

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF052919\
 Data File : VF062776.D
 Acq On : 29 May 2019 12:13
 Operator : FY/SY
 Sample : VF0529SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Manual Integrations
 APPROVED

mmdadoda
 5/30/2019 11:01:59 AM

Quant Time: May 30 08:53:21 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	747947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.80	114	1236295	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	996002	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	450562	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	244841	46.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.64%	
35) Dibromofluoromethane	4.33	113	449010	47.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.92%	
50) Toluene-d8	7.73	98	1053555	46.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.28%	
62) 4-Bromofluorobenzene	11.50	95	431308	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.01	85	180363	17.720	ug/l	88
3) Chloromethane	1.15	50	152838	16.308	ug/l	90
4) Vinyl Chloride	1.19	62	153288	17.768	ug/l	97
5) Bromomethane	1.40	94	76320	16.171	ug/l	93
6) Chloroethane	1.45	64	54686	17.260	ug/l	95
7) Trichlorofluoromethane	1.56	101	236072	20.380	ug/l	88
8) Diethyl Ether	1.71	74	43437	18.929	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.91	101	151977	20.605	ug/l	94
10) Methyl Iodide	1.99	142	292158	20.164	ug/l	98
11) Tert butyl alcohol	2.72	59	38381	109.992	ug/l	99
12) 1,1-Dichloroethene	1.88	96	140715	20.943	ug/l	92
13) Acrolein	2.11	56	31415	86.246	ug/l	84
14) Allyl chloride	2.21	41	143797	23.647	ug/l	88
15) Acrylonitrile	3.12	53	115531	117.373	ug/l	89
16) Acetone	2.36	43	125129	91.256	ug/l #	83
17) Carbon Disulfide	1.92	76	366572	18.407	ug/l #	90
18) Methyl Acetate	2.47	43	43575	20.223	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	243385	20.263	ug/l	97
20) Methylene Chloride	2.35	84	149263m	21.717	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	133668	20.354	ug/l	92
22) Diisopropyl ether	2.96	45	298962	19.933	ug/l	96
23) Vinyl Acetate	3.36	43	1121224	110.821	ug/l	98
24) 1,1-Dichloroethane	3.03	63	222589	20.230	ug/l	99
25) 2-Butanone	4.54	43	314809	107.460	ug/l	94
26) 2,2-Dichloropropane	3.79	77	142451	22.628	ug/l	98
27) cis-1,2-Dichloroethene	3.67	96	238187	22.049	ug/l	94
28) Bromochloromethane	3.92	49	130978	21.225	ug/l	100
29) Tetrahydrofuran	4.29	42	133351	112.486	ug/l	95
30) Chloroform	4.07	83	335352	21.953	ug/l	97
31) Cyclohexane	3.89	56	290614	19.671	ug/l	99
32) 1,1,1-Trichloroethane	4.31	97	221592	21.842	ug/l	96
36) 1,1-Dichloropropene	4.49	75	266996	21.076	ug/l	96
37) Ethyl Acetate	4.33	43	118457	22.902	ug/l #	70
38) Carbon Tetrachloride	4.21	117	202454	21.250	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.66	83	323966	21.253	ug/l	89
40) Benzene	4.84	78	775433	22.469	ug/l	98
41) Methacrylonitrile	4.95	41	53867	19.864	ug/l #	91
42) 1,2-Dichloroethane	5.16	62	143710	20.881	ug/l	94
43) Isopropyl Acetate	7.14	43	141285	21.084	ug/l #	84
44) Trichloroethene	5.71	130	215641	22.232	ug/l	89
45) 1,2-Dichloropropane	6.43	63	198027	22.730	ug/l	99
46) Dibromomethane	6.28	93	118926	23.620	ug/l	95
47) Bromodichloromethane	6.57	83	230204	22.024	ug/l	99
48) Methyl methacrylate	6.90	41	69529	19.851	ug/l	93
49) 1,4-Dioxane	6.90	88	19059	424.851	ug/l	95
51) 4-Methyl-2-Pentanone	8.42	43	523715	114.337	ug/l	95
52) Toluene	7.80	92	417423	23.063	ug/l	90
53) t-1,3-Dichloropropene	8.44	75	194181	22.708	ug/l	96
54) cis-1,3-Dichloropropene	7.48	75	276355	23.086	ug/l	97
55) 1,1,2-Trichloroethane	8.65	97	125236	23.369	ug/l	92
56) Ethyl methacrylate	8.77	69	140238	21.965	ug/l #	90
57) 1,3-Dichloropropane	9.02	76	208545	22.847	ug/l	92
58) 2-Chloroethyl Vinyl ether	7.47	63	230570	110.948	ug/l	94
59) 2-Hexanone	9.64	43	376065	116.686	ug/l	97
60) Dibromochloromethane	8.88	129	155757	22.300	ug/l	99
61) 1,2-Dibromoethane	9.15	107	135176	23.748	ug/l	99
64) Tetrachloroethene	8.32	164	164246	20.815	ug/l	95
65) Chlorobenzene	9.95	112	435997	22.287	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	171757	21.871	ug/l	96
67) Ethyl Benzene	10.04	91	752037	22.129	ug/l	97
68) m/p-Xylenes	10.27	106	568262	44.490	ug/l	85
69) o-Xylene	10.83	106	295425	22.455	ug/l	98
70) Styrene	10.90	104	460437	23.026	ug/l	97
71) Bromoform	10.89	173	92890	23.617	ug/l #	100
73) Isopropylbenzene	11.23	105	836405	25.901	ug/l	93
74) N-amyl acetate	11.46	43	238163	26.444	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.78	83	173360	26.269	ug/l	100
76) 1,2,3-Trichloropropane	11.88	75	113513	26.178	ug/l	89
77) Bromobenzene	11.59	156	195430	24.347	ug/l	93
78) n-propylbenzene	11.68	91	931961	24.386	ug/l	91
79) 2-Chlorotoluene	11.81	91	500459	23.236	ug/l	98
80) 1,3,5-Trimethylbenzene	11.91	105	607336	23.455	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.95	75	47312m	24.546	ug/l	
82) 4-Chlorotoluene	11.99	91	509615	23.994	ug/l	96
83) tert-Butylbenzene	12.20	119	613362	23.348	ug/l	95
84) 1,2,4-Trimethylbenzene	12.28	105	599733	23.930	ug/l	95
85) sec-Butylbenzene	12.38	105	868527	24.635	ug/l	95
86) p-Isopropyltoluene	12.53	119	728211	24.509	ug/l	96
87) 1,3-Dichlorobenzene	12.55	146	363739	25.047	ug/l	96
88) 1,4-Dichlorobenzene	12.63	146	204452	15.002	ug/l	99
89) n-Butylbenzene	12.90	91	723064	24.683	ug/l	91
90) Hexachloroethane	12.98	117	172435	24.193	ug/l	92
91) 1,2-Dichlorobenzene	13.01	146	309600	23.916	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.70	75	21906	27.825	ug/l	90

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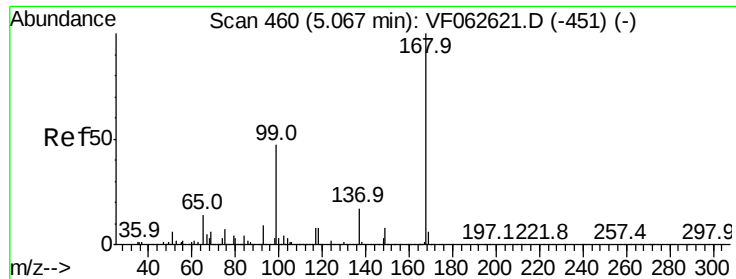
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	209473	22.606	ug/l	97
94) Hexachlorobutadiene	14.23	225	143480	22.188	ug/l	99
95) Naphthalene	14.50	128	347285	20.630	ug/l	98
96) 1,2,3-Trichlorobenzene	14.65	180	194129	22.118	ug/l	95

(#) = 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: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion:168 Resp: 747947

Ion Ratio Lower Upper

168 100

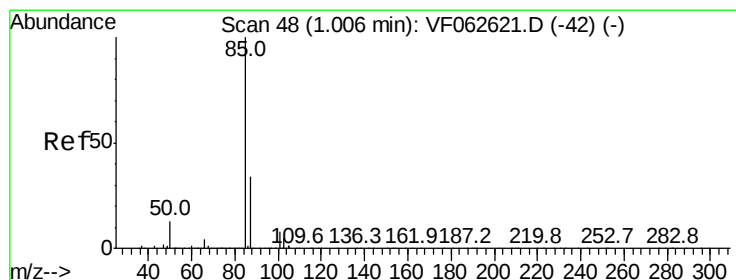
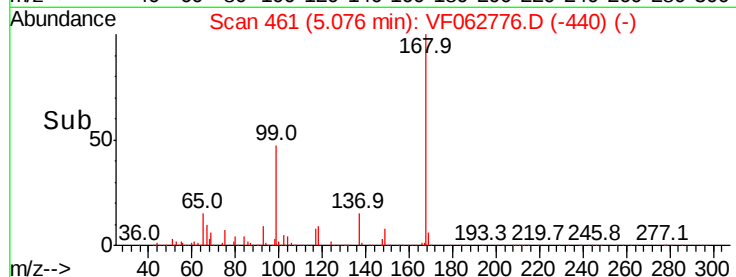
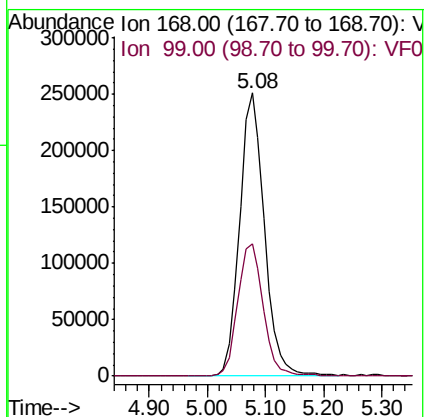
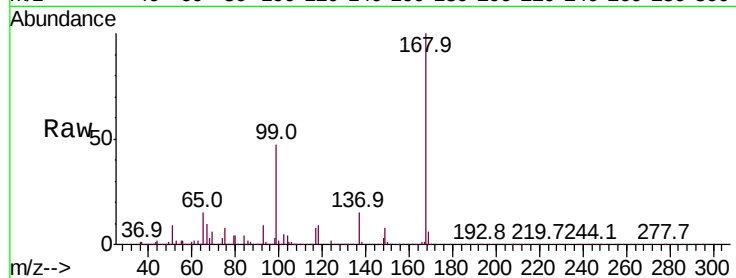
99 46.6 37.8 56.8

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#2

Dichlorodifluoromethane

Concen: 17.720 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062776.D

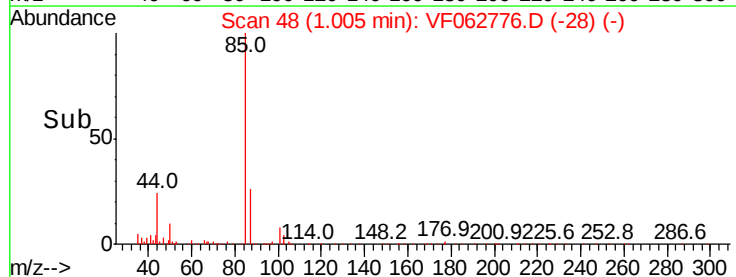
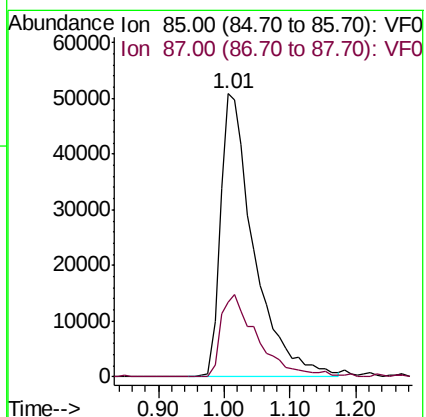
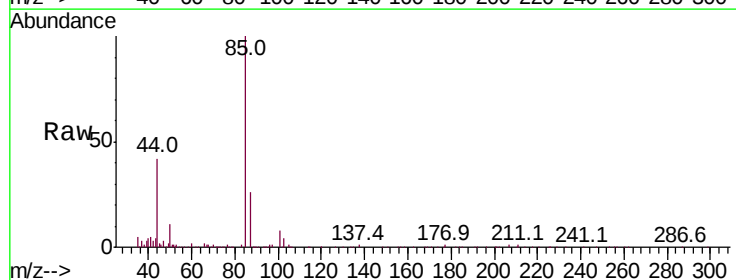
Acq: 29 May 2019 12:13

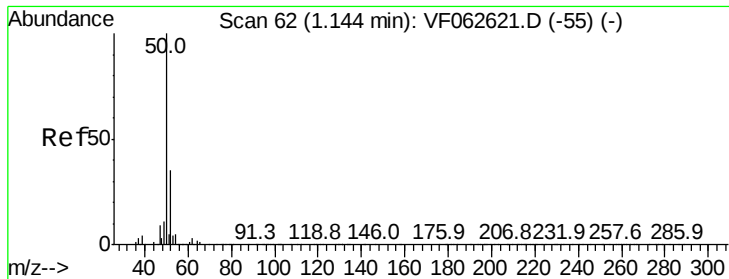
Tgt Ion: 85 Resp: 180363

Ion Ratio Lower Upper

85 100

87 26.5 16.8 50.3





#3

Chloromethane

Concen: 16.308 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 50 Resp: 152838

Ion Ratio Lower Upper

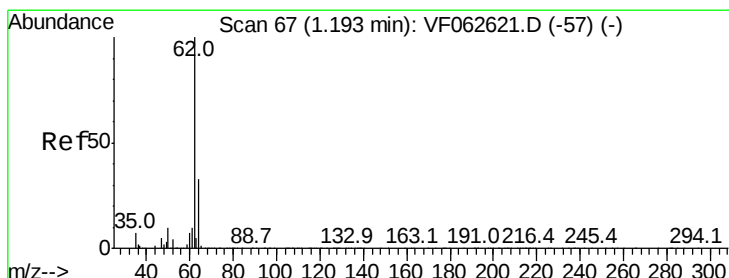
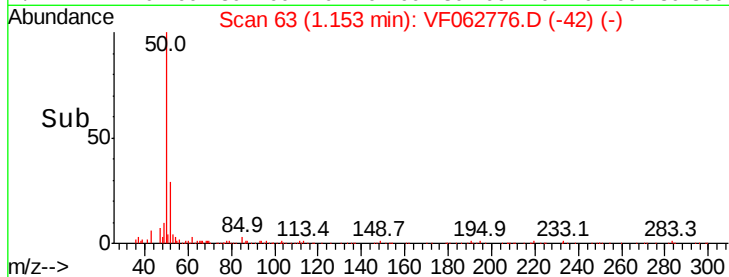
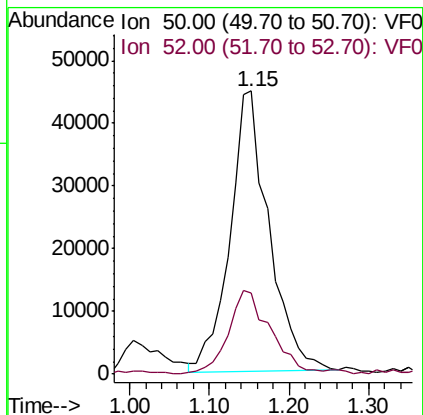
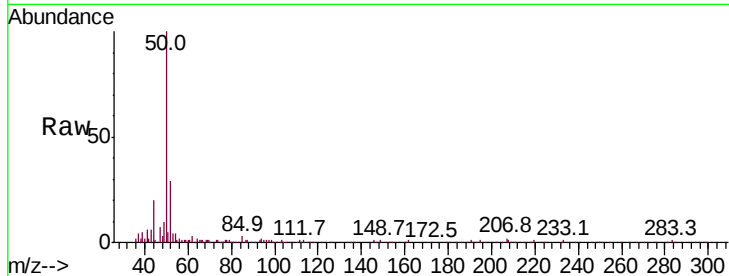
50 100

52 28.7 27.5 41.3

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#4

Vinyl Chloride

Concen: 17.768 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062776.D

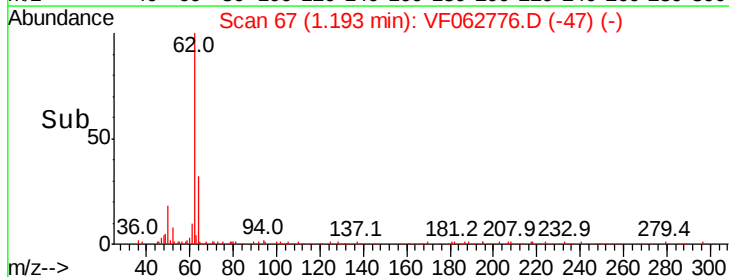
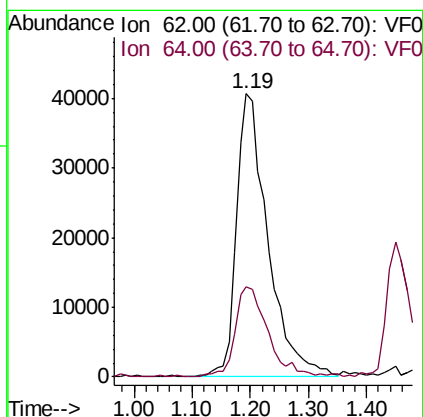
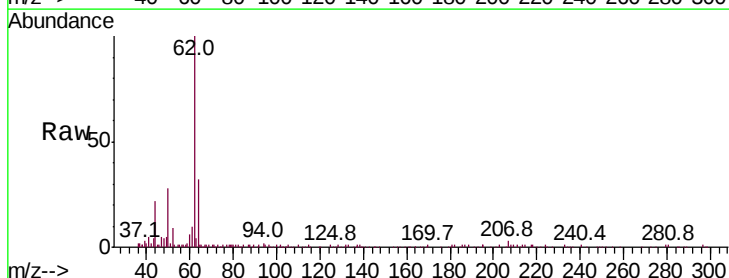
Acq: 29 May 2019 12:13

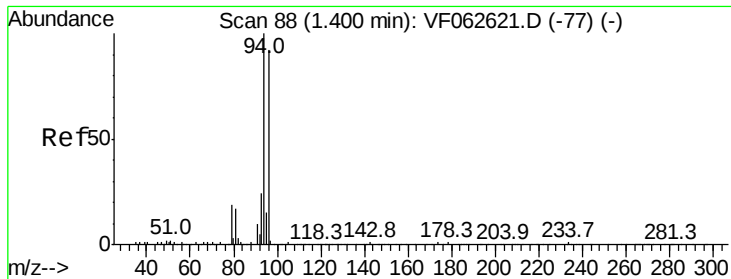
Tgt Ion: 62 Resp: 153288

Ion Ratio Lower Upper

62 100

64 32.0 26.7 40.1





#5

Bromomethane

Concen: 16.171 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

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ClientSampleId :

VF0529SBS01

Tot Ion: 94 Resp: 76320

Ion Ratio Lower Upper

94 100

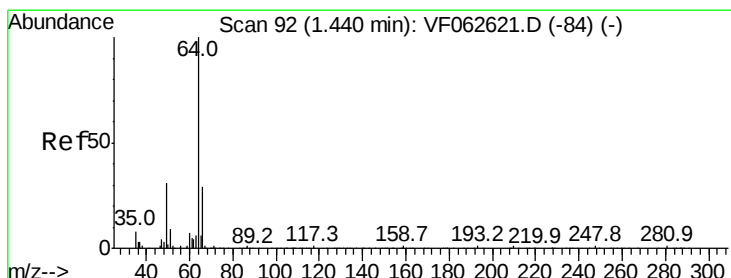
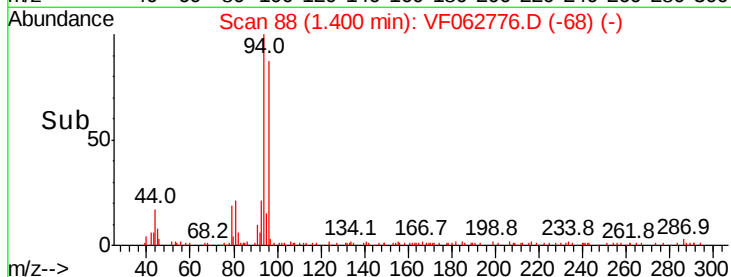
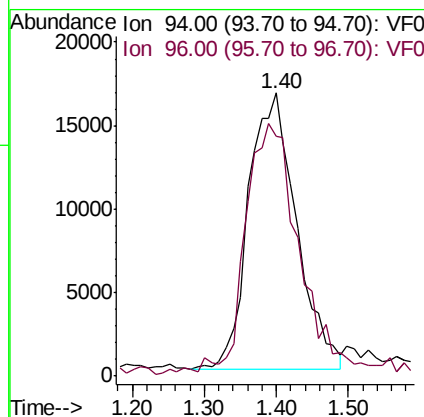
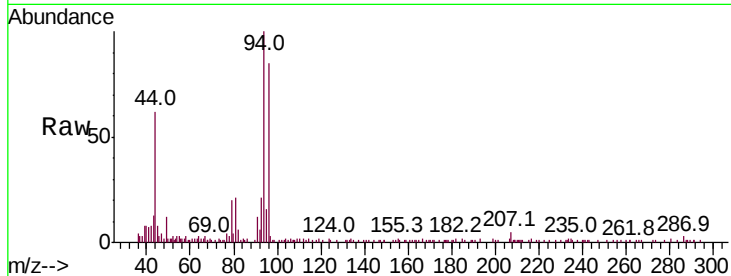
96 84.9 73.2 109.8

Manual Integrations

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#6

Chloroethane

Concen: 17.260 ug/l

RT: 1.45 min Scan# 93

Delta R.T. 0.01 min

Lab File: VF062776.D

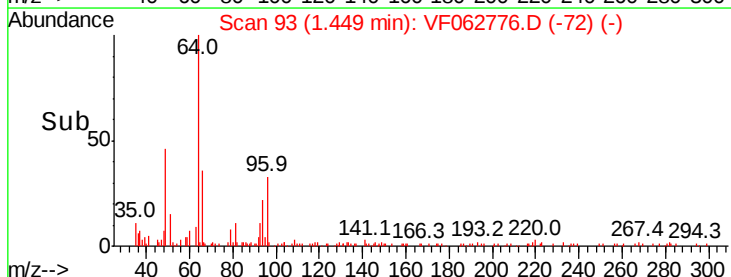
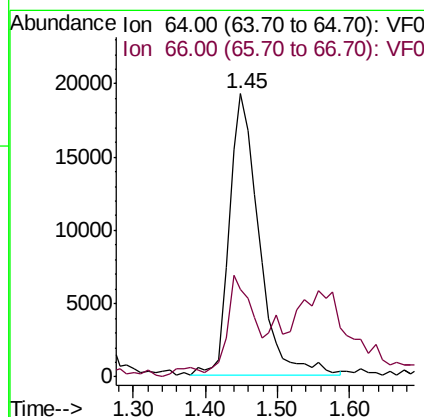
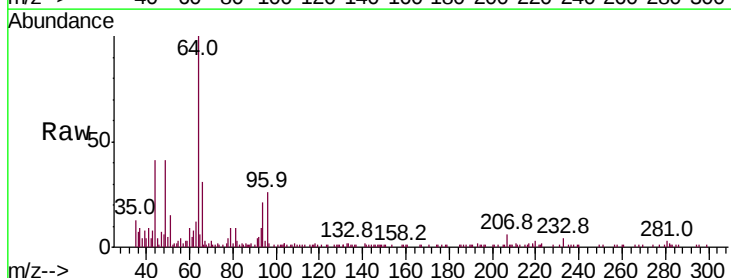
Acq: 29 May 2019 12:13

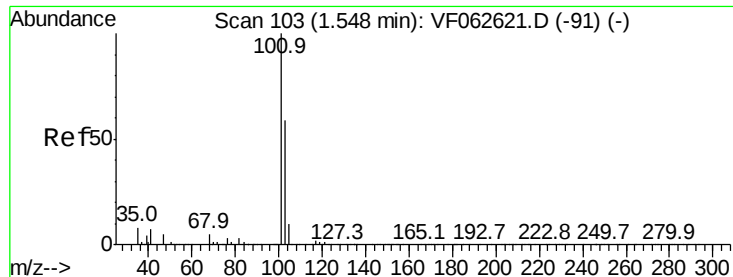
Tgt Ion: 64 Resp: 54686

Ion Ratio Lower Upper

64 100

66 32.1 23.4 35.2





#7

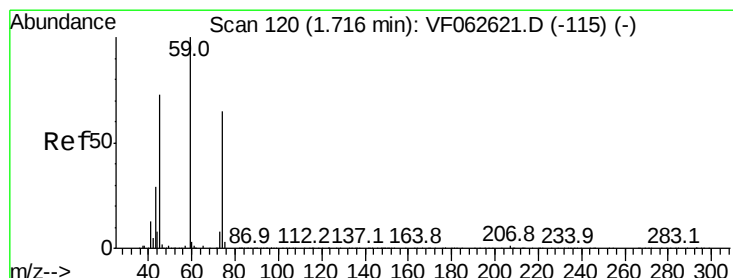
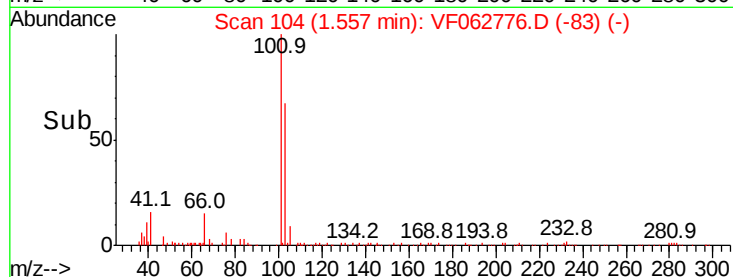
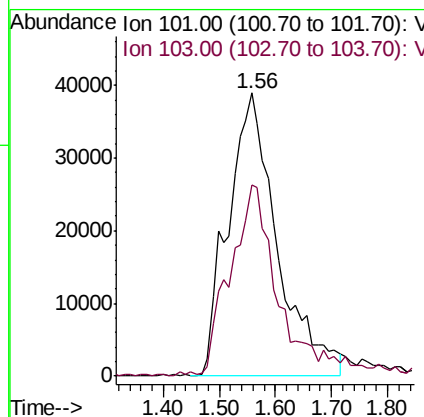
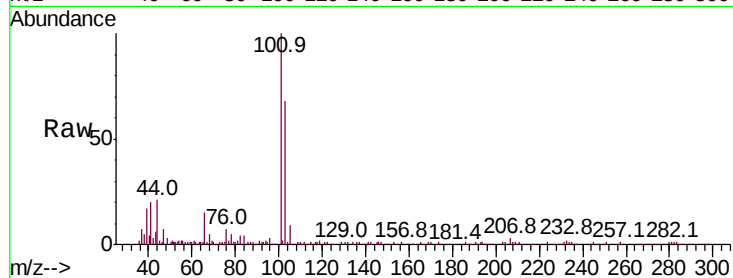
Trichlorofluoromethane
Concen: 20.380 ug/l
RT: 1.56 min Scan# 104
Delta R.T. 0.01 min
Lab File: VF062776.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.8	47.3	70.9

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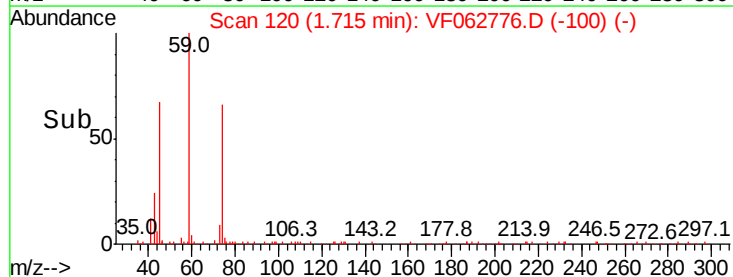
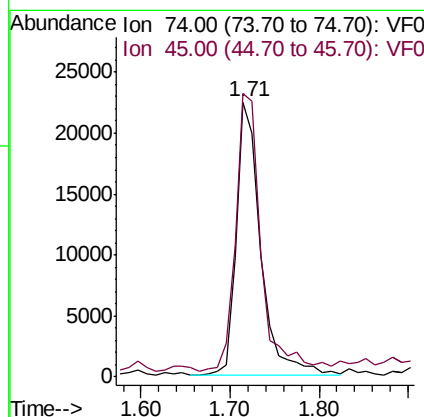
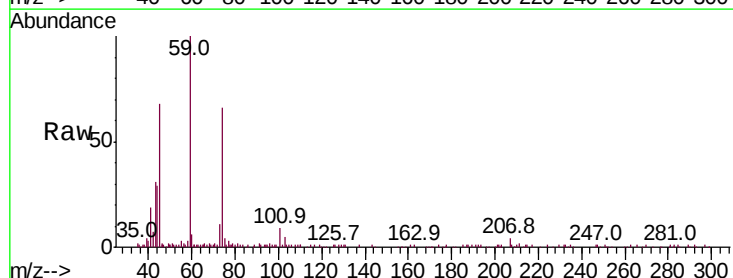
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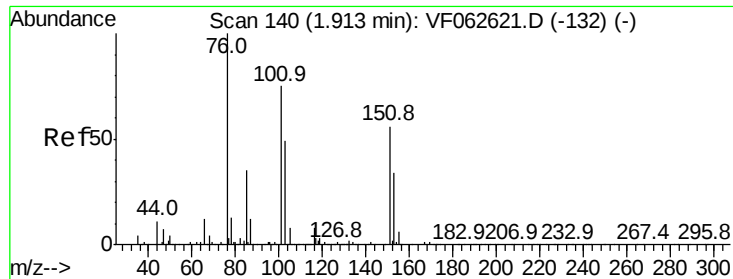


#8

Diethyl Ether
Concen: 18.929 ug/l
RT: 1.71 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	57.0	170.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.605 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

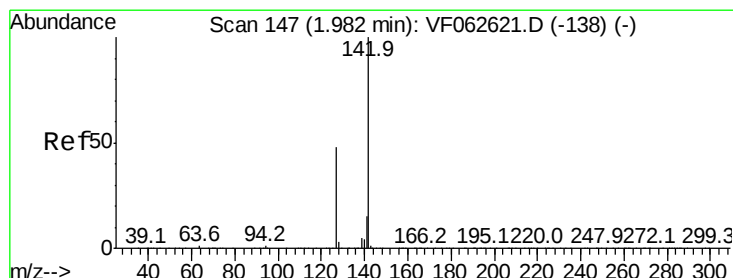
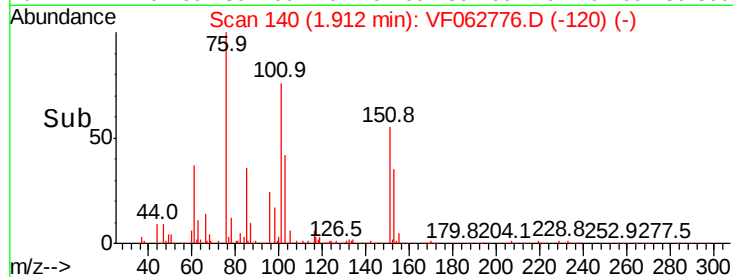
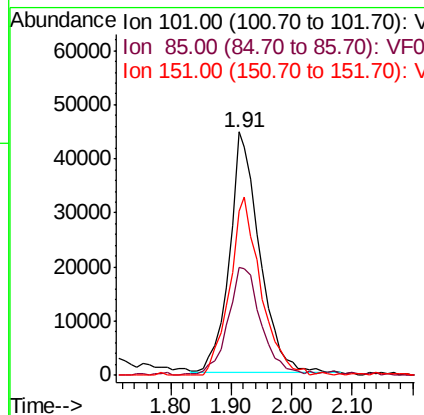
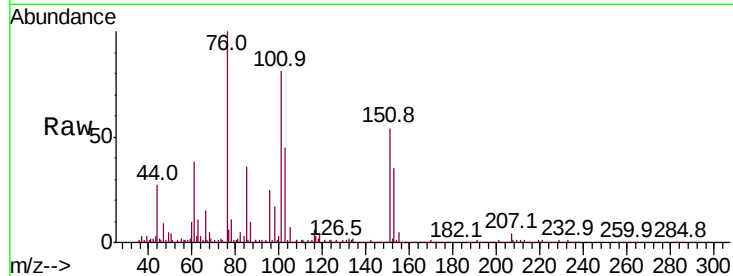
ClientSampleId :

