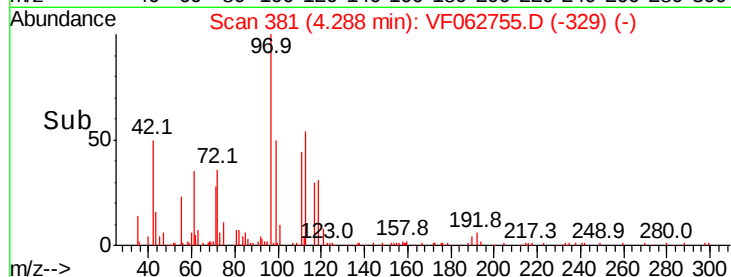
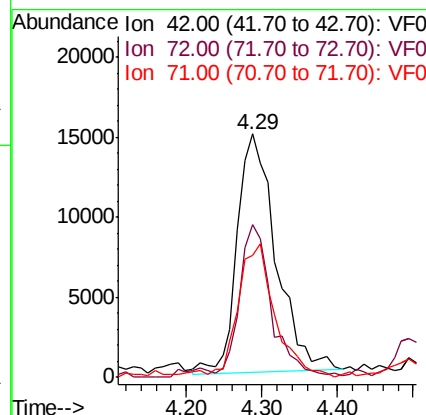
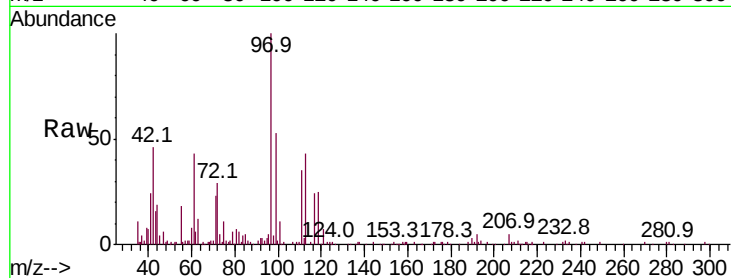
#29
Tetrahydrofuran
Concen: 56.902 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.6	38.2	57.2
71	54.3	35.8	53.6

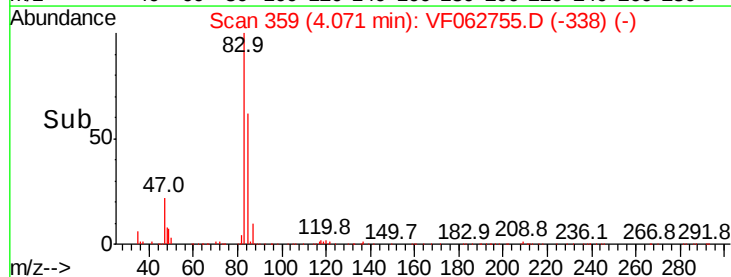
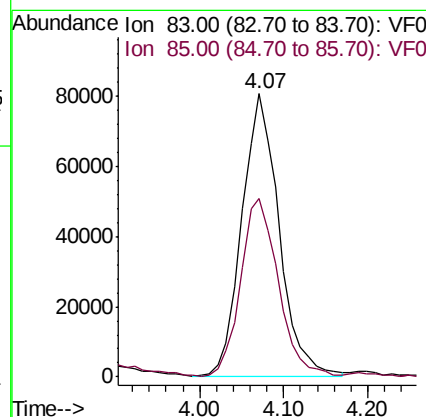
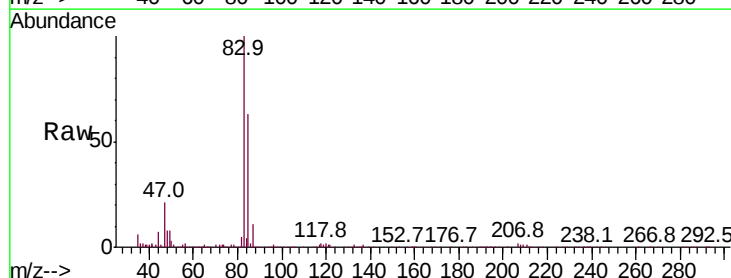
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APPROVED

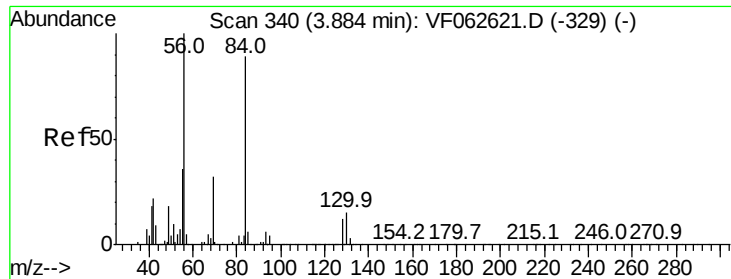
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5/29/2019 11:01:56 AM



#30
Chloroform
Concen: 20.964 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	53.6	80.4





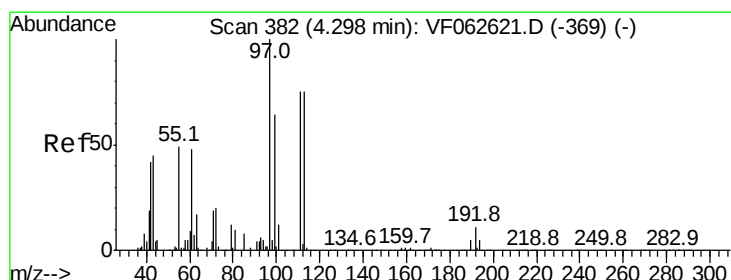
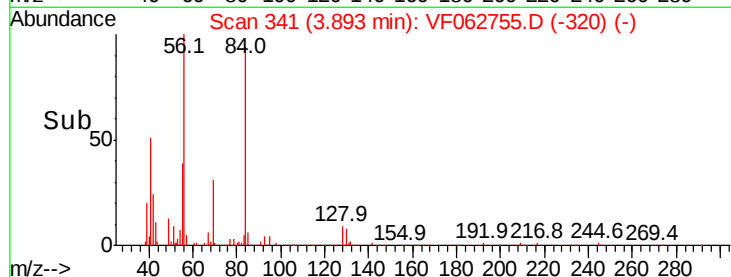
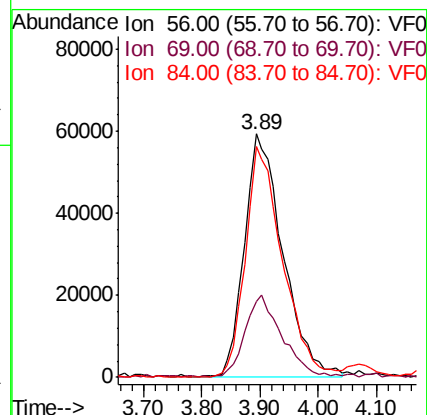
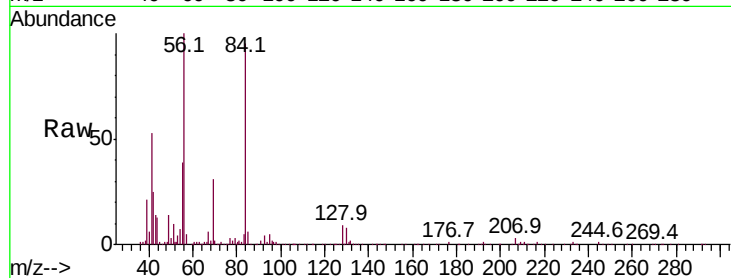
#31
Cvclohexane
Concen: 23.853 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.0	25.3	37.9
84	94.6	71.0	106.4

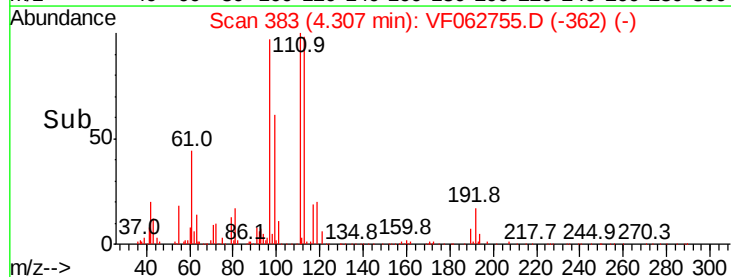
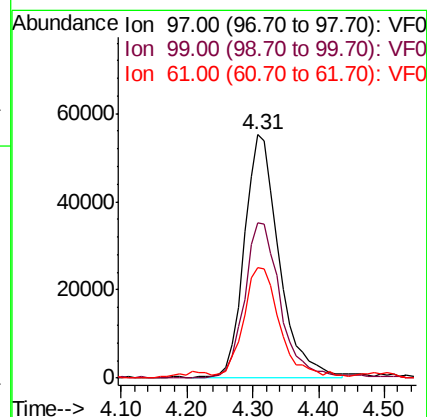
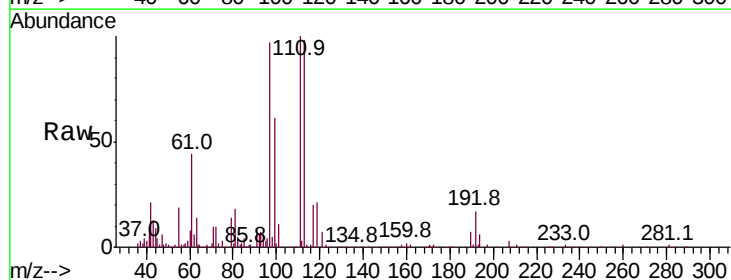
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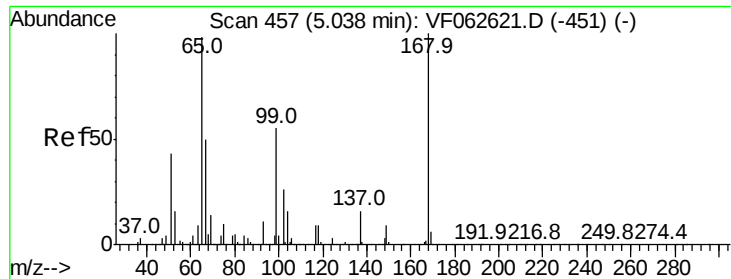
MMDadoda
5/29/2019 11:01:56 AM



#32
1,1,1-Trichloroethane
Concen: 25.821 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	51.3	76.9
61	45.6	38.2	57.2





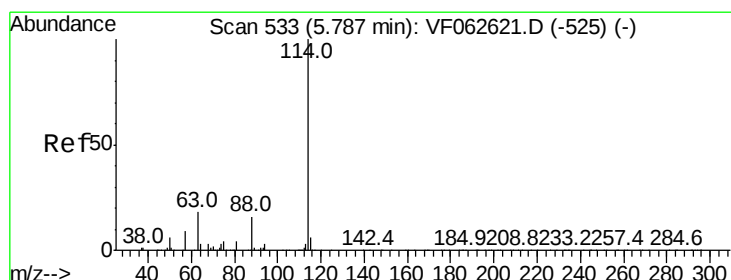
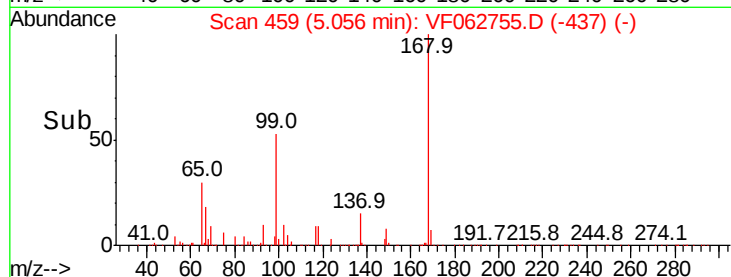
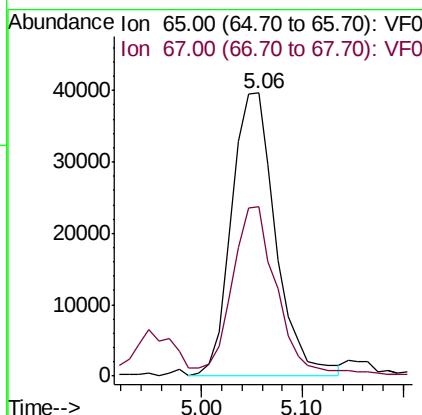
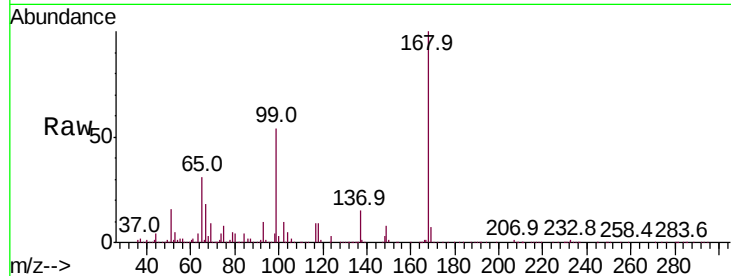
#33
 1,2-Dichloroethane-d4
 Concen: 28.944 ug/l
 RT: 5.06 min Scan# 459
 Delta R.T. 0.02 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	119847		
67	60.1	0.0	117.6	

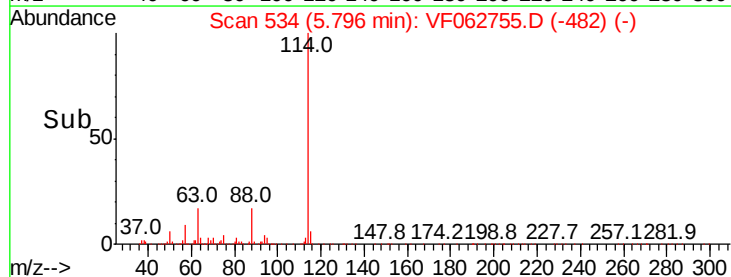
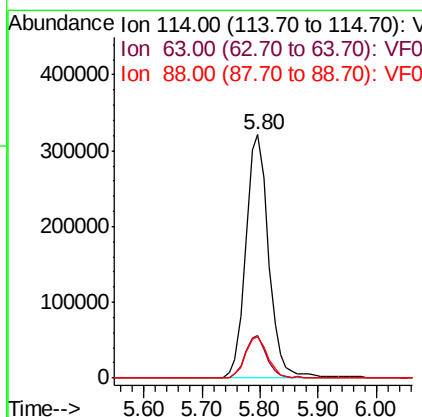
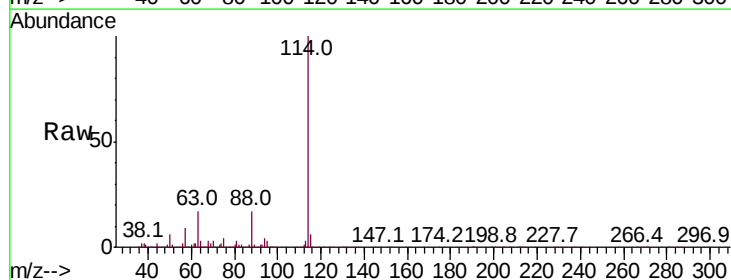
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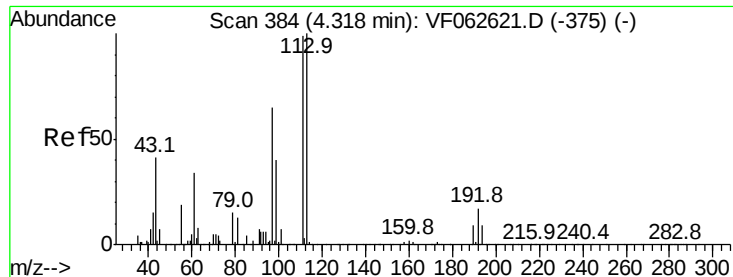
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 5/29/2019 11:01:56 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	876698		
63	17.5	0.0	35.4	
88	16.8	0.0	32.4	





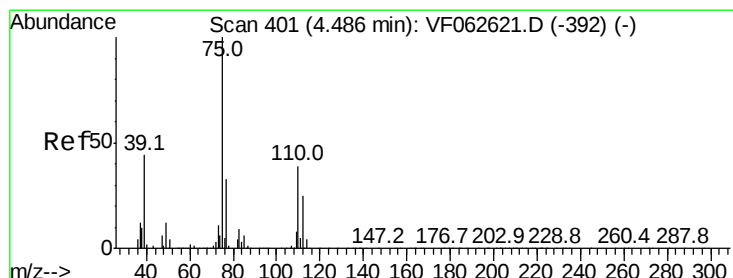
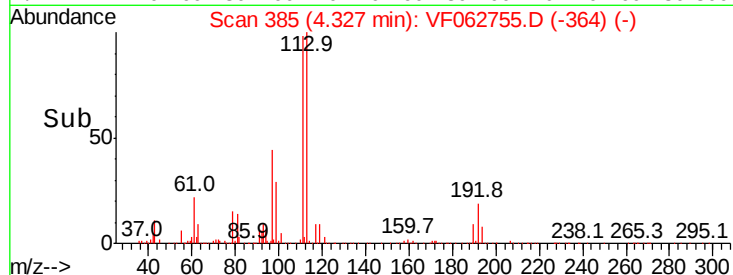
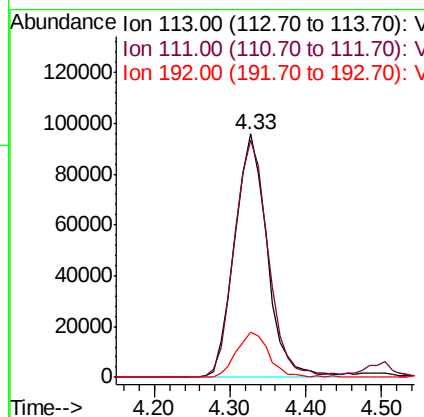
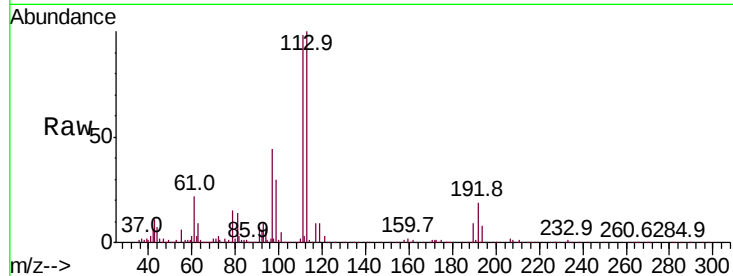
#35
 Dibromofluoromethane
 Concen: 42.757 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	286838		
111	97.6	79.4	119.2	
192	18.8	13.4	20.2	

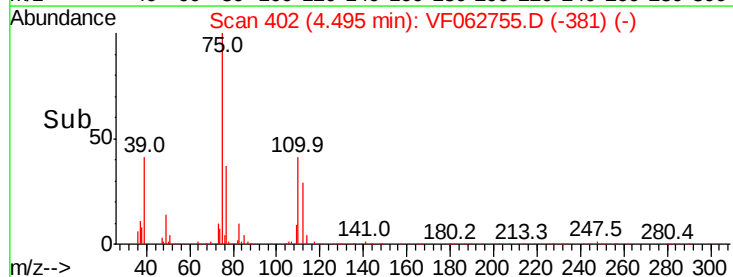
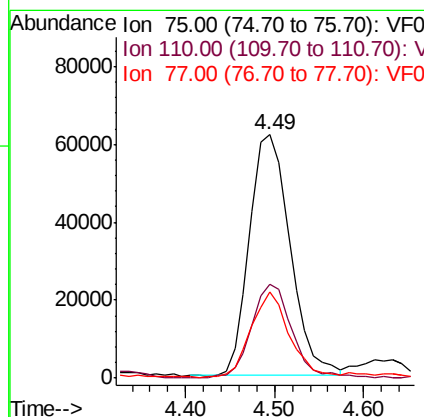
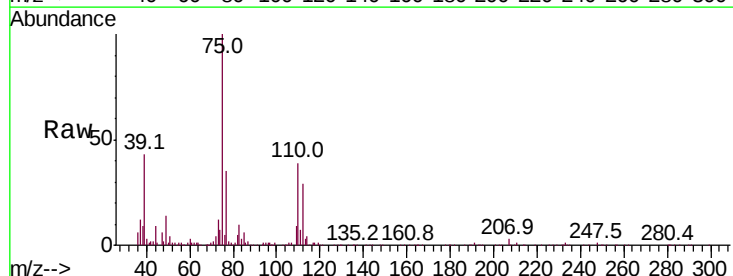
Manual Integrations
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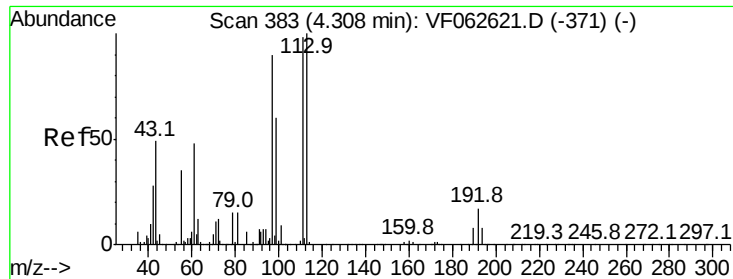
MMDadoda
 5/29/2019 11:01:56 AM



#36
 1,1-Dichloropropene
 Concen: 21.874 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	196507		
110	38.7	19.7	59.1	
77	35.3	26.3	39.5	





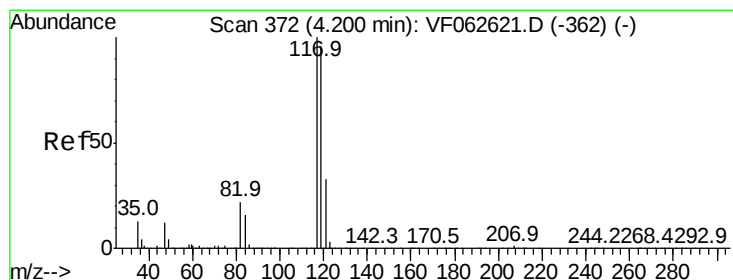
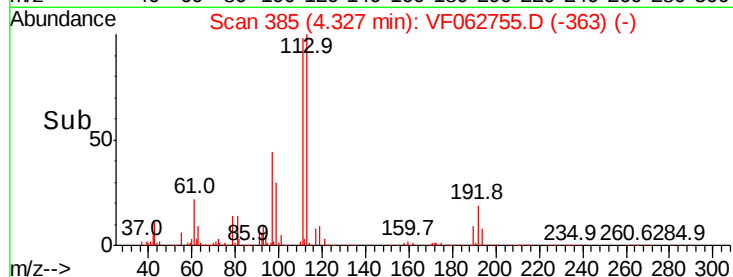
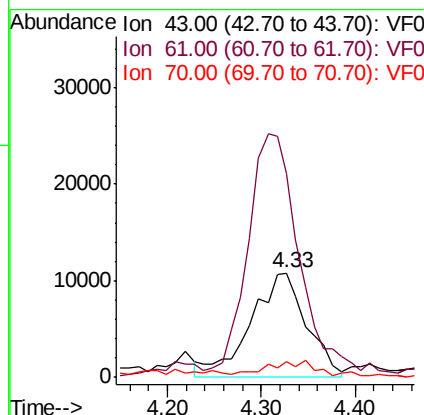
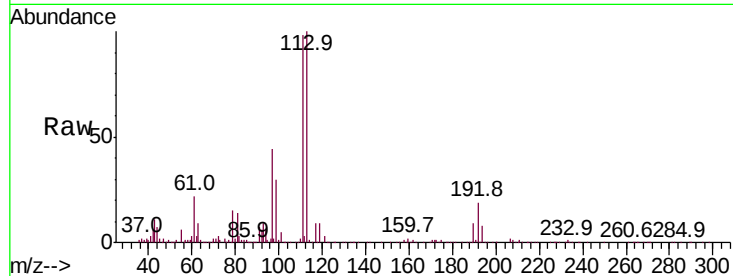
#37
Ethyl Acetate
Concen: 12.183 ug/l m
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	43	61	70
Ion Ratio	100	195.4	15.6
Resp: Lower		76.9	8.8
Upper		115.3#	13.2#