VF0529SBS01

Tot Ion:	101	Resp:	151977
Ion Ratio	Lower	Upper	
101	100		
85	44.3	37.1	55.7
151	67.2	58.8	88.2

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#10

Methyl Iodide

Concen: 20.164 ug/l

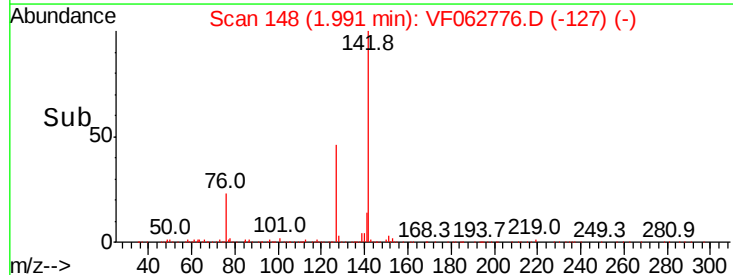
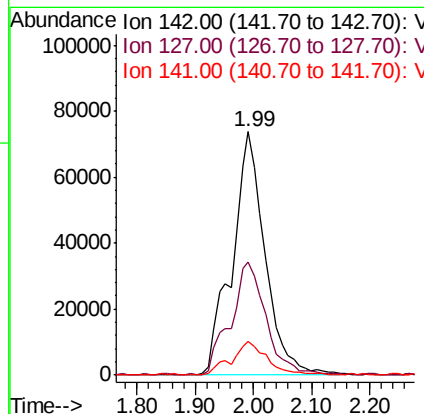
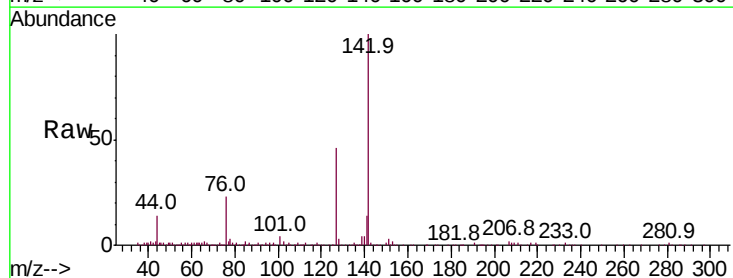
RT: 1.99 min Scan# 148

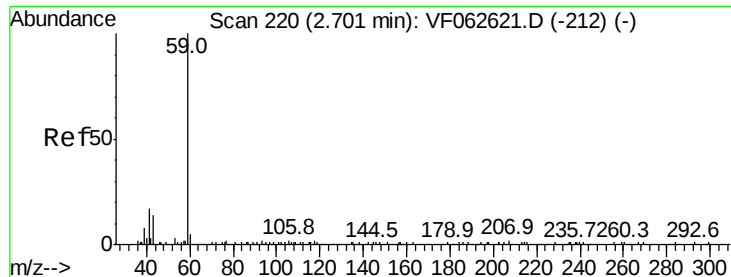
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	142	Resp:	292158
Ion Ratio	Lower	Upper	
142	100		
127	46.2	38.1	57.1
141	13.6	11.7	17.5





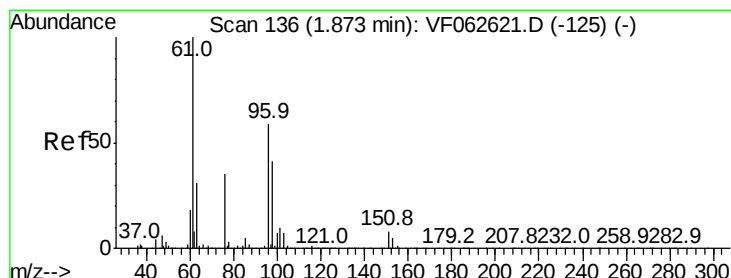
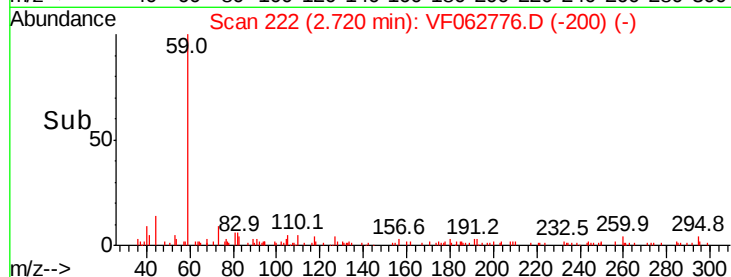
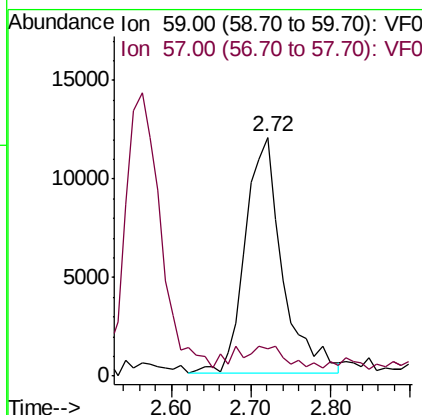
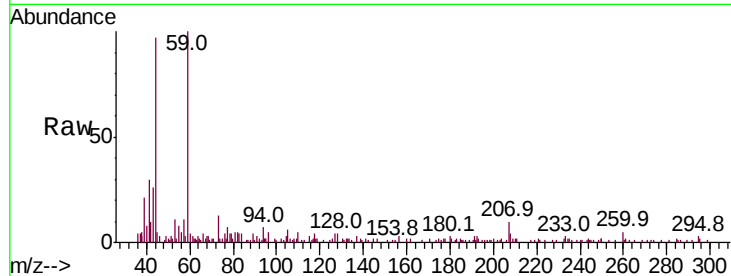
#11
Tert butyl alcohol
Concen: 109.992 ug/l
RT: 2.72 min Scan# 222
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	38381		
57	11.3		9.3	13.9

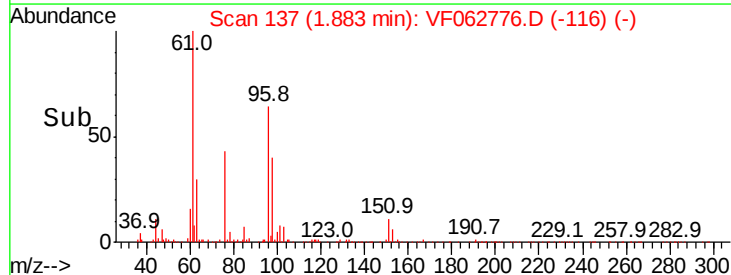
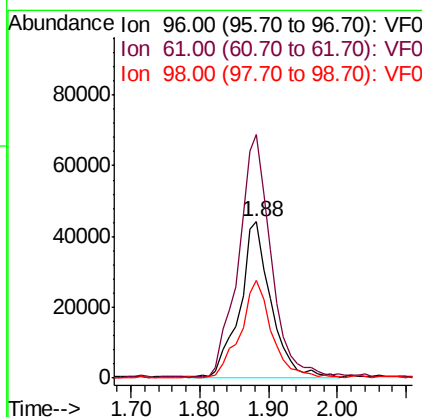
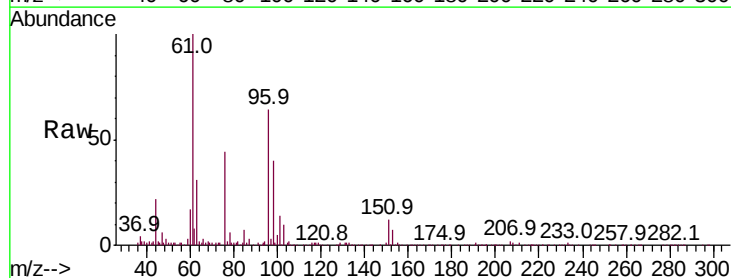
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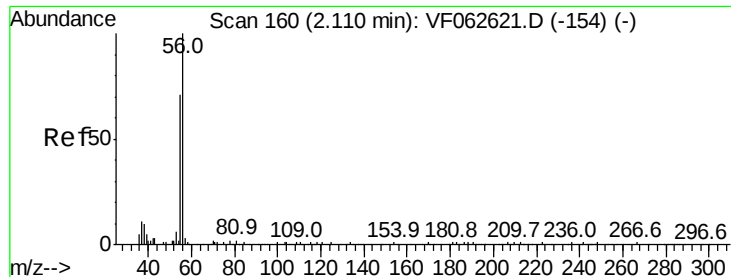
mmdadoda
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#12
1,1-Dichloroethene
Concen: 20.943 ug/l
RT: 1.88 min Scan# 137
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	140715		
61	156.1		134.3	201.5
98	63.0		55.0	82.6





#13

Acrolein

Concen: 86.246 ug/l

RT: 2.11 min Scan# 160

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 56 Resp: 31415

Ion Ratio Lower Upper

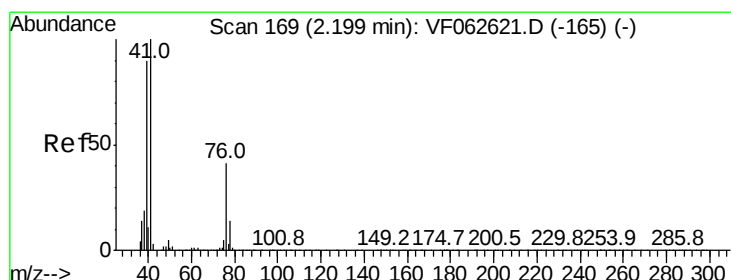
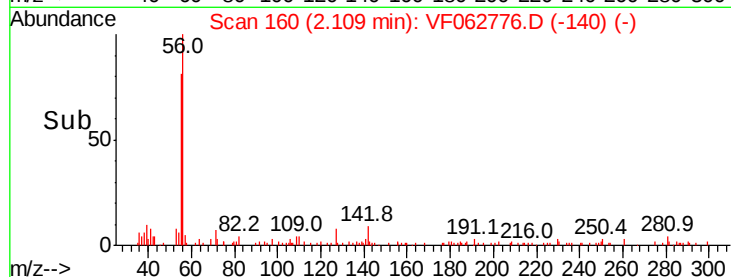
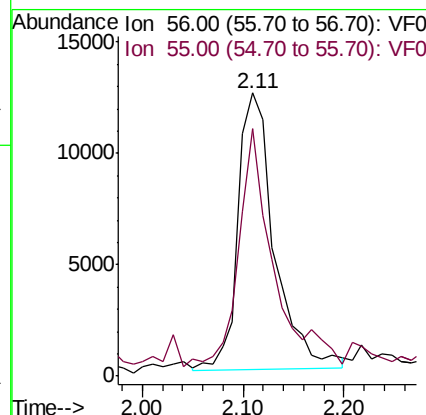
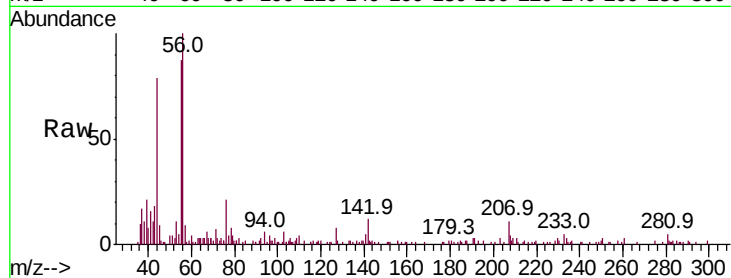
56 100

55 87.5 59.4 89.0

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#14

Allyl chloride

Concen: 23.647 ug/l

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

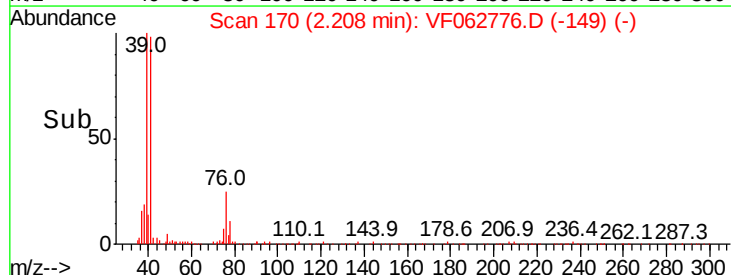
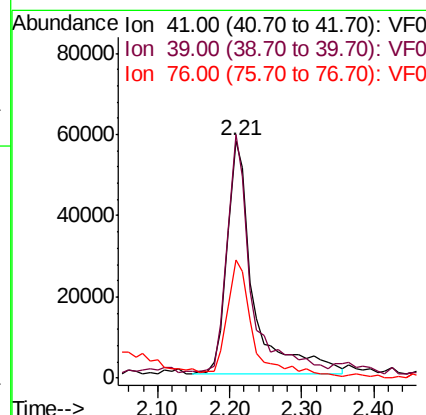
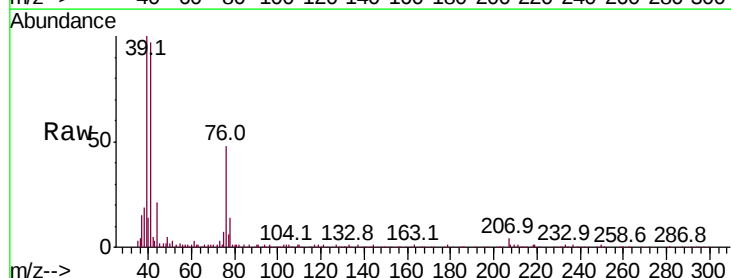
Tgt Ion: 41 Resp: 143797

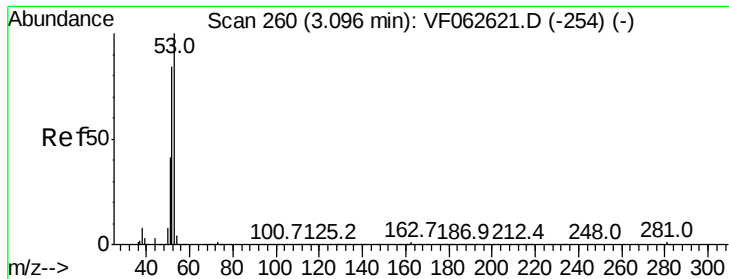
Ion Ratio Lower Upper

41 100

39 102.6 72.0 108.0

76 49.6 34.8 52.2





#15

Acrylonitrile

Concen: 117.373 ug/l

RT: 3.12 min Scan# 263

Delta R.T. 0.03 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

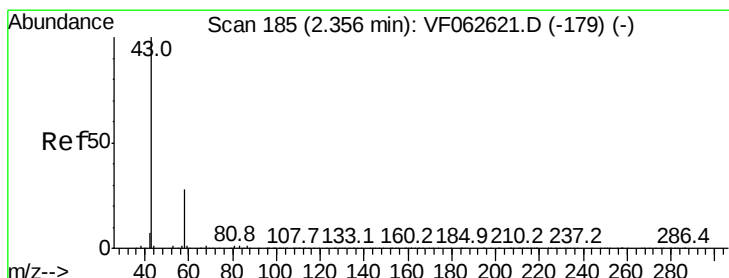
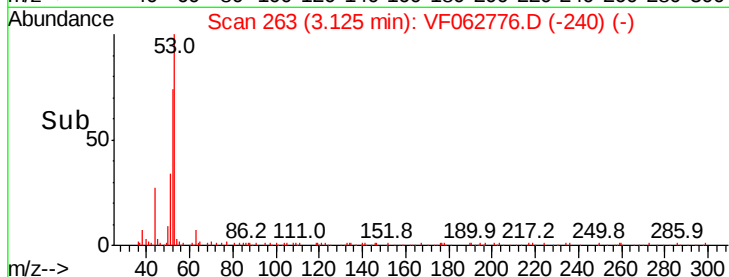
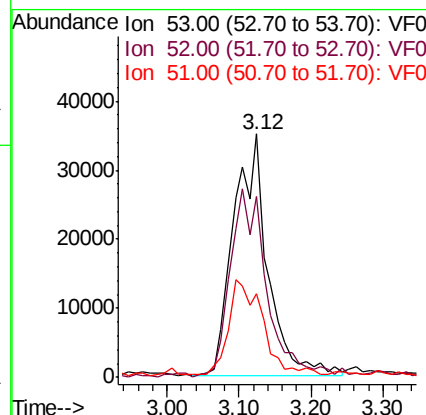
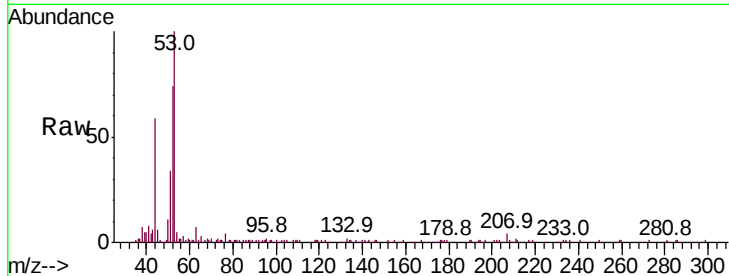
ClientSampleId :

VF0529SBS01

Tot Ion:	53	Resp:	115531
Ion Ratio		Lower	Upper
53	100		
52	74.4	67.3	100.9
51	34.1	33.0	49.6

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#16

Acetone

Concen: 91.256 ug/l

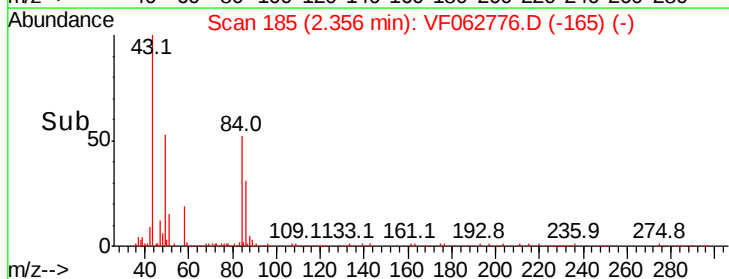
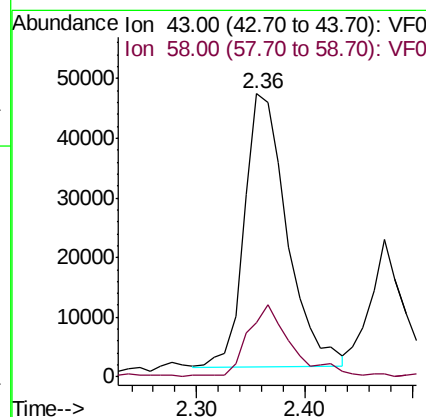
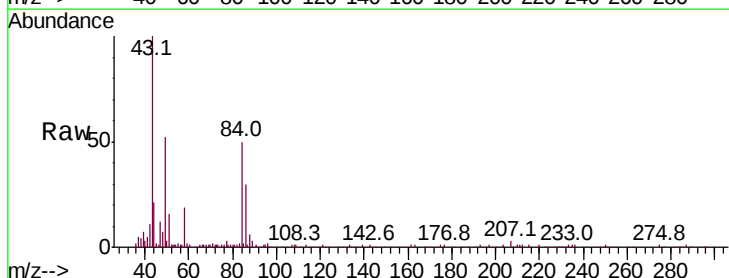
RT: 2.36 min Scan# 185

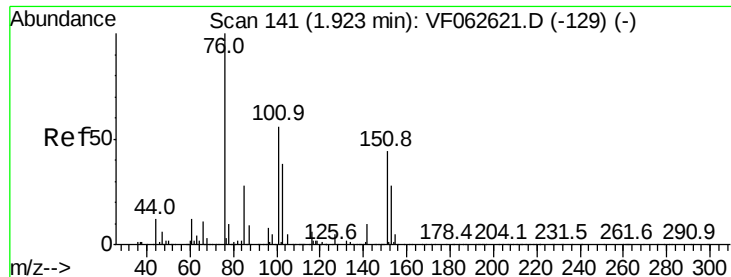
Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	43	Resp:	125129
Ion Ratio		Lower	Upper
43	100		
58	19.2	22.6	33.8#





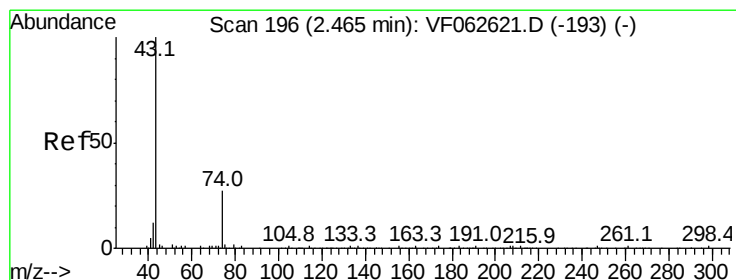
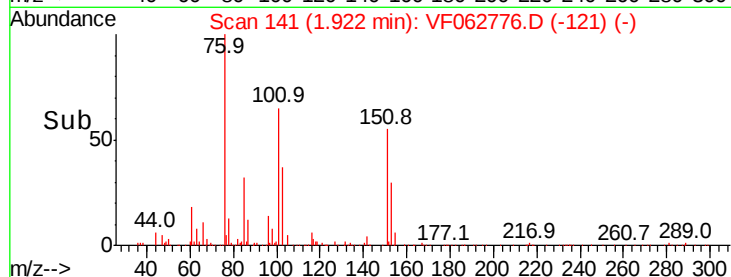
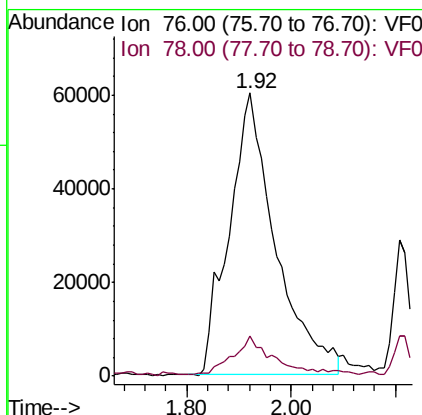
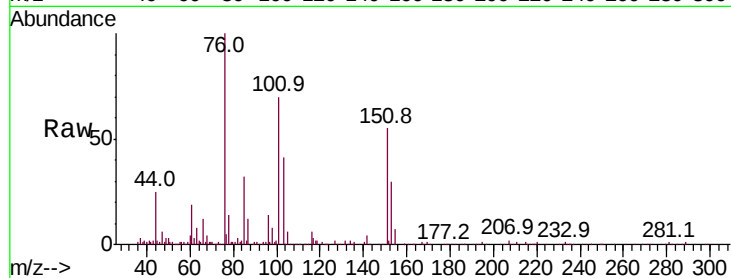
#17
Carbon Disulfide
Concen: 18.407 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion: 76 Resp: 366572
Ion Ratio Lower Upper
76 100
78 14.2 8.4 12.6#

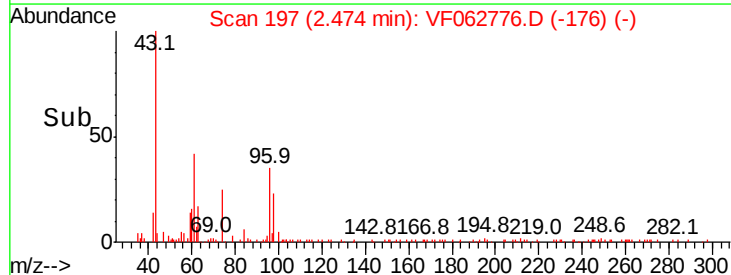
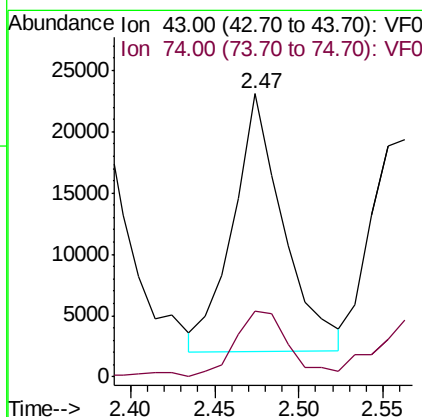
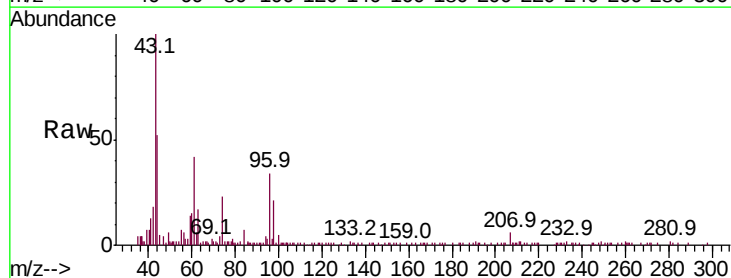
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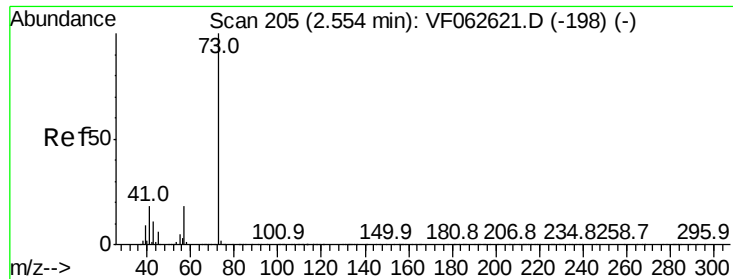
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#18
Methyl Acetate
Concen: 20.223 ug/l
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 43 Resp: 43575
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3





#19

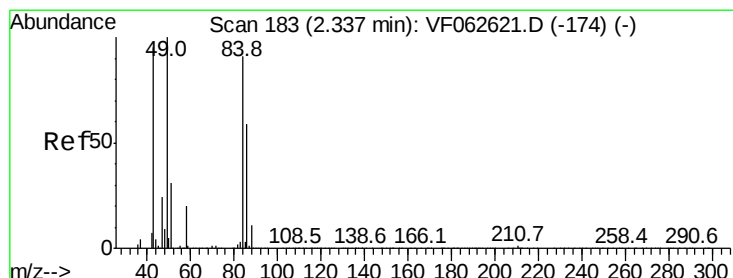
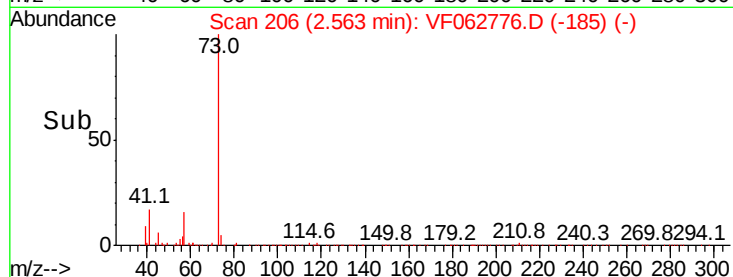
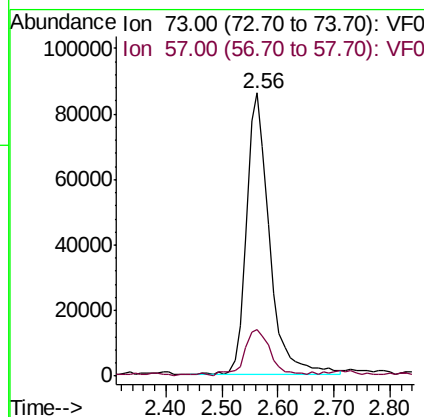
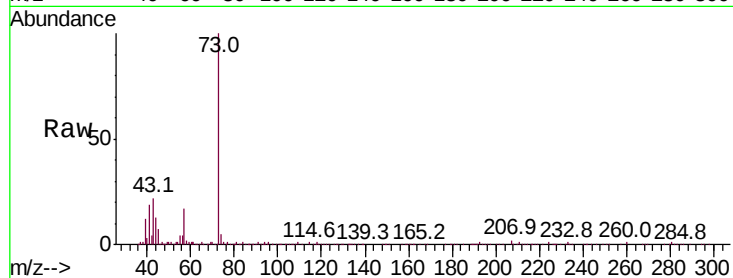
Methyl tert-butyl Ether
Concen: 20.263 ug/l
RT: 2.56 min Scan# 206
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
73	100	243385		
57	16.6		14.2	21.4

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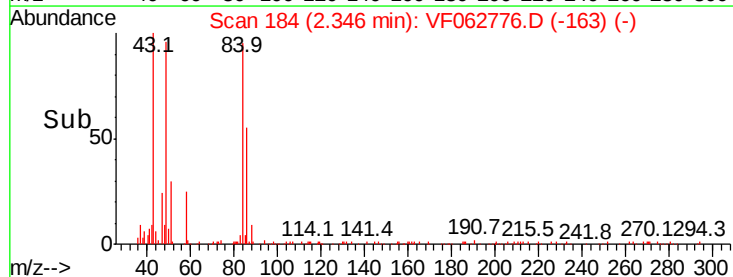
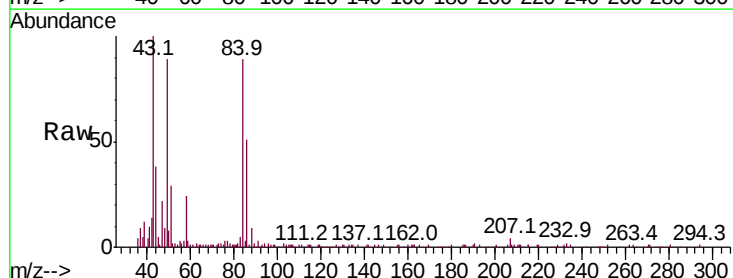
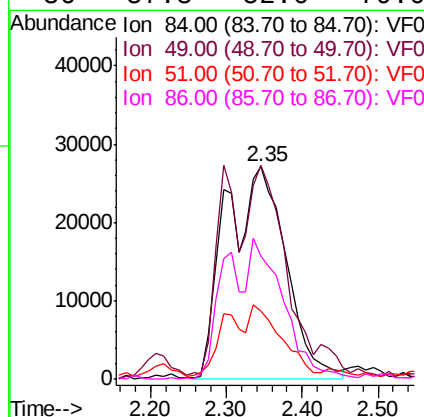
mmdadoda
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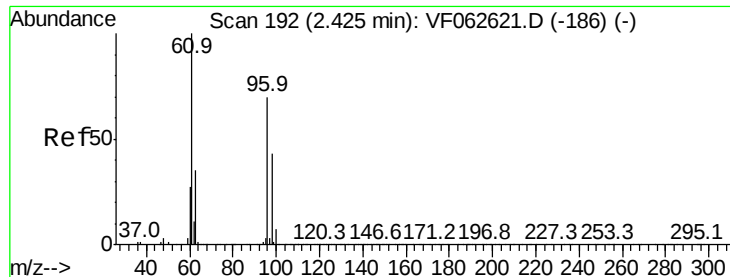


#20

Methylene Chloride
Concen: 21.717 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
84	100	149263		
49	100.5		89.8	134.8
51	32.1		28.4	42.6
86	57.8		52.6	79.0





#21

trans-1,2-Dichloroethene

Concen: 20.354 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

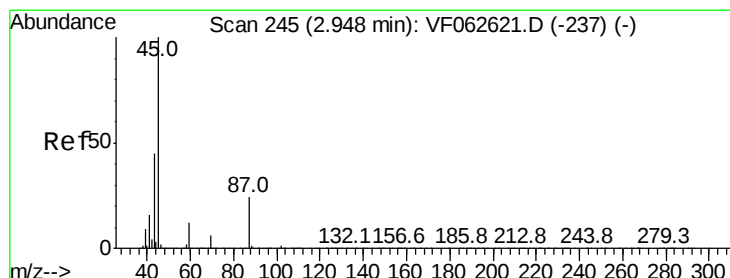
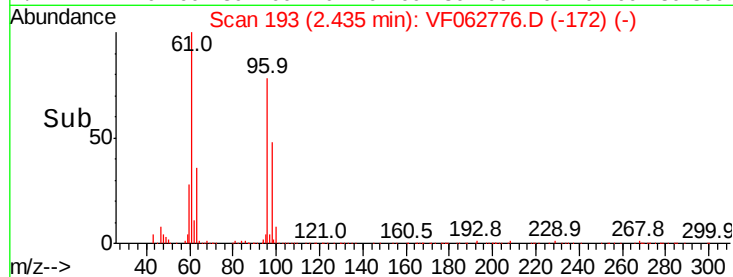
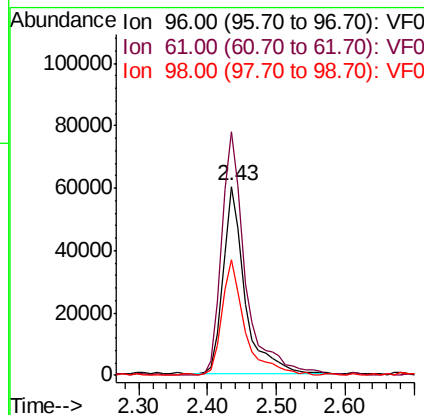
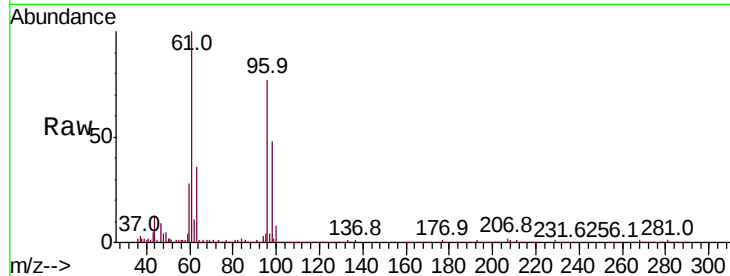
ClientSampleId :

VF0529SBS01

Tot Ion:	96	Resp:	133668
Ion	Ratio	Lower	Upper
96	100		
61	129.1	114.6	171.8
98	61.4	49.5	74.3

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#22

Diisopropyl ether

Concen: 19.933 ug/l

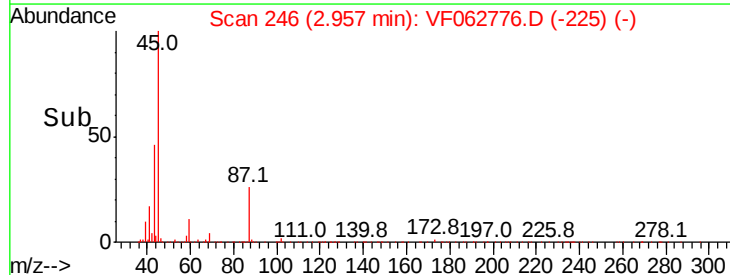
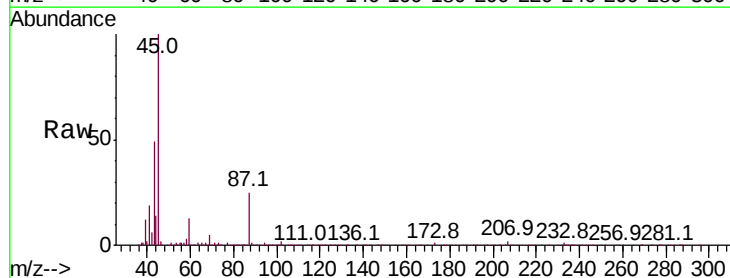
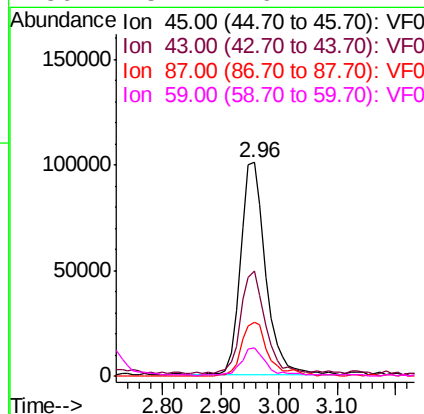
RT: 2.96 min Scan# 246

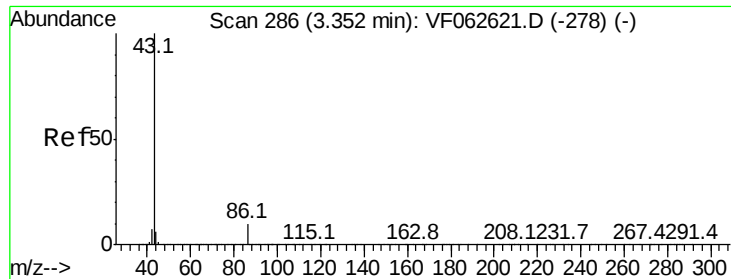
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	45	Resp:	298962
Ion	Ratio	Lower	Upper
45	100		
43	48.9	36.4	54.6
87	25.5	19.3	28.9
59	13.1	9.4	14.2





#23

Vinyl Acetate

Concen: 110.821 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 43 Resp: 1121224

Ion Ratio Lower Upper

43 100

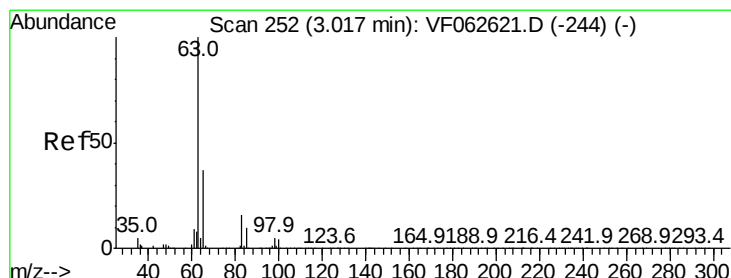
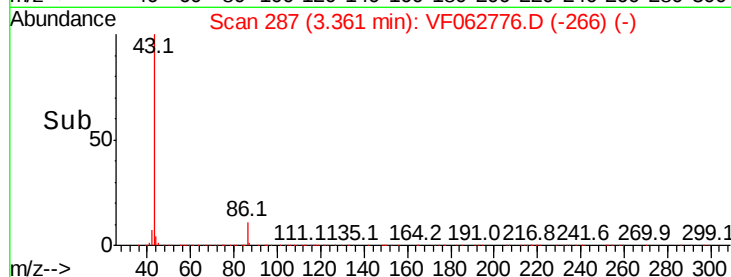
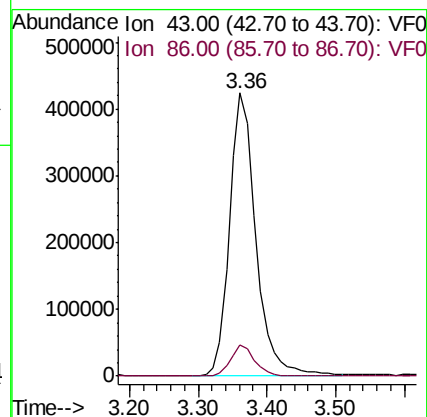
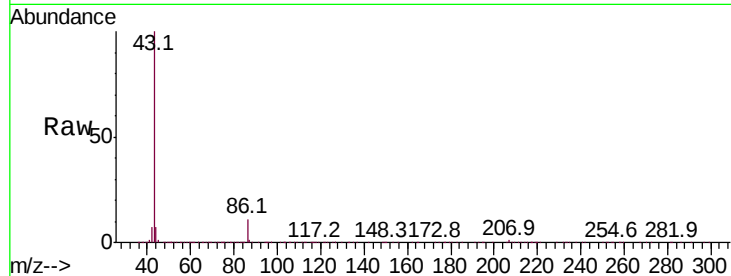
86 10.8 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 20.230 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

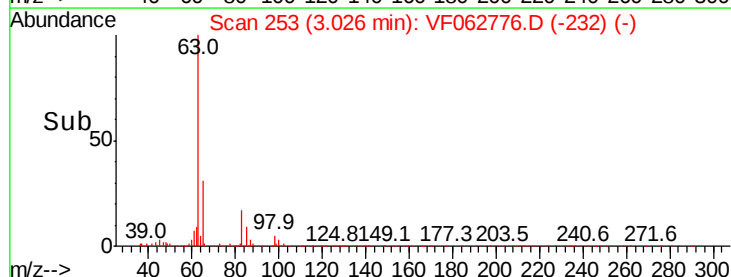
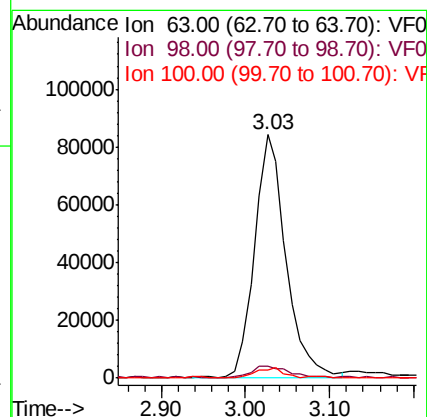
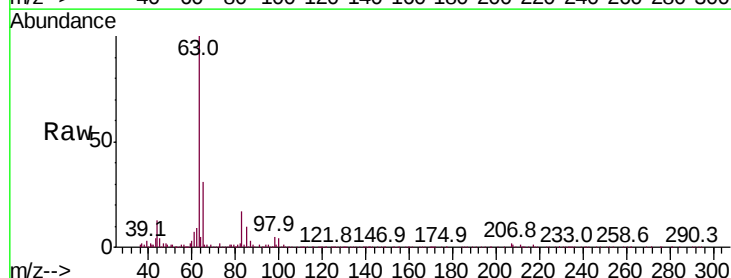
Tgt Ion: 63 Resp: 222589

Ion Ratio Lower Upper

63 100

98 5.0 2.8 8.3

100 3.5 1.9 5.7





#25

2-Butanone

Concen: 107.460 ug/l

RT: 4.54 min Scan# 407

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 43 Resp: 314809

Ion Ratio Lower Upper

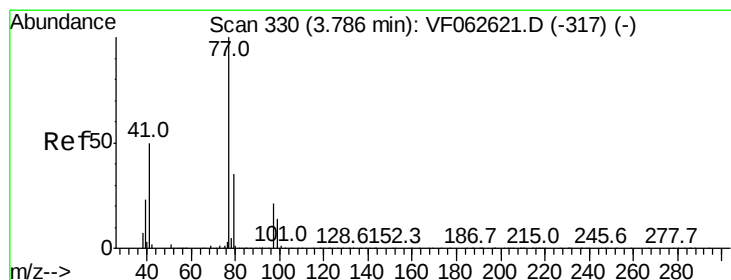
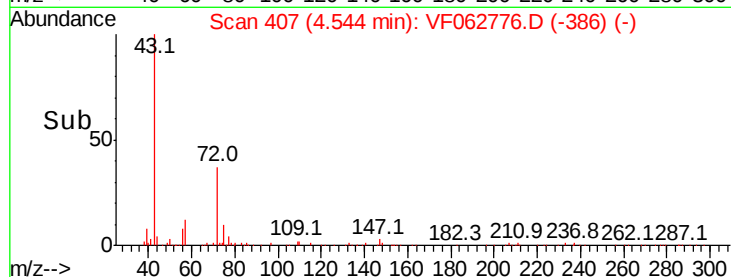
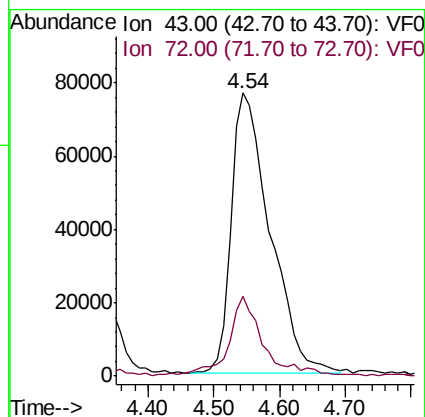
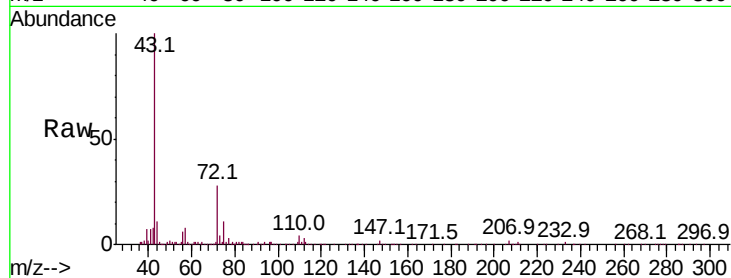
43 100

72 28.1 20.1 30.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 22.628 ug/l

RT: 3.79 min Scan# 331

Delta R.T. 0.01 min

Lab File: VF062776.D

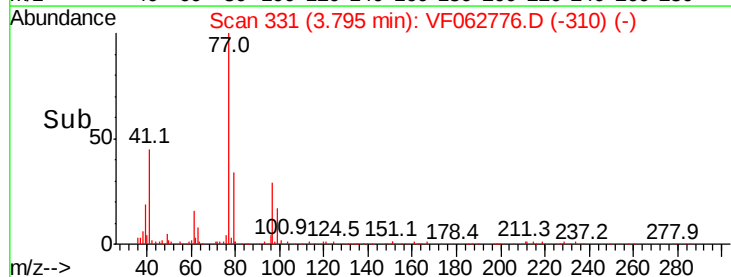
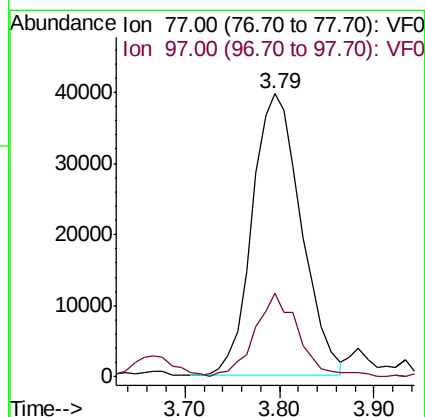
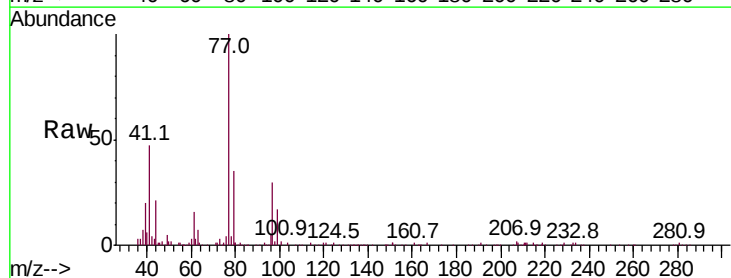
Acq: 29 May 2019 12:13

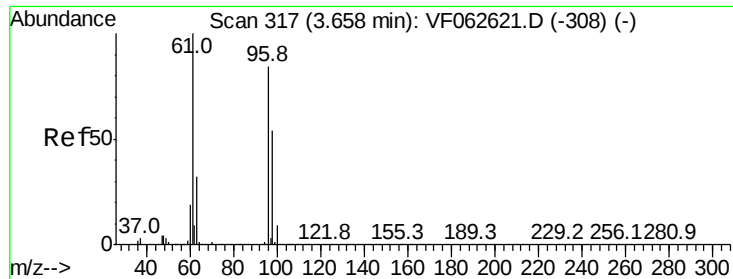
Tgt Ion: 77 Resp: 142451

Ion Ratio Lower Upper

77 100

97 29.5 14.1 42.4





#27

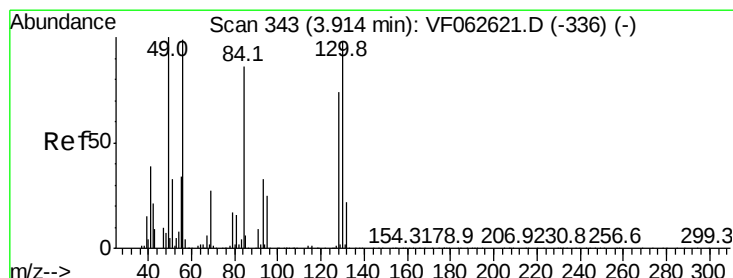
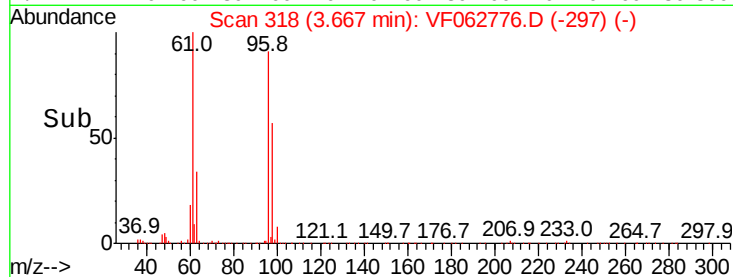
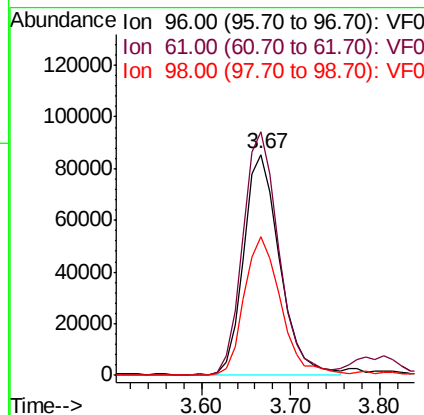
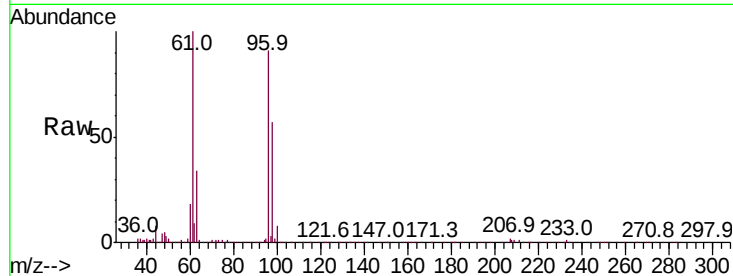
cis-1,2-Dichloroethene
Concen: 22.049 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	238187		
61	110.2	0.0	237.4	
98	63.0	0.0	129.0	

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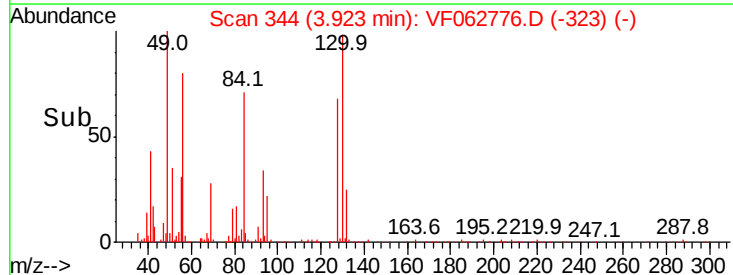
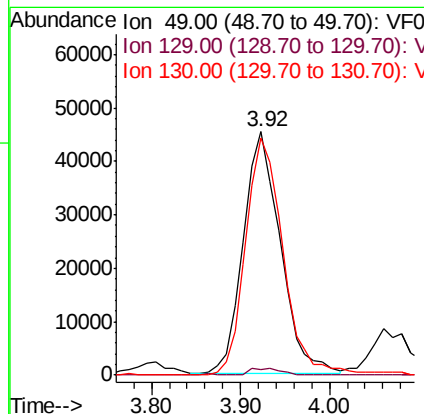
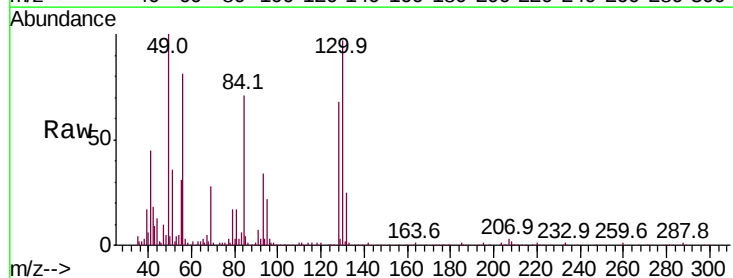
mmdadoda
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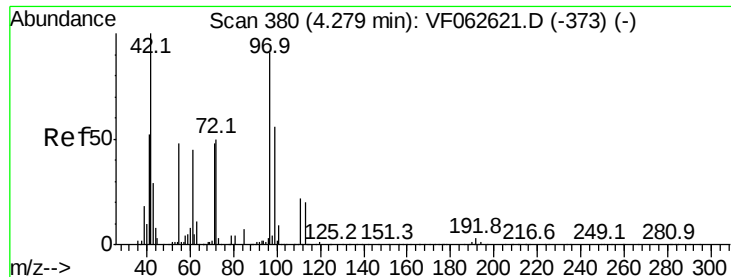


#28

Bromochloromethane
Concen: 21.225 ug/l
RT: 3.92 min Scan# 344
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130978		
129	2.5	0.0	4.0	
130	97.2	77.8	116.8	





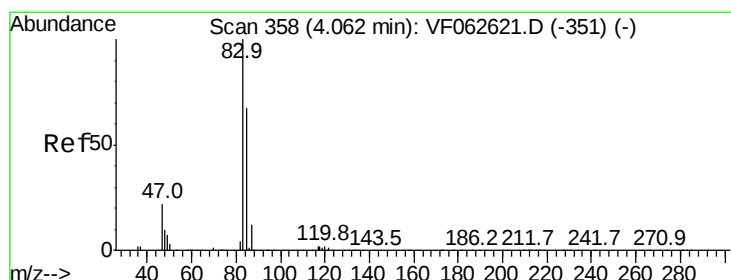
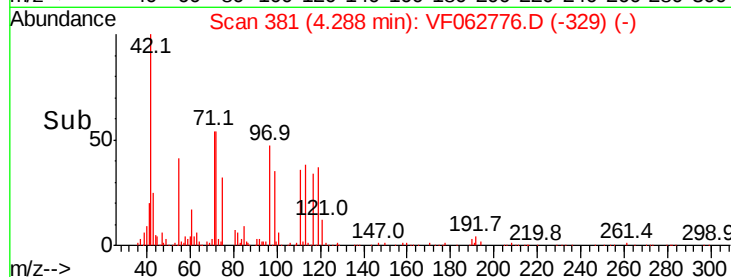
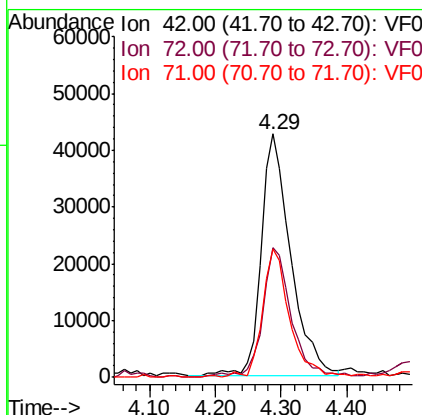
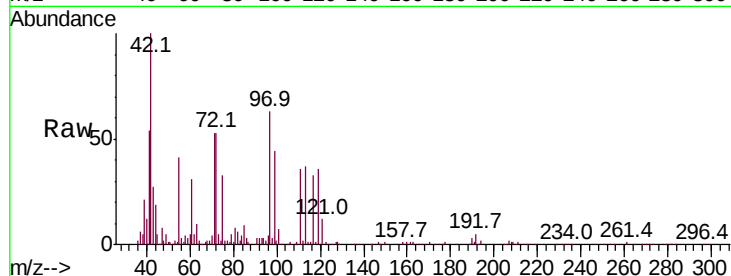
#29
Tetrahydrofuran
Concen: 112.486 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	50.0	38.2	57.2
71	49.4	35.8	53.6

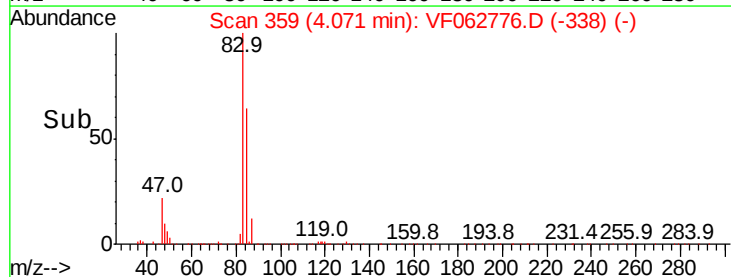
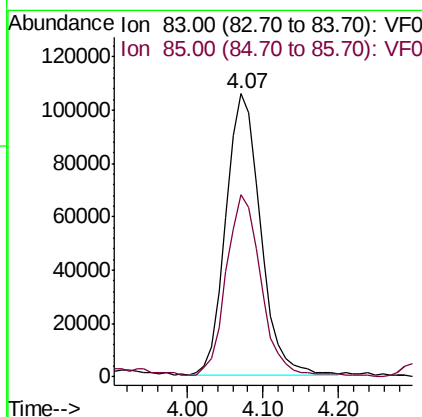
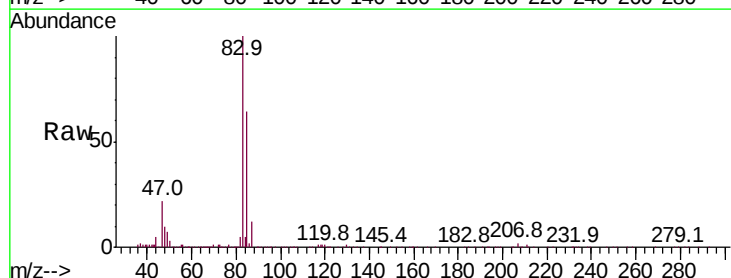
Manual Integrations
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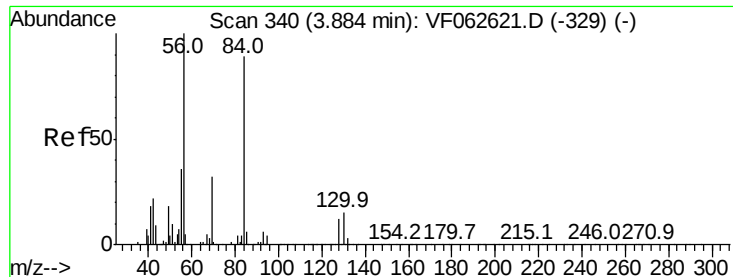
mmdadoda
5/30/2019 11:01:59 AM



#30
Chloroform
Concen: 21.953 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.6	80.4





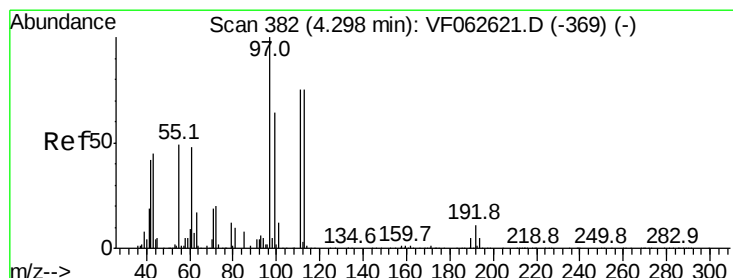
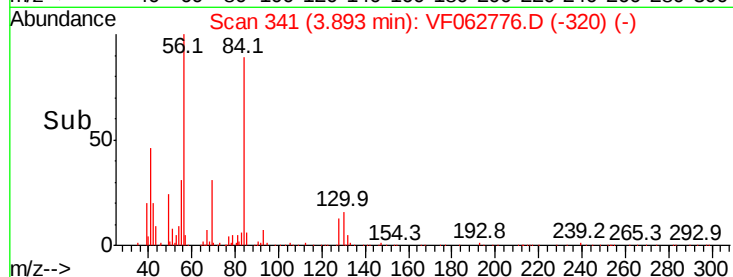
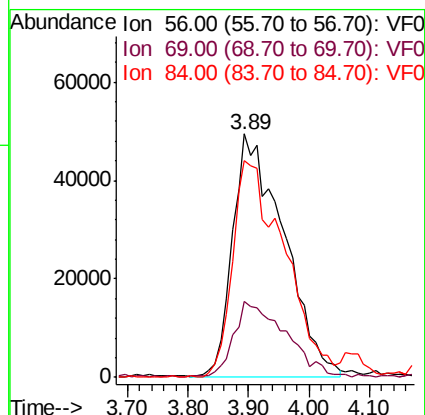
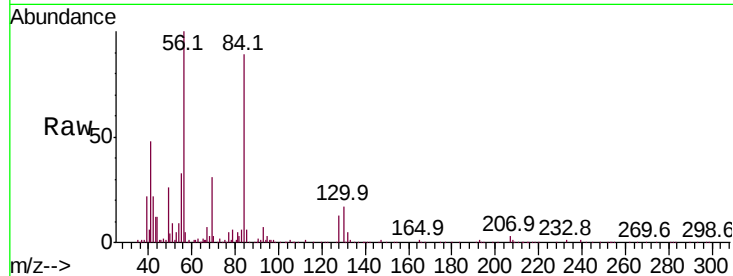
#31
Cvclohexane
Concen: 19.671 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	56	Resp	290614
Ion Ratio	Lower	Upper	
56	100		
69	31.3	25.3	37.9
84	89.3	71.0	106.4

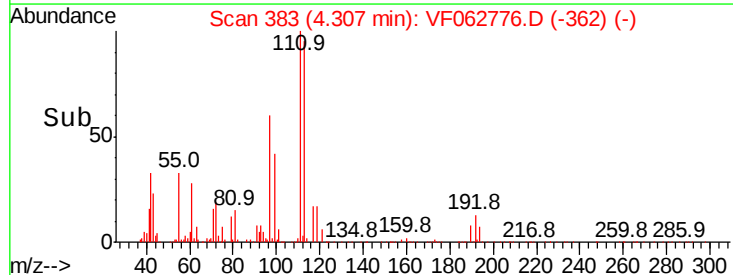
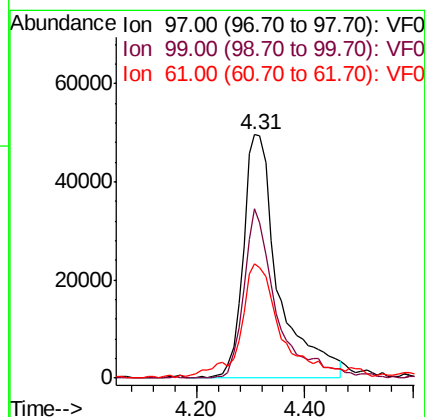
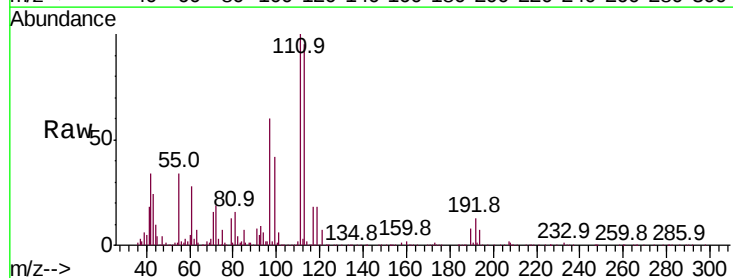
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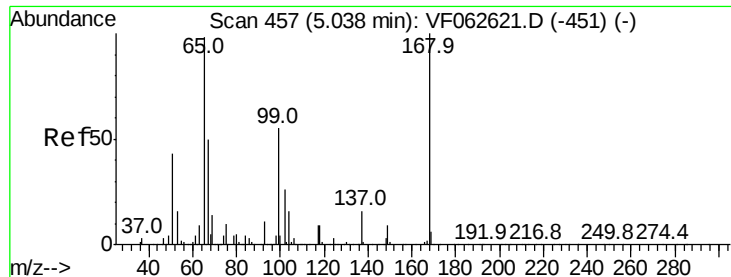
mmdadoda
5/30/2019 11:01:59 AM



#32
1,1,1-Trichloroethane
Concen: 21.842 ug/l
RT: 4.31 min Scan# 383
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	97	Resp	221592
Ion Ratio	Lower	Upper	
97	100		
99	69.3	51.3	76.9
61	46.9	38.2	57.2