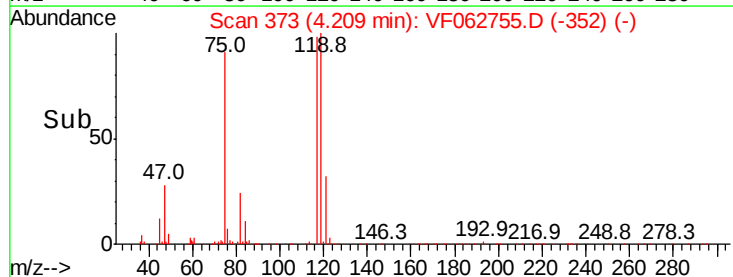
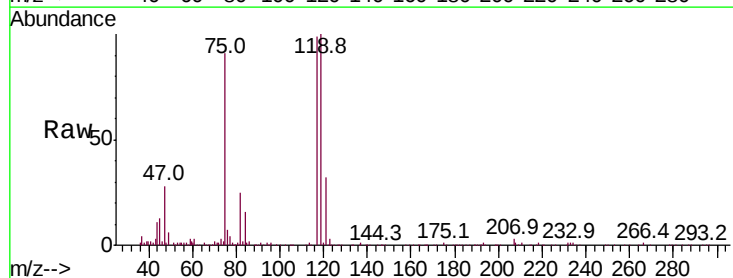
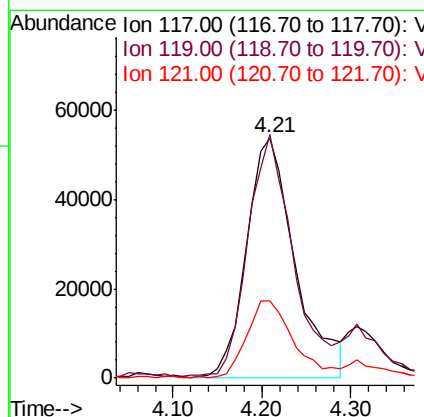
Manual Integrations
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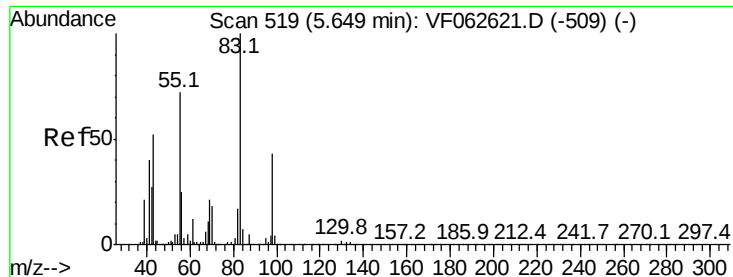
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#38
Carbon Tetrachloride
Concen: 29.963 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	117	119	121
Ion Ratio	100	101.4	32.4
Resp: Lower		76.7	26.6
Upper		115.1	40.0





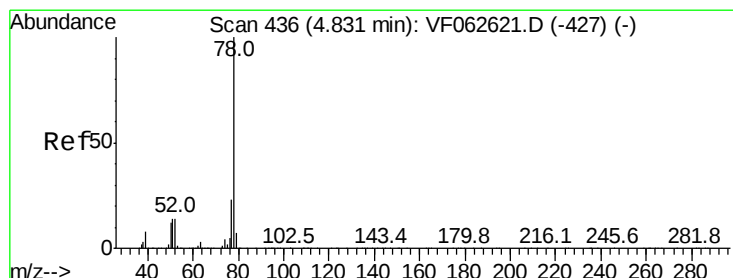
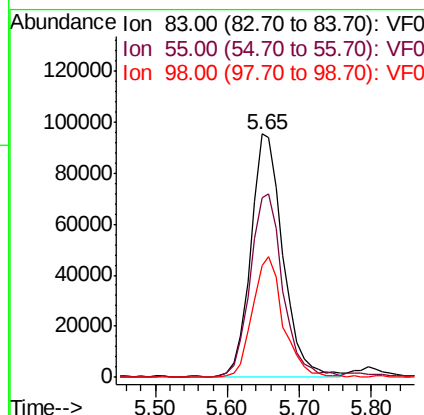
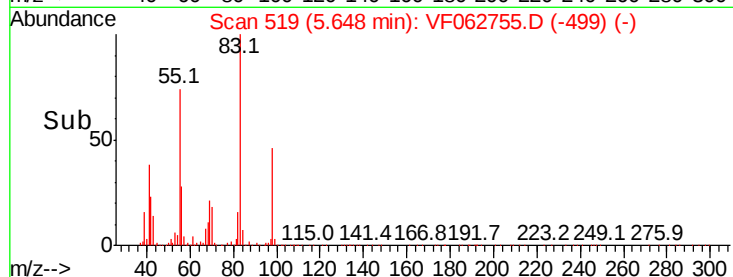
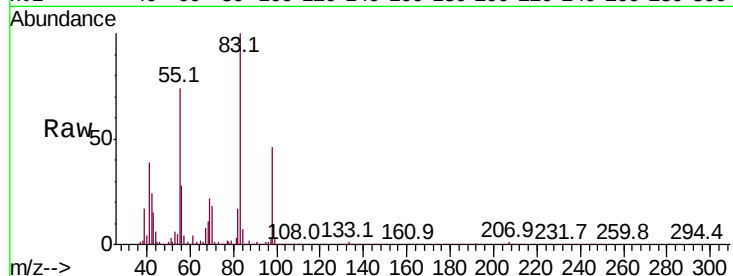
#39
Methvlcvclohexane
Concen: 27.415 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	296336		
55	73.8		57.9	86.9
98	45.9		34.6	52.0

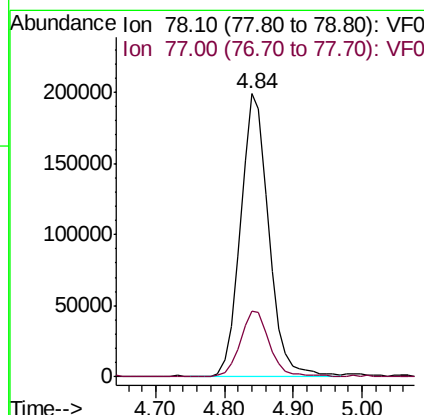
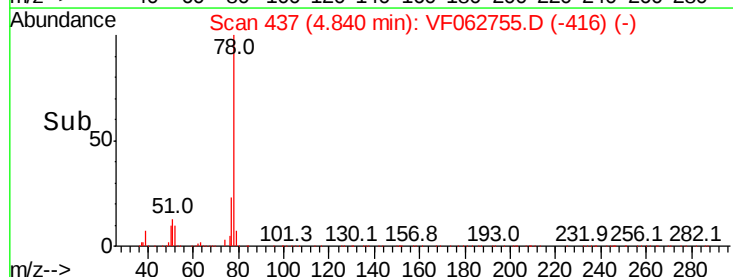
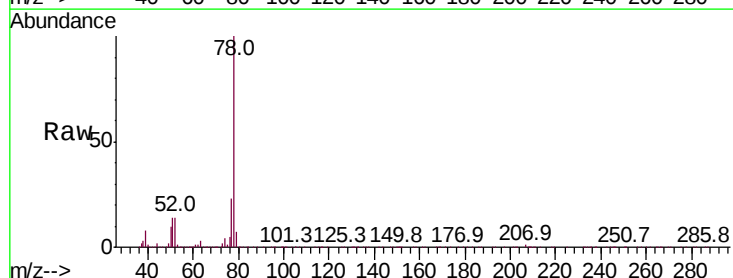
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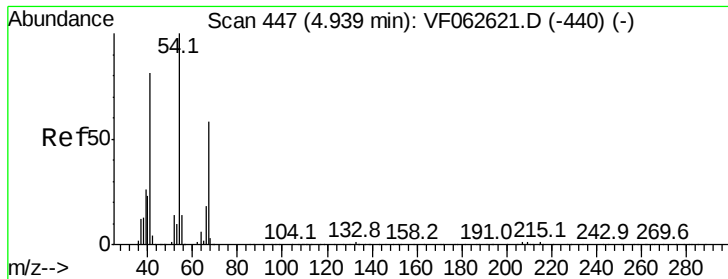
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#40
Benzene
Concen: 23.151 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	566572		
77	23.2		18.2	27.2





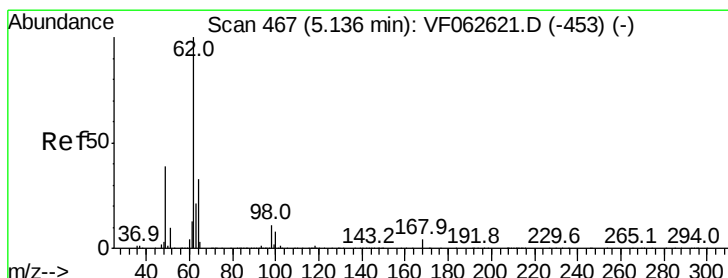
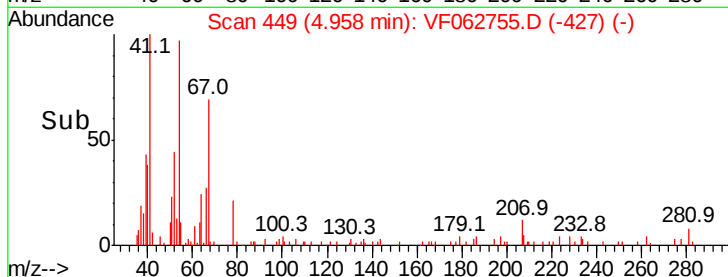
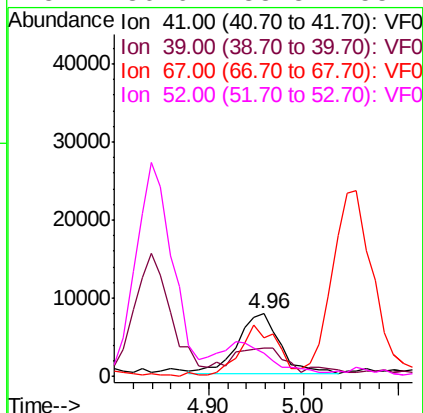
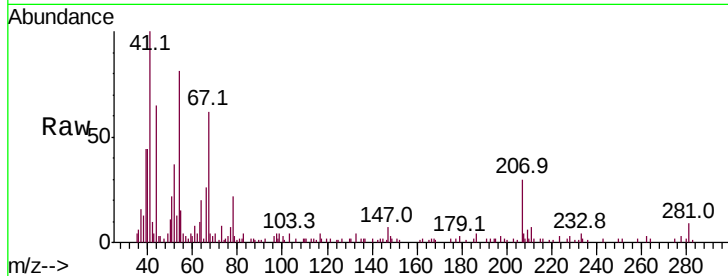
#41
Methacrylonitrile
Concen: 12.268 ug/l
RT: 4.96 min Scan# 449
Delta R.T. 0.02 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.4	42.2	63.2
67	61.6	56.4	84.6
52	36.6	38.8	58.2#

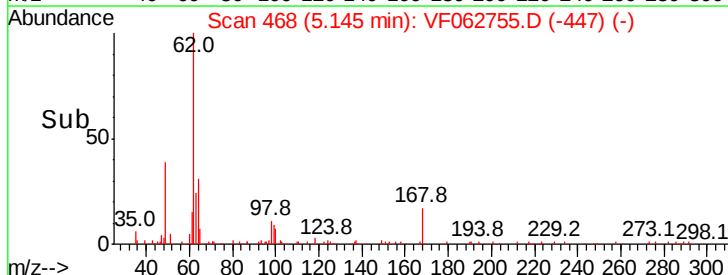
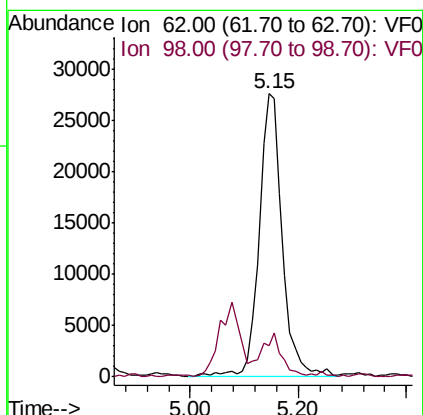
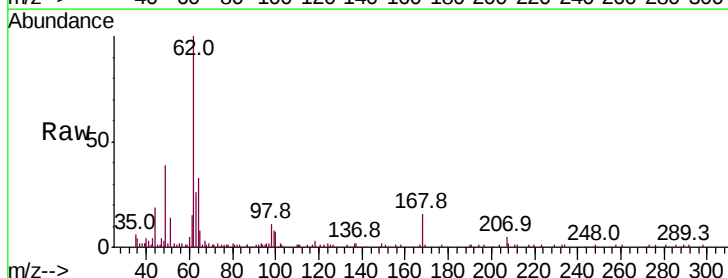
Manual Integrations
APPROVED

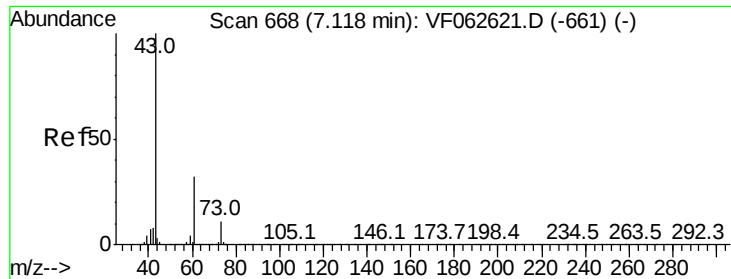
MMDadoda
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#42
1,2-Dichloroethane
Concen: 16.881 ug/l
RT: 5.15 min Scan# 468
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.1	0.0	21.6





#43

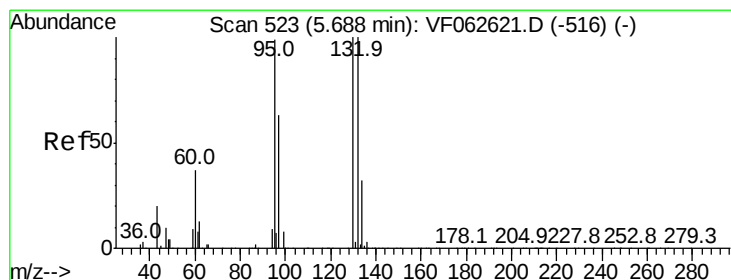
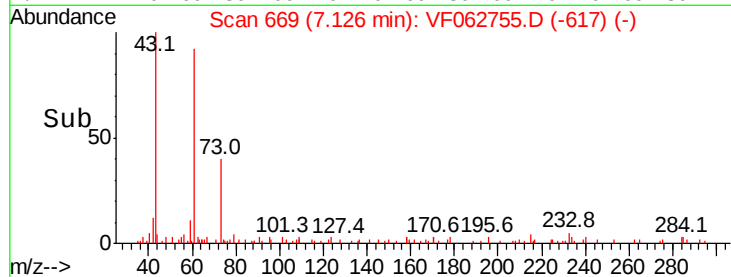
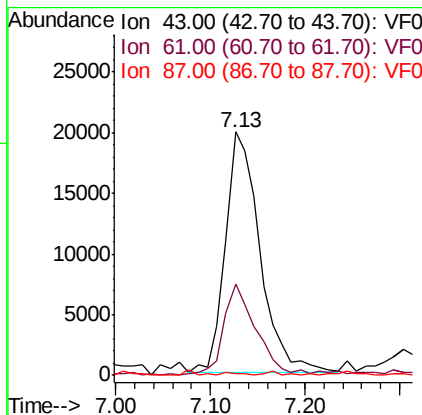
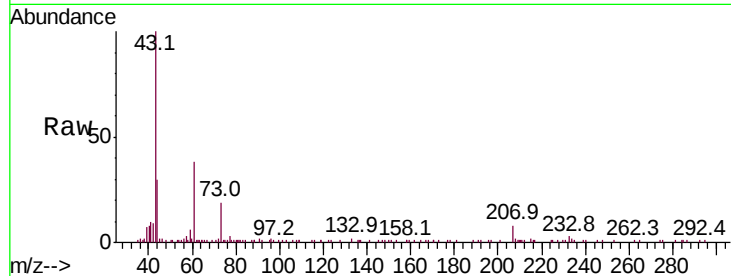
Isopropyl Acetate
 Concen: 10.574 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	25.8	38.8
87	0.5	0.4	0.6

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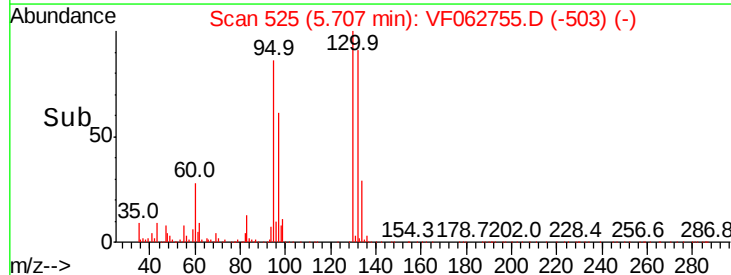
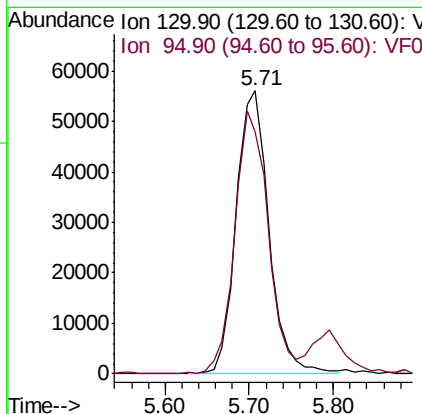
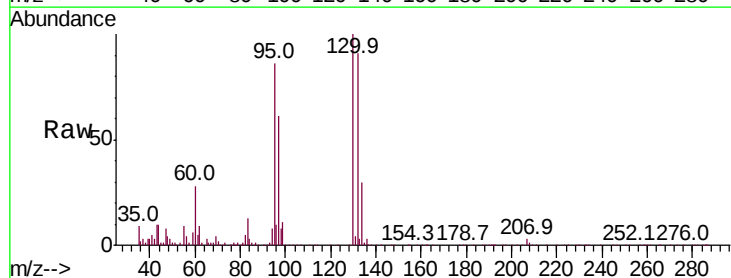
MMDadoda
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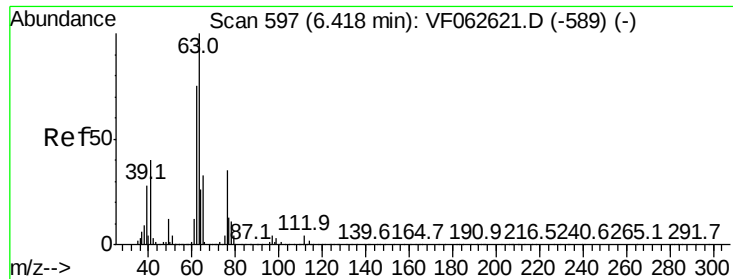


#44

Trichloroethene
 Concen: 22.158 ug/l
 RT: 5.71 min Scan# 525
 Delta R.T. 0.02 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	85.9	0.0	199.4





#45

1,2-Dichloropropane

Concen: 18.907 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 63 Resp: 116806

Ion Ratio Lower Upper

63 100

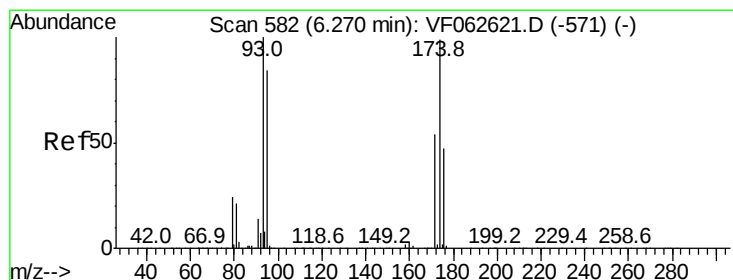
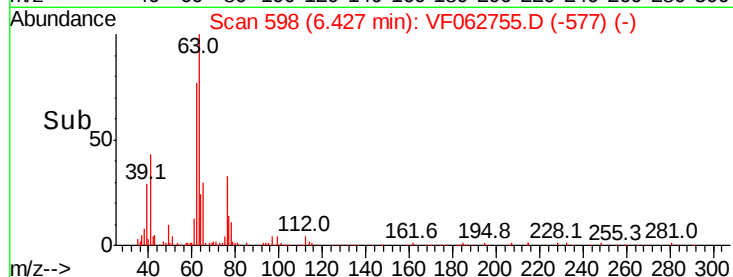
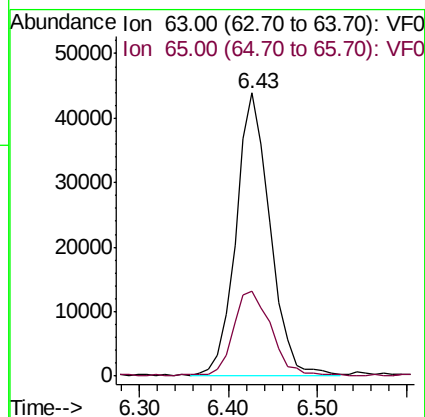
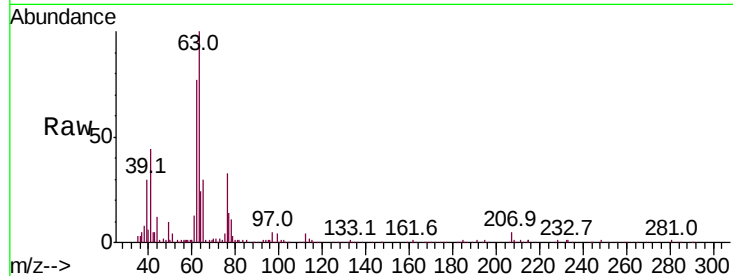
65 30.0 26.3 39.5