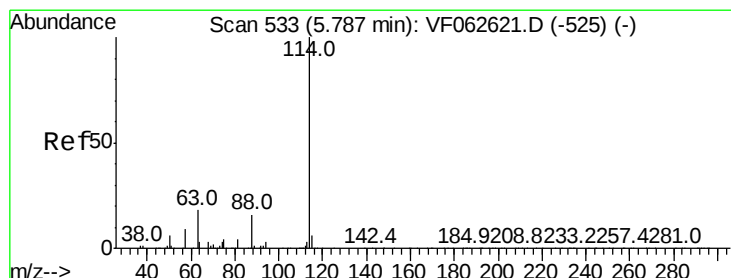
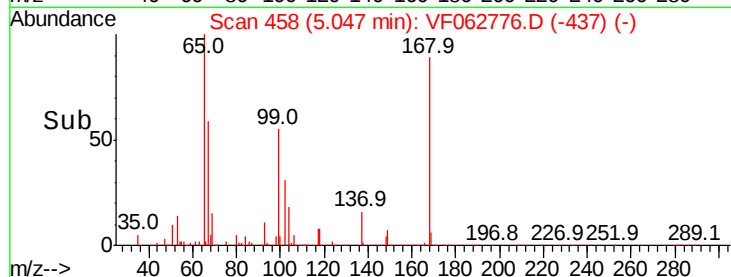
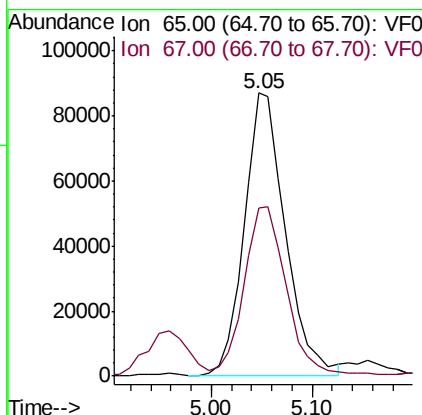
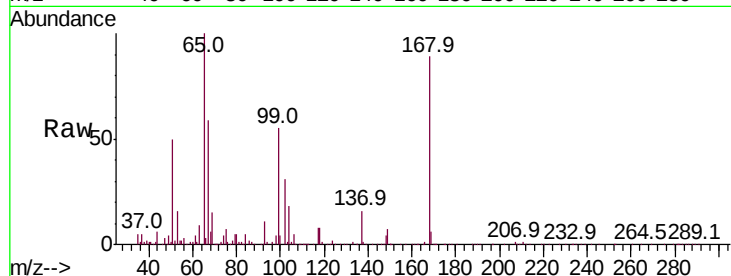
#33
 1,2-Dichloroethane-d4
 Concen: 46.324 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	244841		
67	59.5	0.0	117.6	

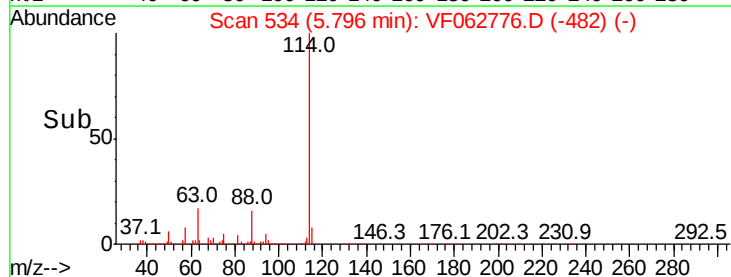
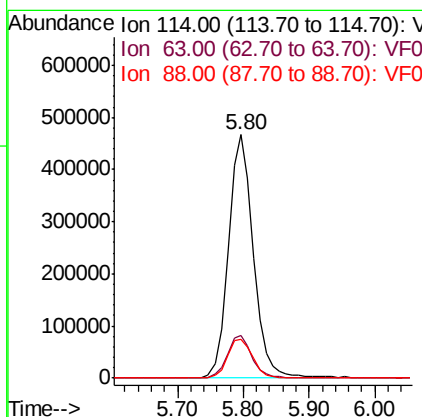
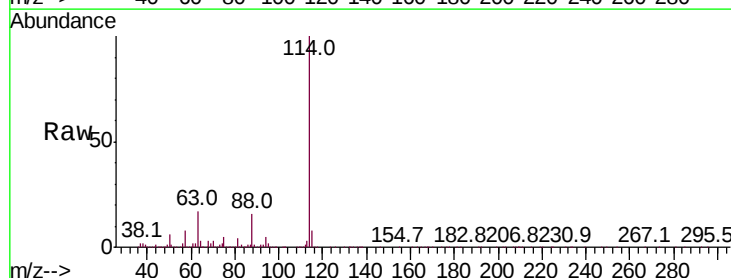
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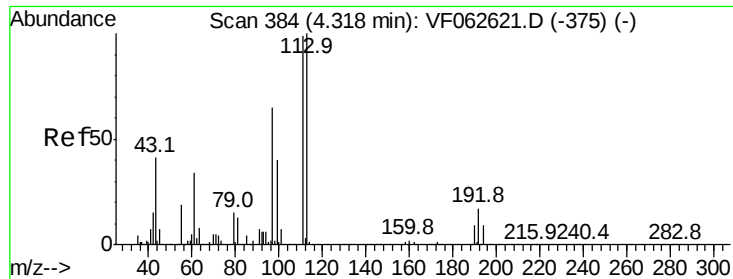
mmdadoda
 5/30/2019 11:01:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.80 min Scan# 534
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1236295		
63	17.4	0.0	35.4	
88	16.2	0.0	32.4	





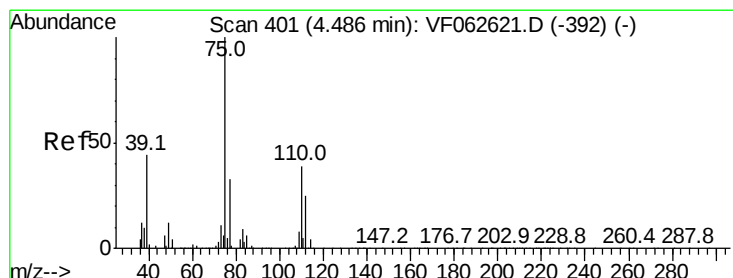
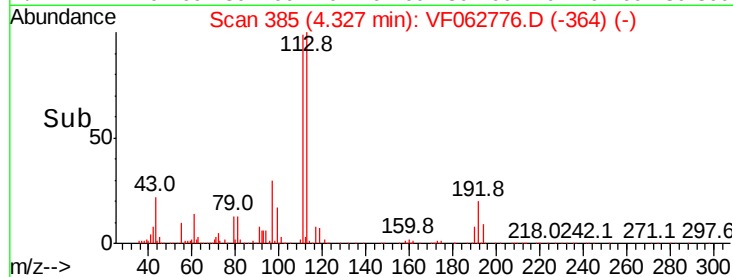
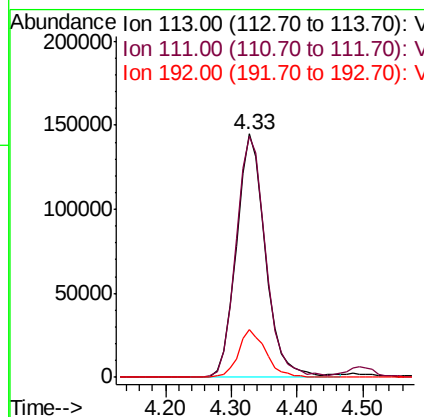
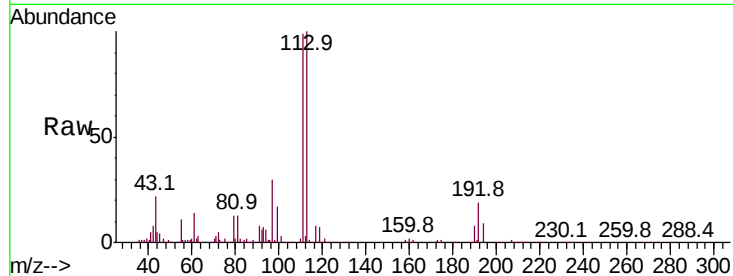
#35
 Dibromofluoromethane
 Concen: 47.463 ug/l
 RT: 4.33 min Scan# 385
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	449010		
111	98.9	79.4	119.2	
192	19.8	13.4	20.2	

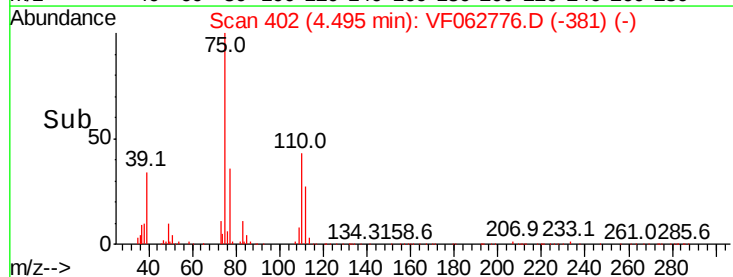
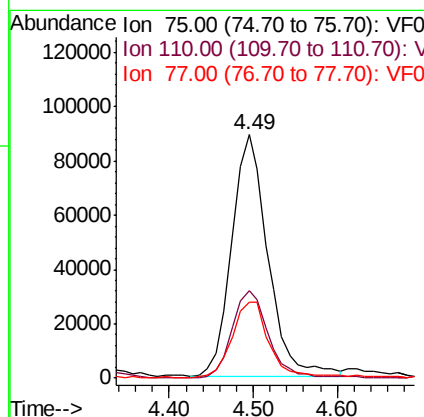
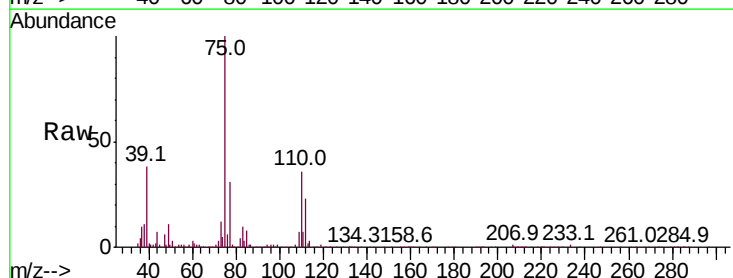
Manual Integrations
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#36
 1,1-Dichloropropene
 Concen: 21.076 ug/l
 RT: 4.49 min Scan# 402
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	266996		
110	36.0	19.7	59.1	
77	31.4	26.3	39.5	





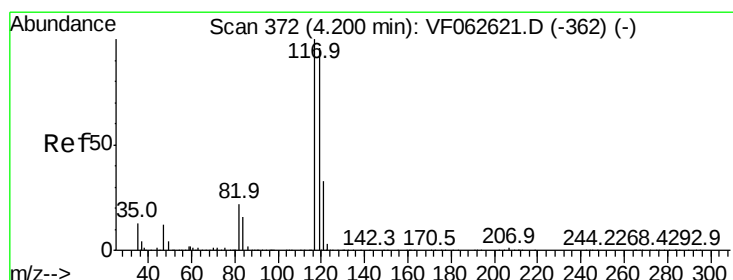
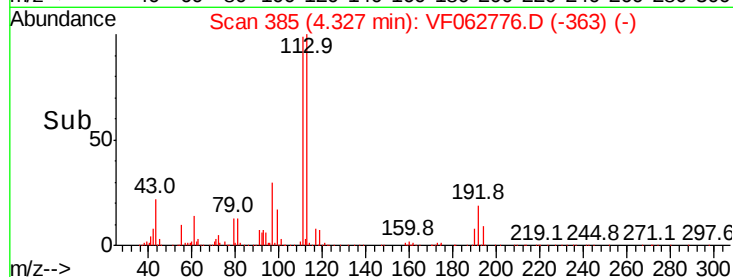
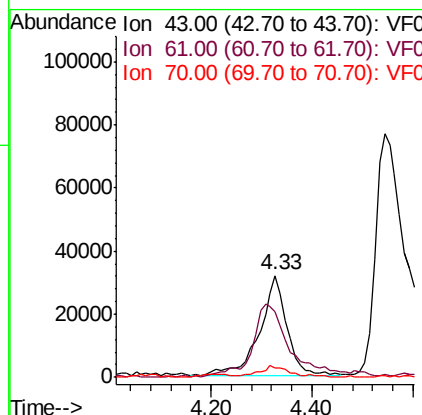
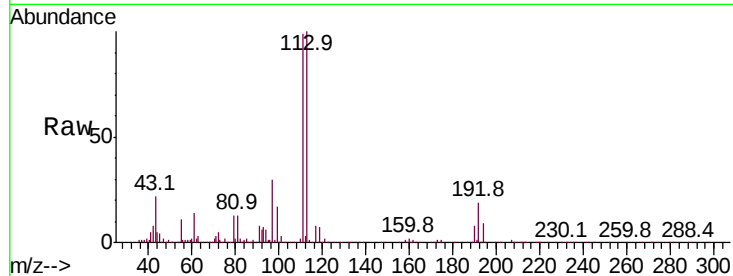
#37
Ethyl Acetate
Concen: 22.902 ug/l
RT: 4.33 min Scan# 385
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	64.0	76.9	115.3#
70	9.5	8.8	13.2

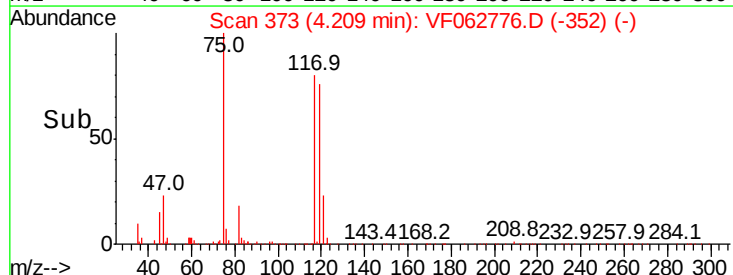
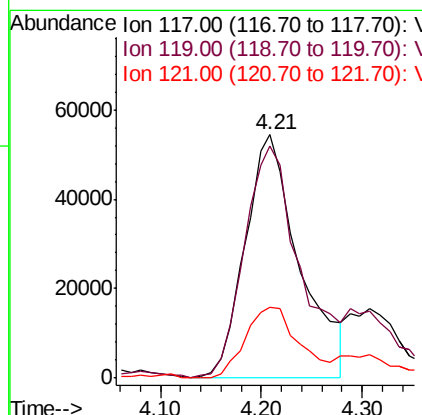
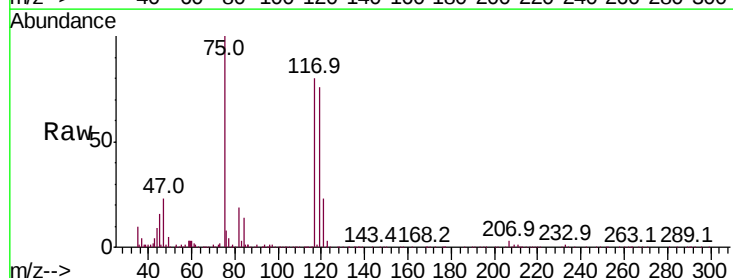
Manual Integrations
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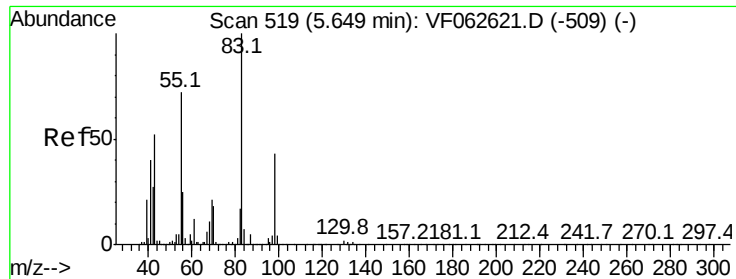
mmdadoda
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#38
Carbon Tetrachloride
Concen: 21.250 ug/l
RT: 4.21 min Scan# 373
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.7	115.1
121	29.0	26.6	40.0





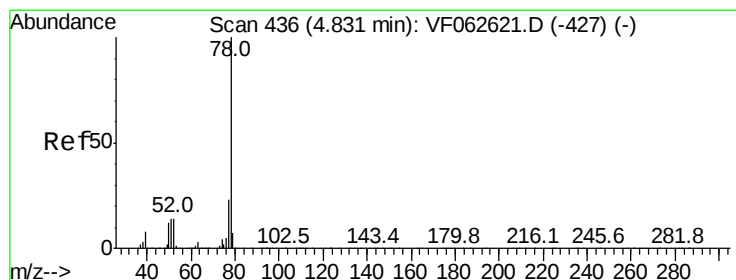
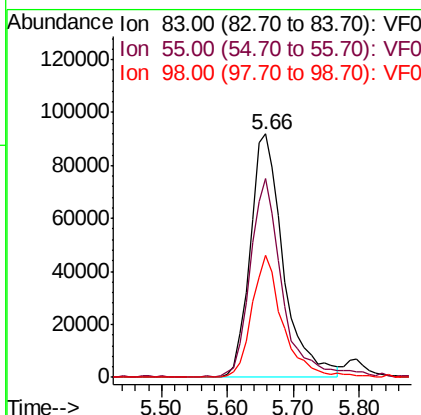
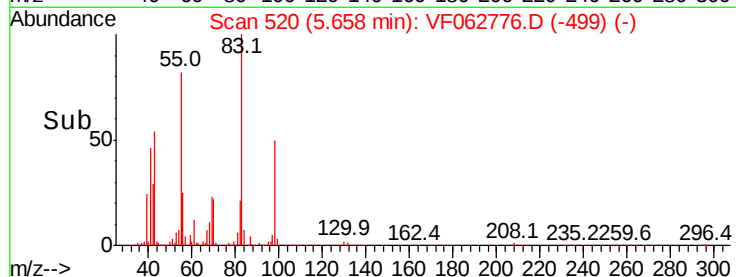
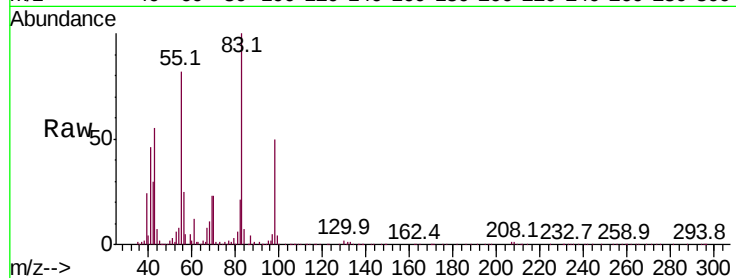
#39
Methvlcvclohexane
Concen: 21.253 ug/l
RT: 5.66 min Scan# 520
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.8	57.9	86.9	
98	49.9	34.6	52.0	

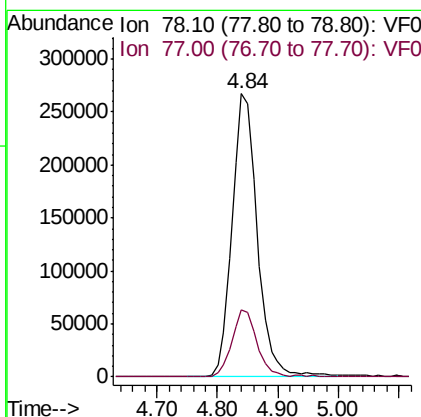
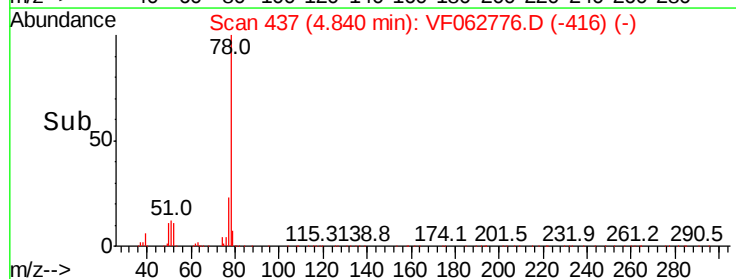
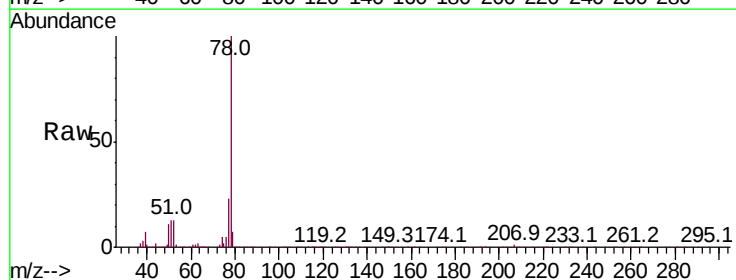
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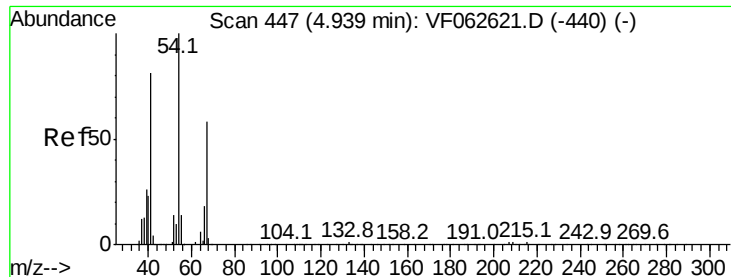
mmdadoda
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#40
Benzene
Concen: 22.469 ug/l
RT: 4.84 min Scan# 437
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.2	27.2	





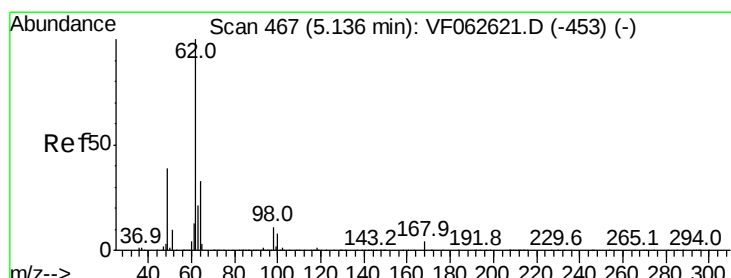
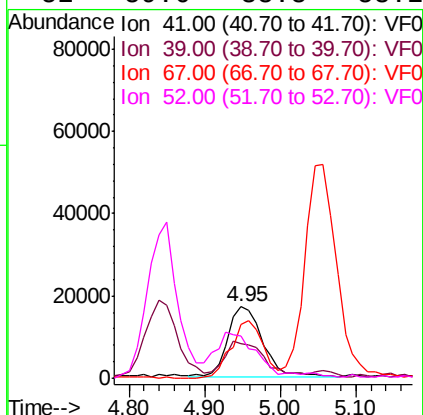
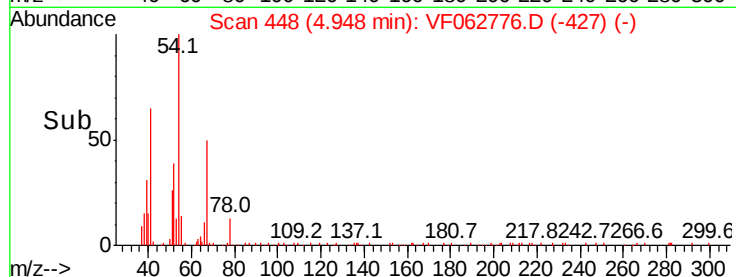
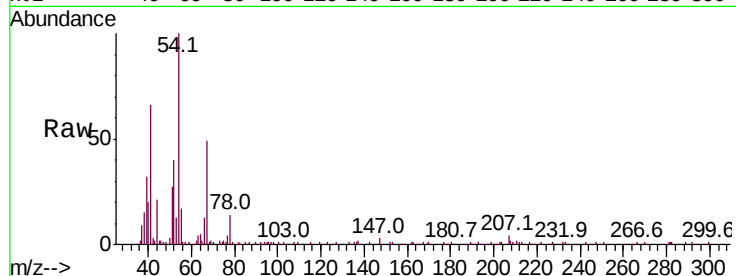
#41
Methacrylonitrile
Concen: 19.864 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	48.3	42.2	63.2
67	74.6	56.4	84.6
52	59.6	38.8	58.2#

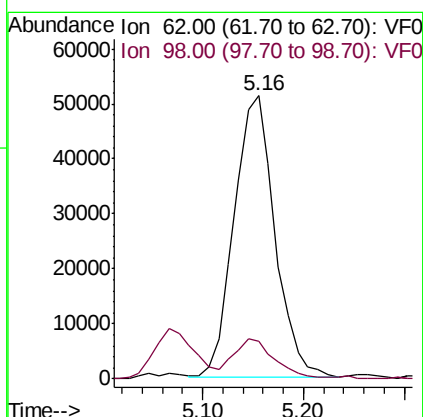
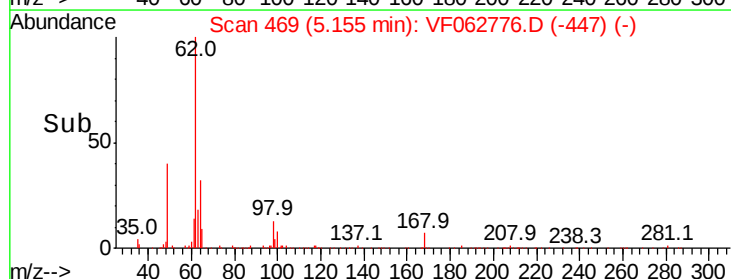
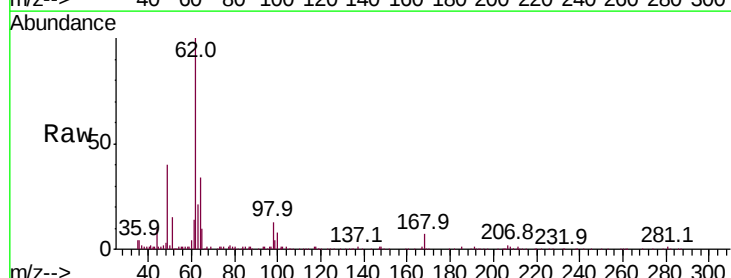
Manual Integrations
APPROVED

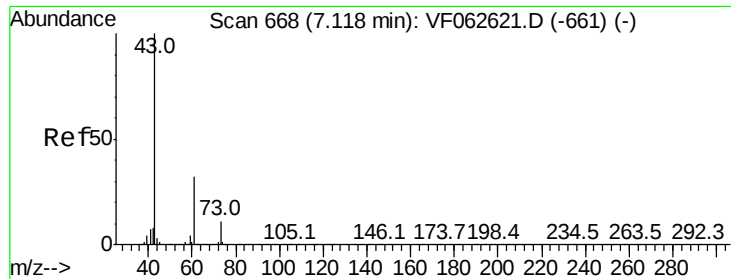
mmdadoda
5/30/2019 11:01:59 AM



#42
1,2-Dichloroethane
Concen: 20.881 ug/l
RT: 5.16 min Scan# 469
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	13.2	0.0	21.6





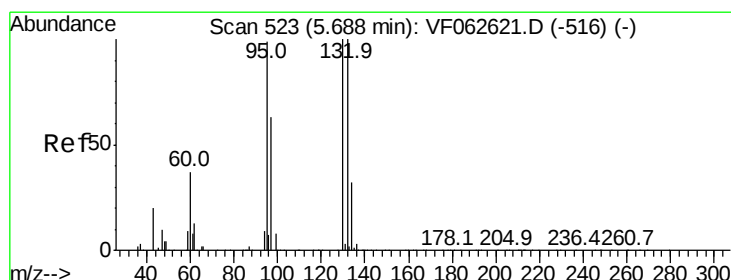
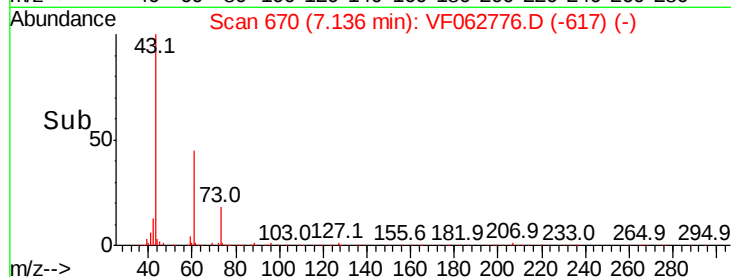
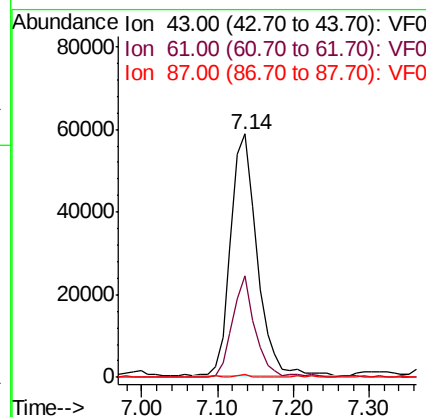
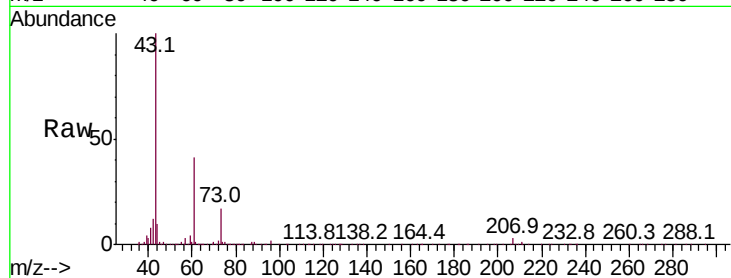
#43
Isopropyl Acetate
Concen: 21.084 ug/l
RT: 7.14 min Scan# 670
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	41.5	25.8	38.8#
87	1.0	0.4	0.6#

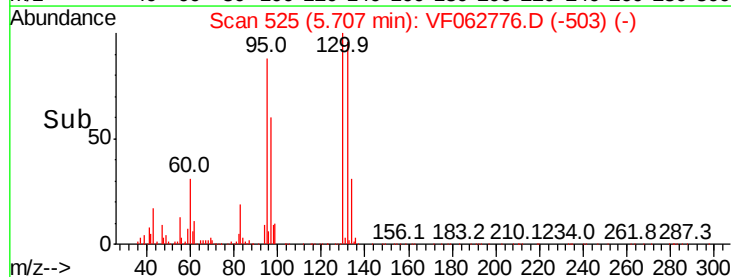
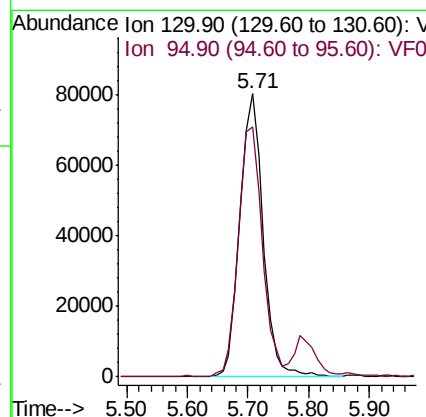
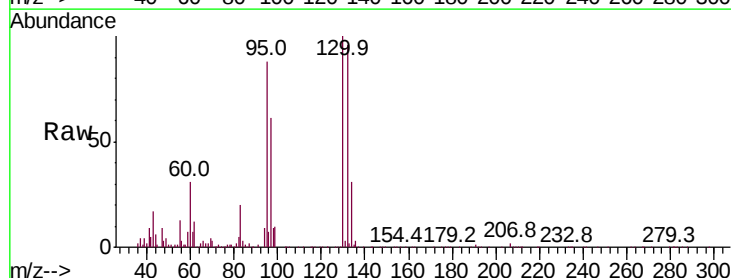
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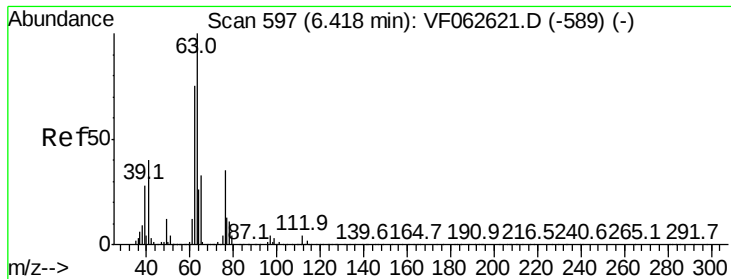
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#44
Trichloroethene
Concen: 22.232 ug/l
RT: 5.71 min Scan# 525
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	199.4





#45

1,2-Dichloropropane

Concen: 22.730 ug/l

RT: 6.43 min Scan# 598

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

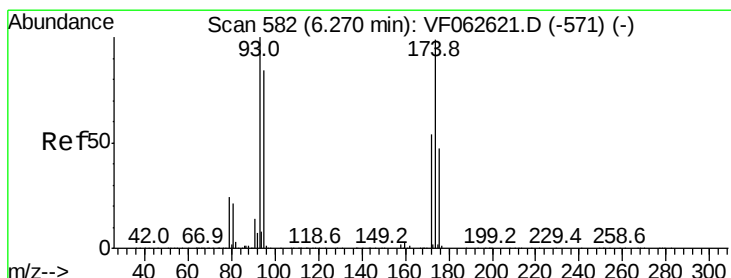
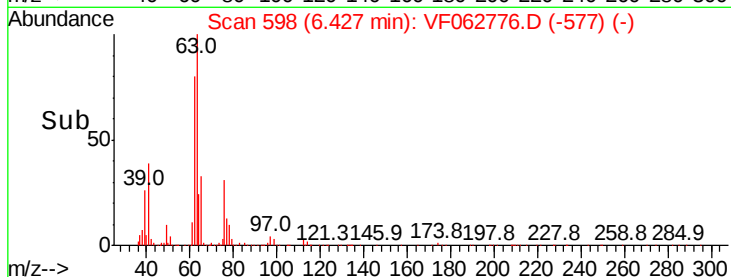
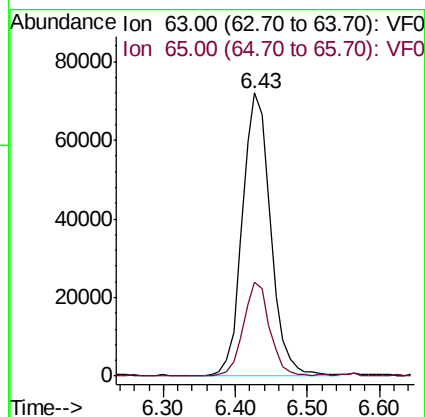
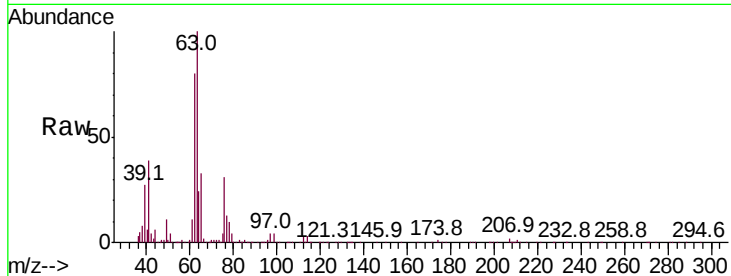
ClientSampleId :

VF0529SBS01

Tot Ion:	63	Resp:	198027
Ion Ratio	Lower	Upper	
63	100		
65	33.4	26.3	39.5

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#46

Dibromomethane

Concen: 23.620 ug/l

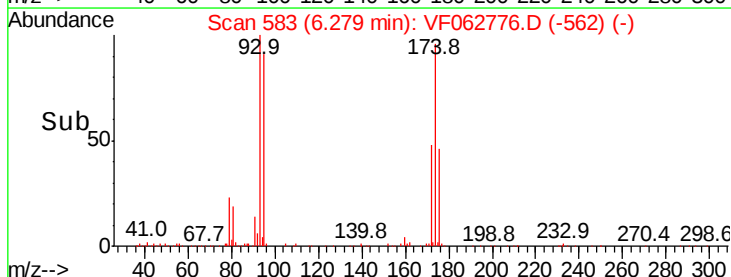
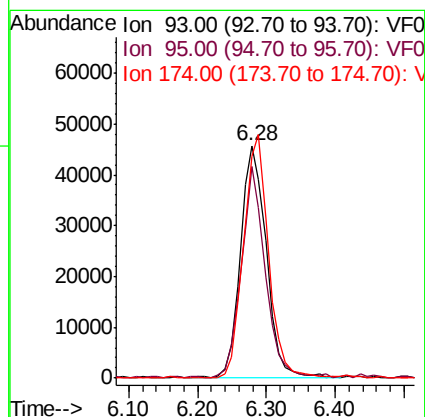
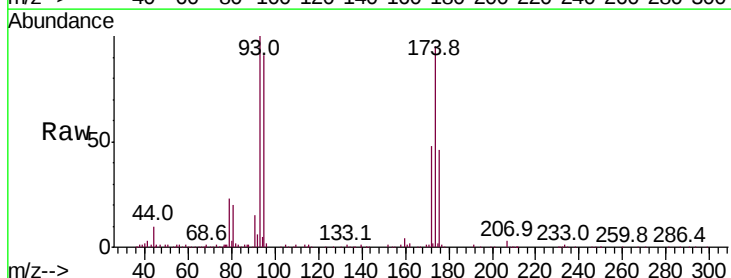
RT: 6.28 min Scan# 583

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	93	Resp:	118926
Ion Ratio	Lower	Upper	
93	100		
95	91.4	67.4	101.2
174	97.5	79.4	119.2





#47

Bromodichloromethane

Concen: 22.024 ug/l

RT: 6.57 min Scan# 613

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

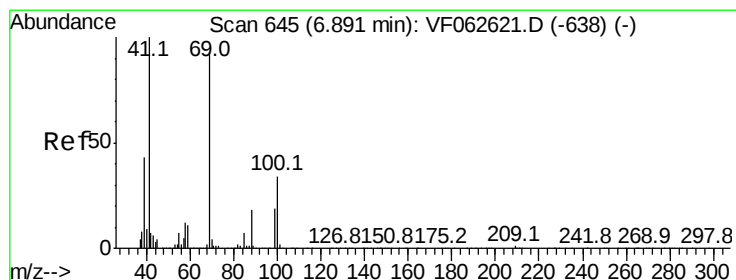
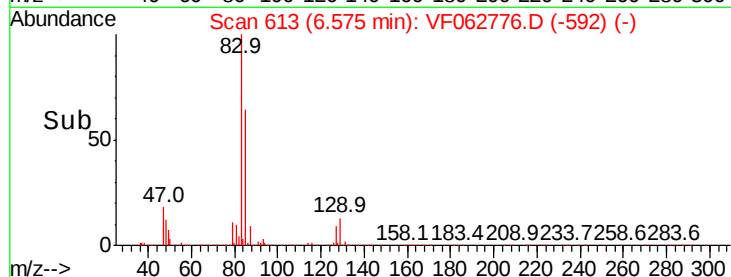
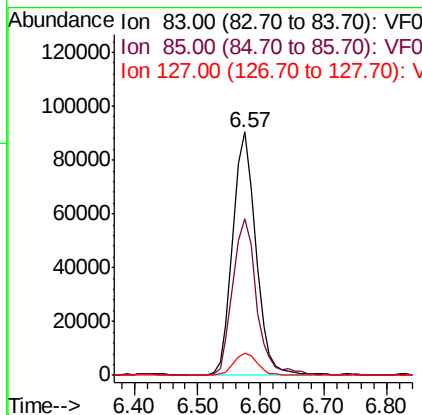
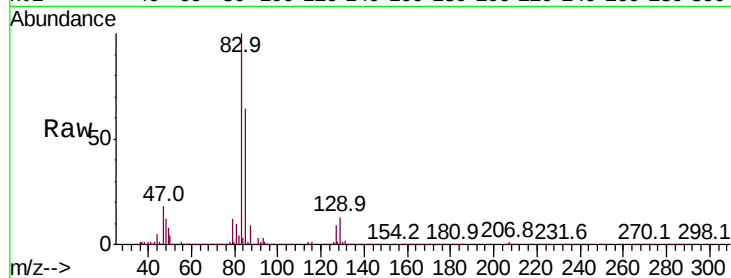
ClientSampleId :

VF0529SBS01

Tot Ion:	83	Resp:	230204
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.0	78.0
127	10.1	7.7	11.5

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#48

Methyl methacrylate

Concen: 19.851 ug/l

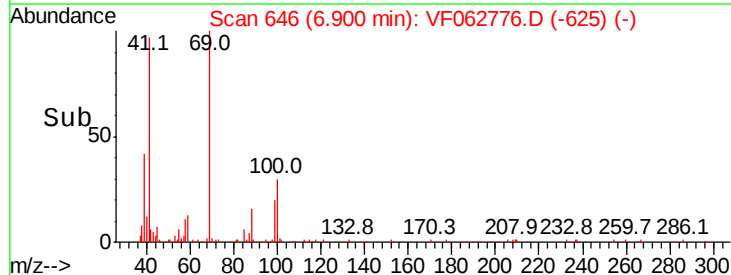
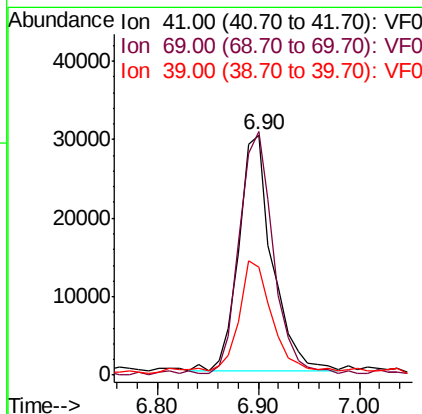
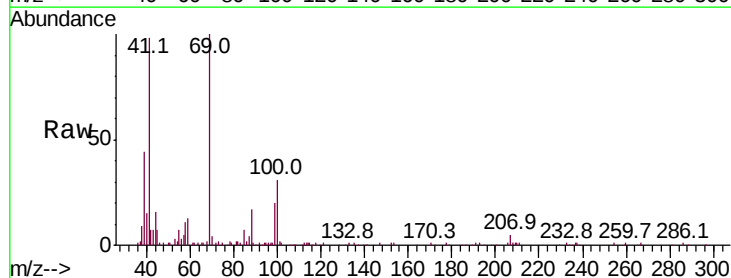
RT: 6.90 min Scan# 646

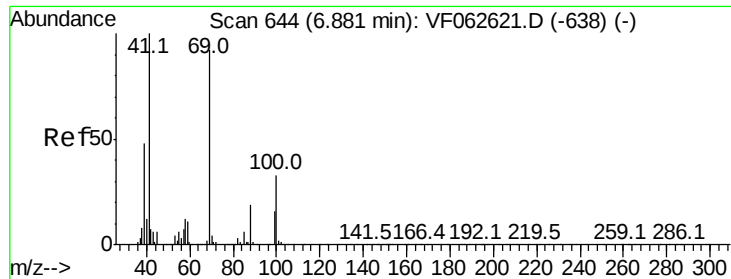
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	41	Resp:	69529
Ion Ratio	Lower	Upper	
41	100		
69	101.5	74.2	111.2
39	44.8	34.2	51.4





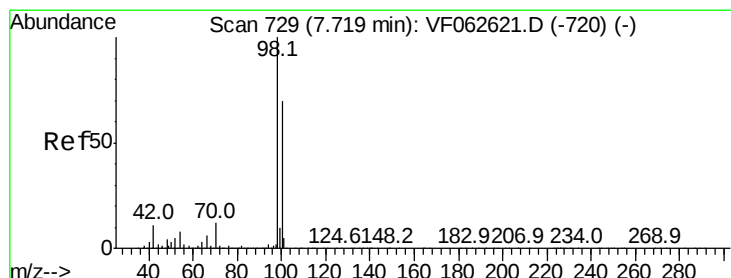
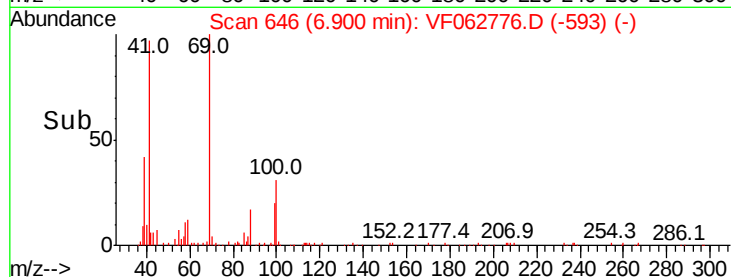
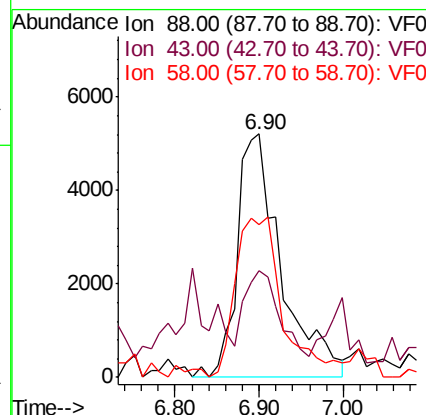
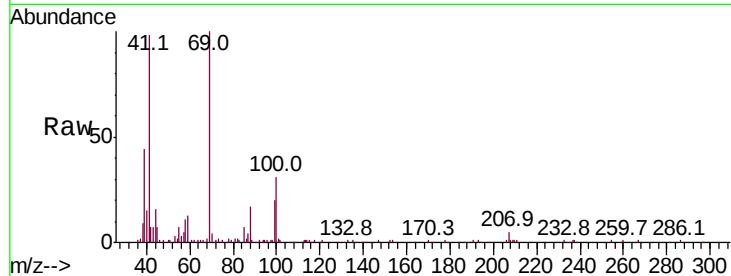
#49
1,4-Dioxane
Concen: 424.851 ug/l
RT: 6.90 min Scan# 646
Delta R.T. 0.02 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.9	30.0	45.0
58	62.9	51.1	76.7

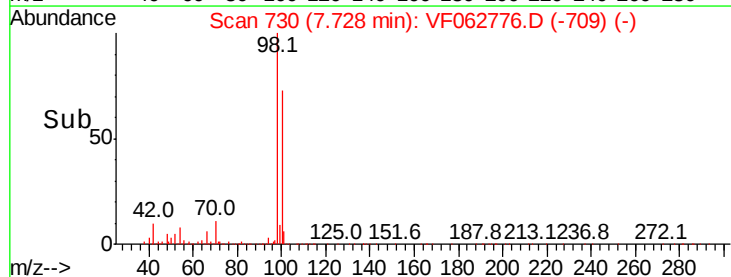
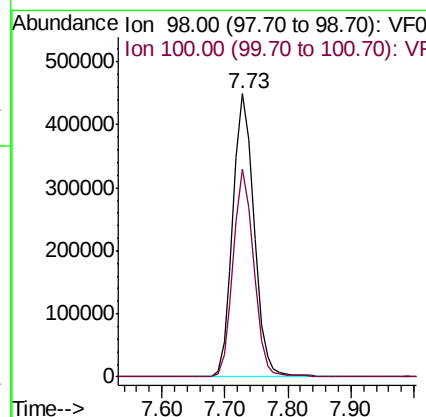
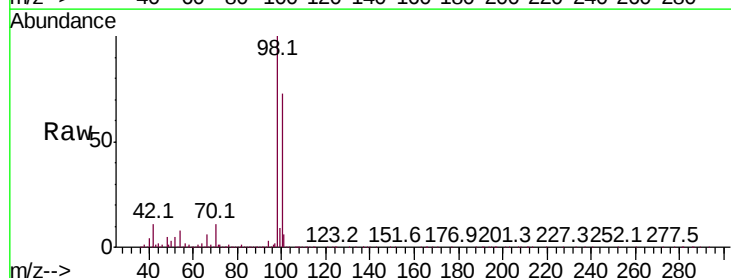
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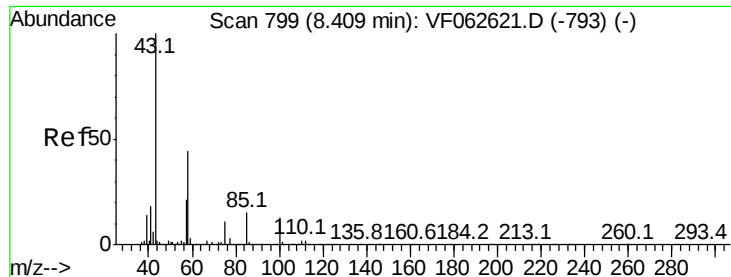
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#50
Toluene-d8
Concen: 46.644 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	73.2	56.2	84.2





#51

4-Methyl-2-Pentanone

Concen: 114.337 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 43 Resp: 523715

Ion Ratio Lower Upper

43 100

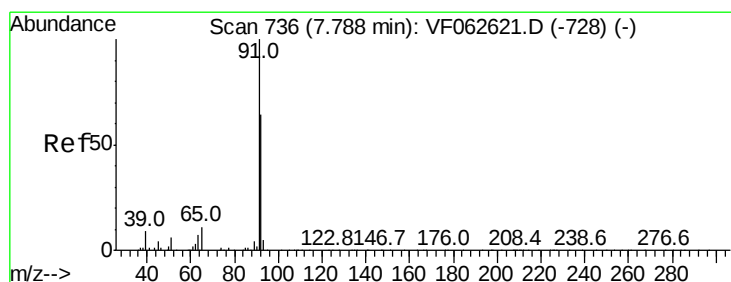
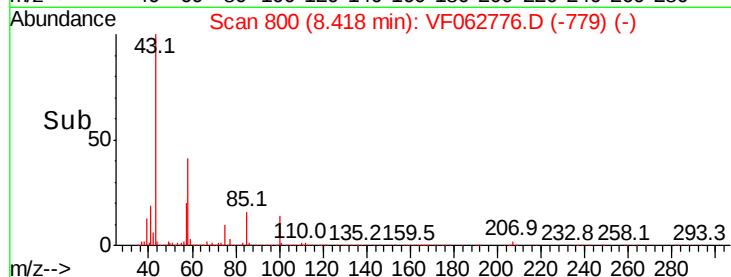
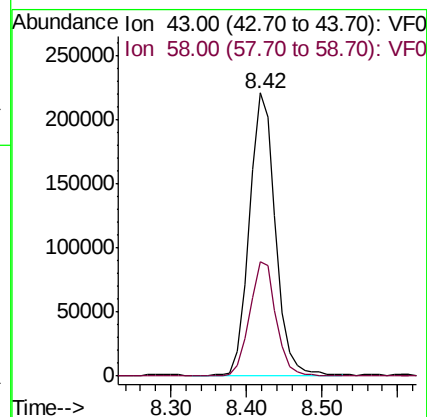
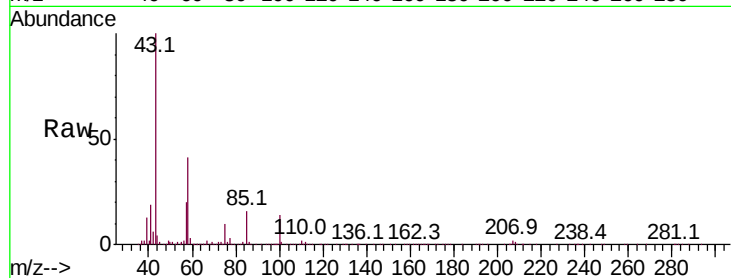
58 40.5 34.9 52.3

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#52

Toluene

Concen: 23.063 ug/l

RT: 7.80 min Scan# 737

Delta R.T. 0.01 min

Lab File: VF062776.D

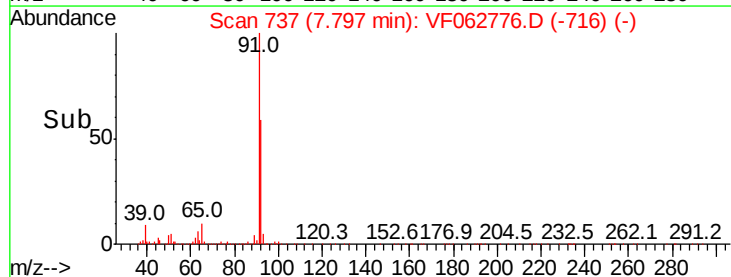
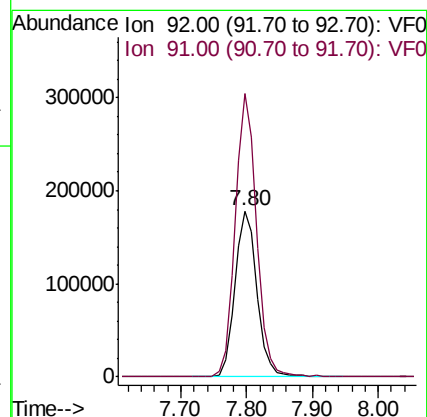
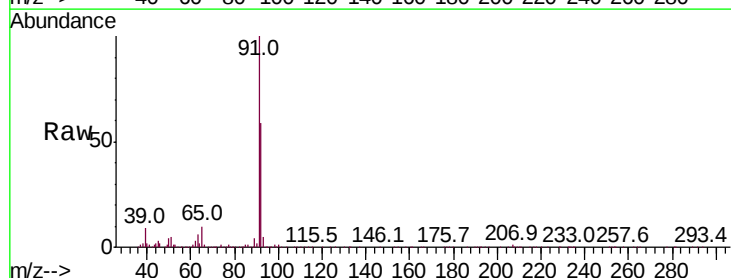
Acq: 29 May 2019 12:13

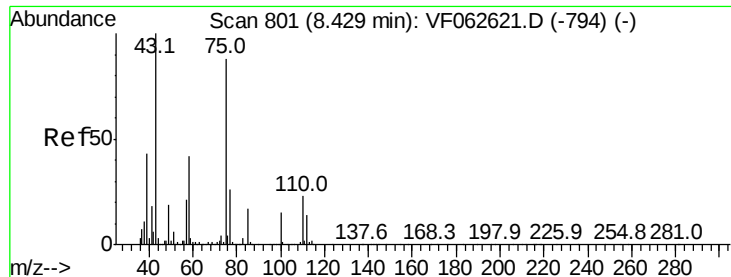
Tgt Ion: 92 Resp: 417423

Ion Ratio Lower Upper

92 100

91 170.4 125.4 188.0





#53

t-1,3-Dichloropropene

Concen: 22.708 ug/l

RT: 8.44 min Scan# 802

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion: 75 Resp: 194181

Ion Ratio Lower Upper

75 100

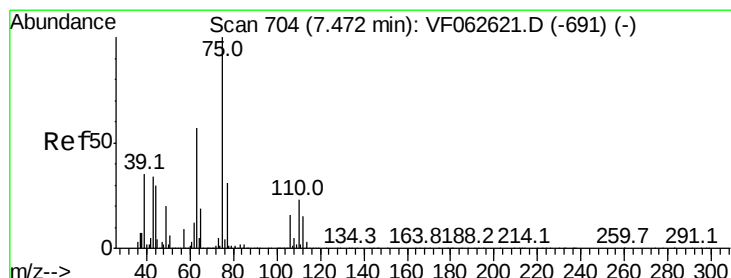
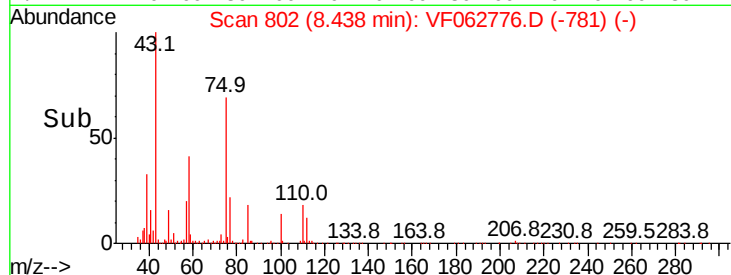
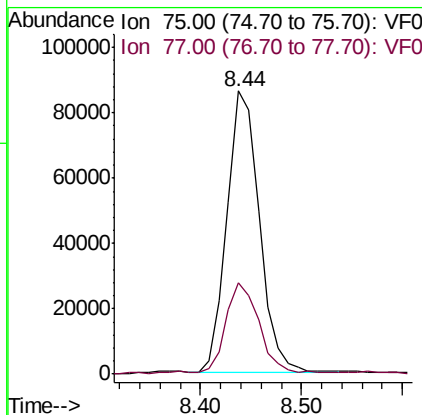
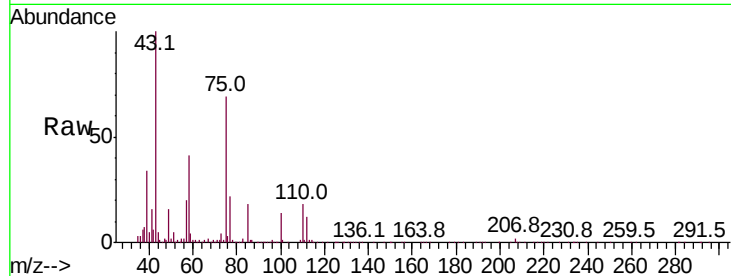
77 32.4 24.2 36.4

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#54

cis-1,3-Dichloropropene

Concen: 23.086 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

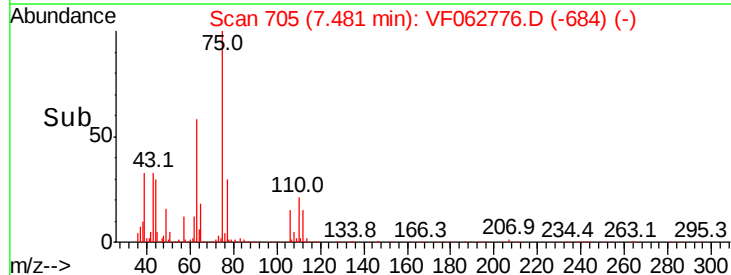
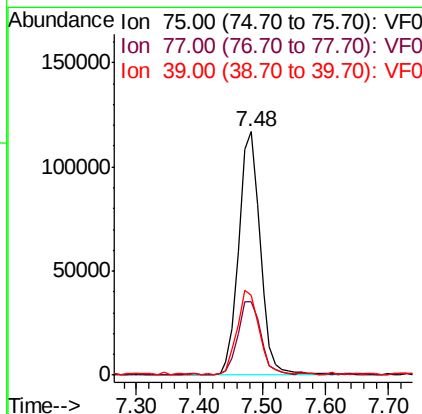
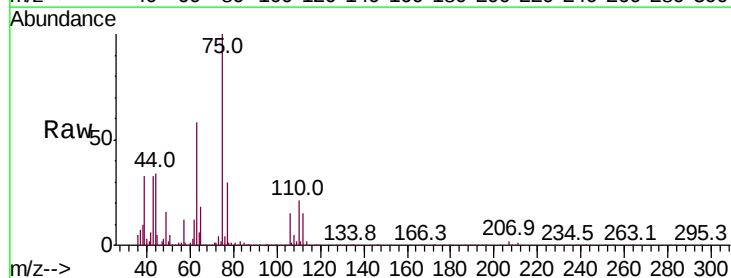
Tgt Ion: 75 Resp: 276355

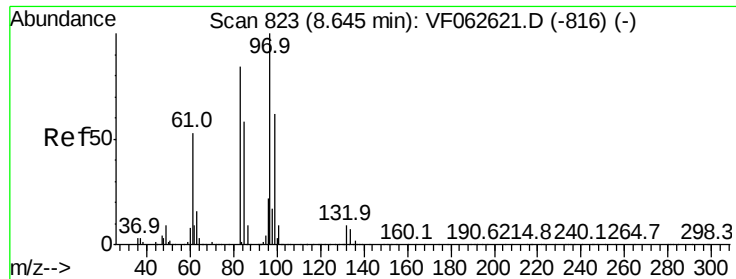
Ion Ratio Lower Upper

75 100

77 29.9 25.3 37.9

39 33.0 28.2 42.2





#55

1,1,2-Trichloroethane

Concen: 23.369 ug/l

RT: 8.65 min Scan# 824

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

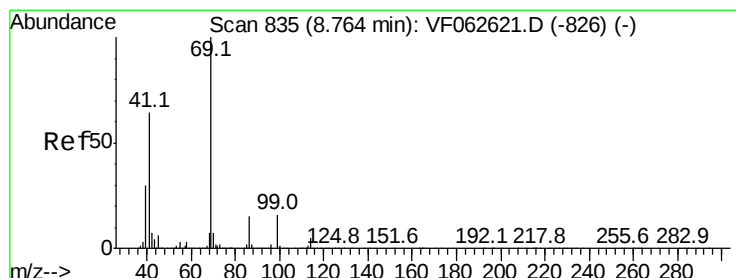
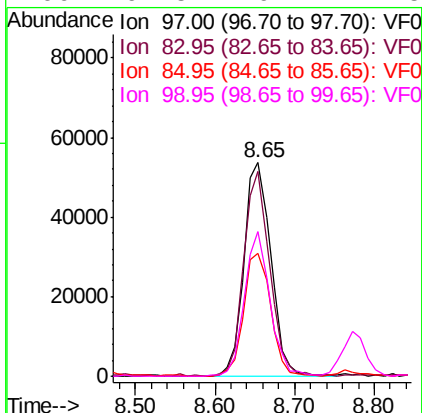
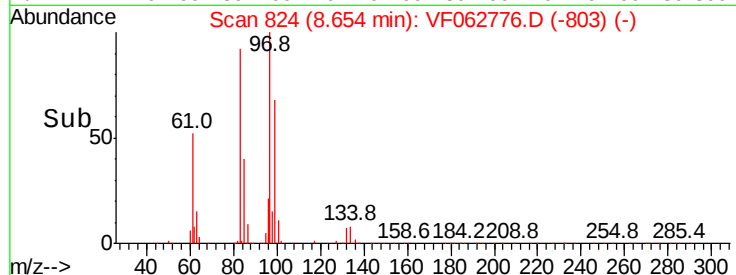
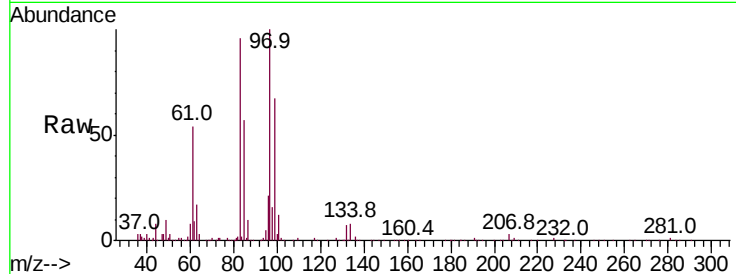
ClientSampleId :

VF0529SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		125236		
83	96.0	67.3	100.9		
85	57.4	46.6	69.8		
99	67.5	49.7	74.5		

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#56

Ethyl methacrylate

Concen: 21.965 ug/l

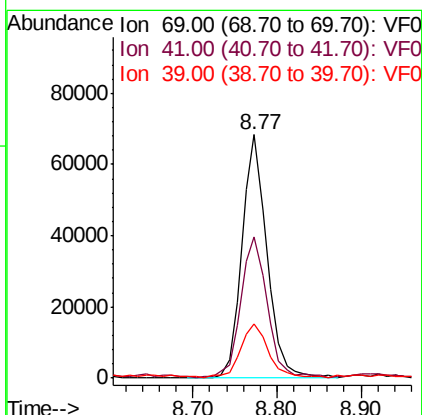
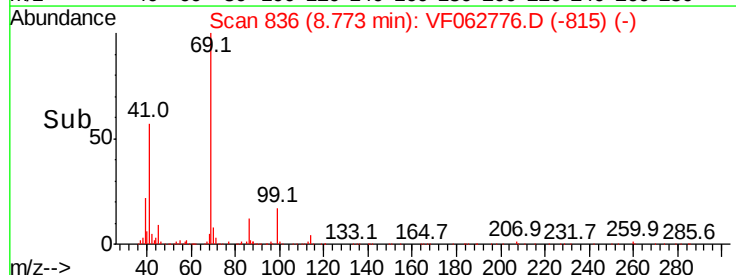
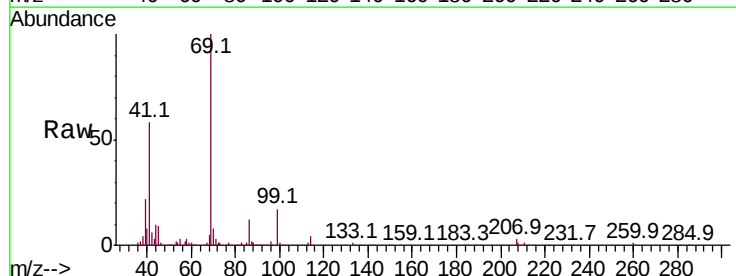
RT: 8.77 min Scan# 836