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#46

Dibromomethane

Concen: 16.615 ug/l

RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

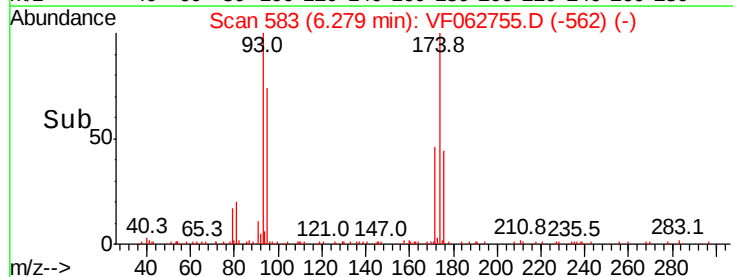
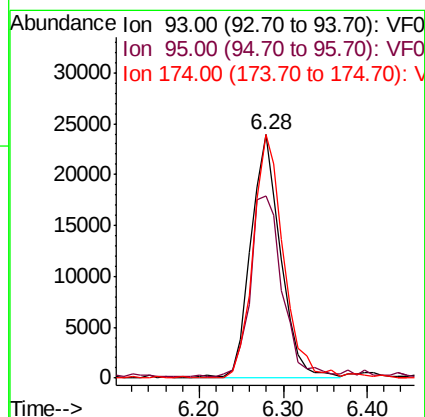
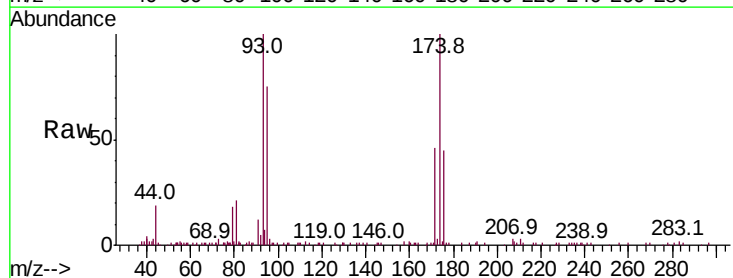
Tgt Ion: 93 Resp: 59323

Ion Ratio Lower Upper

93 100

95 75.1 67.4 101.2

174 100.2 79.4 119.2





#47

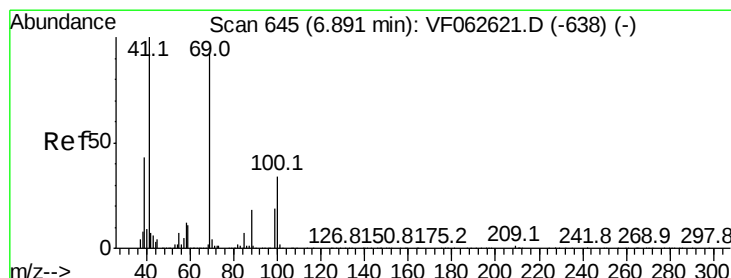
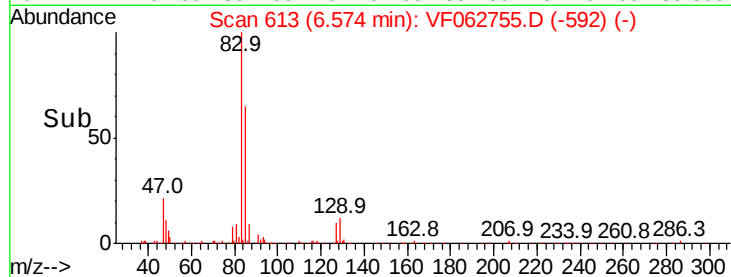
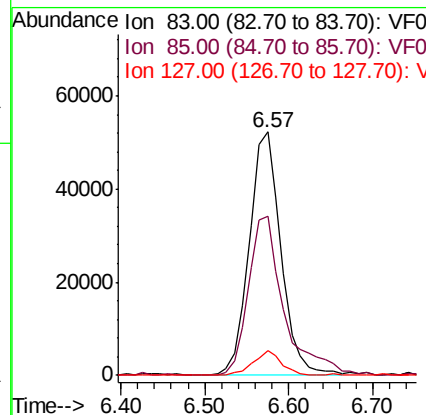
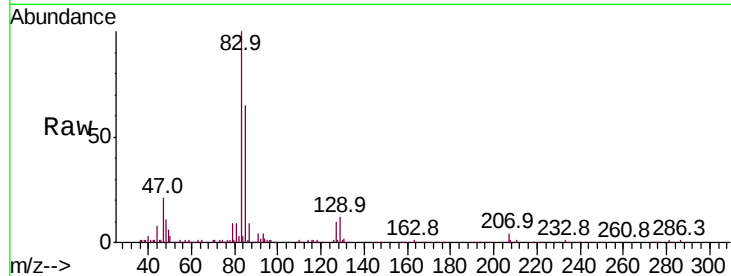
Bromodichloromethane
Concen: 18.644 ug/l
RT: 6.57 min Scan# 613
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.3	52.0	78.0	
127	10.7	7.7	11.5	

Manual Integrations
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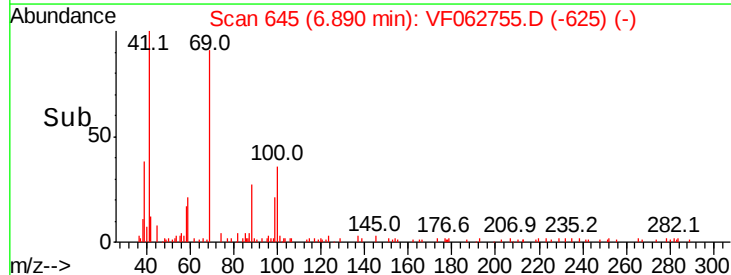
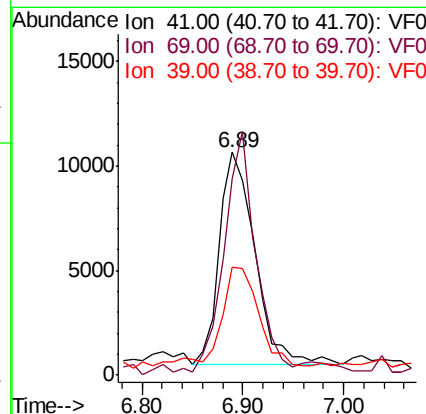
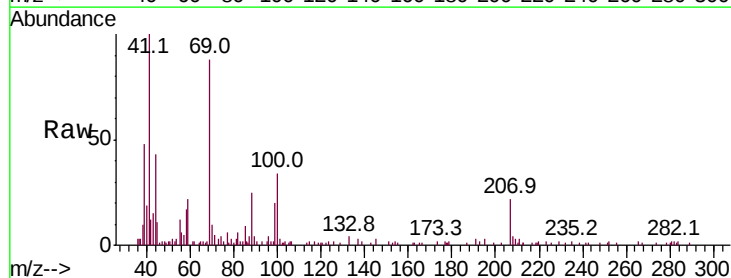
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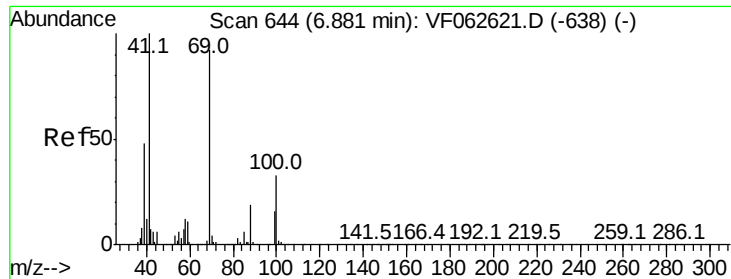


#48

Methyl methacrylate
Concen: 10.123 ug/l
RT: 6.89 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	88.1	74.2	111.2	
39	48.4	34.2	51.4	





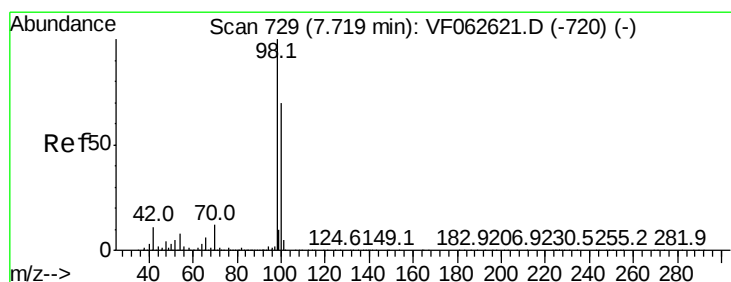
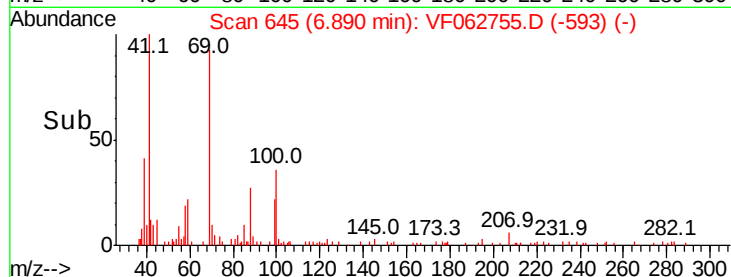
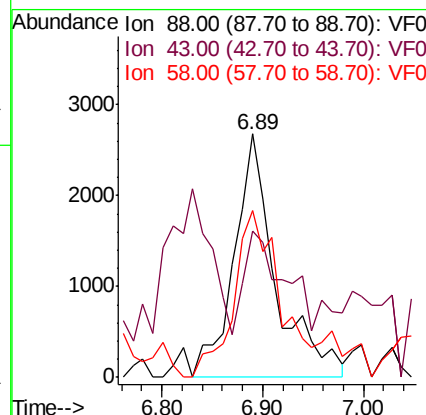
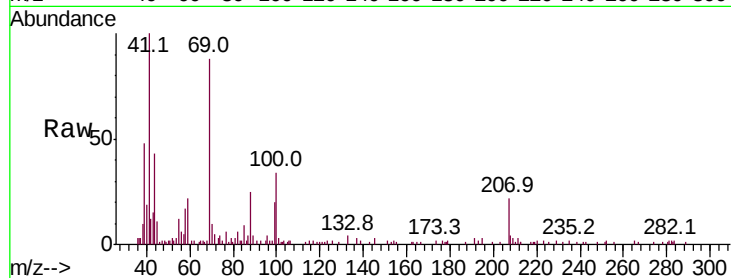
#49
1,4-Dioxane
Concen: 241.292 ug/l
RT: 6.89 min Scan# 645
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	60.1	30.0	45.0#
58	68.6	51.1	76.7

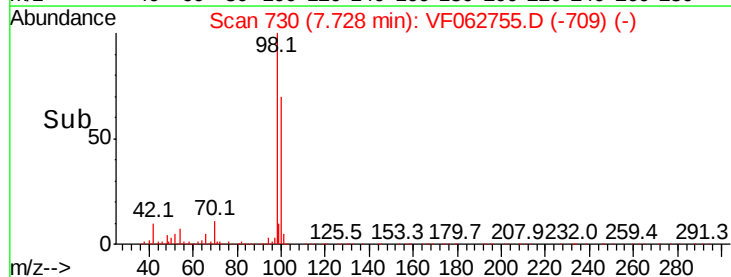
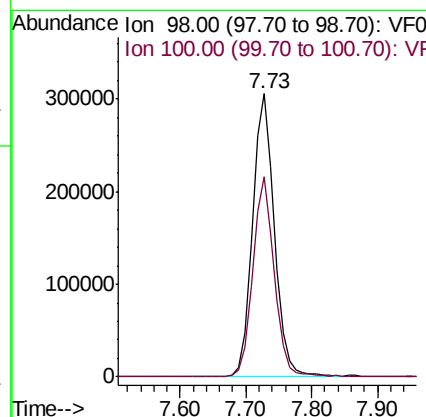
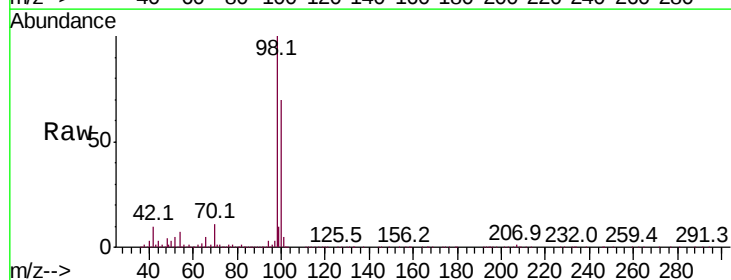
Manual Integrations
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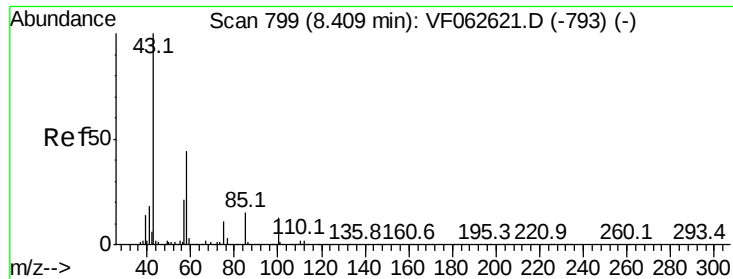
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#50
Toluene-d8
Concen: 44.376 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.5	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 60.093 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion: 43 Resp: 195191

Ion Ratio Lower Upper

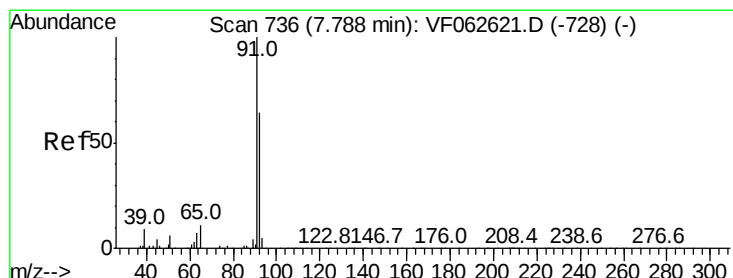
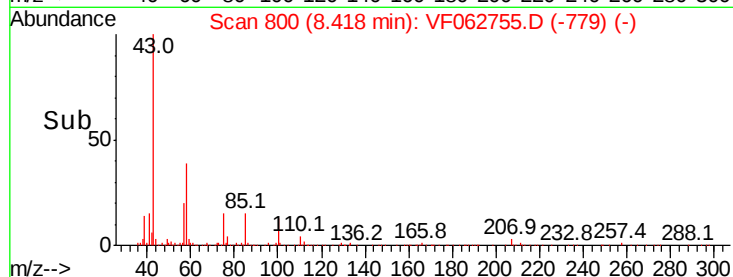
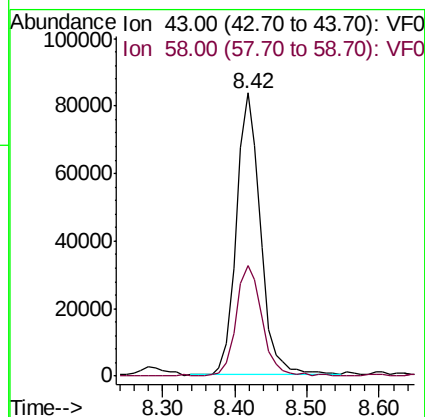
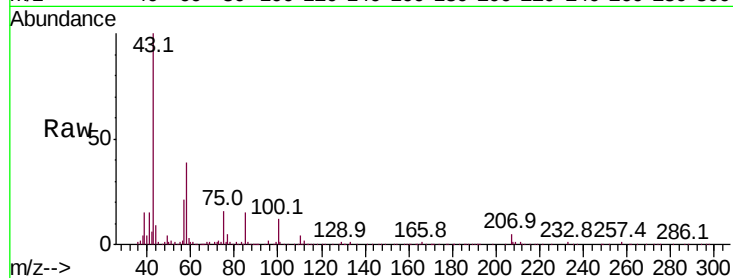
43 100

58 39.1 34.9 52.3

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#52

Toluene

Concen: 22.666 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062755.D

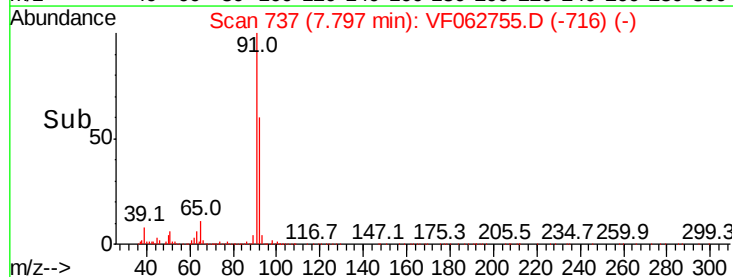
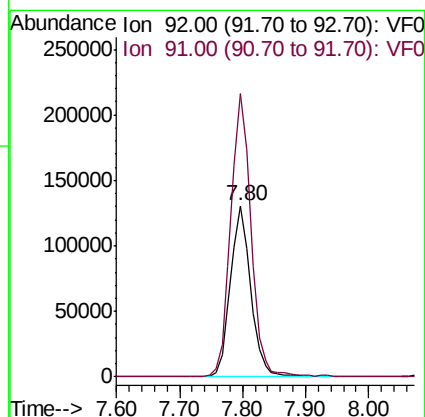
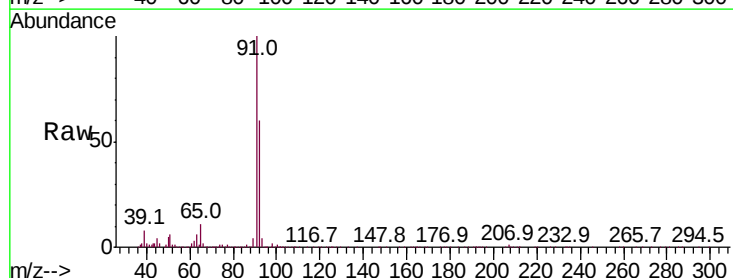
Acq: 28 May 2019 12:37

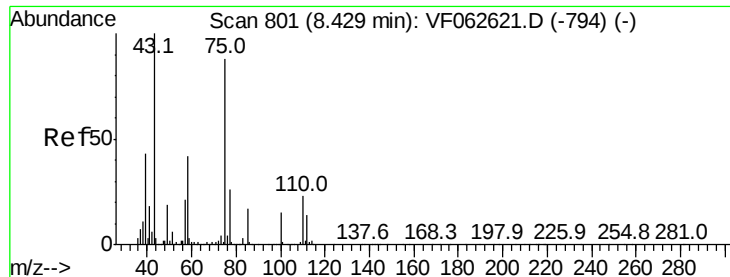
Tgt Ion: 92 Resp: 290911

Ion Ratio Lower Upper

92 100

91 165.7 125.4 188.0





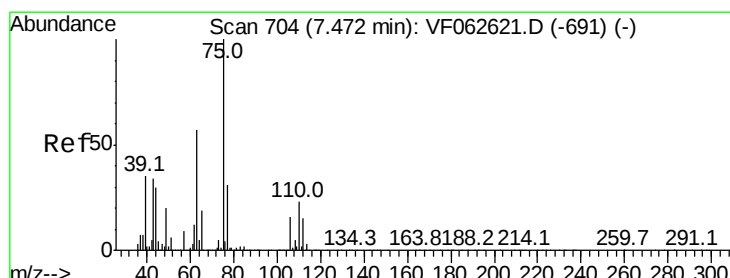
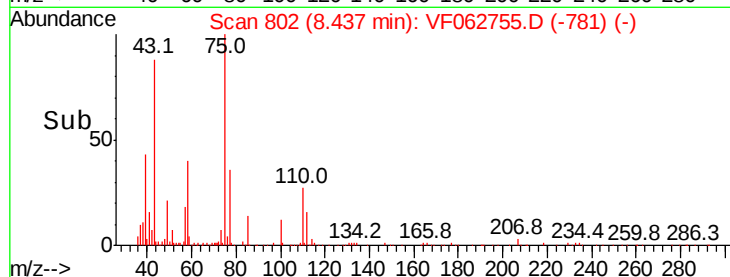
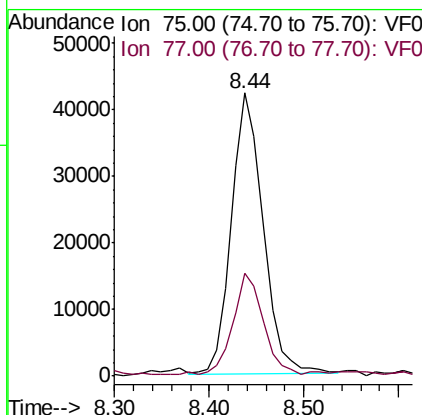
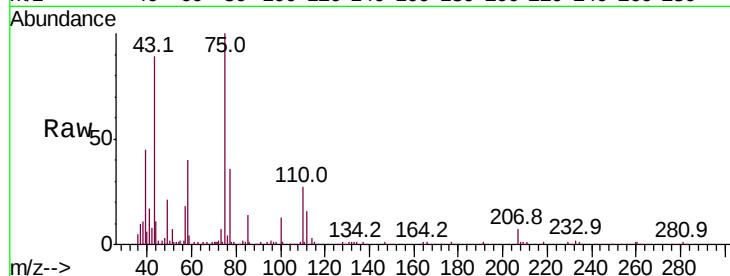
#53
t-1,3-Dichloropropene
Concen: 16.060 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 75 Resp: 97386
Ion Ratio Lower Upper
75 100
77 36.2 24.2 36.4

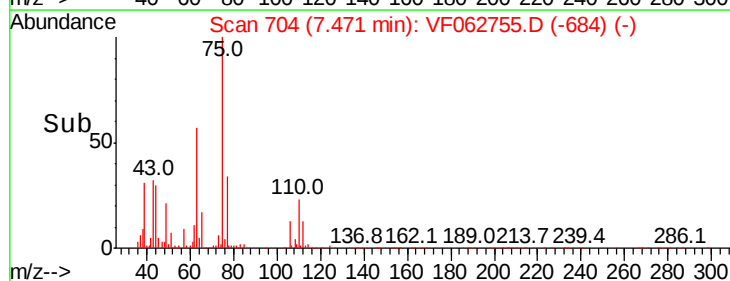
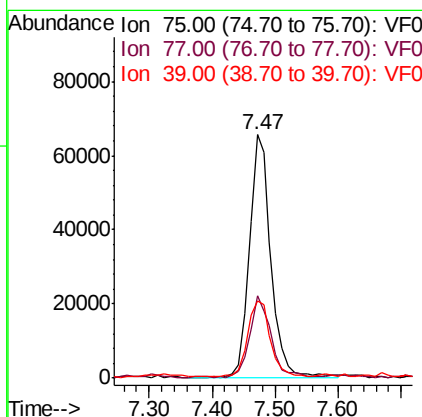
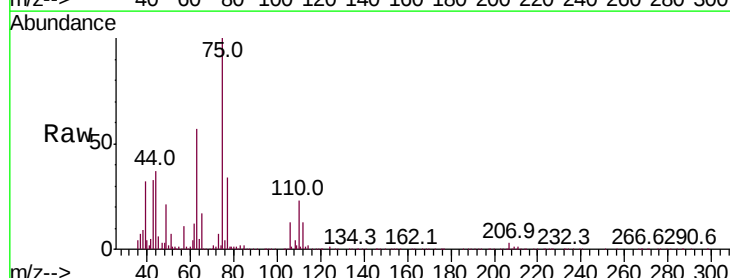
Manual Integrations
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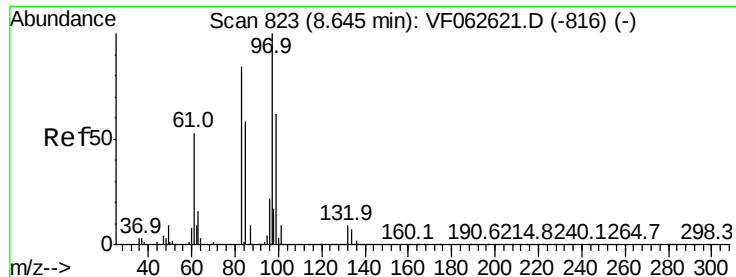
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.535 ug/l
RT: 7.47 min Scan# 704
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 75 Resp: 157338
Ion Ratio Lower Upper
75 100
77 34.1 25.3 37.9
39 31.9 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 15.076 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

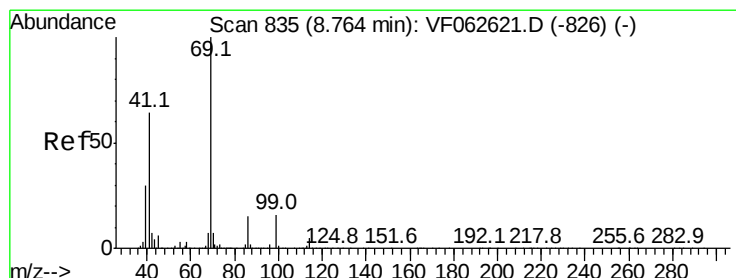
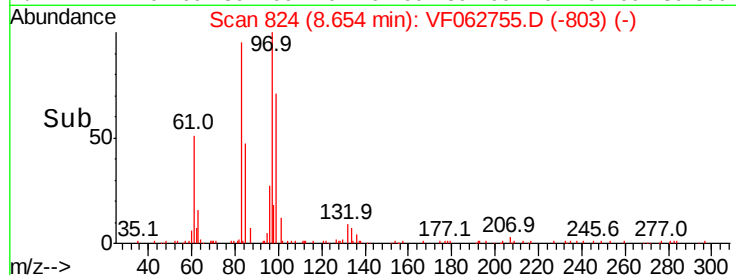
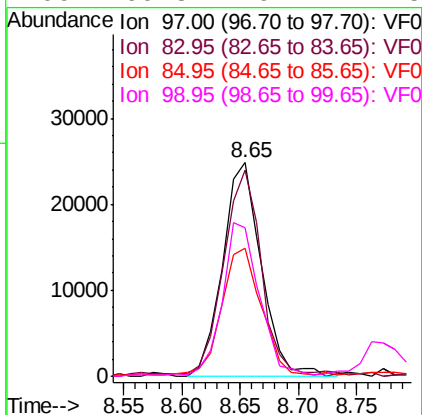
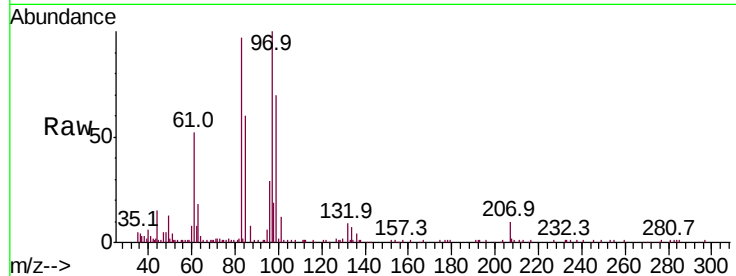
ClientSampleId :

VF0528SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	96.7	67.3	100.9
85	59.9	46.6	69.8
99	69.8	49.7	74.5

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#56

Ethyl methacrylate

Concen: 13.720 ug/l

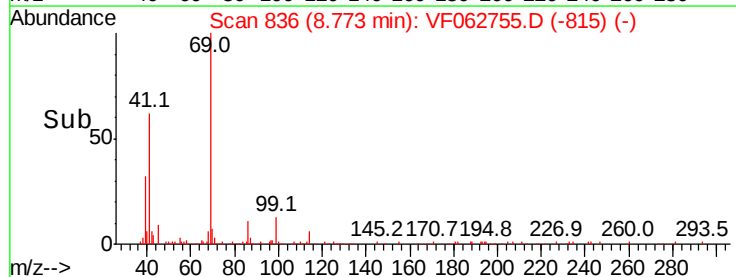
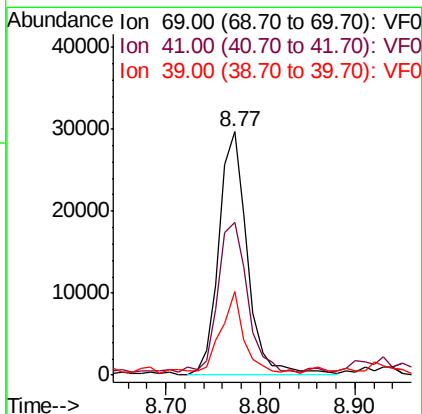
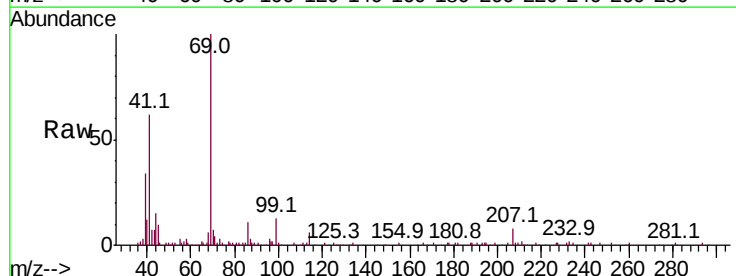
RT: 8.77 min Scan# 836

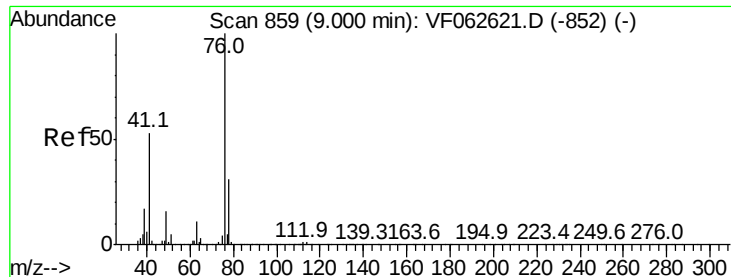
Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.5	51.4	77.2
39	34.5	23.6	35.4





#57

1,3-Dichloropropane

Concen: 15.917 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062755.D

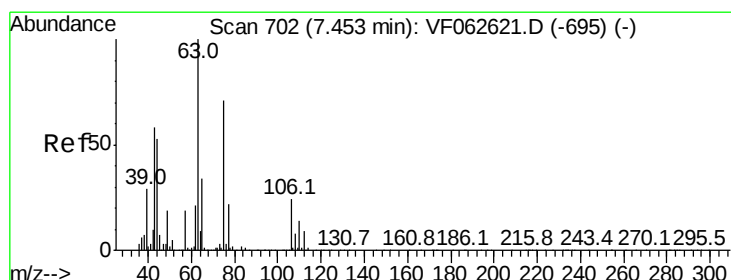
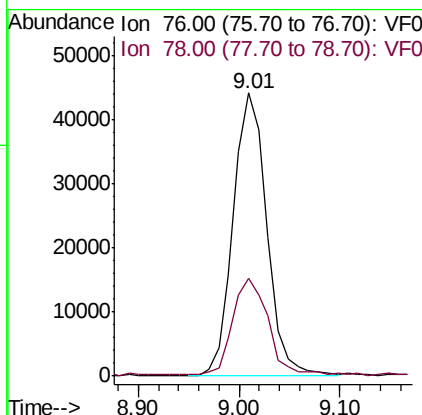
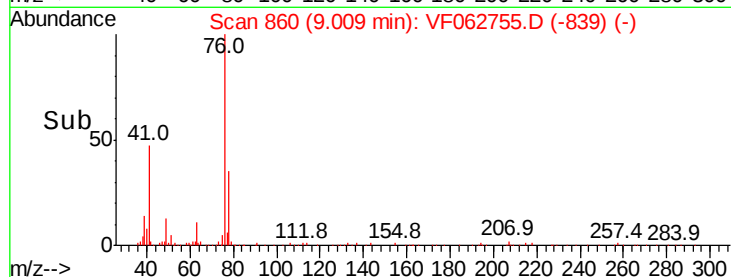
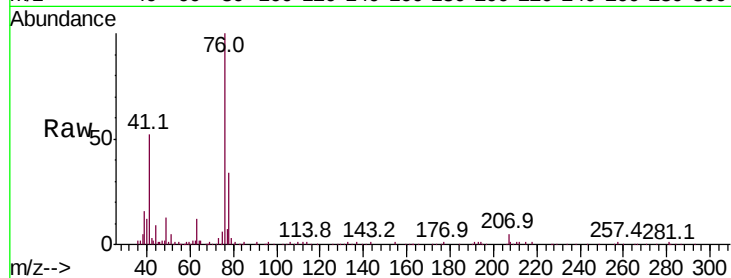
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.4	25.4	38.0

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 60.816 ug/l

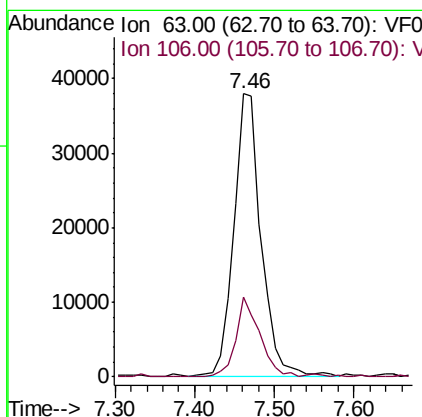
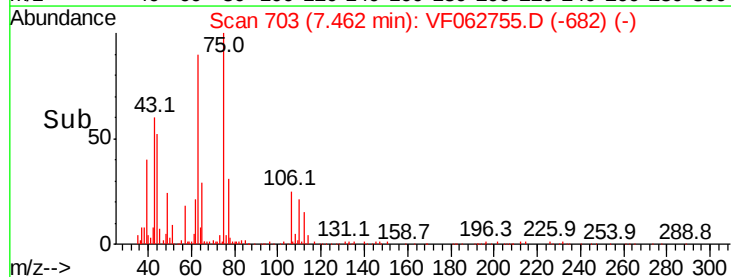
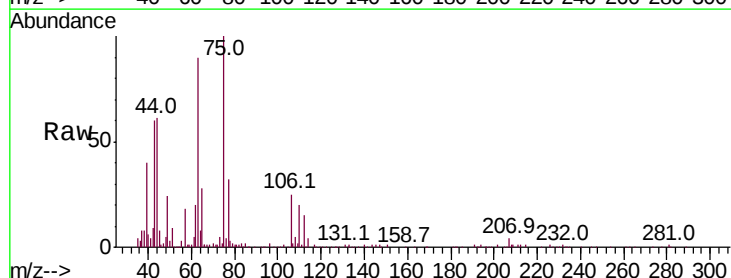
RT: 7.46 min Scan# 703

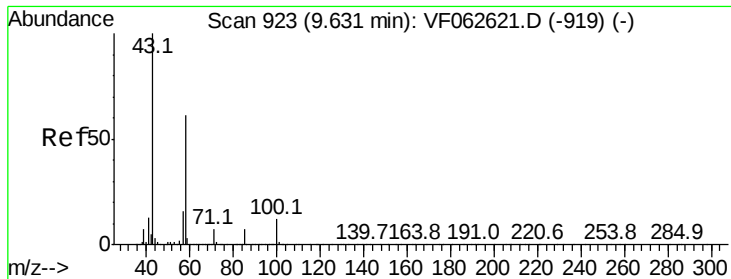
Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.0	19.1	28.7





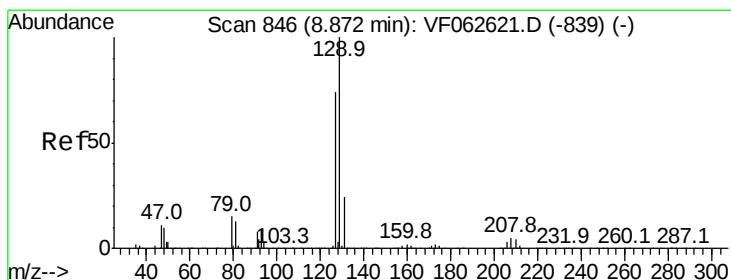
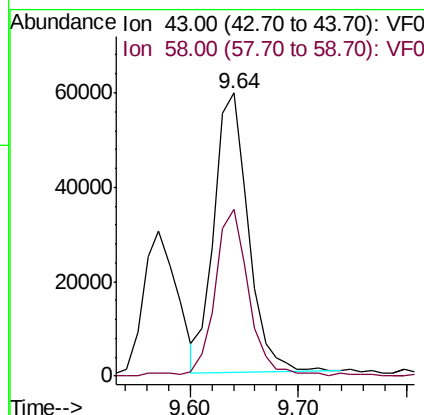
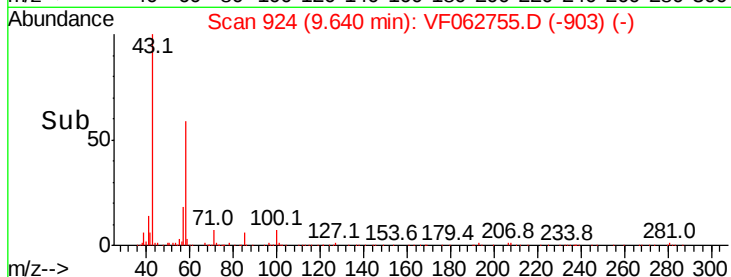
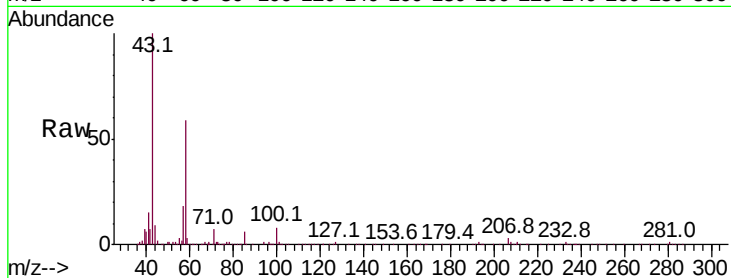
#59
2-Hexanone
Concen: 46.855 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 43 Resp: 129629
Ion Ratio Lower Upper
43 100
58 58.8 28.1 84.4

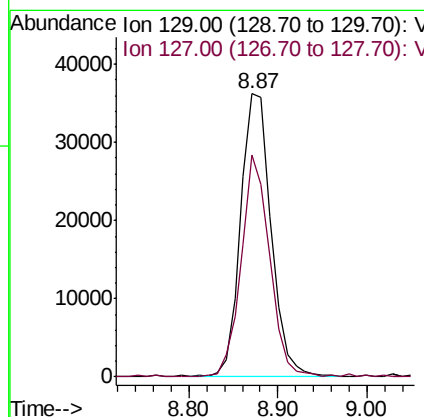
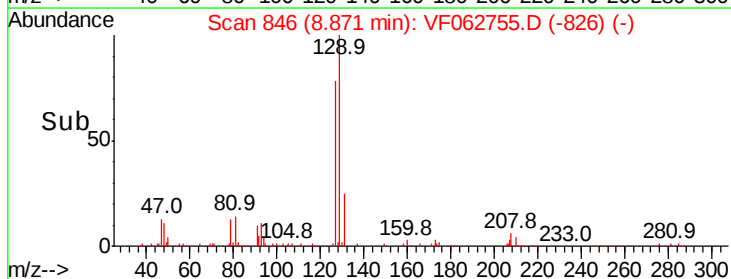
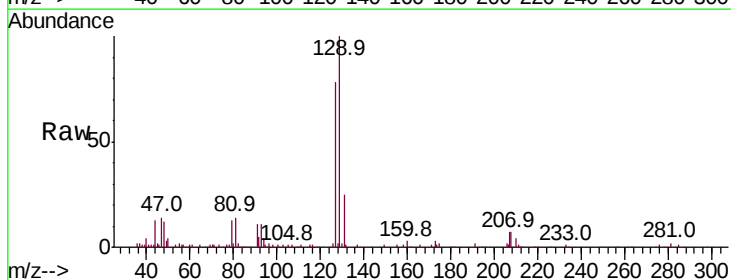
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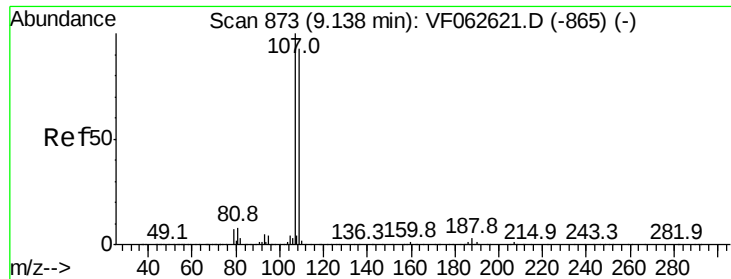
MMDadoda
5/29/2019 11:01:56 AM



#60
Dibromochloromethane
Concen: 17.411 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 129 Resp: 86238
Ion Ratio Lower Upper
129 100
127 78.2 37.2 111.6





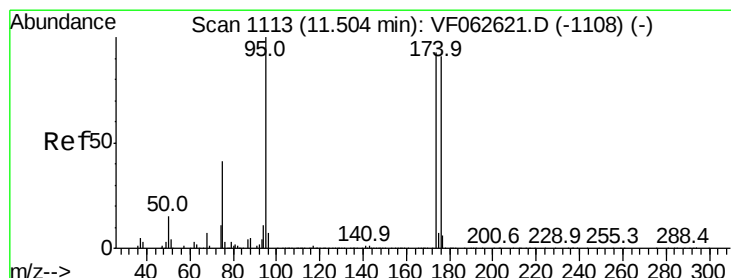
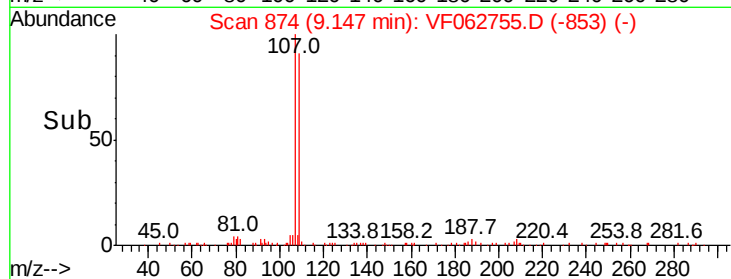
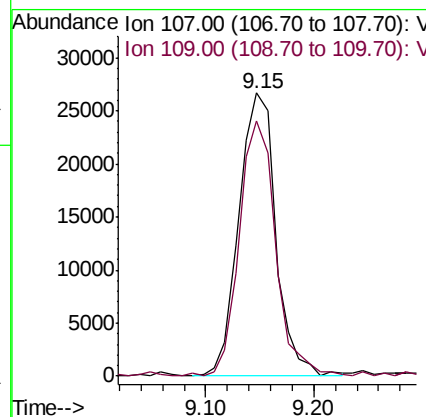
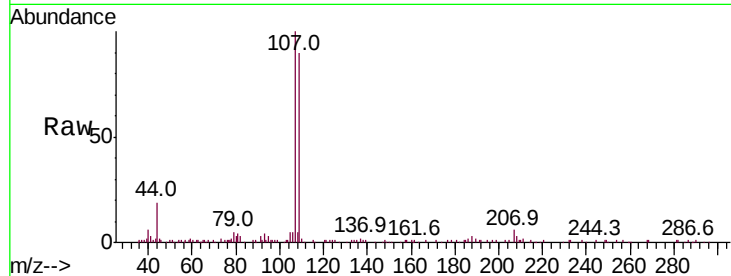
#61
 1,2-Dibromoethane
 Concen: 15.749 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.3	74.8	112.2

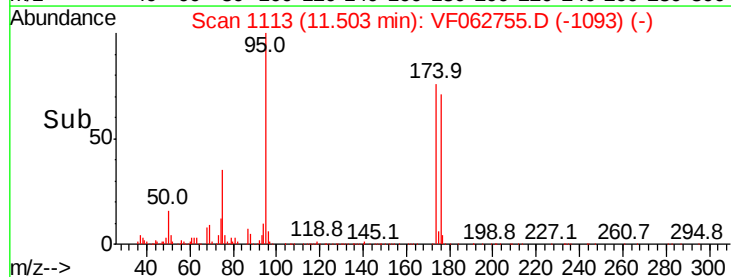
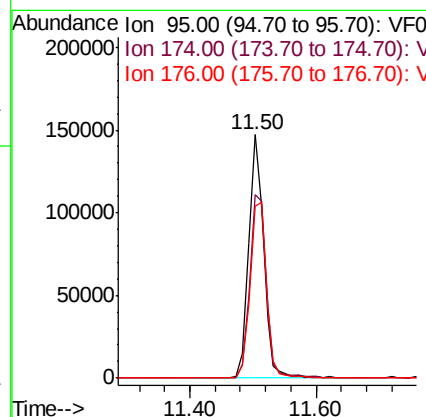
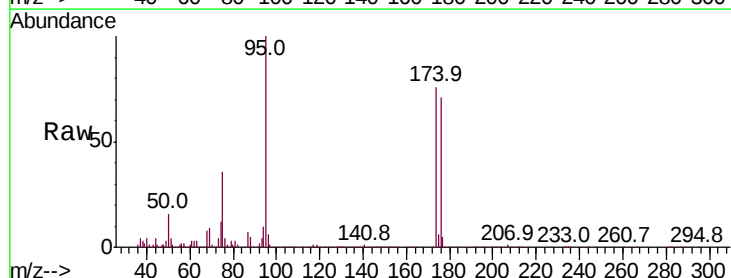
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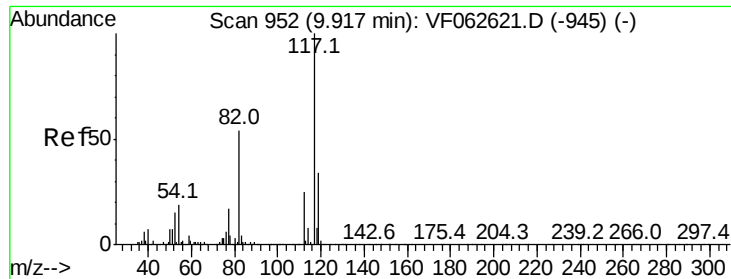
MMDadoda
 5/29/2019 11:01:56 AM