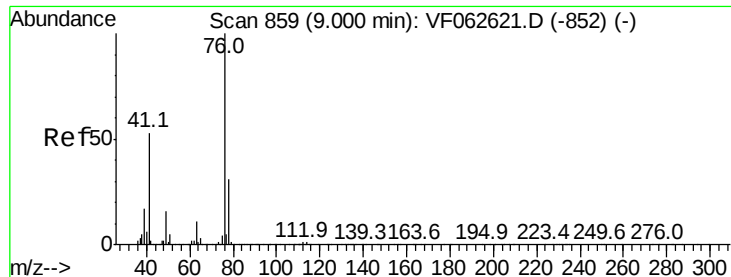
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		140238		
41	58.1	51.4	77.2		
39	22.1	23.6	35.4#		





#57

1,3-Dichloropropane

Concen: 22.847 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.02 min

Lab File: VF062776.D

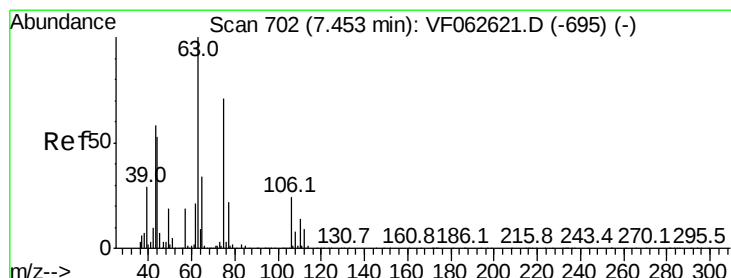
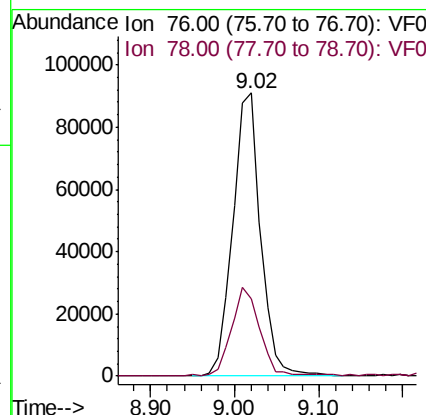
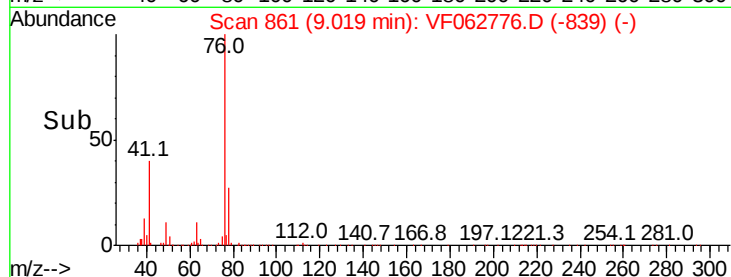
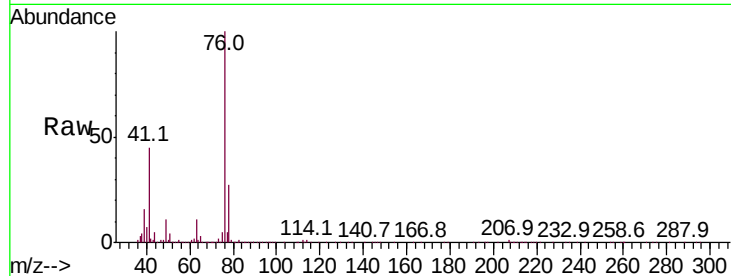
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	27.3	25.4	38.0

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#58

2-Chloroethyl Vinyl ether

Concen: 110.948 ug/l

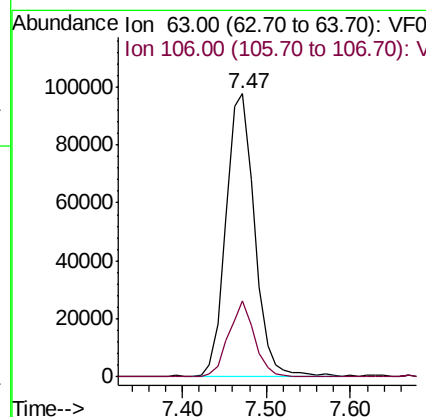
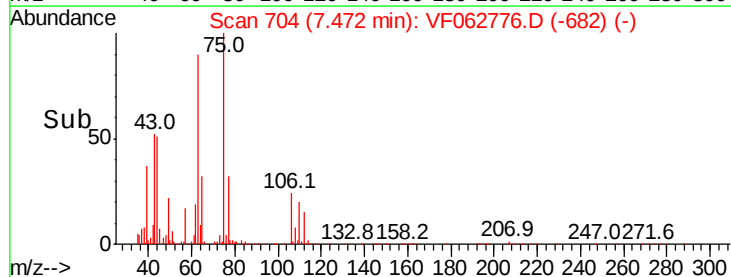
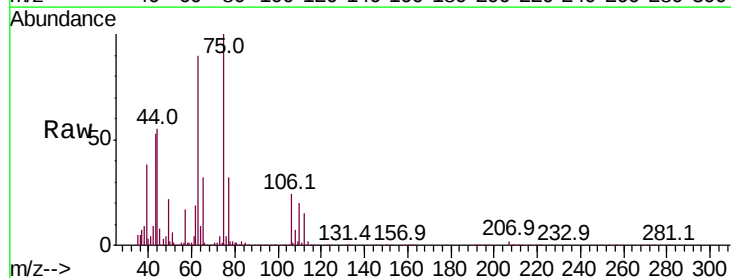
RT: 7.47 min Scan# 704

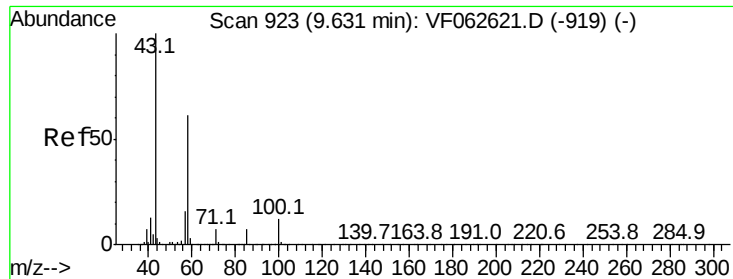
Delta R.T. 0.02 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	19.1	28.7





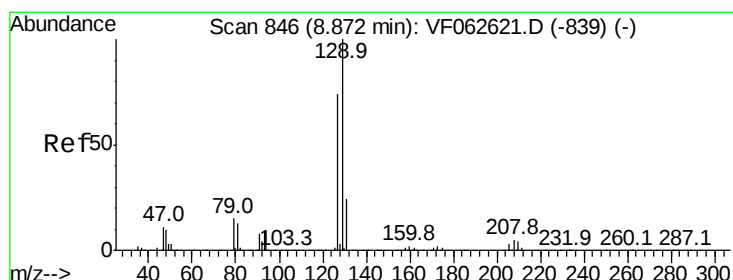
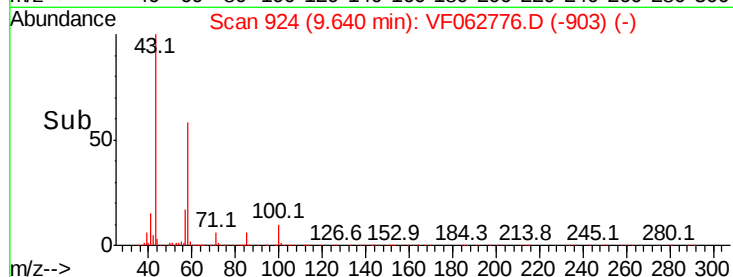
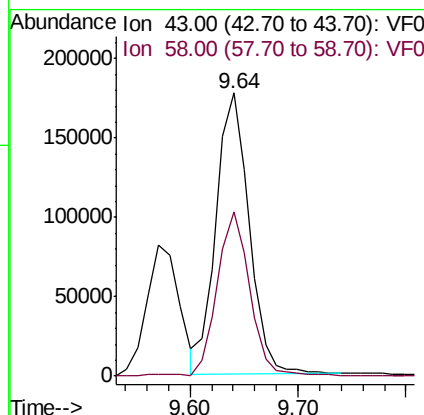
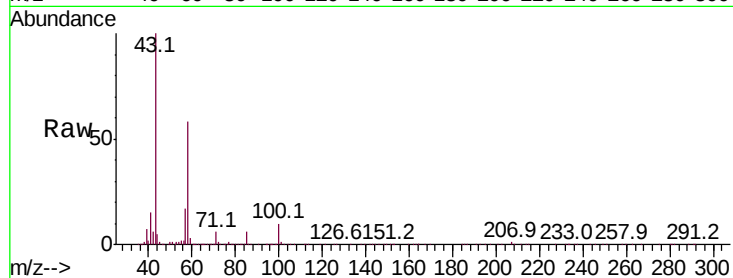
#59
2-Hexanone
Concen: 116.686 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion: 43 Resp: 376065
Ion Ratio Lower Upper
43 100
58 58.2 28.1 84.4

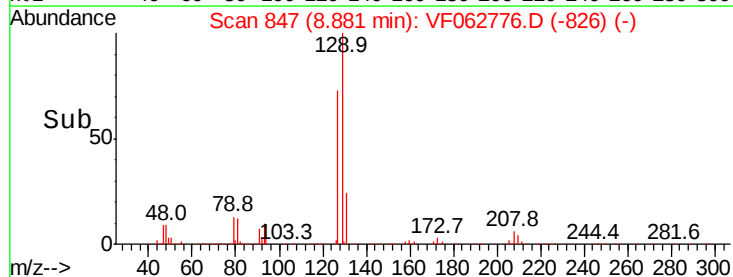
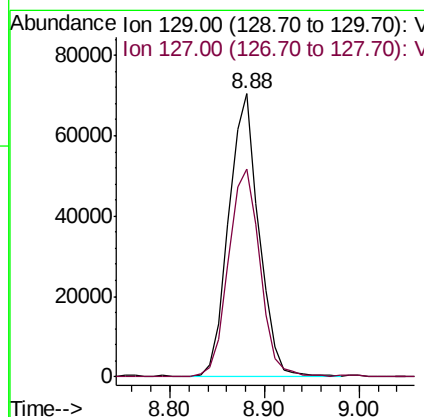
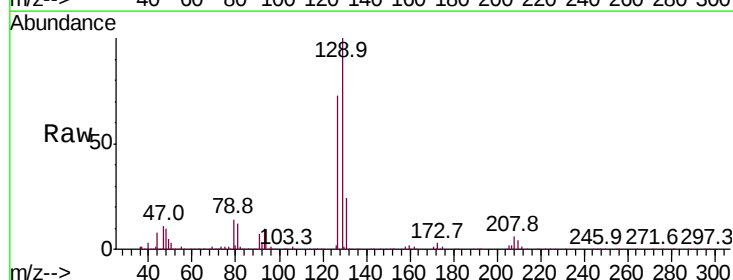
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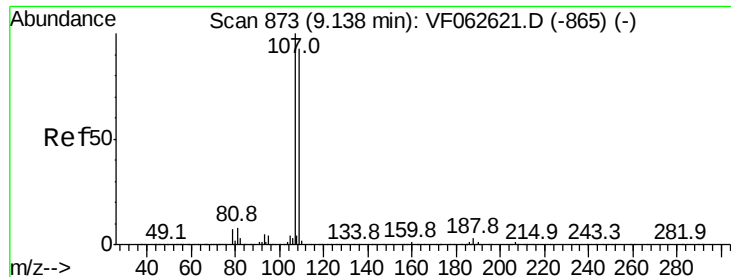
mmdadoda
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#60
Dibromochloromethane
Concen: 22.300 ug/l
RT: 8.88 min Scan# 847
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 129 Resp: 155757
Ion Ratio Lower Upper
129 100
127 73.2 37.2 111.6





#61

1,2-Dibromoethane

Concen: 23.748 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion:107 Resp: 135176

Ion Ratio Lower Upper

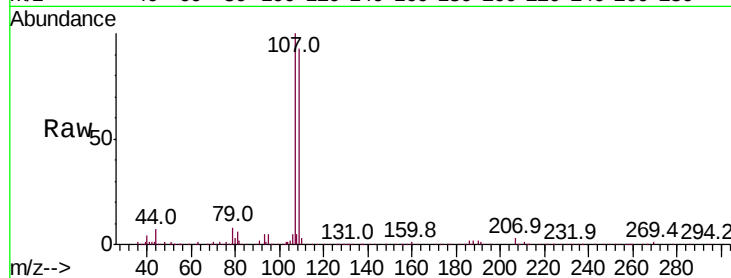
107 100

109 92.9 74.8 112.2

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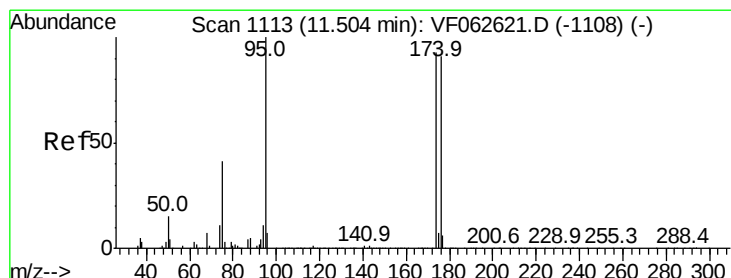
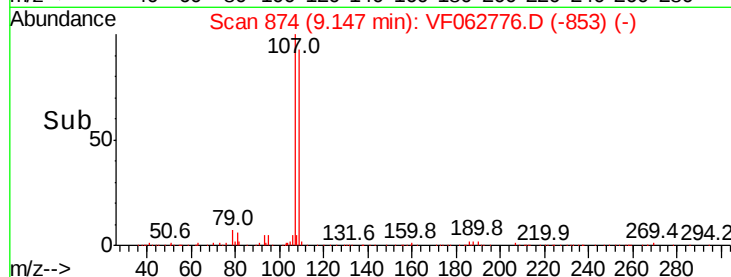
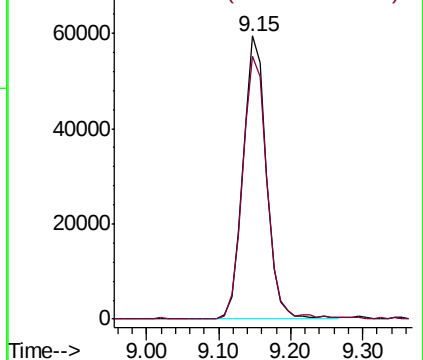
mmdadoda

5/30/2019 11:01:59 AM



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 50.347 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

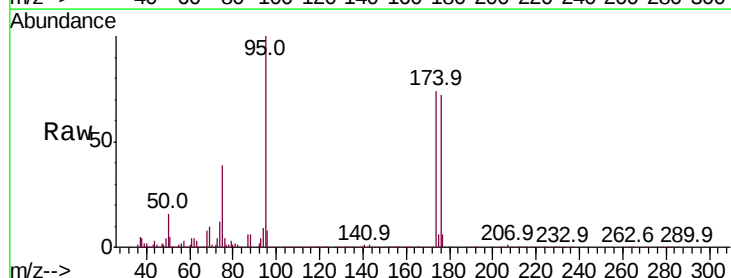
Tgt Ion: 95 Resp: 431308

Ion Ratio Lower Upper

95 100

174 74.0 0.0 185.6

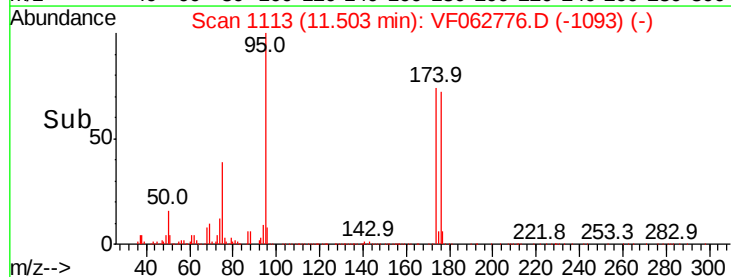
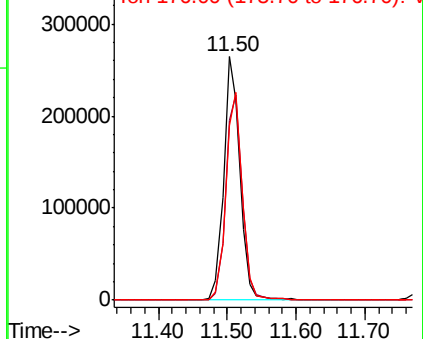
176 71.6 0.0 182.4



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





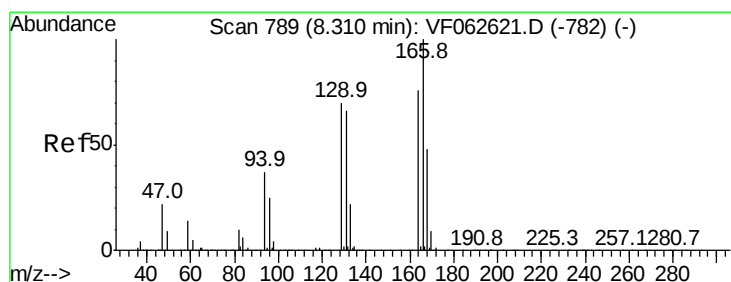
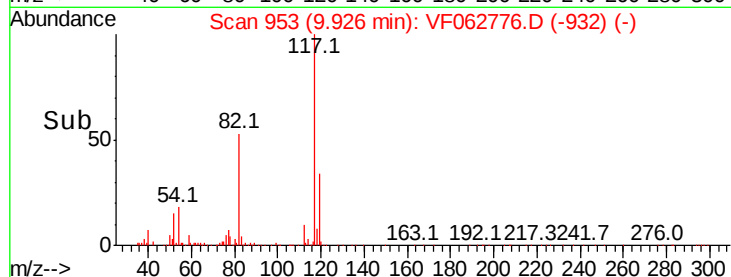
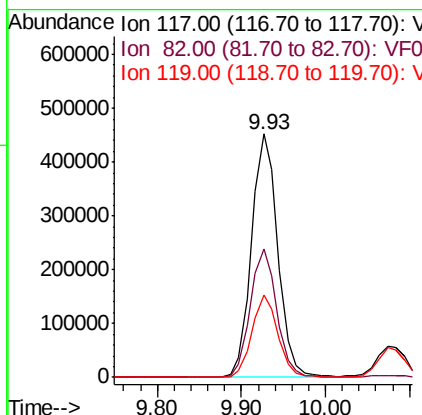
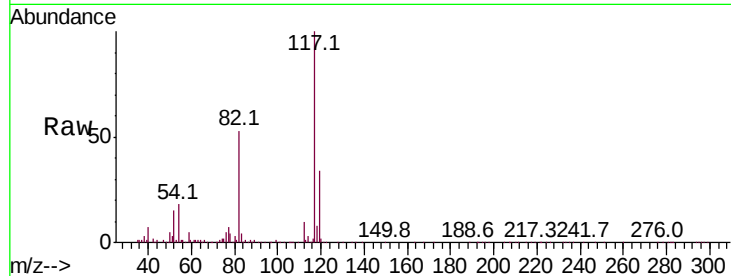
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.93 min Scan# 953
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp Lower	Upper
117	100		
82	52.6	43.3	64.9
119	34.0	27.4	41.0

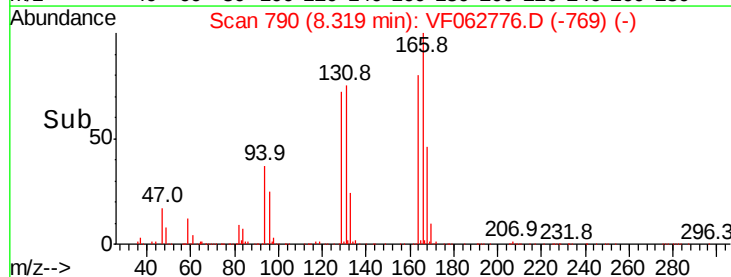
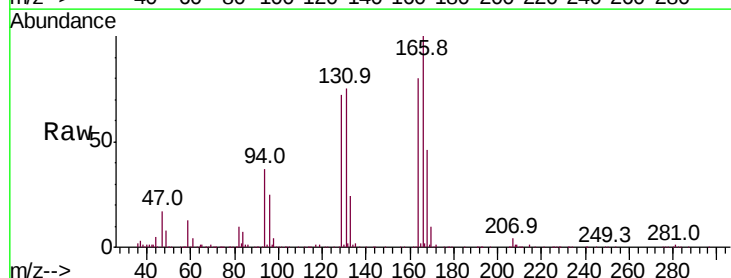
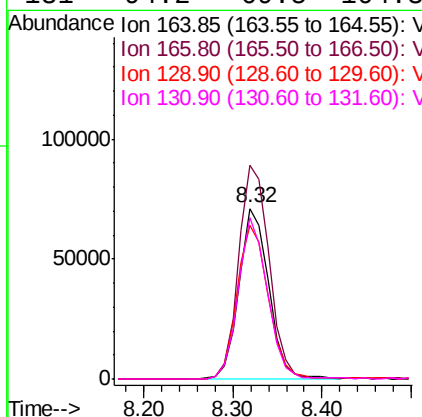
Manual Integrations
APPROVED

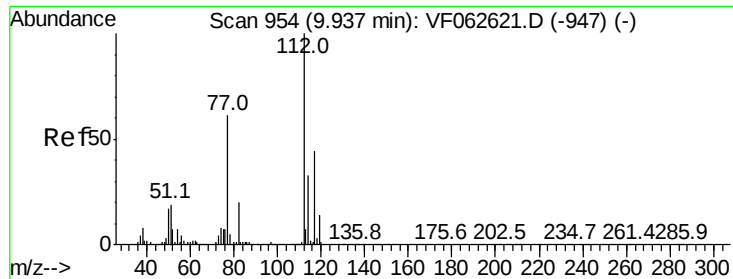
mmdadoda
5/30/2019 11:01:59 AM



#64
Tetrachloroethene
Concen: 20.815 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
166	125.2	105.5	158.3
129	90.3	73.8	110.6
131	94.2	69.5	104.3





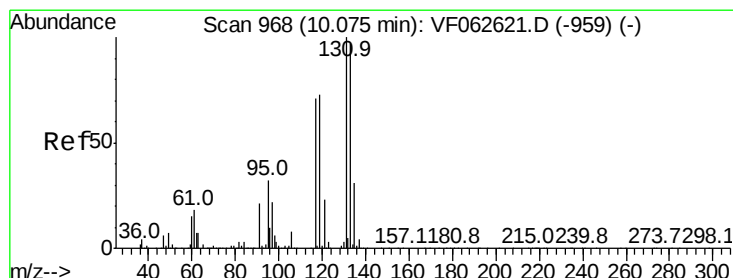
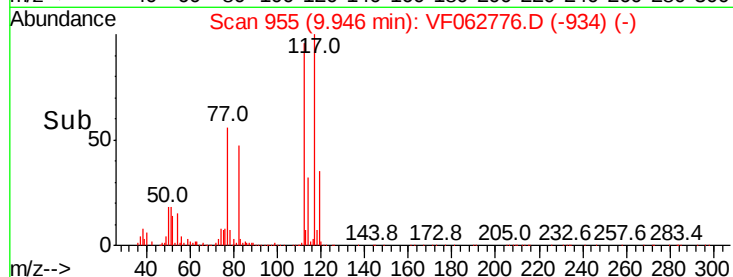
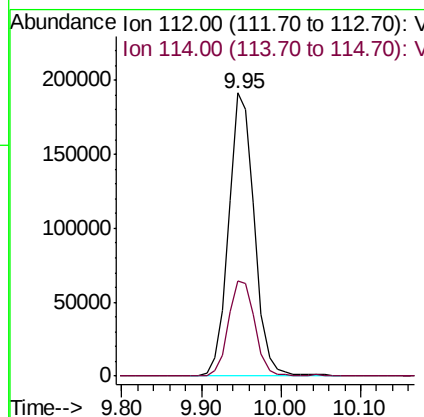
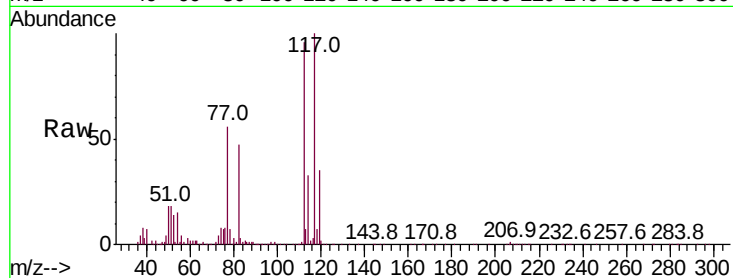
#65
Chlorobenzene
Concen: 22.287 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion:112 Resp: 435997
Ion Ratio Lower Upper
112 100
114 33.8 26.8 40.2

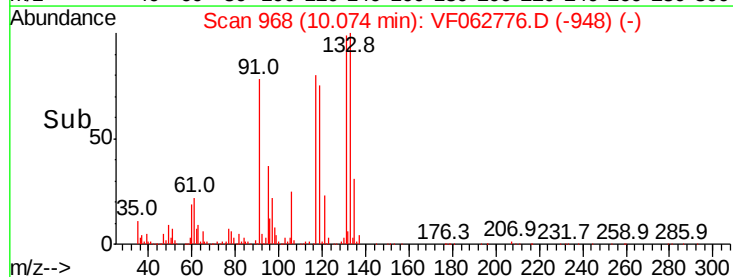
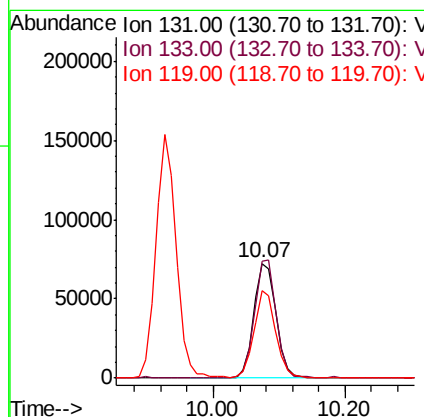
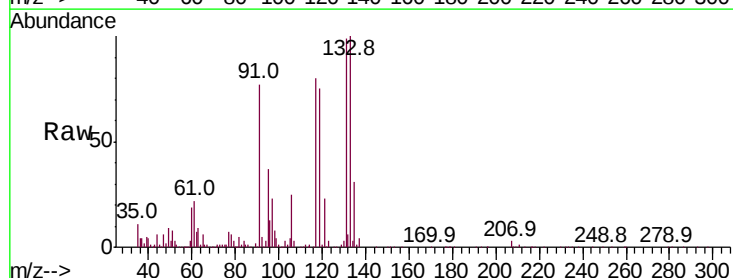
Manual Integrations
APPROVED

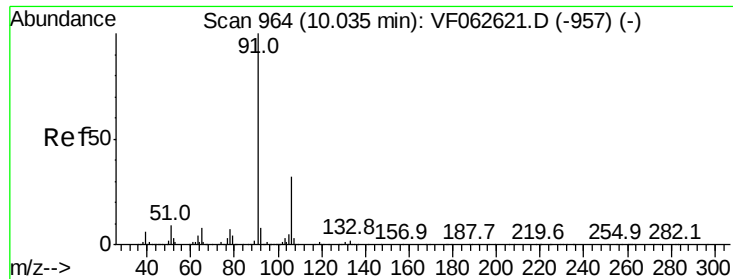
mmdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.871 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion:131 Resp: 171757
Ion Ratio Lower Upper
131 100
133 101.4 48.5 145.5
119 75.9 36.8 110.4





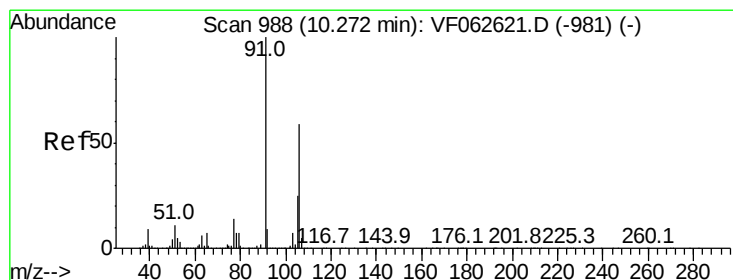
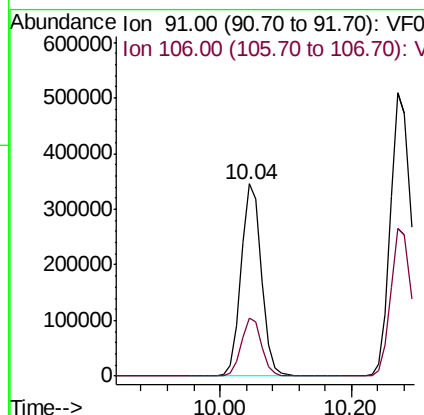
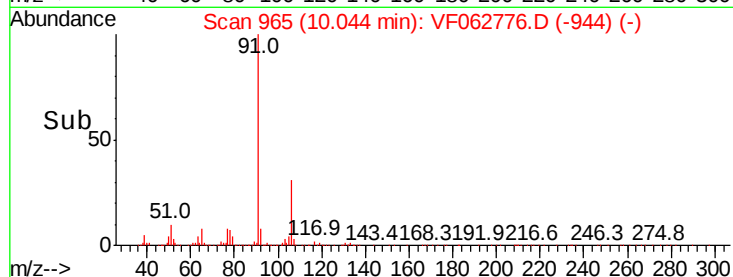
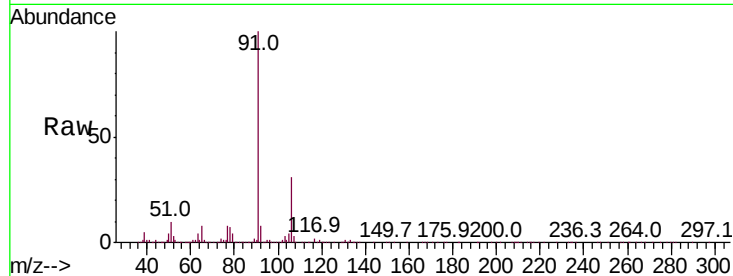
#67
Ethyl Benzene
Concen: 22.129 ug/l
RT: 10.04 min Scan# 965
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion: 91 Resp: 752037
Ion Ratio Lower Upper
91 100
106 30.6 25.8 38.8