#62
 4-Bromofluorobenzene
 Concen: 39.599 ug/l
 RT: 11.50 min Scan# 1113
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.6	0.0	185.6
176	70.9	0.0	182.4





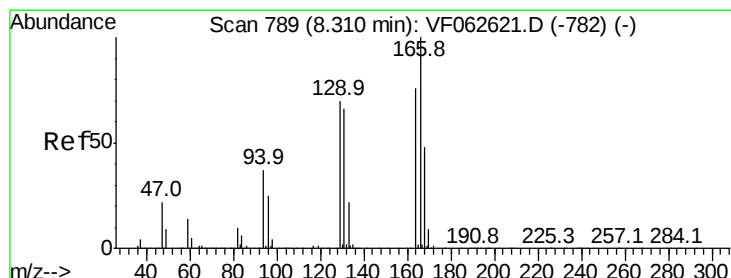
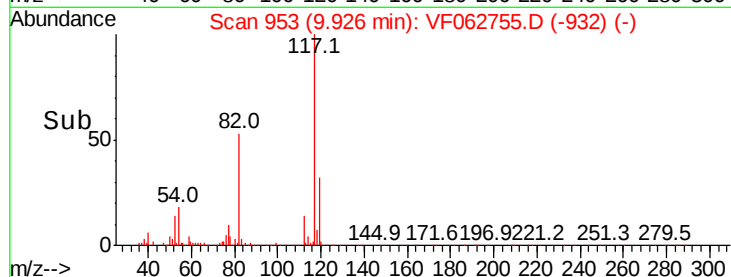
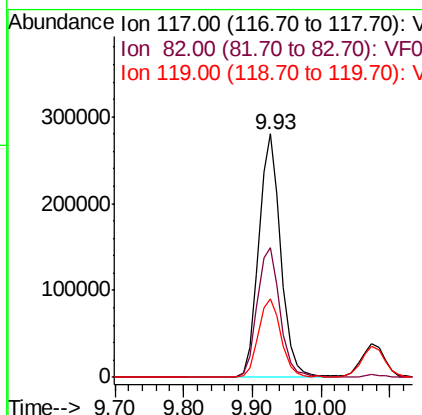
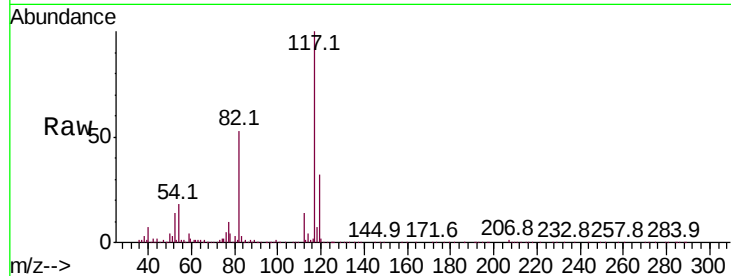
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	626496		
82	53.4	43.3	64.9	
119	32.4	27.4	41.0	

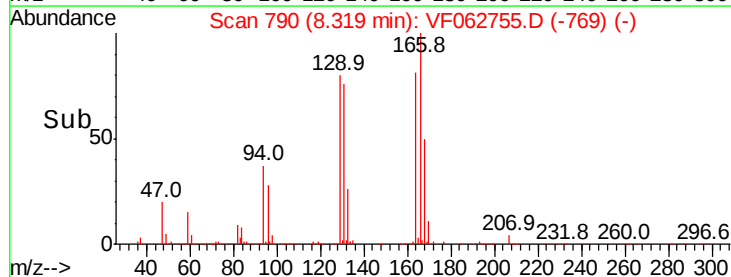
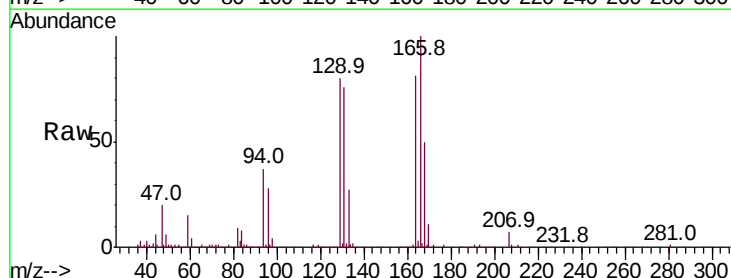
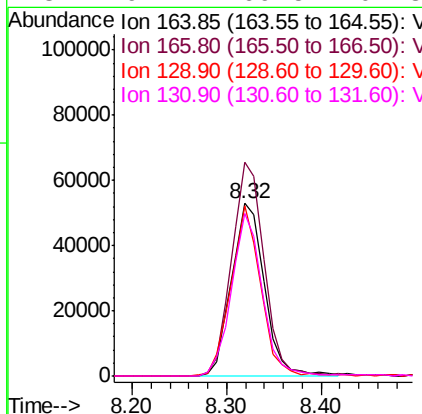
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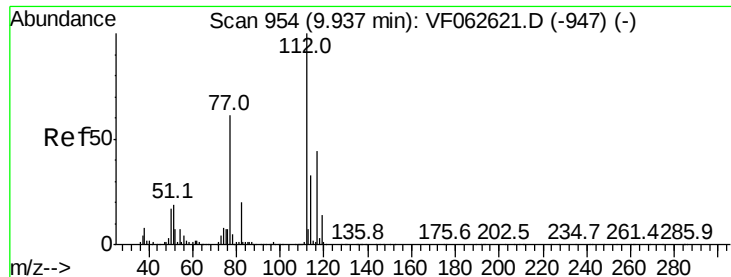
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#64
Tetrachloroethene
Concen: 25.817 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	128137		
166	123.8	105.5	158.3	
129	98.6	73.8	110.6	
131	94.1	69.5	104.3	





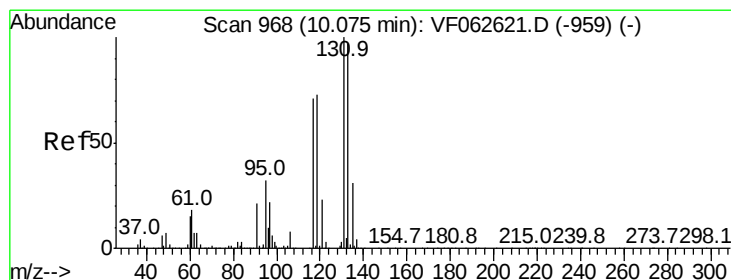
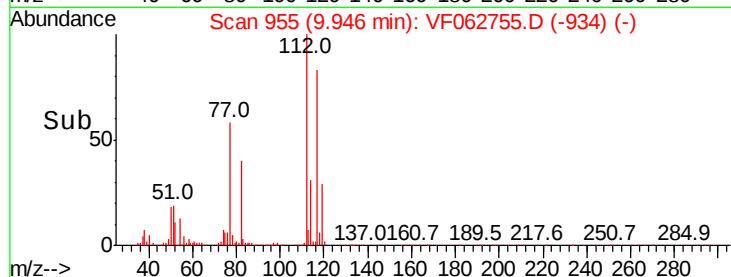
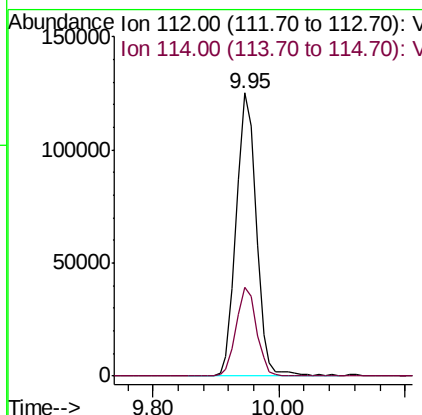
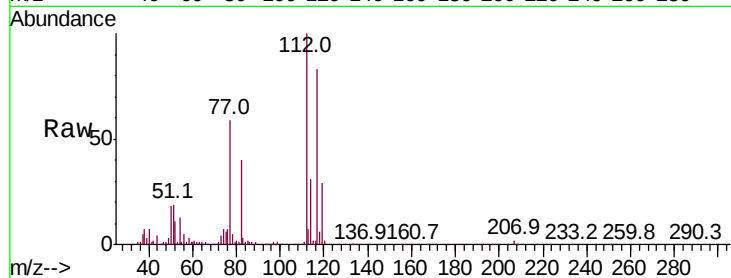
#65
Chlorobenzene
Concen: 22.380 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	275383		
114	31.2	26.8	40.2	

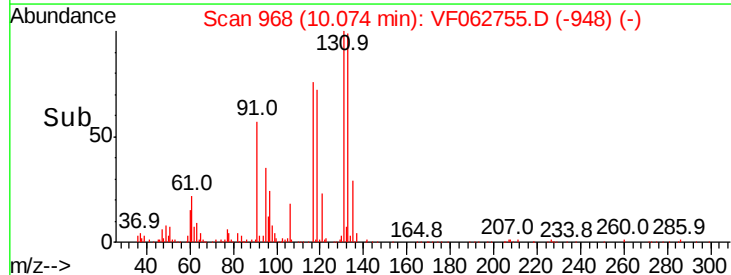
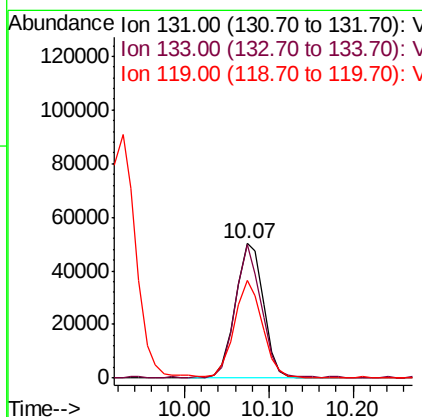
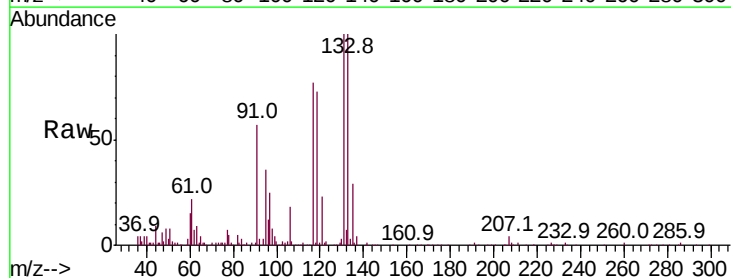
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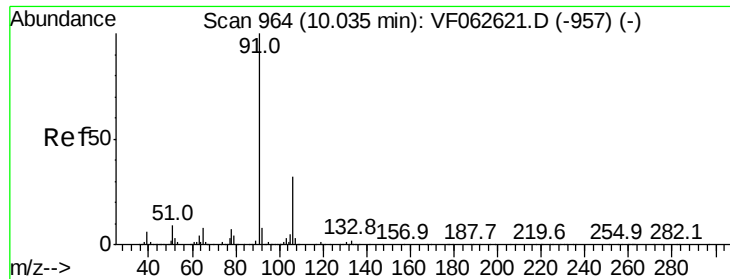
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.738 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	117260		
133	99.9	48.5	145.5	
119	72.6	36.8	110.4	





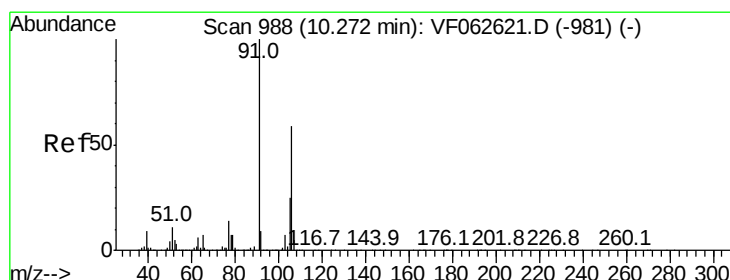
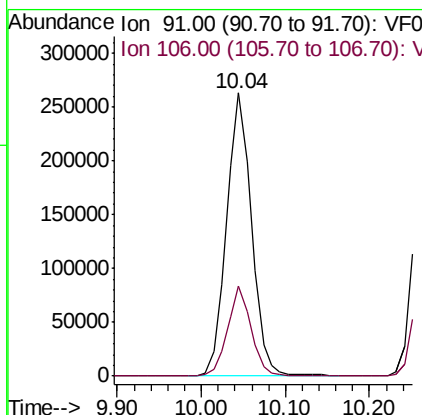
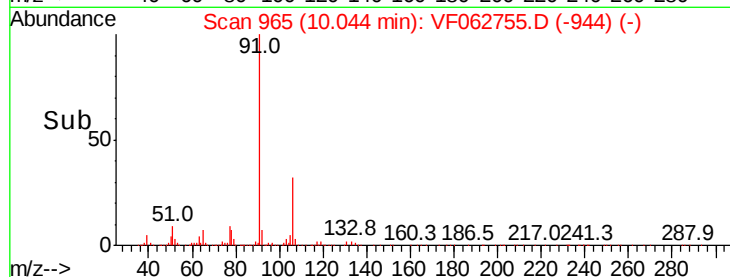
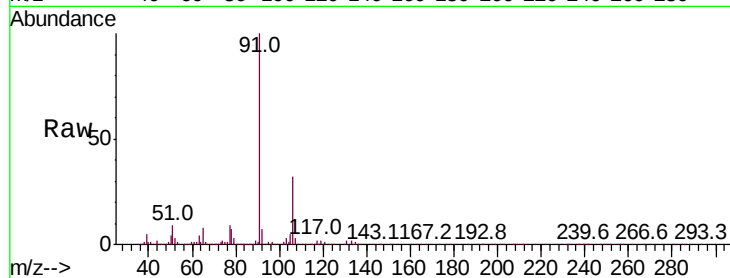
#67
Ethyl Benzene
Concen: 25.375 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion: 91 Resp: 542417
Ion Ratio Lower Upper
91 100
106 31.7 25.8 38.8

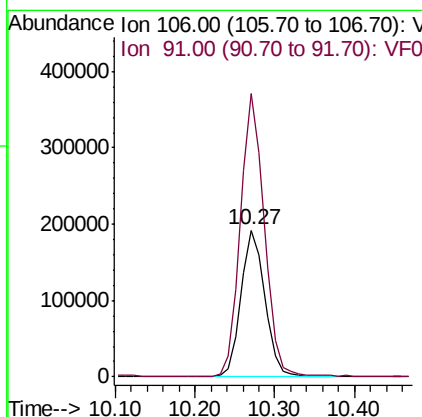
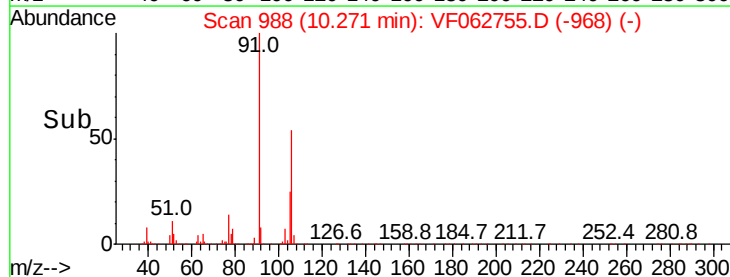
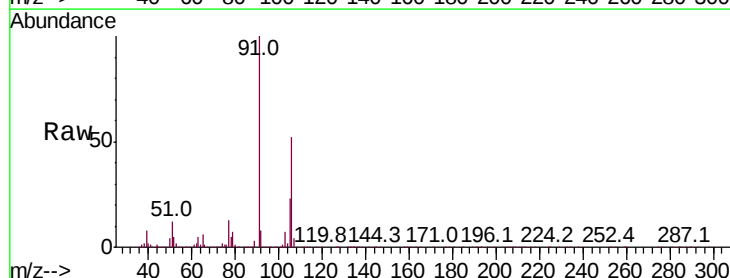
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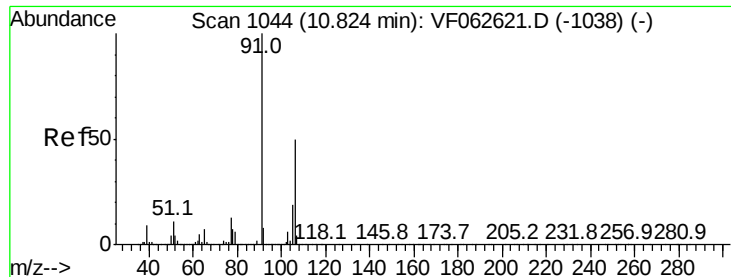
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5/29/2019 11:01:56 AM



#68
m/p-Xylenes
Concen: 49.894 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion: 106 Resp: 400859
Ion Ratio Lower Upper
106 100
91 192.7 136.9 205.3





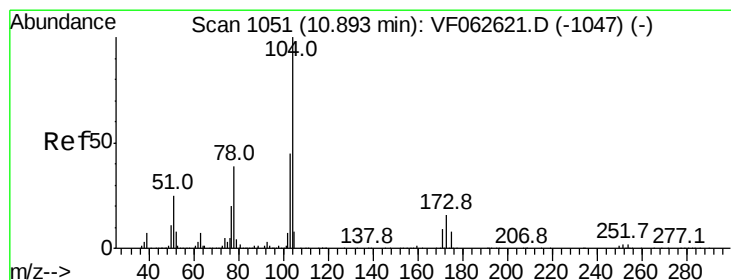
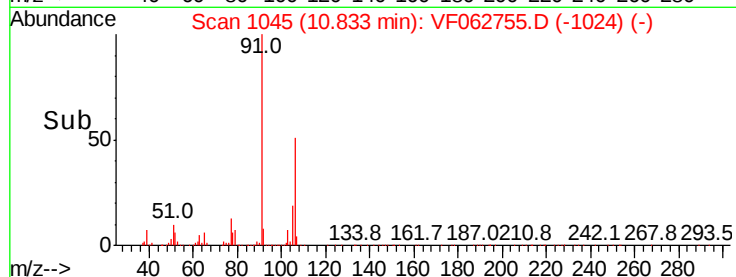
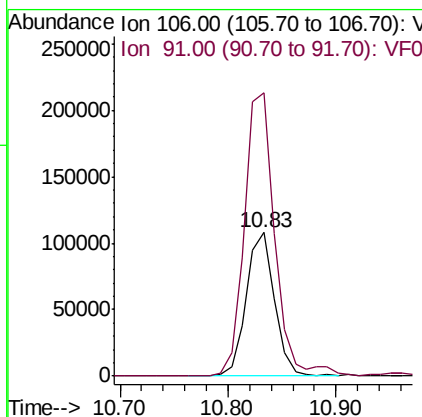
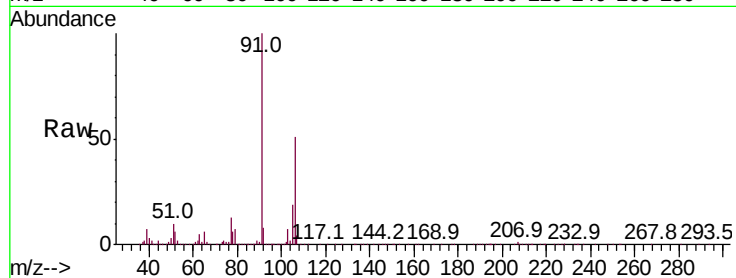
#69
o-Xylene
Concen: 23.600 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	197.1	100.2	300.5

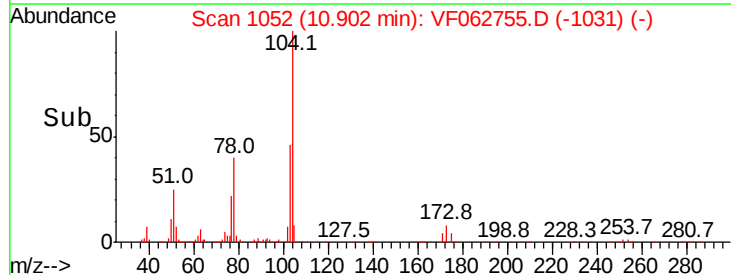
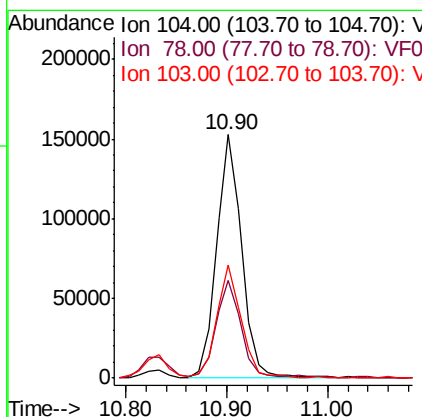
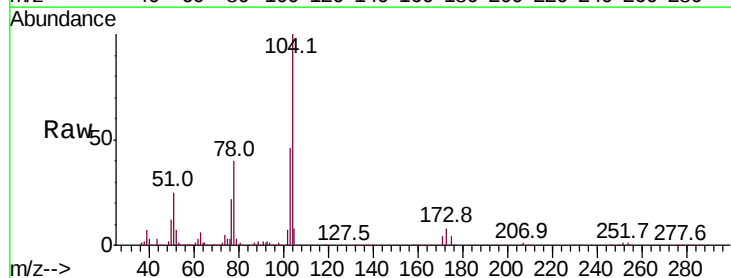
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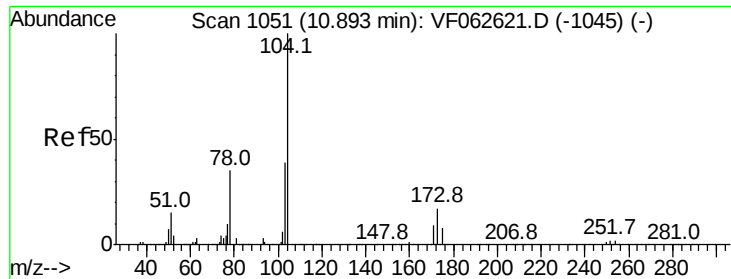
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#70
Styrene
Concen: 20.891 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	40.0	31.9	47.9
103	46.3	36.1	54.1





#71

Bromoform

Concen: 16.229 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

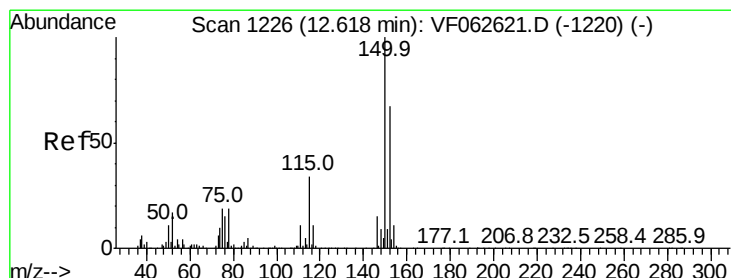
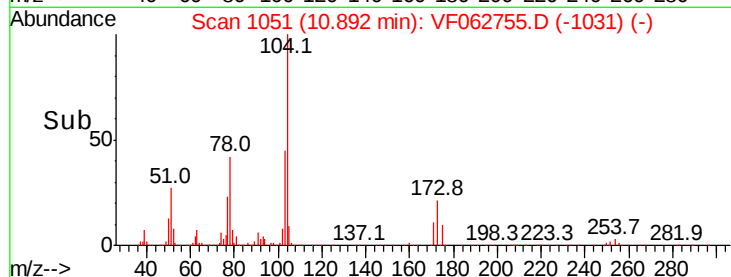
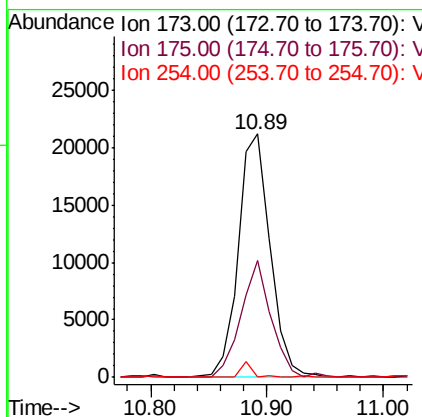
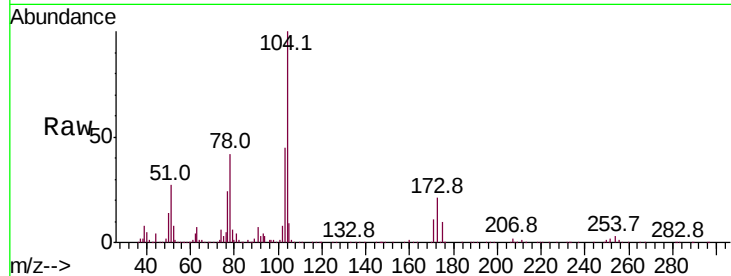
ClientSampleId :

VF0528SBS01

Tot Ion:	173	Resp:	40150
Ion Ratio	Lower	Upper	
173	100		
175	47.8	25.3	75.9
254	0.0	0.2	0.2#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

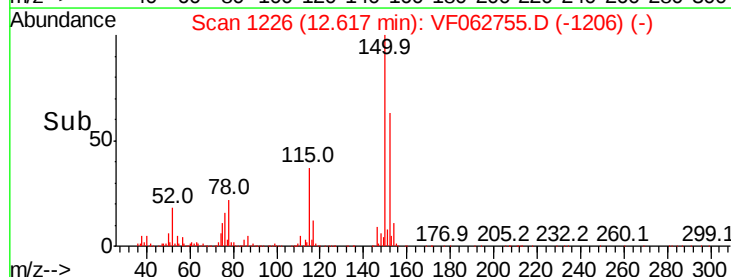
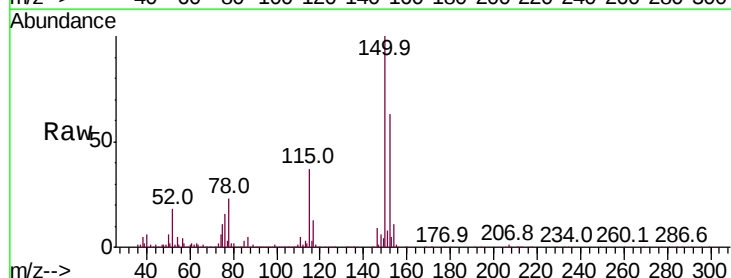
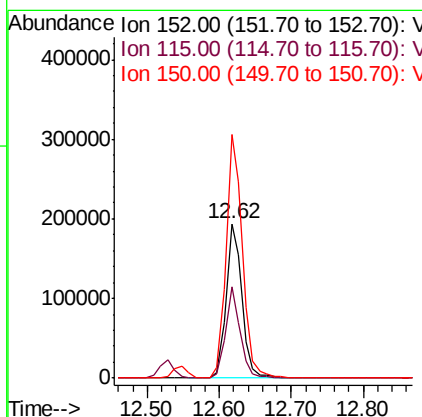
RT: 12.62 min Scan# 1226

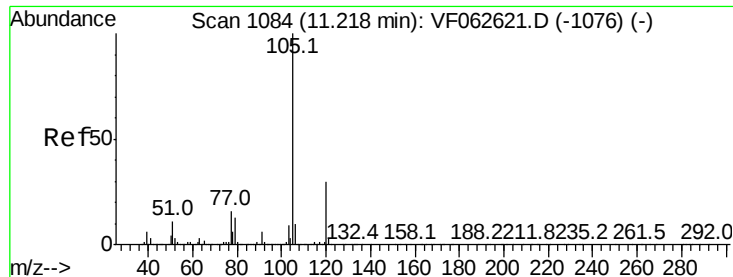
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion:	152	Resp:	291664
Ion Ratio	Lower	Upper	
152	100		
115	59.2	25.2	75.6
150	158.1	0.0	306.2





#73

Isopropylbenzene

Concen: 28.135 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

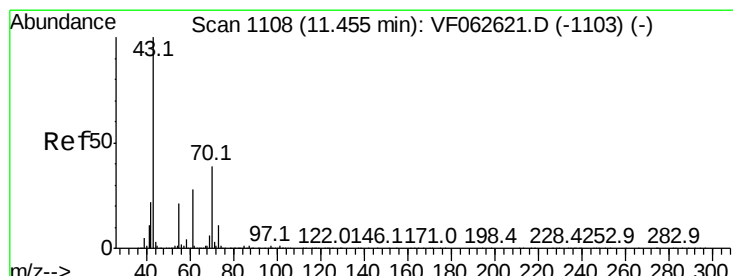
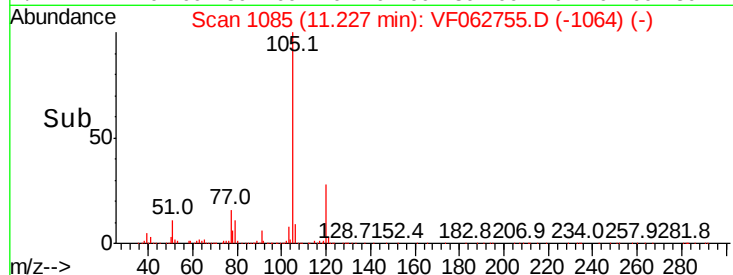
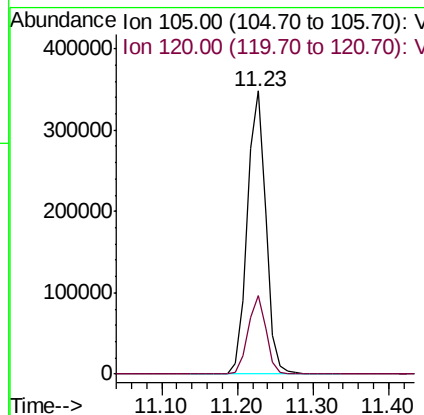
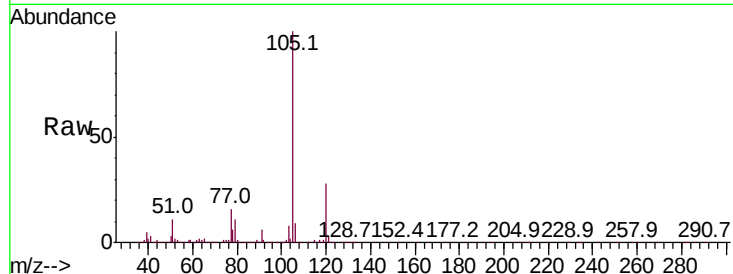
ClientSampleId :

VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	588141		
120	27.6	14.8	44.4	

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#74

N-ethyl acetate

Concen: 10.628 ug/l

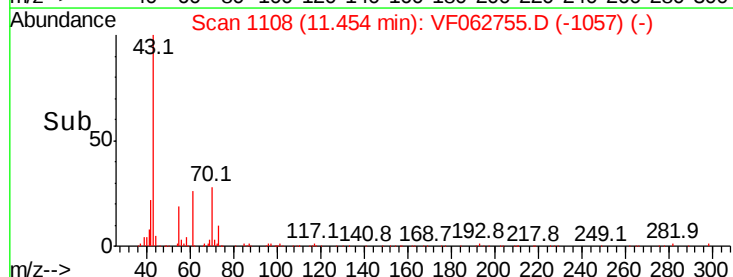
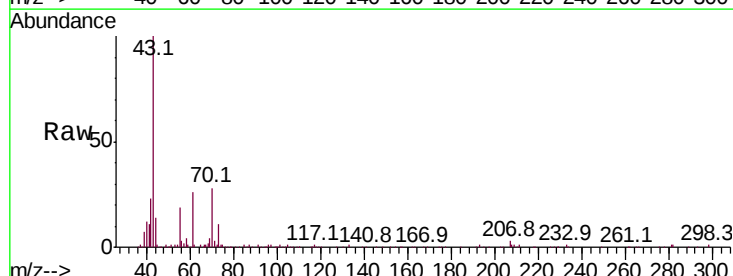
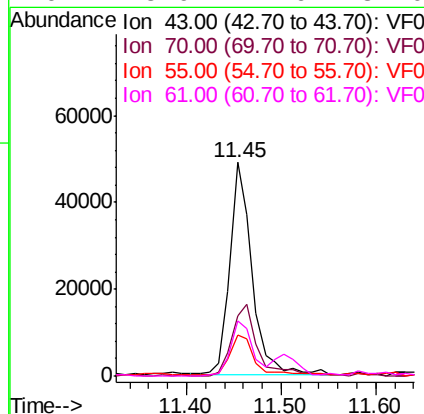
RT: 11.45 min Scan# 1108

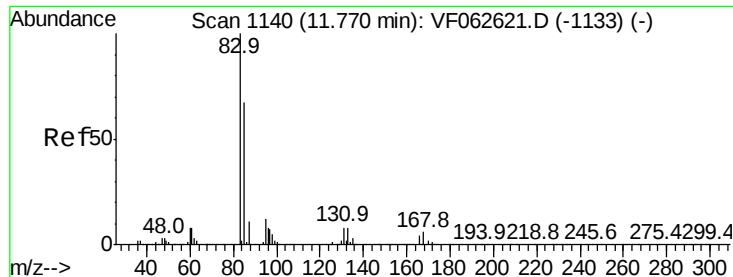
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	79129		
70	28.2	30.9	46.3	
55	19.1	17.0	25.4	
61	25.9	22.6	34.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 16.049 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

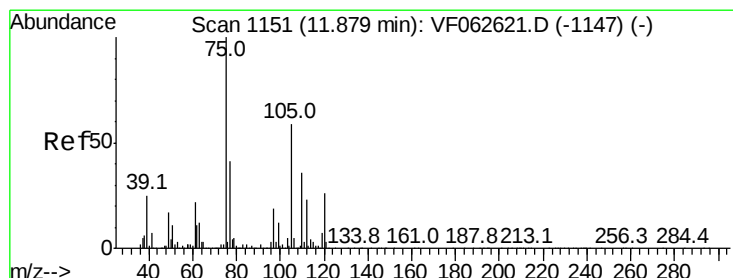
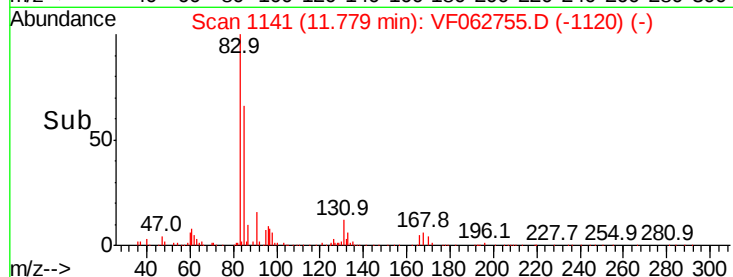
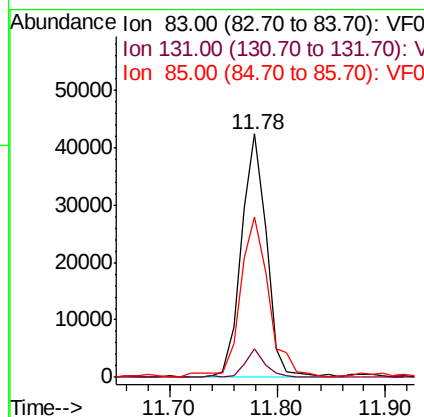
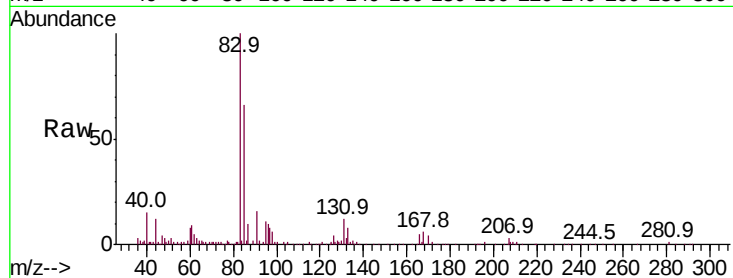
ClientSampleId :

VF0528SBS01

Tot Ion:	83	Resp:	68563
Ion Ratio	Lower	Upper	
83	100		
131	12.0	4.0	12.0
85	65.9	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 14.608 ug/l

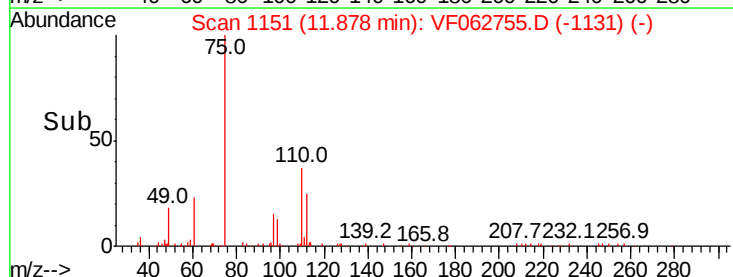
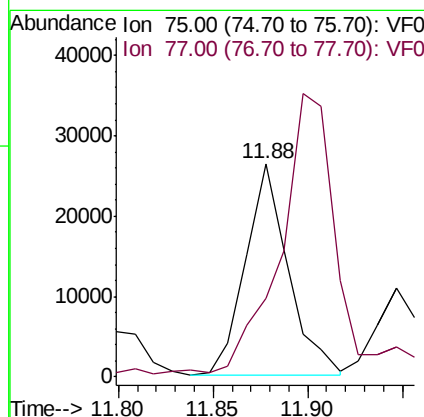
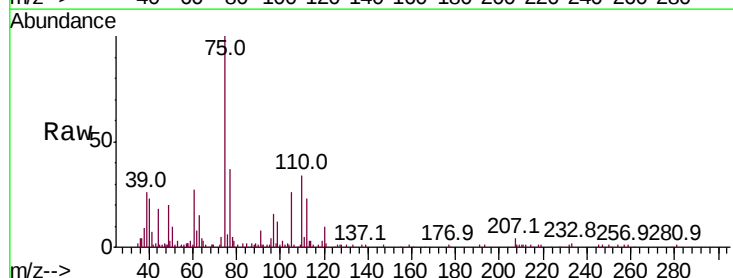
RT: 11.88 min Scan# 1151

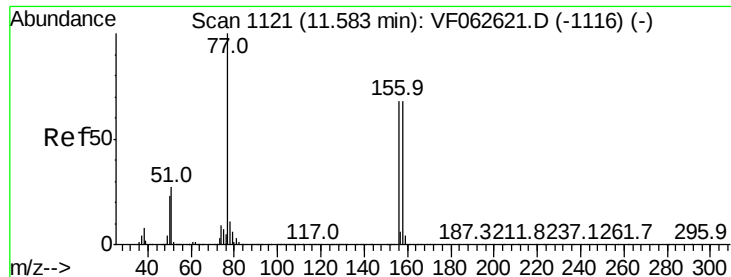
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion:	75	Resp:	41004
Ion Ratio	Lower	Upper	
75	100		
77	37.0	20.6	61.8





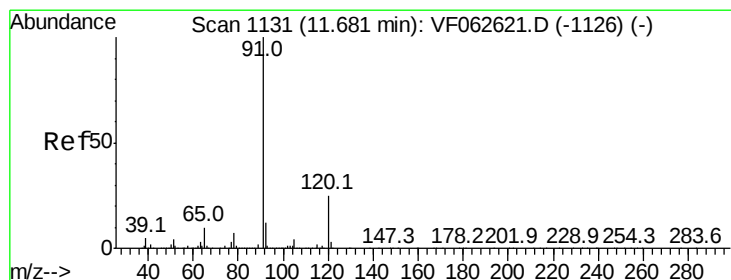
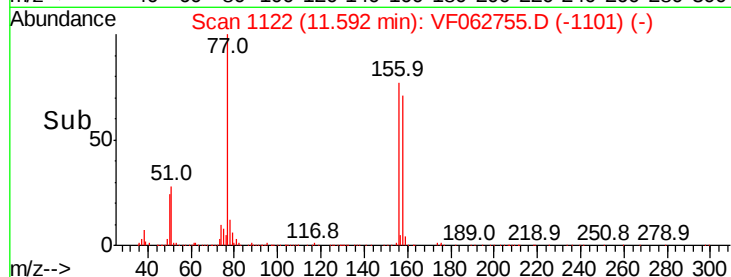
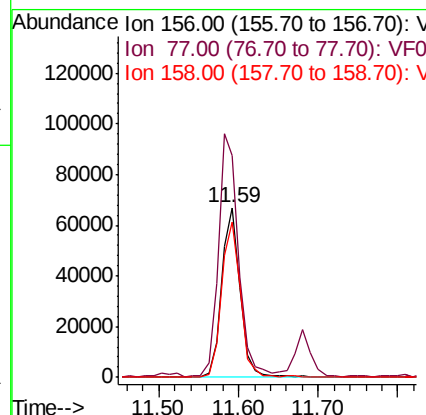
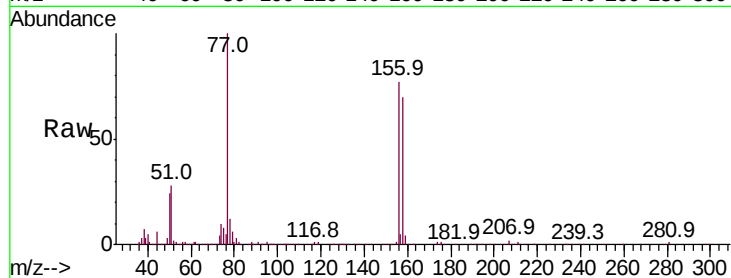
#77
Bromobenzene
Concen: 21.159 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	130.7	73.6	220.8
158	92.0	49.6	148.8

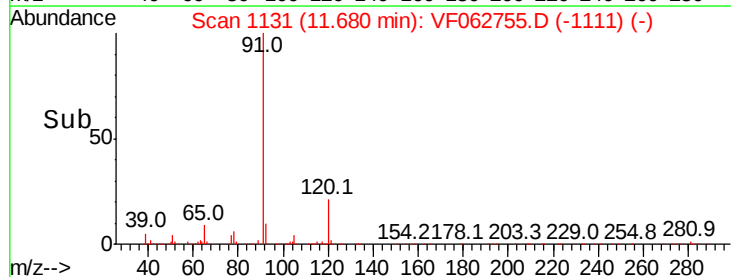
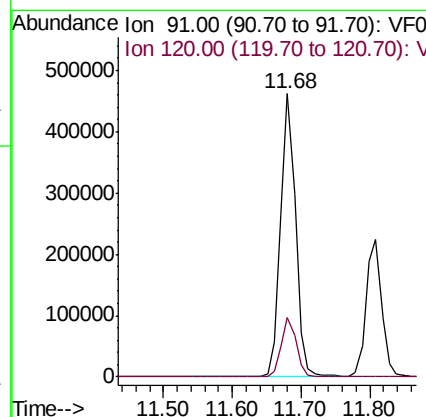
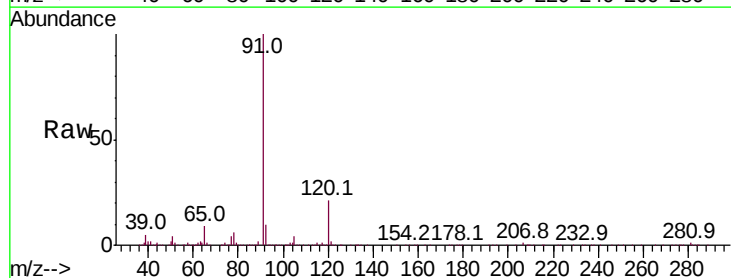
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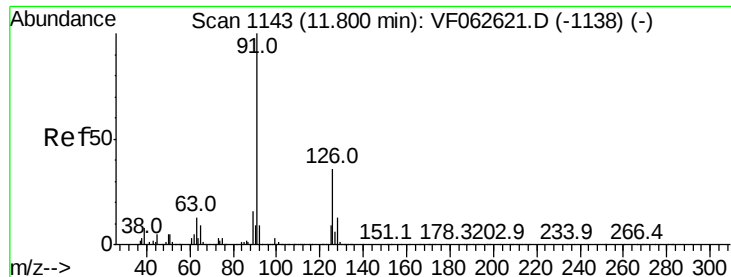
MMDadoda
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#78
n-propylbenzene
Concen: 28.495 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.8	12.7	38.1





#79

2-Chlorotoluene

Concen: 24.923 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampled :

VF0528SBS01

Tot Ion: 91 Resp: 347478

Ion Ratio Lower Upper

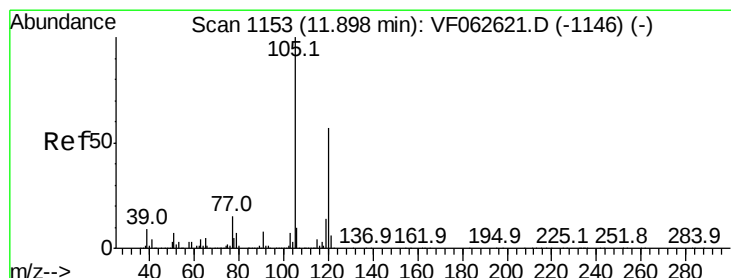
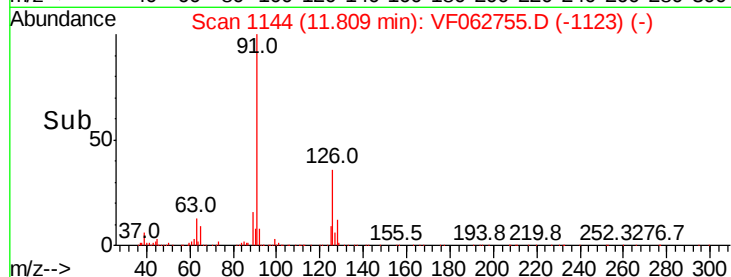
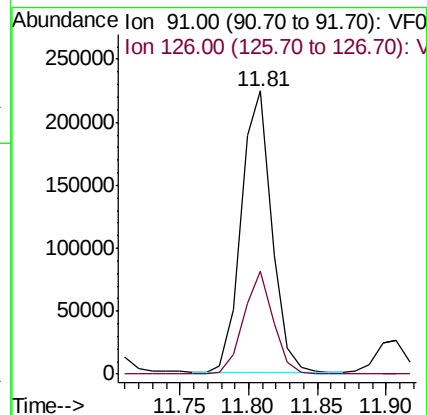
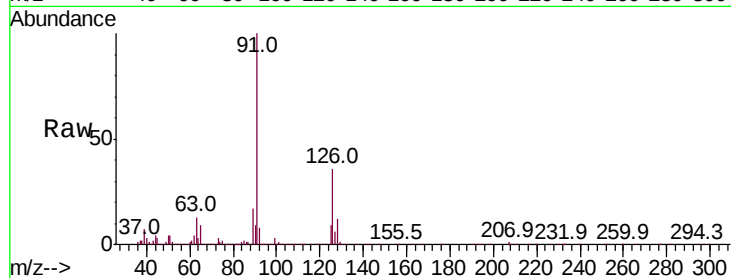
91 100