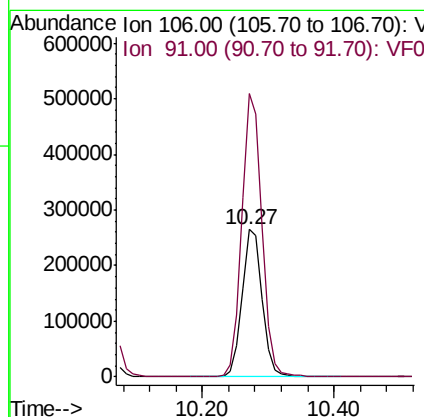
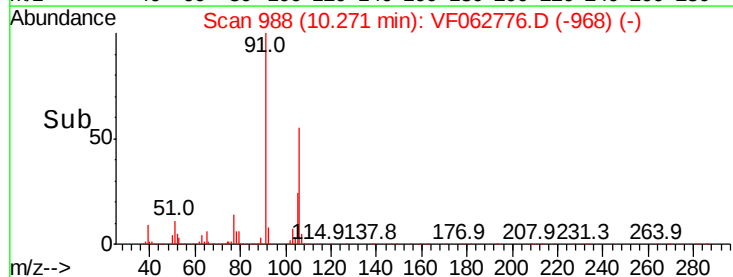
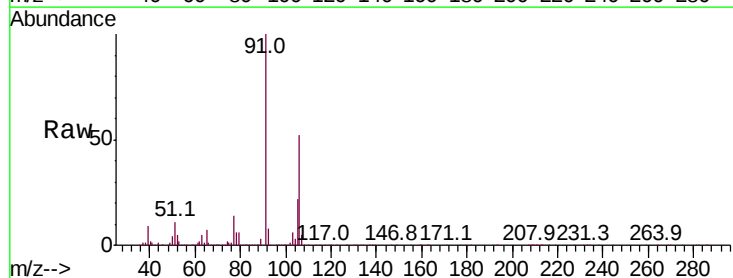
Manual Integrations
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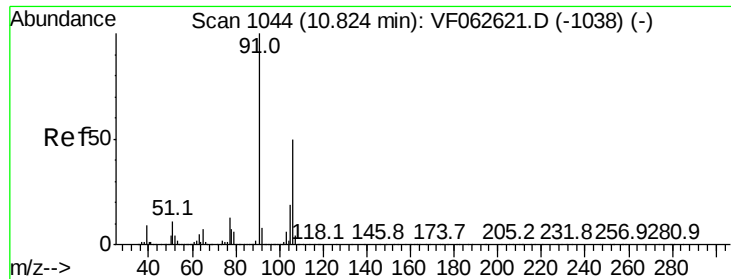
mmdadoda
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#68
m/p-Xylenes
Concen: 44.490 ug/l
RT: 10.27 min Scan# 988
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion: 106 Resp: 568262
Ion Ratio Lower Upper
106 100
91 191.9 136.9 205.3





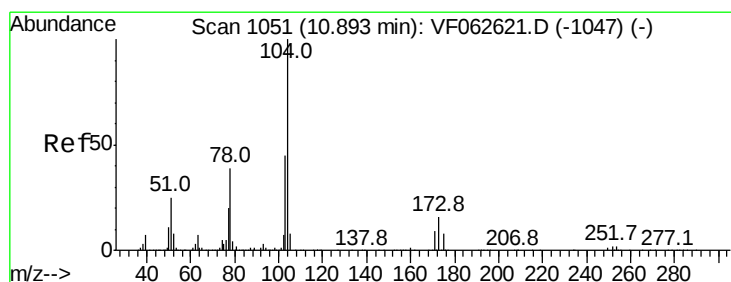
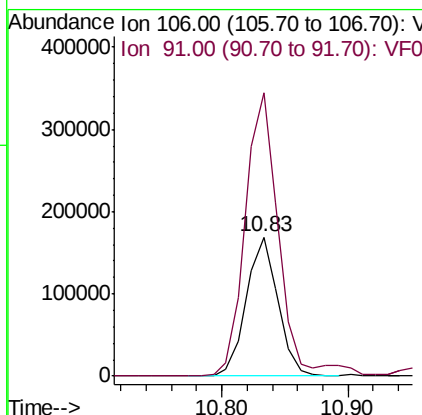
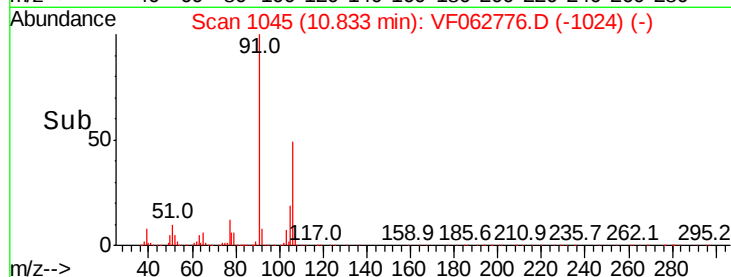
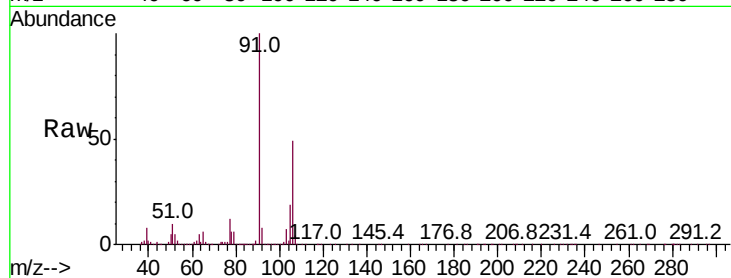
#69
o-Xylene
Concen: 22.455 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	203.7	100.2	300.5

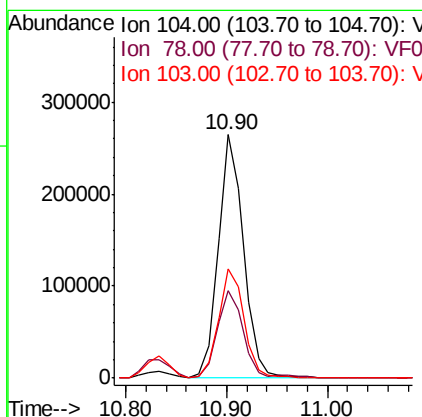
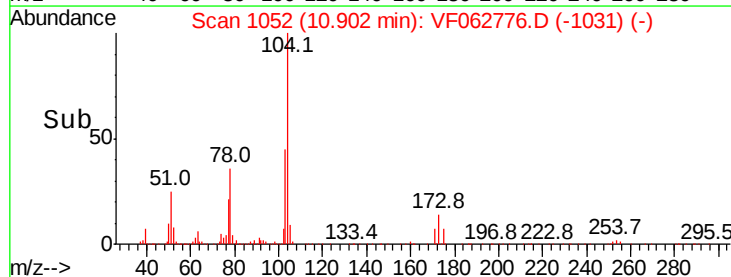
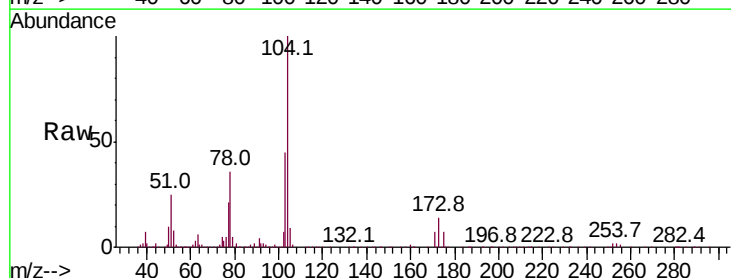
Manual Integrations
APPROVED

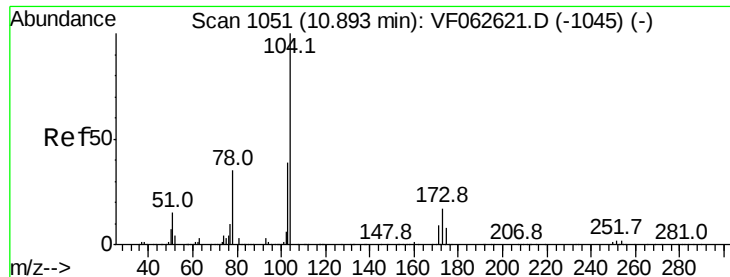
mmdadoda
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#70
Styrene
Concen: 23.026 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	35.9	31.9	47.9
103	44.8	36.1	54.1





#71

Bromoform

Concen: 23.617 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

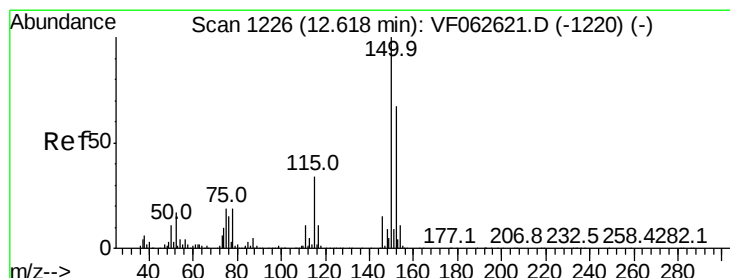
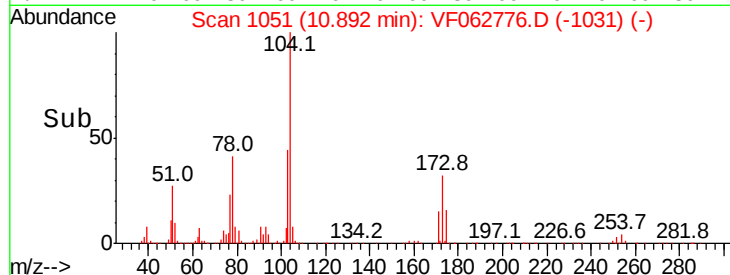
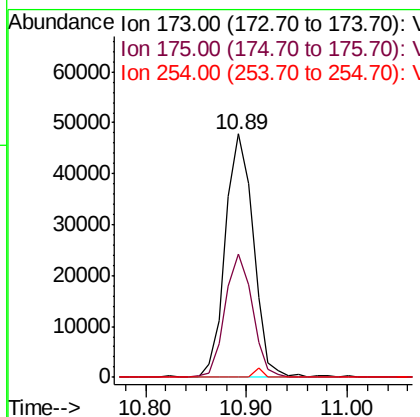
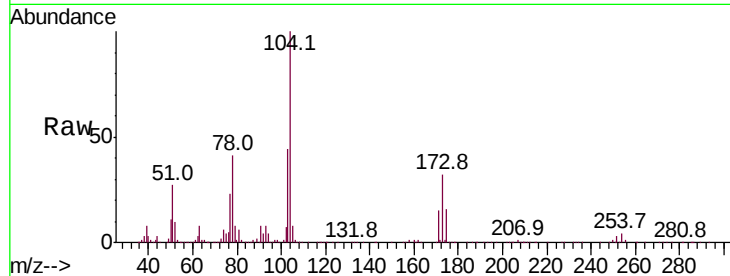
ClientSampleId :

VF0529SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.6	25.3	75.9
254	0.0	0.2	0.2

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

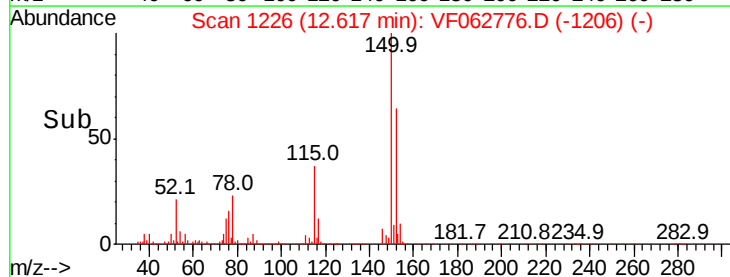
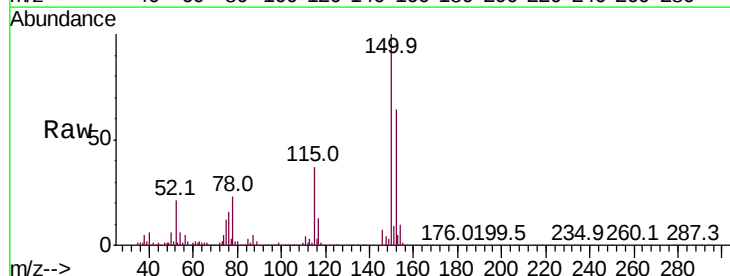
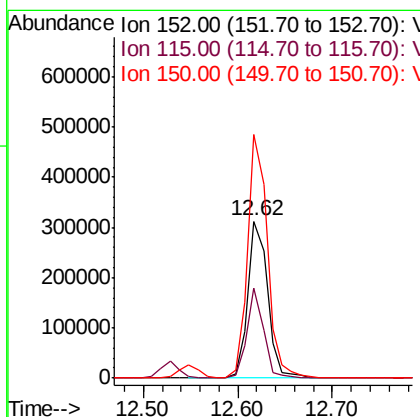
RT: 12.62 min Scan# 1226

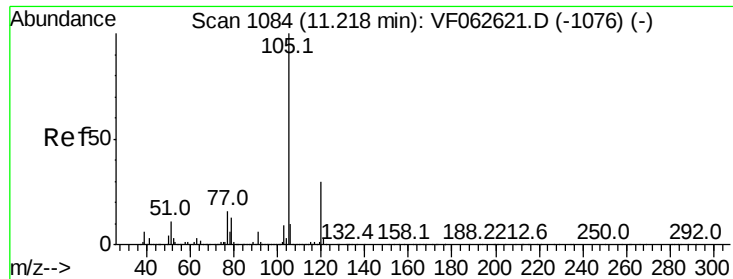
Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	25.2	75.6
150	155.4	0.0	306.2





#73

Isopropylbenzene

Concen: 25.901 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion:105 Resp: 836405

Ion Ratio Lower Upper

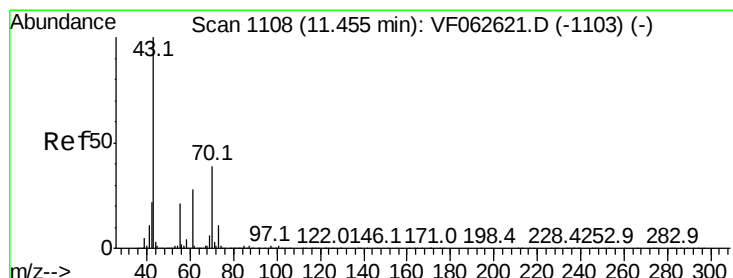
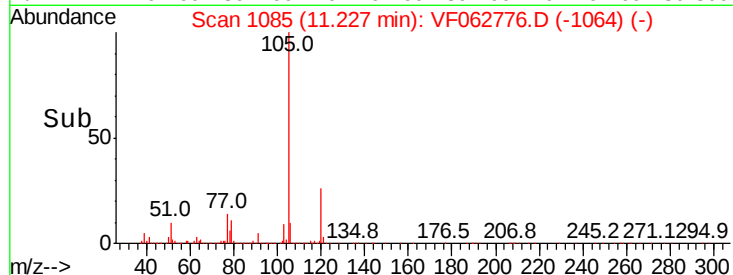
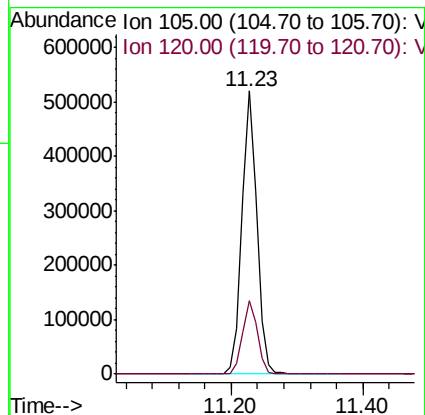
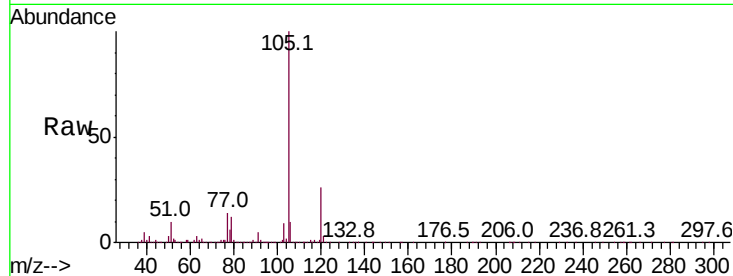
105 100

120 25.8 14.8 44.4

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#74

N-ethyl acetate

Concen: 26.444 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion: 43 Resp: 238163

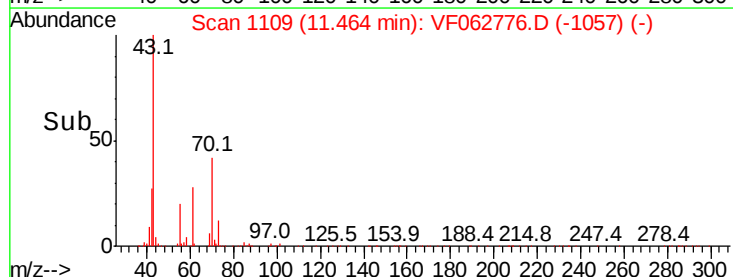
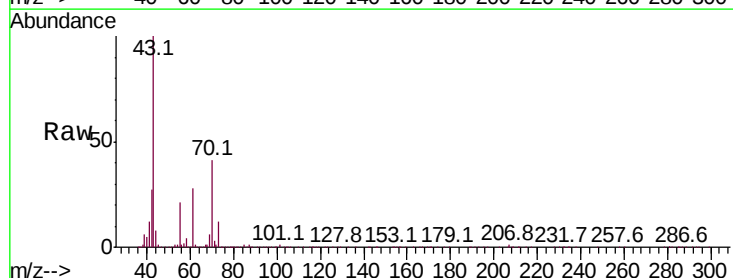
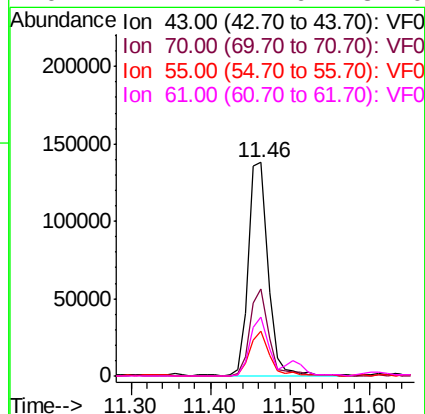
Ion Ratio Lower Upper

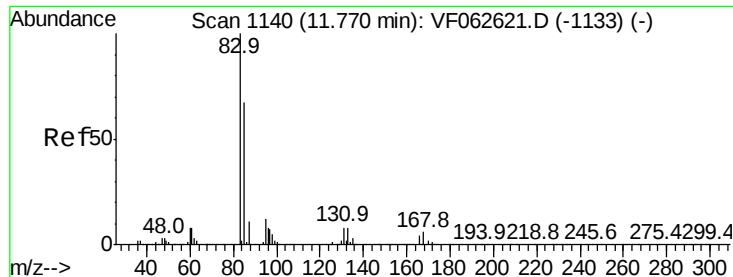
43 100

70 40.9 30.9 46.3

55 21.1 17.0 25.4

61 27.7 22.6 34.0





#75

1,1,2,2-Tetrachloroethane

Concen: 26.269 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

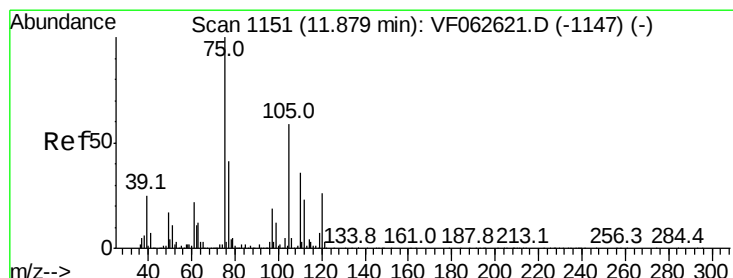
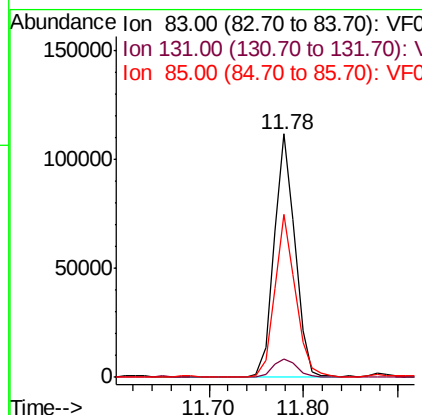
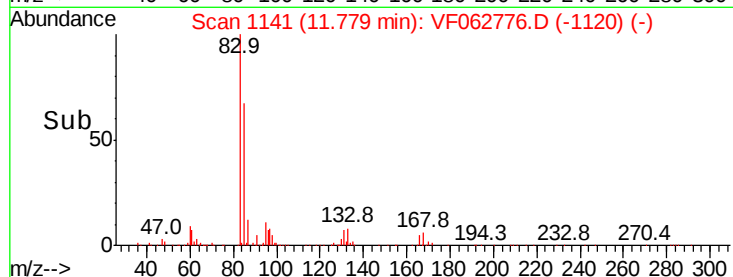
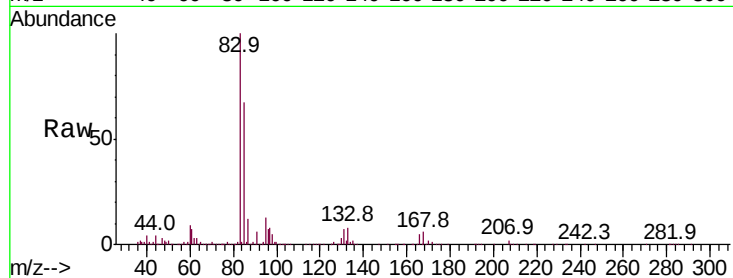
ClientSampleId :

VF0529SBS01

Tot Ion:	83	Resp:	173360
Ion Ratio	Lower	Upper	
83	100		
131	7.3	4.0	12.0
85	66.9	33.5	100.5

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#76

1,2,3-Trichloropropane

Concen: 26.178 ug/l

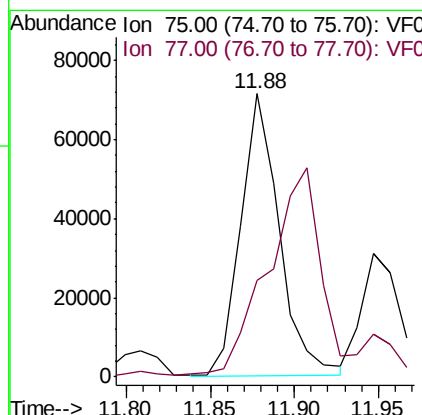
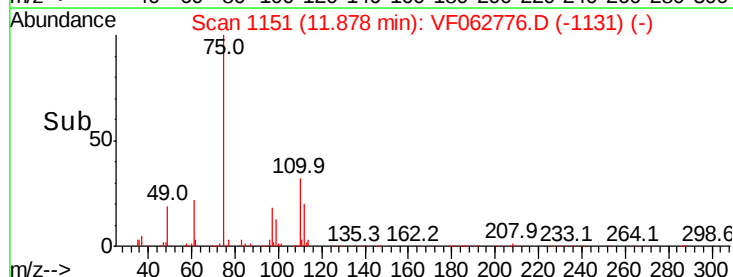
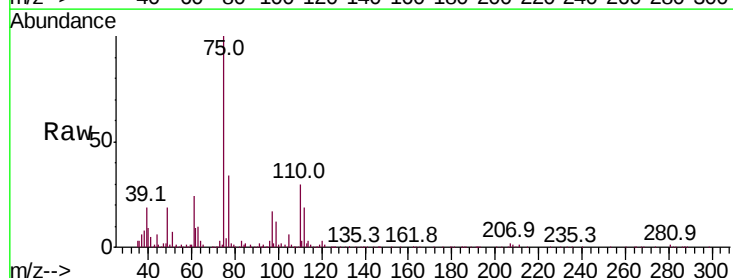
RT: 11.88 min Scan# 1151

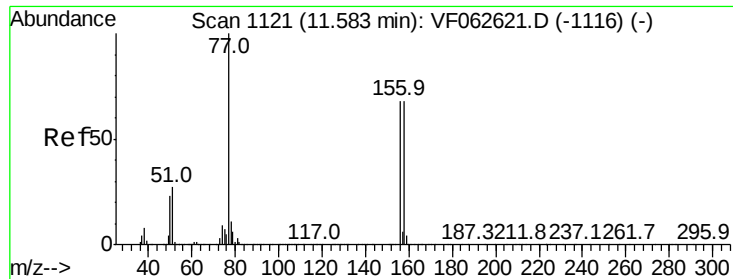
Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	75	Resp:	113513
Ion Ratio	Lower	Upper	
75	100		
77	34.0	20.6	61.8





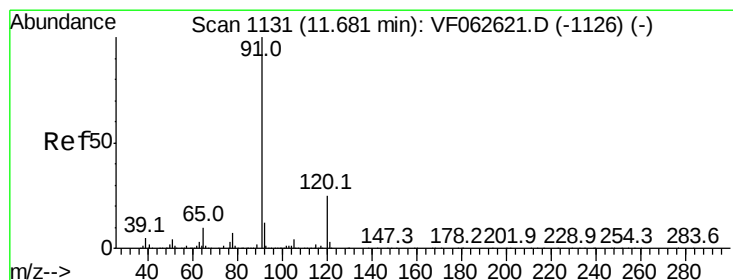
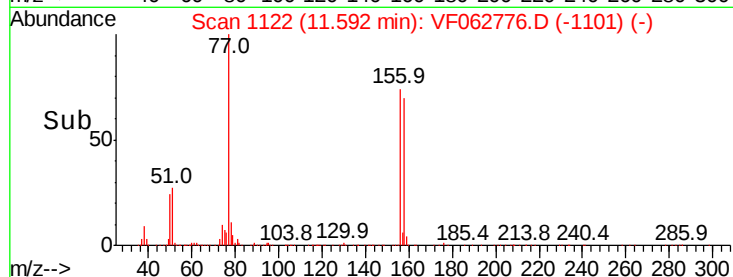
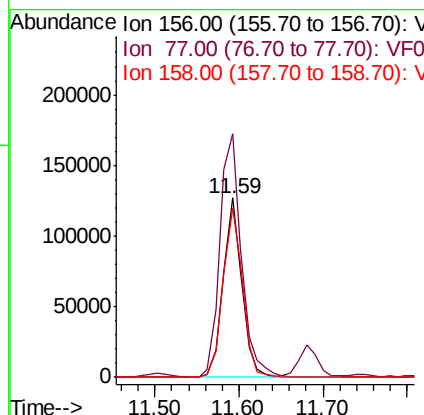
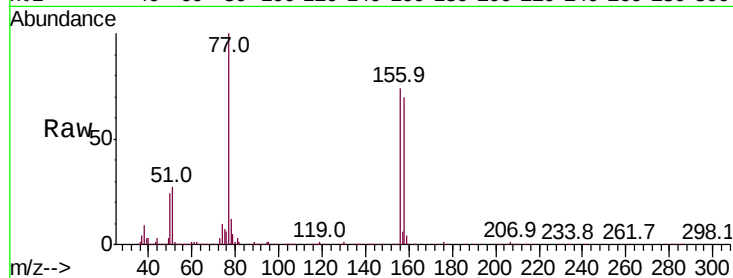
#77
Bromobenzene
Concen: 24.347 ug/l
RT: 11.59 min Scan# 1122
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
156	100	195430		
77	135.9	73.6	220.8	
158	94.7	49.6	148.8	

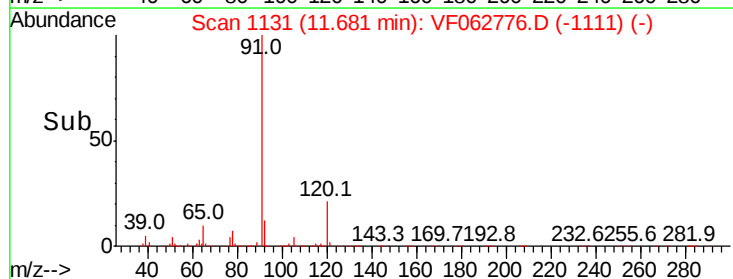
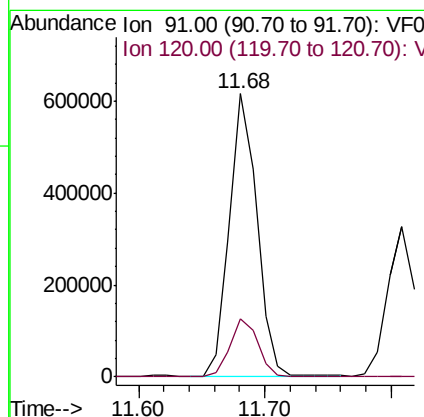
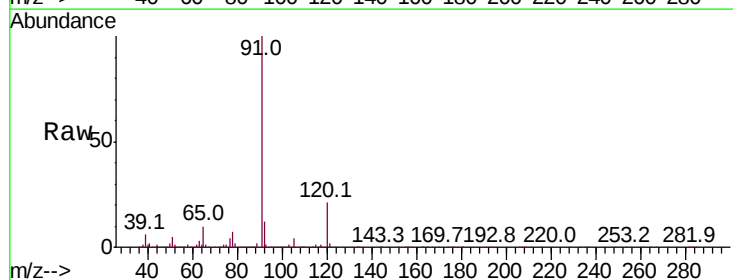
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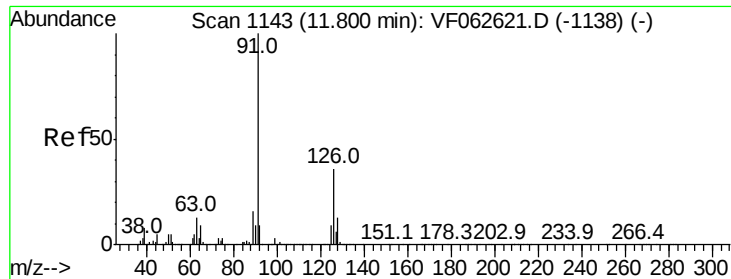
mmdadoda
5/30/2019 11:01:59 AM



#78
n-propylbenzene
Concen: 24.386 ug/l
RT: 11.68 min Scan# 1131
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	931961		
120	20.7	12.7	38.1	





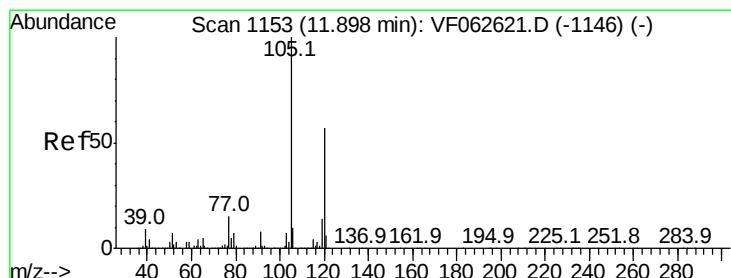
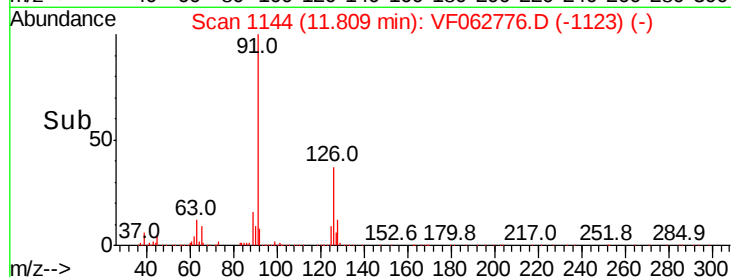
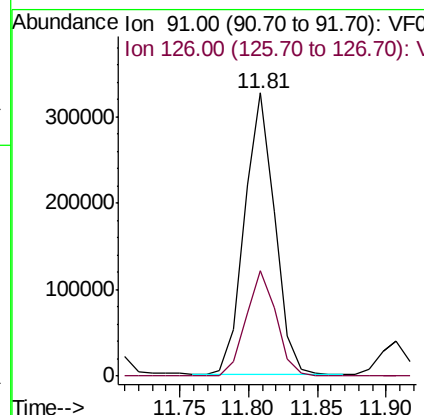
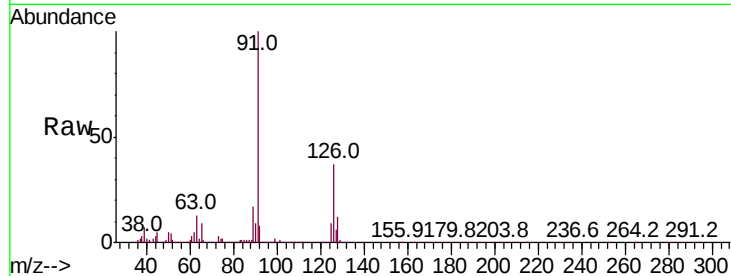
#79
 2-Chlorotoluene
 Concen: 23.236 ug/l
 RT: 11.81 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	37.3	18.1	54.4