126 36.2 18.1 54.4

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#80

1,3,5-Trimethylbenzene

Concen: 26.694 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VF062755.D

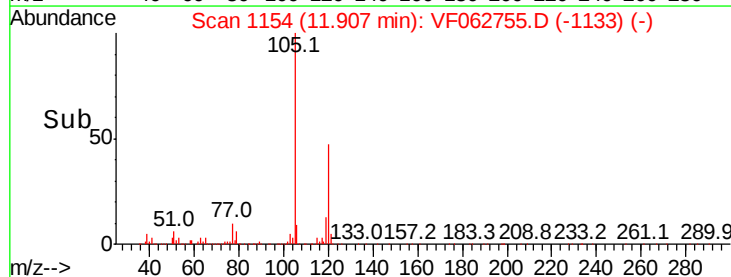
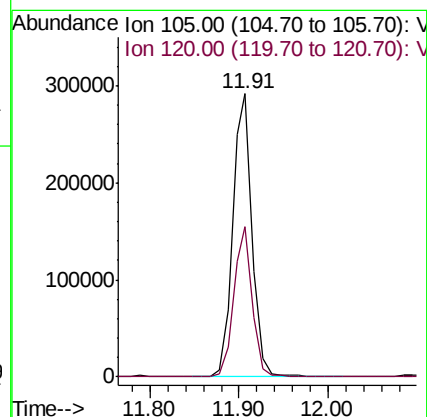
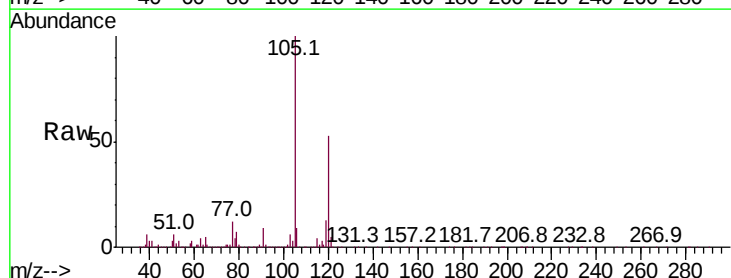
Acq: 28 May 2019 12:37

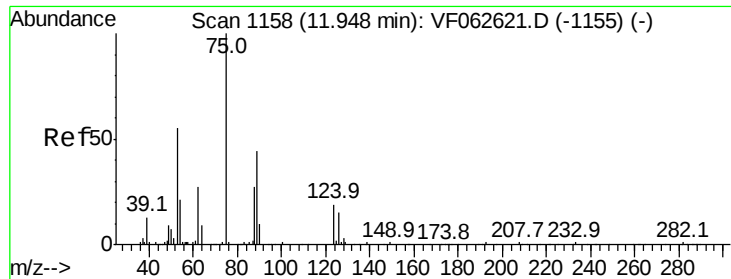
Tgt Ion: 105 Resp: 447446

Ion Ratio Lower Upper

105 100

120 53.0 28.7 86.3





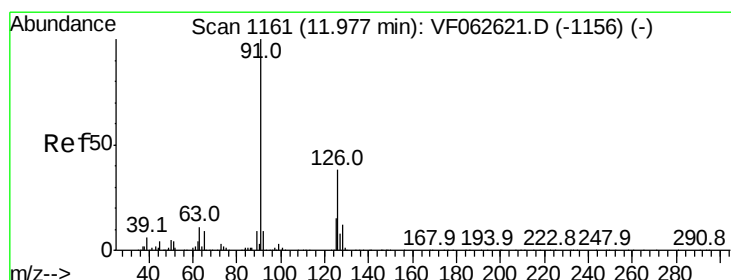
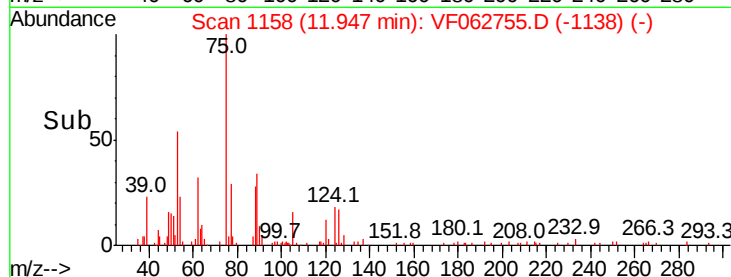
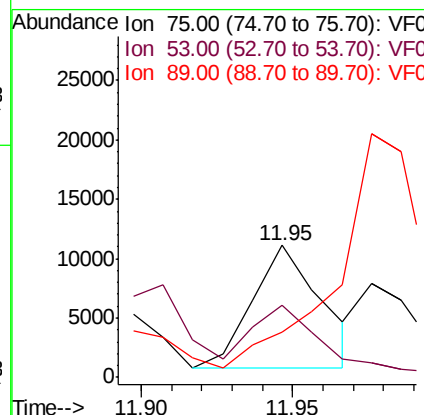
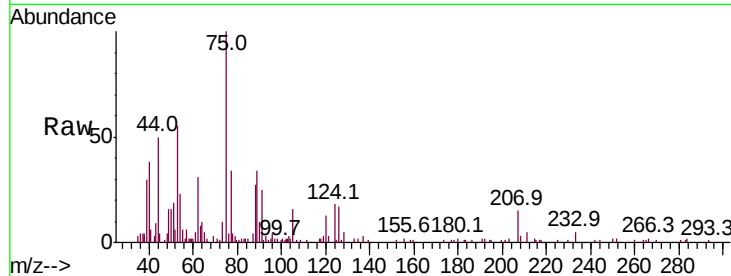
#81
trans-1,4-Dichloro-2-butene
Concen: 13.182 ug/l
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	55.0	46.9	70.3
89	34.1	36.4	54.6

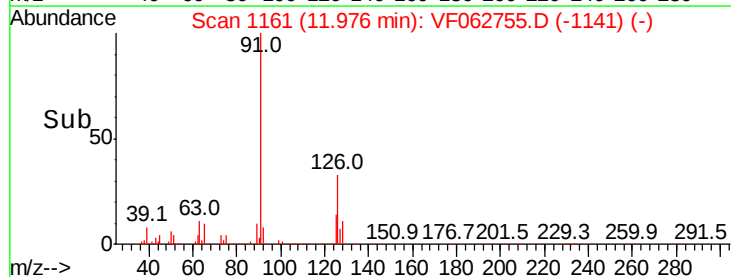
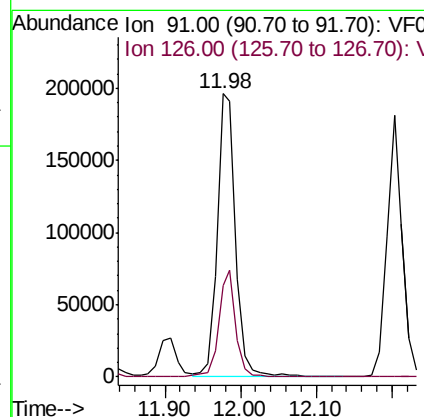
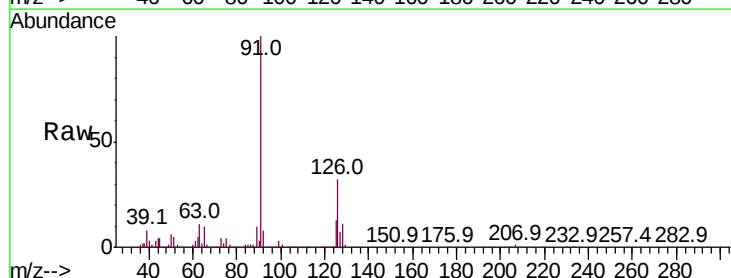
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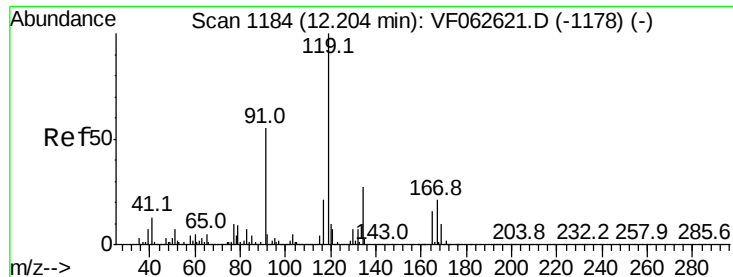
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#82
4-Chlorotoluene
Concen: 24.118 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.2	19.1	57.1





#83

tert-Butylbenzene

Concen: 28.075 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

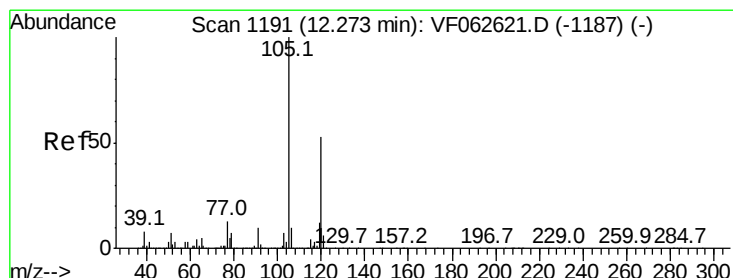
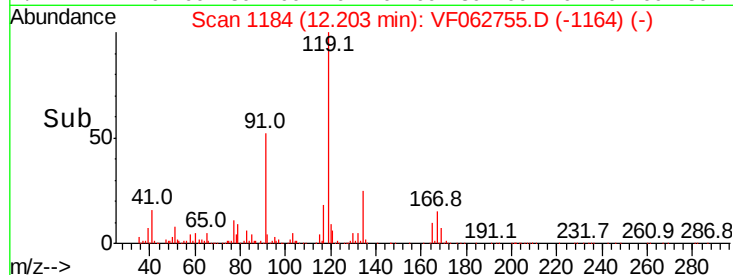
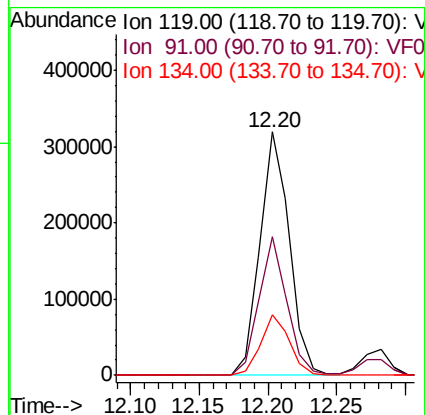
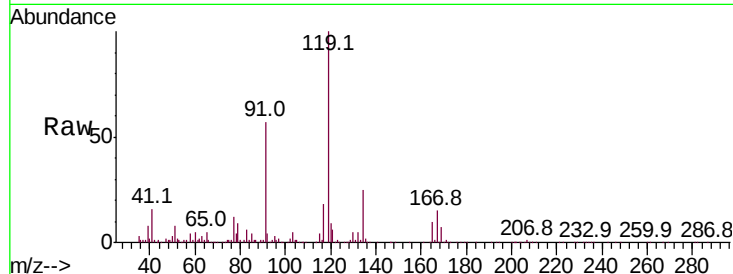
ClientSampleId :

VF0528SBS01

Tot Ion:	119	Resp:	477442
Ion Ratio	Lower	Upper	
119	100		
91	56.8	27.3	81.9
134	25.0	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 25.061 ug/l

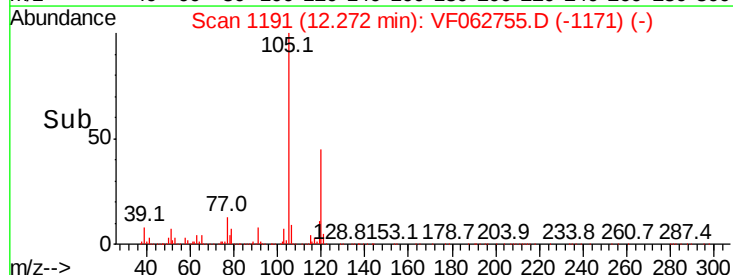
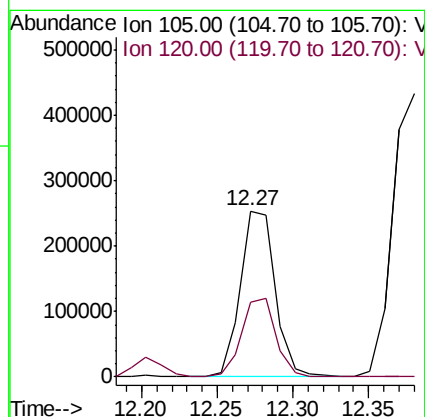
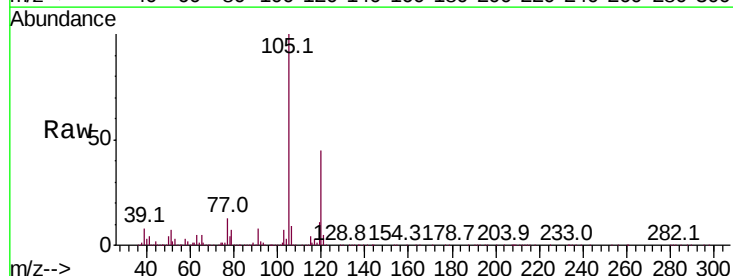
RT: 12.27 min Scan# 1191

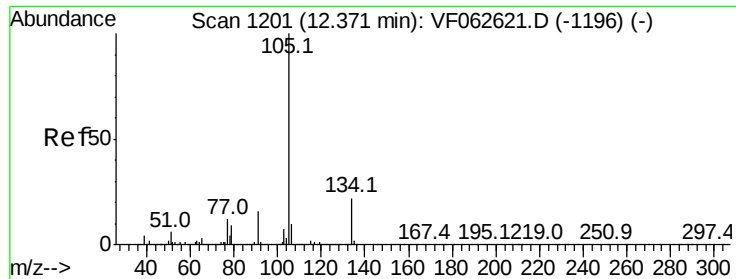
Delta R.T. -0.00 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion:	105	Resp:	406572
Ion Ratio	Lower	Upper	
105	100		
120	44.8	26.7	80.1





#85

sec-Butylbenzene

Concen: 28.761 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Instrument :

MSVOA_F

ClientSampleId :

VF0528SBS01

Tot Ion:105 Resp: 656387

Ion Ratio Lower Upper

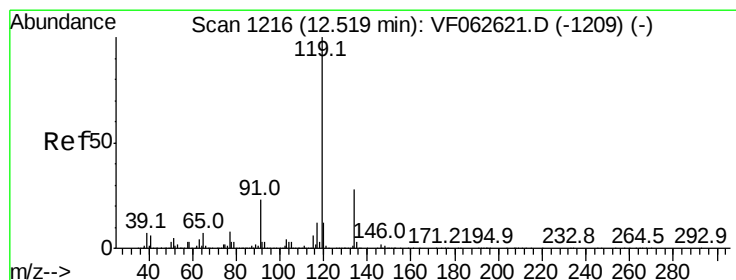
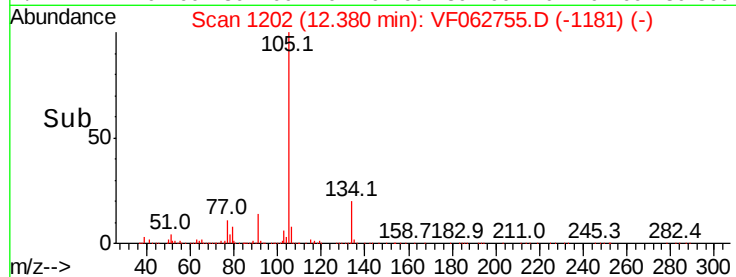
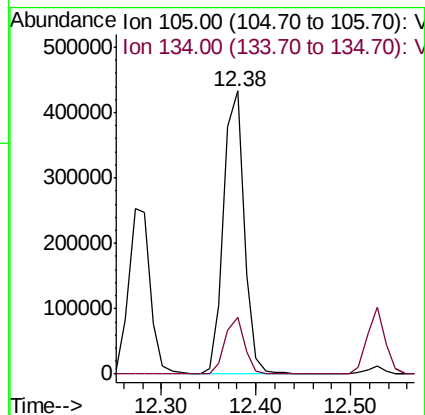
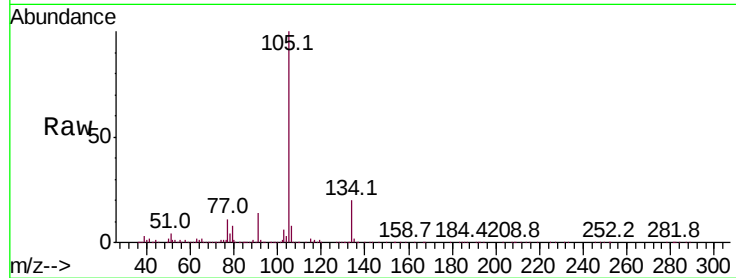
105 100

134 20.0 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 27.094 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

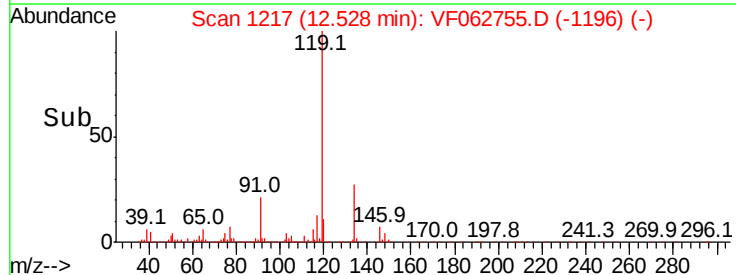
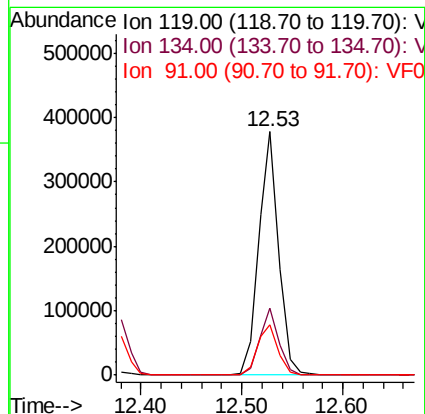
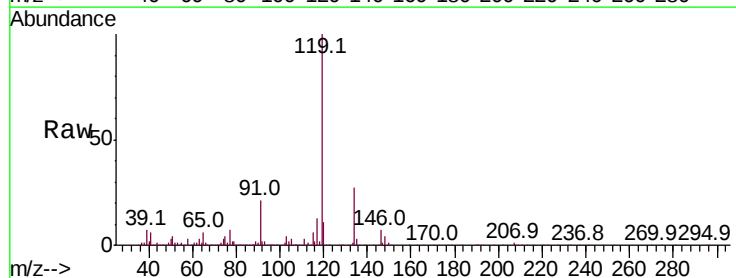
Tgt Ion:119 Resp: 521112

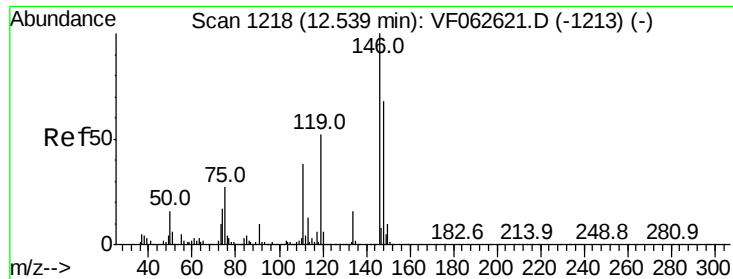
Ion Ratio Lower Upper

119 100

134 27.3 14.1 42.3

91 20.9 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 22.542 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VF062755.D

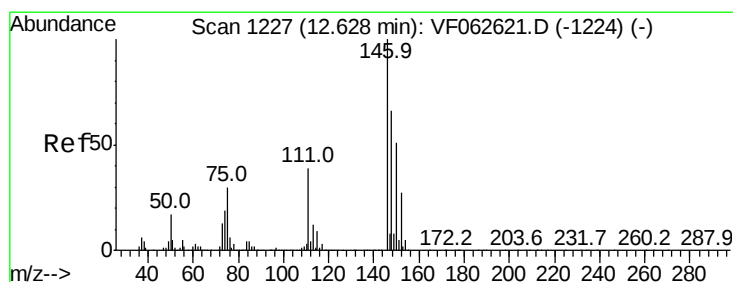
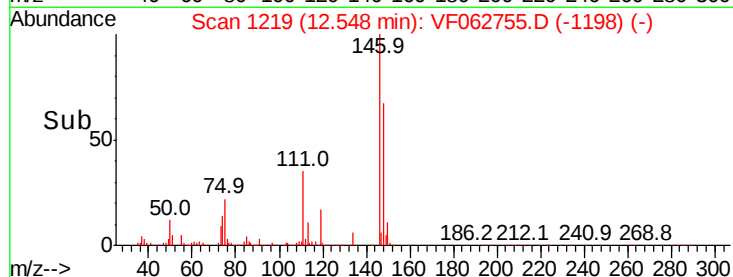
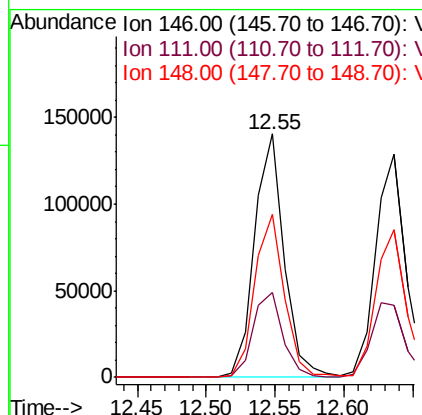
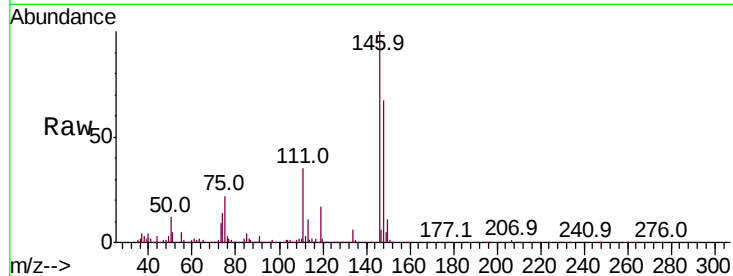
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.9	18.9	56.9
148	66.9	34.0	101.8

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#88

1,4-Dichlorobenzene

Concen: 22.304 ug/l

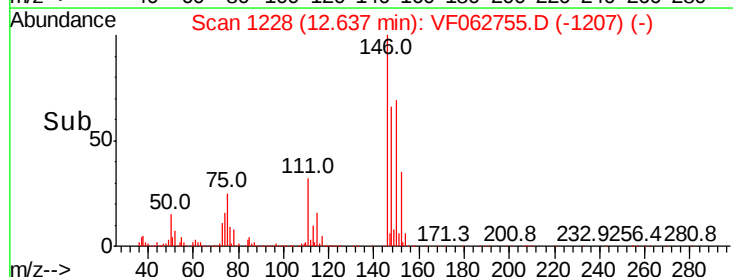
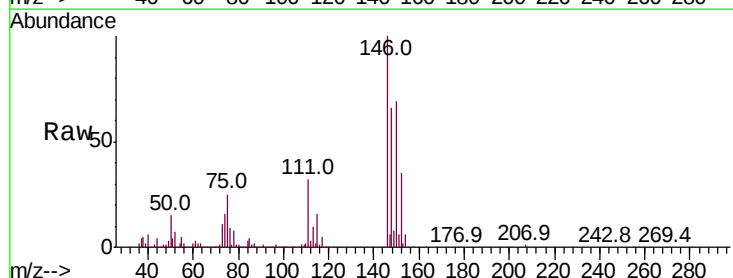
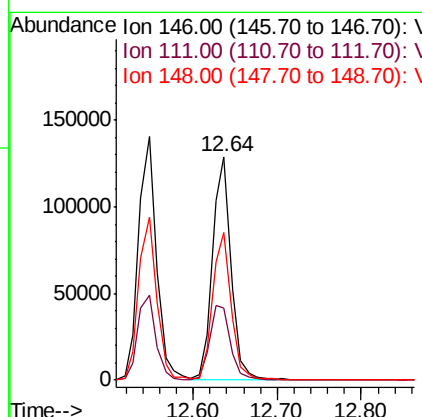
RT: 12.64 min Scan# 1228

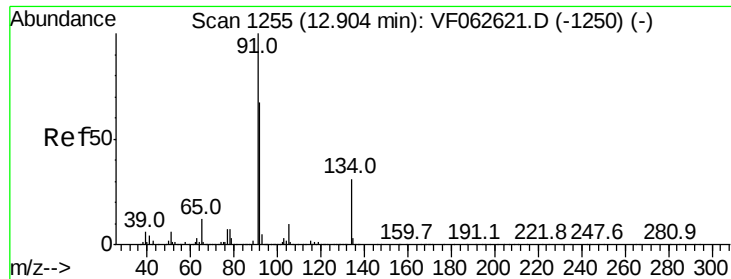
Delta R.T. 0.01 min

Lab File: VF062755.D

Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.2	19.4	58.2
148	66.3	33.2	99.6





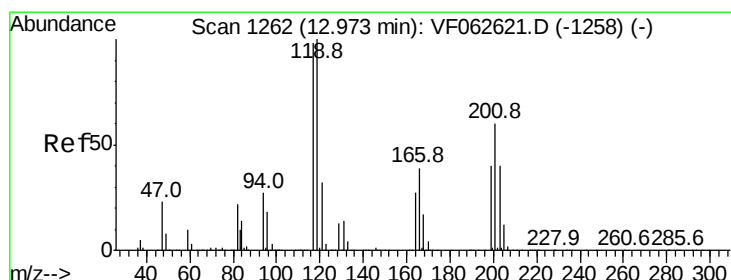
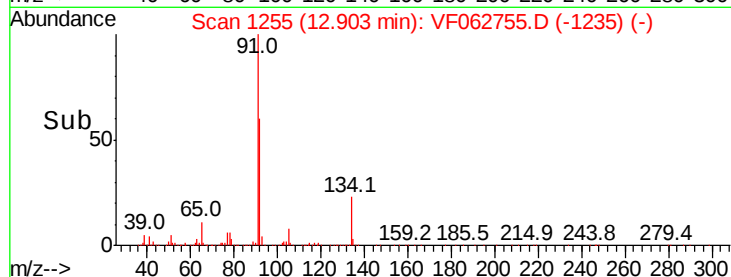
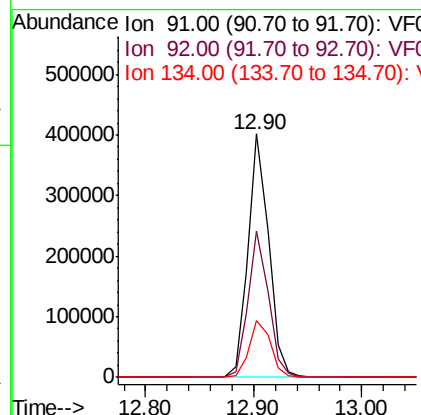
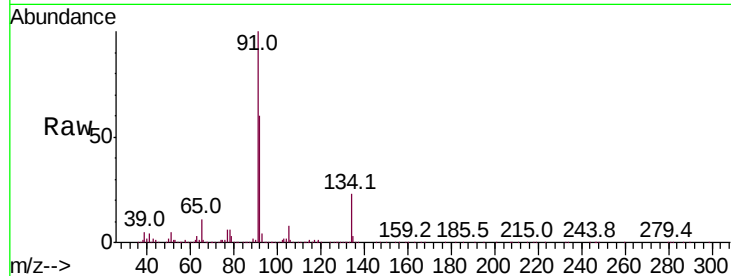
#89
n-Butylbenzene
Concen: 28.333 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	59.9	33.3	99.8	
134	23.4	15.4	46.4	

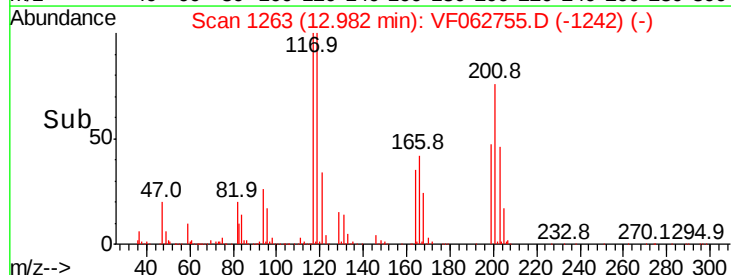
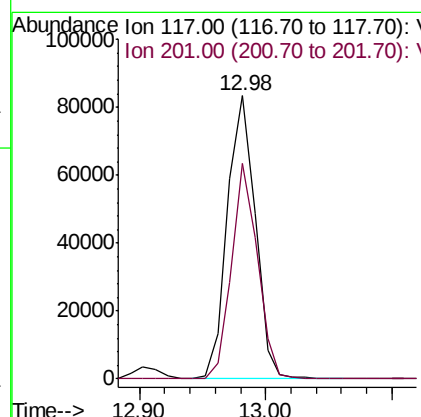
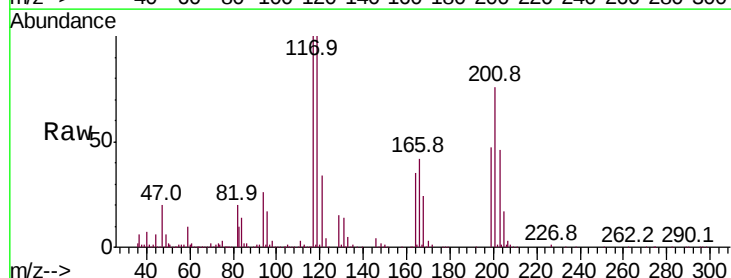
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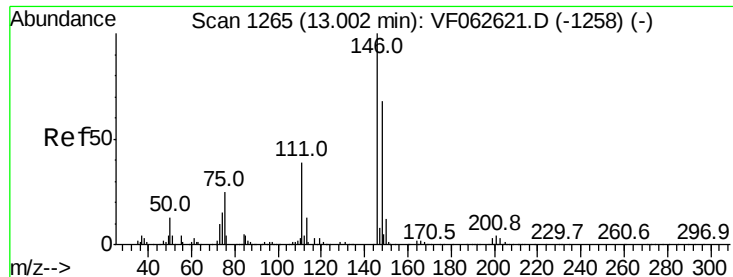
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#90
Hexachloroethane
Concen: 27.673 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.1	30.7	92.1	





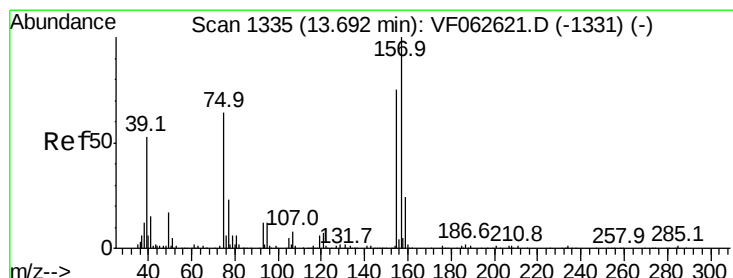
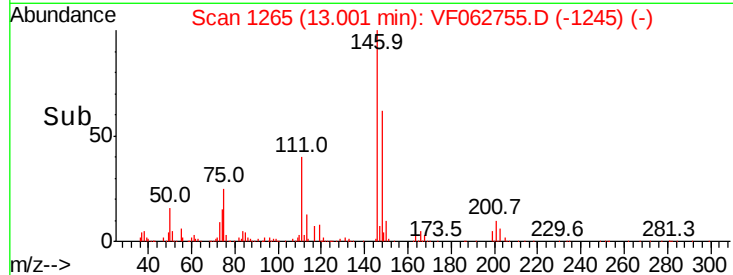
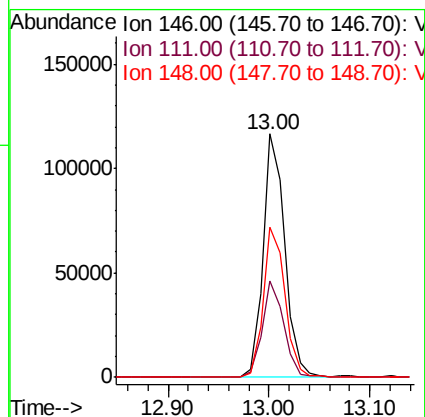
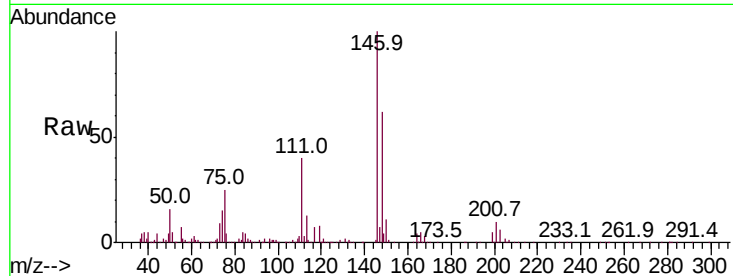
#91
 1,2-Dichlorobenzene
 Concen: 20.884 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion:	146	Resp:	175001
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.8	59.3
148	61.8	34.1	102.2

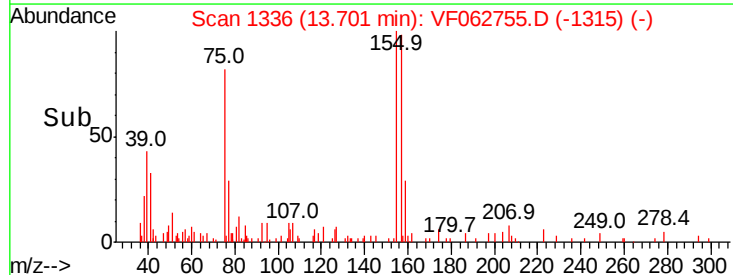
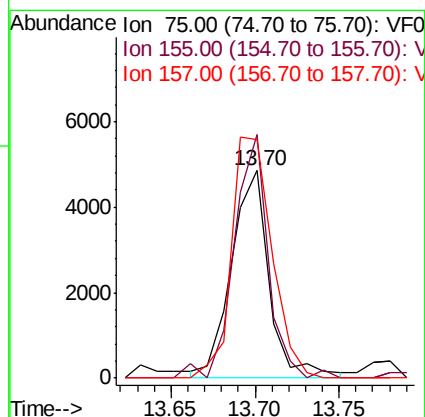
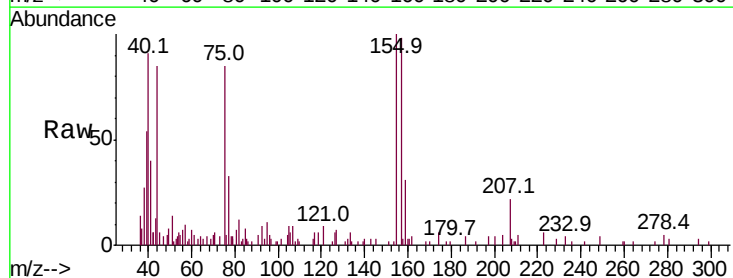
Manual Integrations
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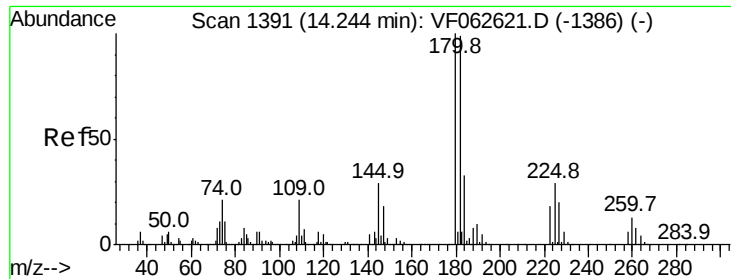
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 14.838 ug/l
 RT: 13.70 min Scan# 1336
 Delta R.T. 0.01 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion:	75	Resp:	7562
Ion Ratio	Lower	Upper	
75	100		
155	117.4	58.1	174.3
157	115.1	77.8	233.4





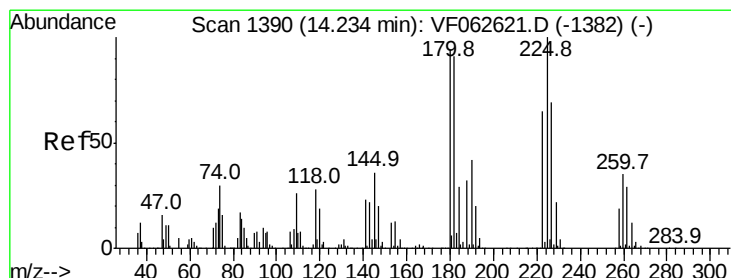
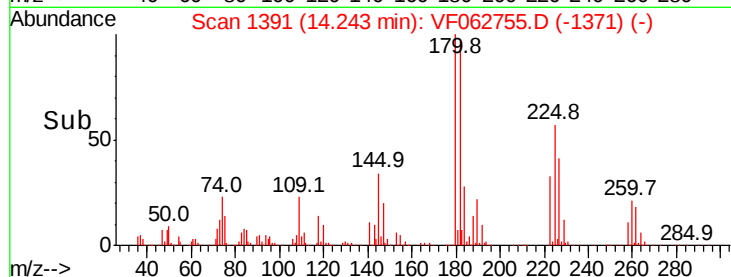
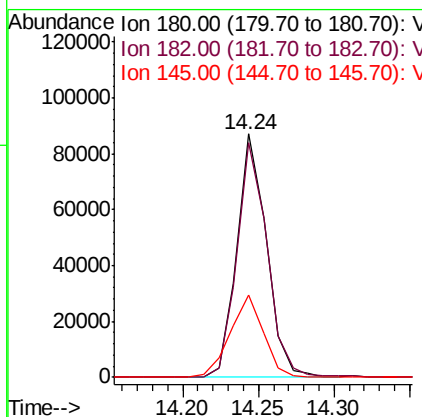
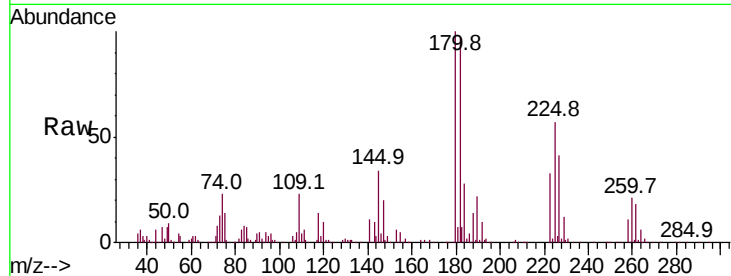
#93
 1,2,4-Trichlorobenzene
 Concen: 19.678 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0528SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	96.5	49.7	149.1	
145	33.6	14.6	44.0	

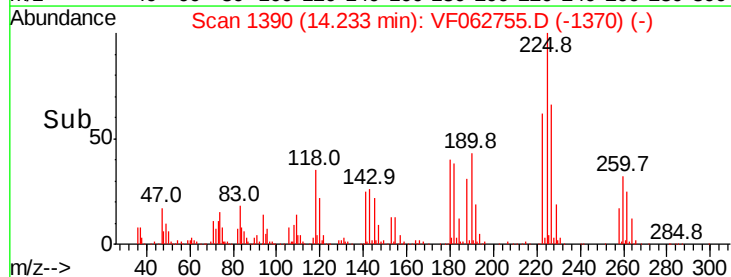
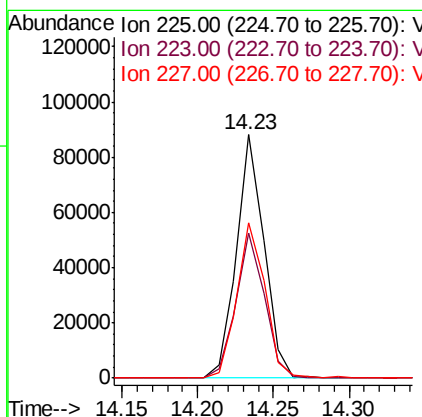
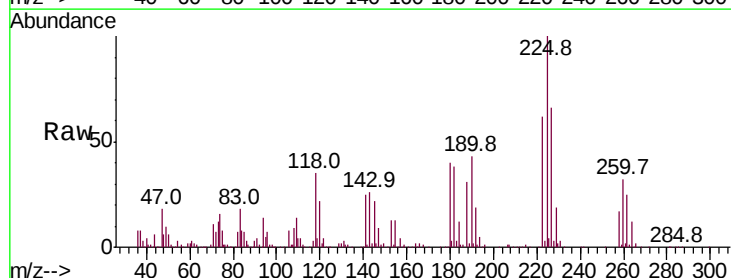
Manual Integrations
 APPROVED

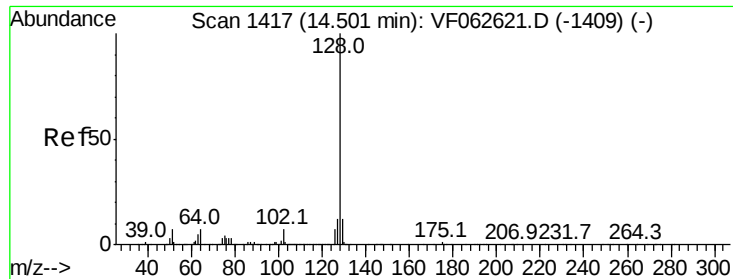
MMDadoda
 5/29/2019 11:01:56 AM



#94
 Hexachlorobutadiene
 Concen: 26.640 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062755.D
 Acq: 28 May 2019 12:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	59.7	32.5	97.4	
227	63.6	34.5	103.5	





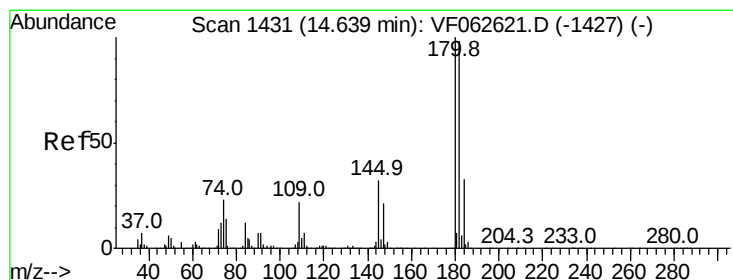
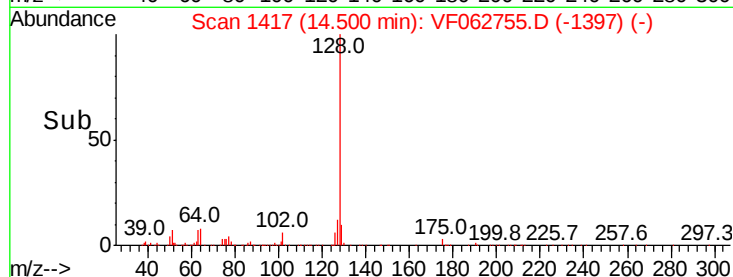
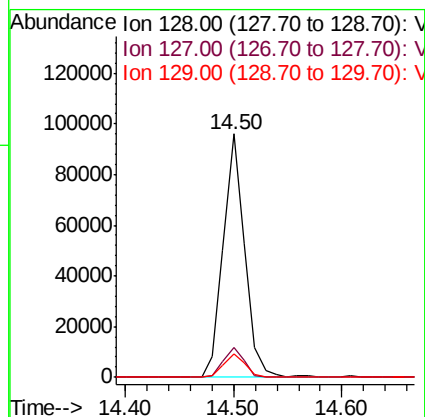
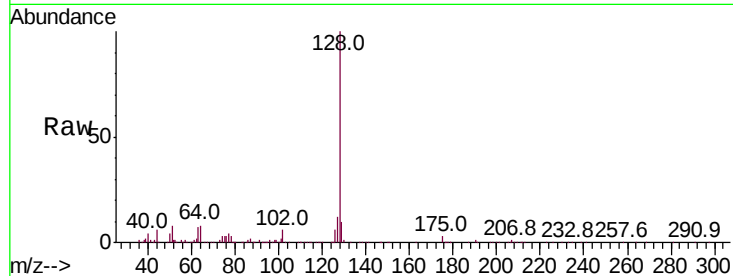
#95
Naphthalene
Concen: 12.246 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Instrument :
MSVOA_F
ClientSampleId :
VF0528SBS01

Tot Ion:	128	Resp:	133448
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.7	14.5
129	9.7	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
5/29/2019 11:01:56 AM



#96
1,2,3-Trichlorobenzene
Concen: 16.815 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062755.D
Acq: 28 May 2019 12:37

Tgt Ion:	180	Resp:	95536
Ion Ratio	Lower	Upper	
180	100		
182	99.2	48.9	146.7
145	25.7	16.1	48.2