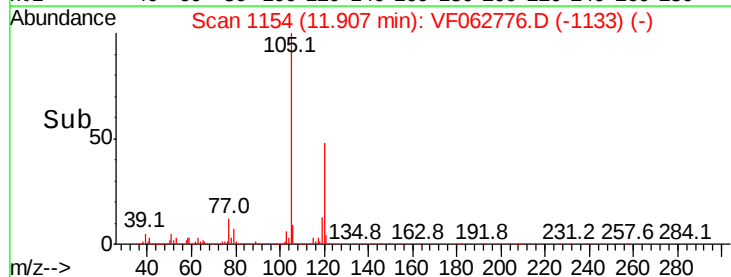
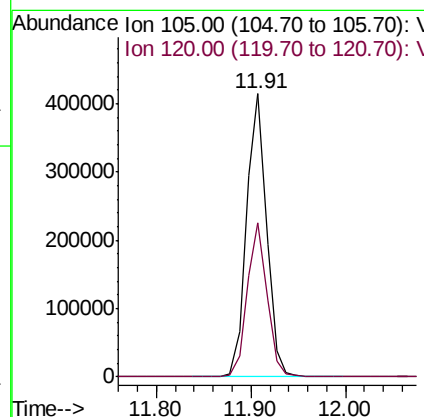
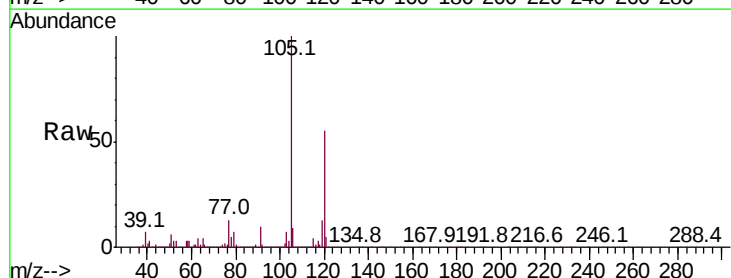
Manual Integrations
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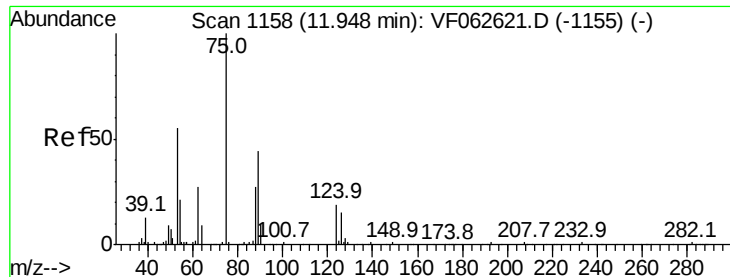
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#80
 1,3,5-Trimethylbenzene
 Concen: 23.455 ug/l
 RT: 11.91 min Scan# 1154
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	54.6	28.7	86.3





#81

trans-1,4-Dichloro-2-butene

Concen: 24.546 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

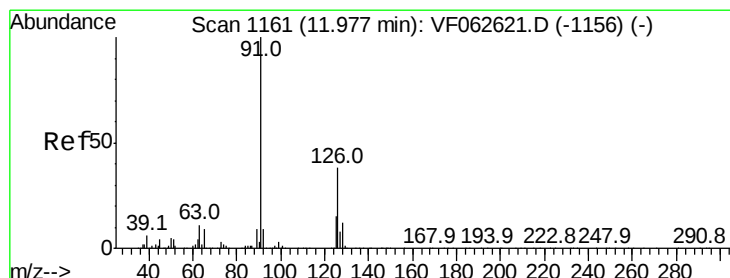
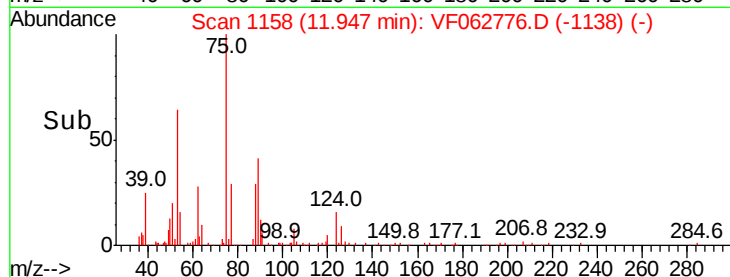
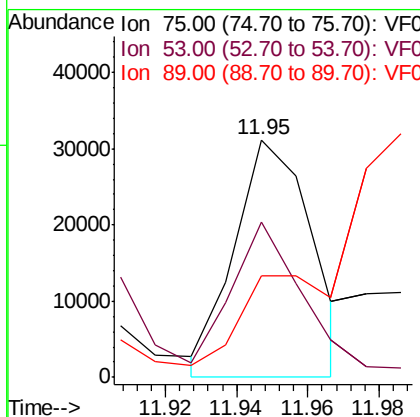
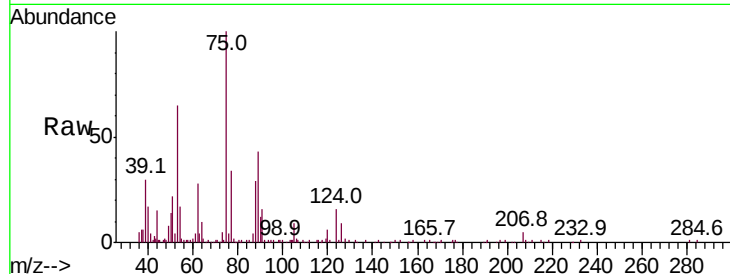
ClientSampleId :

VF0529SBS01

Tot Ion:	75	Resp:	47312
Ion Ratio	Lower	Upper	
75	100		
53	65.4	46.9	70.3
89	42.6	36.4	54.6

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#82

4-Chlorotoluene

Concen: 23.994 ug/l

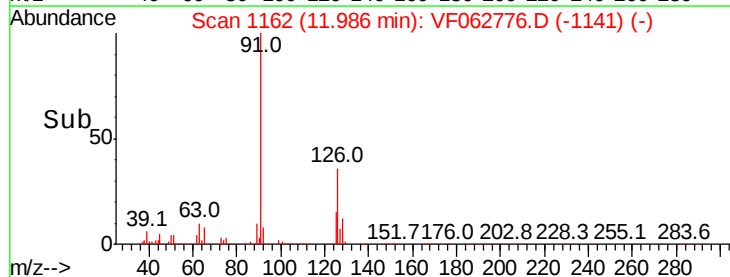
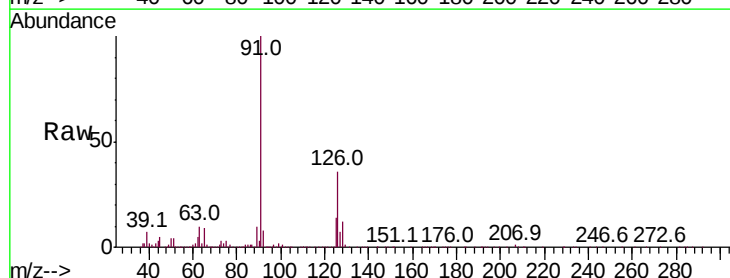
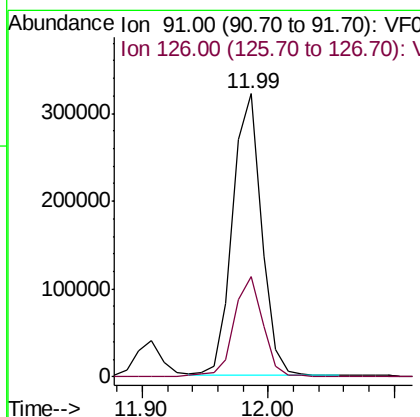
RT: 11.99 min Scan# 1162

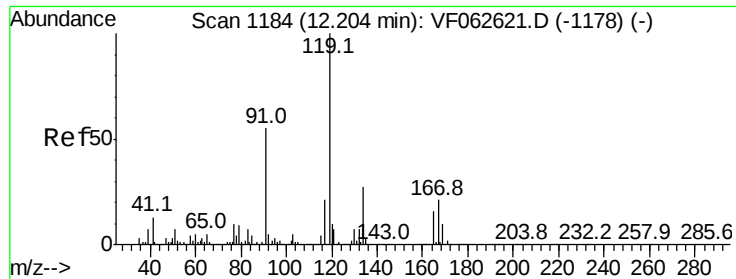
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	91	Resp:	509615
Ion Ratio	Lower	Upper	
91	100		
126	35.5	19.1	57.1





#83

tert-Butylbenzene

Concen: 23.348 ug/l

RT: 12.20 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

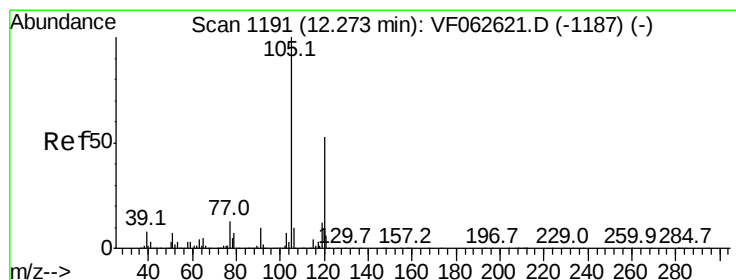
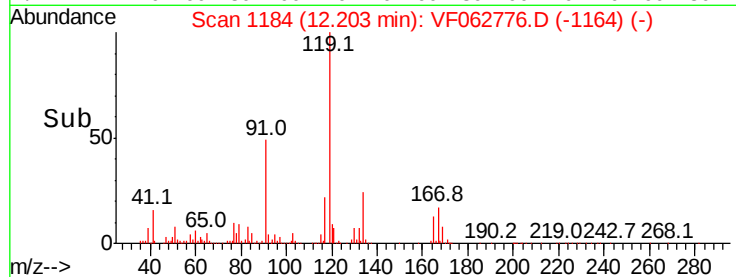
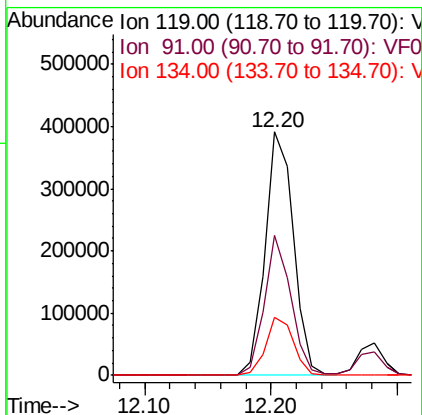
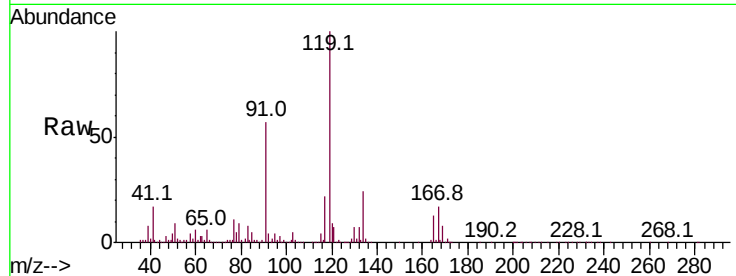
ClientSampleID :

VF0529SBS01

Tot Ion:	119	Resp:	613362
Ion Ratio	Lower	Upper	
119	100		
91	57.3	27.3	81.9
134	23.6	13.6	40.7

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#84

1,2,4-Trimethylbenzene

Concen: 23.930 ug/l

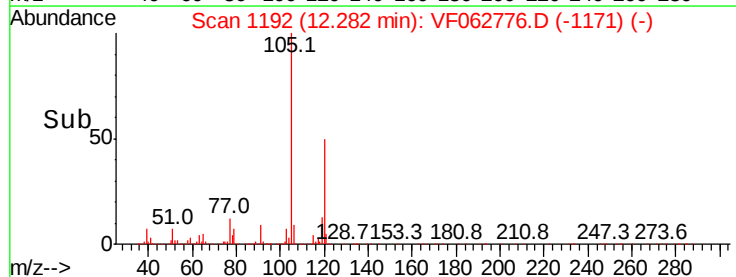
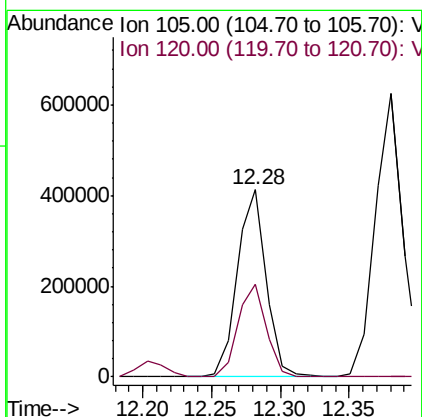
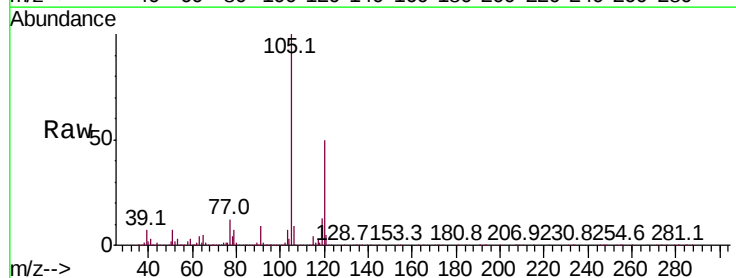
RT: 12.28 min Scan# 1192

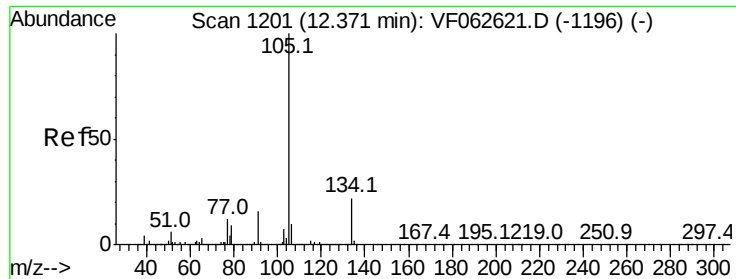
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	105	Resp:	599733
Ion Ratio	Lower	Upper	
105	100		
120	49.8	26.7	80.1





#85

sec-Butylbenzene

Concen: 24.635 ug/l

RT: 12.38 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

ClientSampleId :

VF0529SBS01

Tot Ion:105 Resp: 868527

Ion Ratio Lower Upper

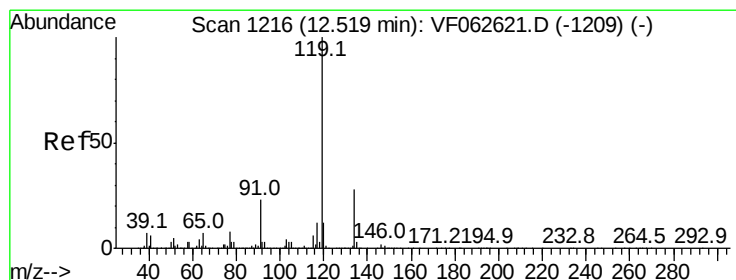
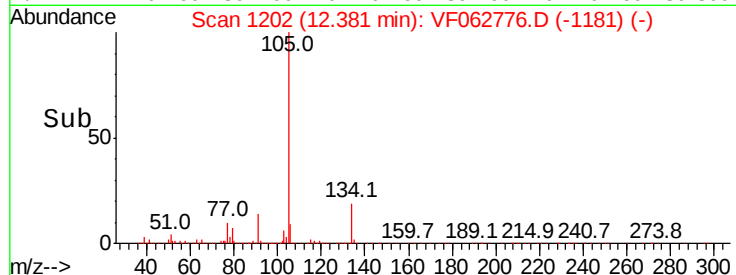
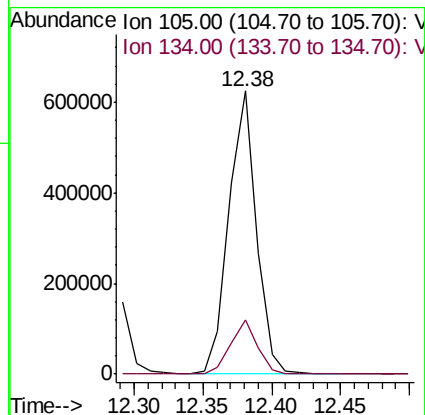
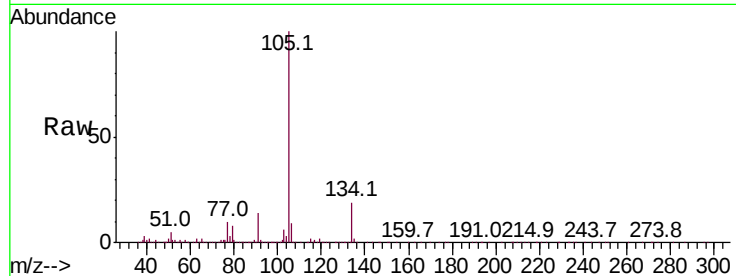
105 100

134 19.3 10.8 32.4

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#86

p-Isopropyltoluene

Concen: 24.509 ug/l

RT: 12.53 min Scan# 1217

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

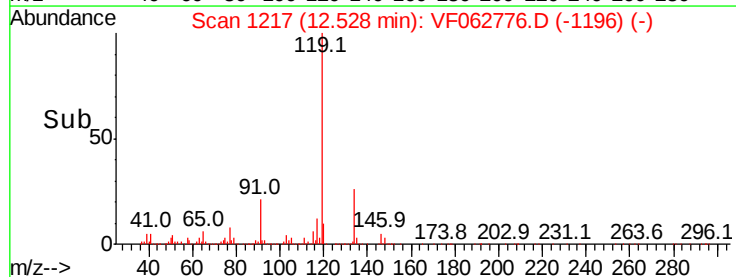
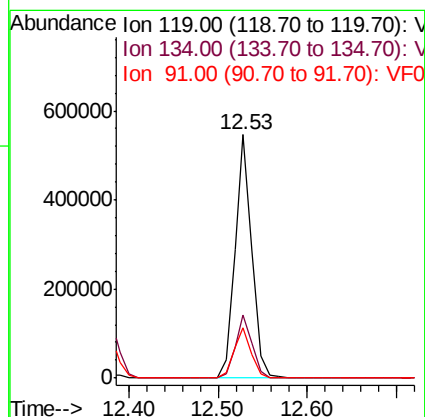
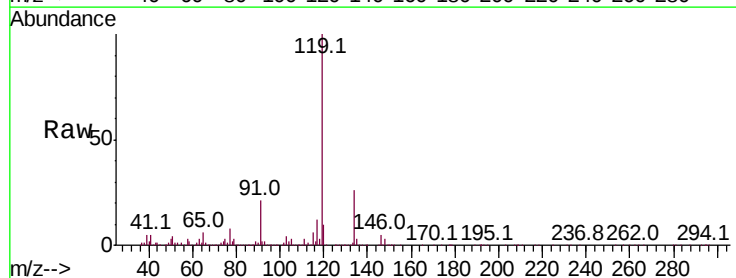
Tgt Ion:119 Resp: 728211

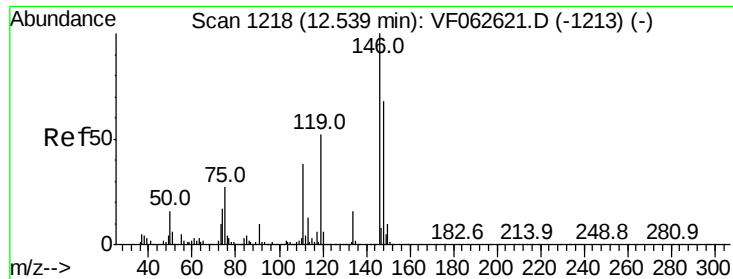
Ion Ratio Lower Upper

119 100

134 26.0 14.1 42.3

91 20.9 11.4 34.2





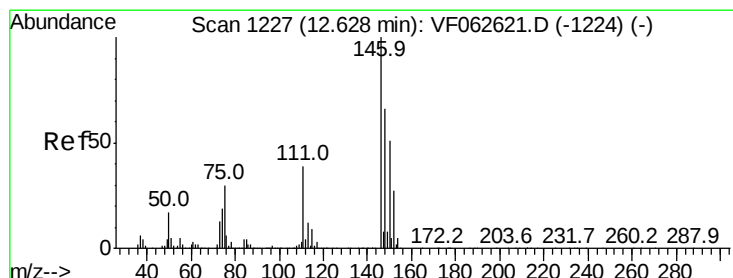
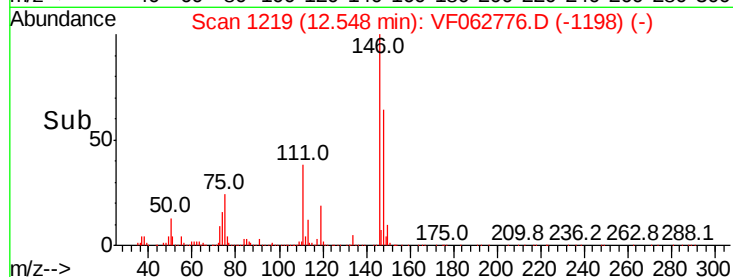
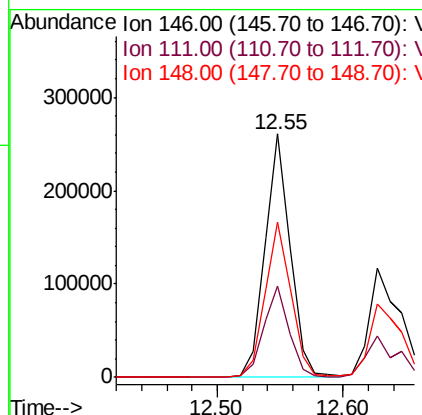
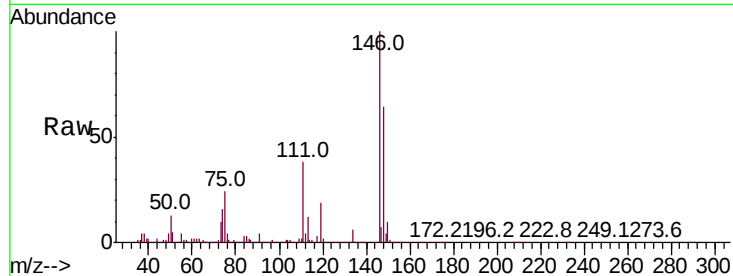
#87
 1,3-Dichlorobenzene
 Concen: 25.047 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.9	56.9
148	63.6	34.0	101.8

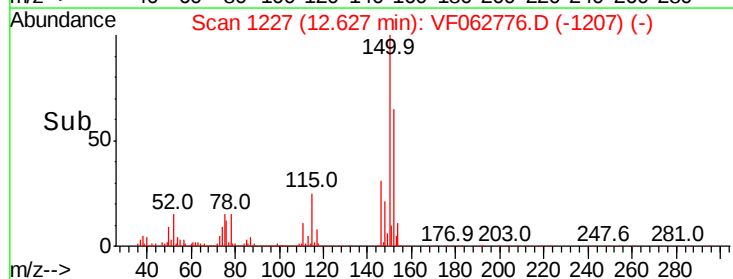
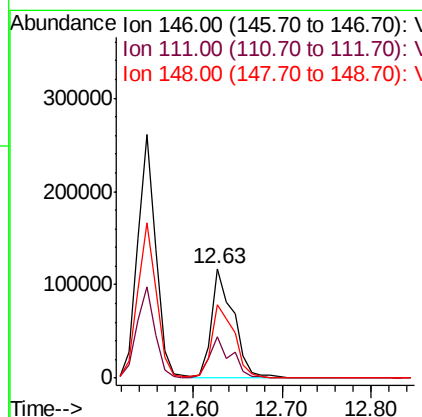
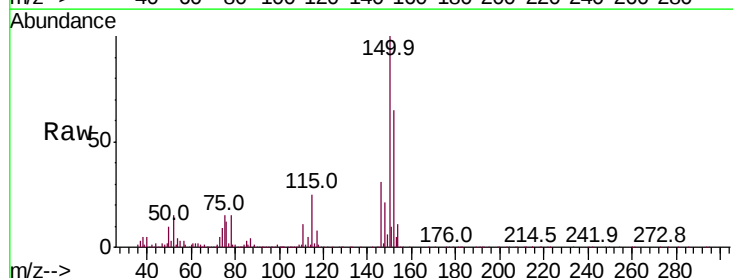
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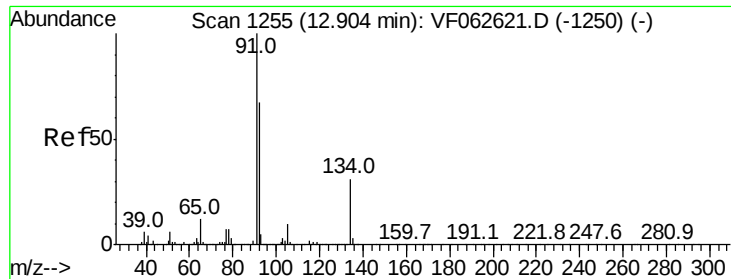
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#88
 1,4-Dichlorobenzene
 Concen: 15.002 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.4	58.2
148	67.2	33.2	99.6





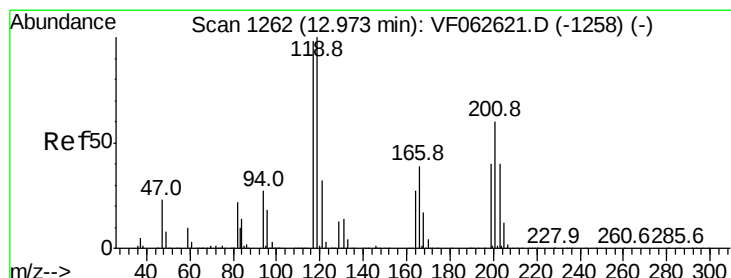
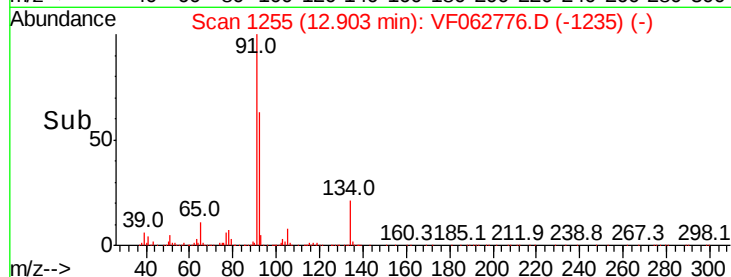
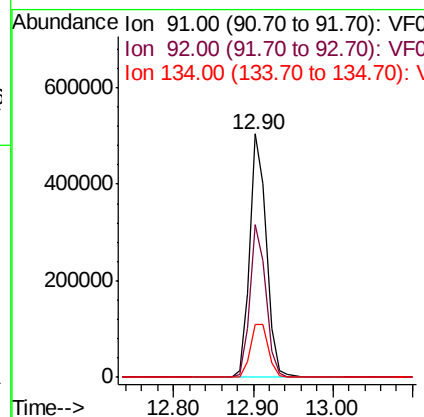
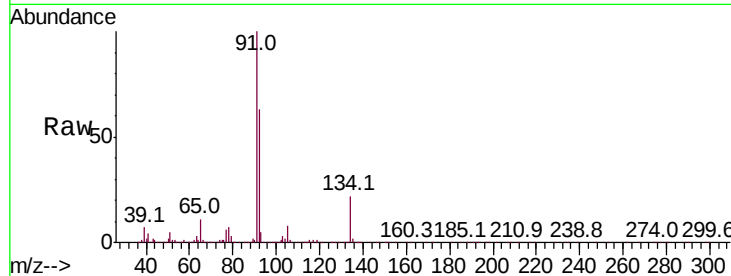
#89
n-Butylbenzene
Concen: 24.683 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Instrument :
MSVOA_F
ClientSampleId :
VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	723064		
92	62.7		33.3	99.8
134	21.5		15.4	46.4

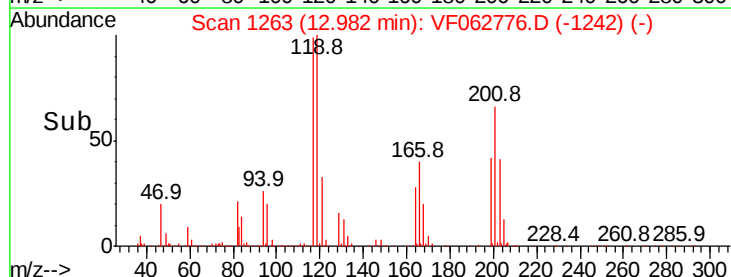
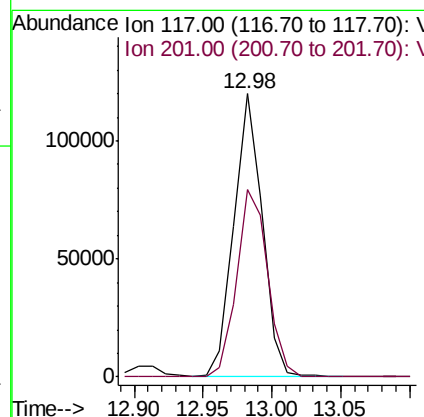
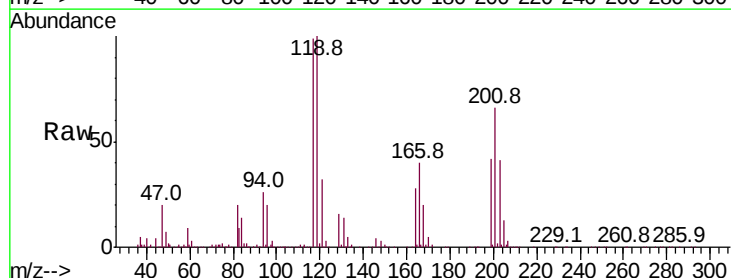
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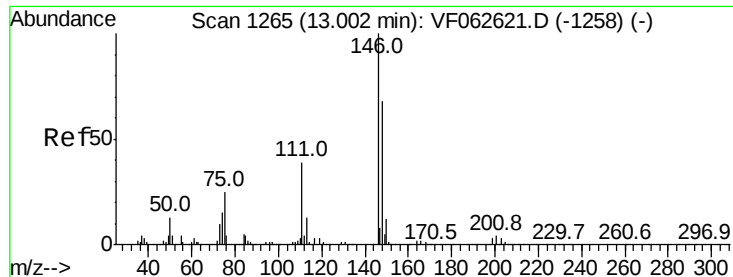
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#90
Hexachloroethane
Concen: 24.193 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062776.D
Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	172435		
201	67.8		30.7	92.1





#91

1,2-Dichlorobenzene

Concen: 23.916 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

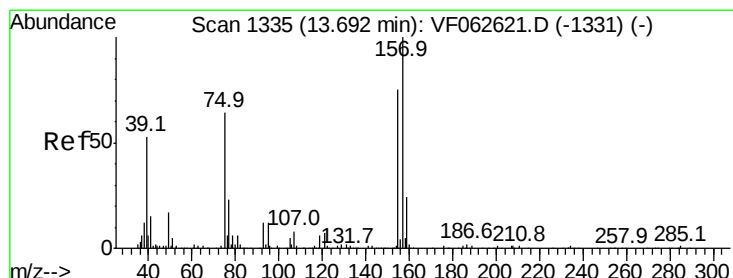
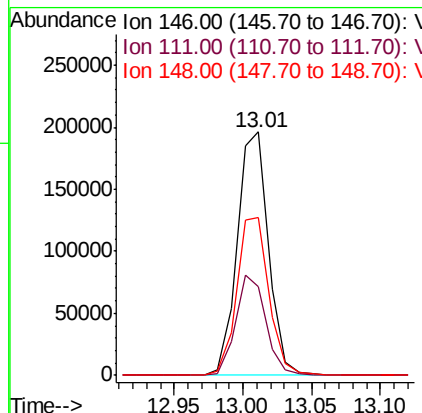
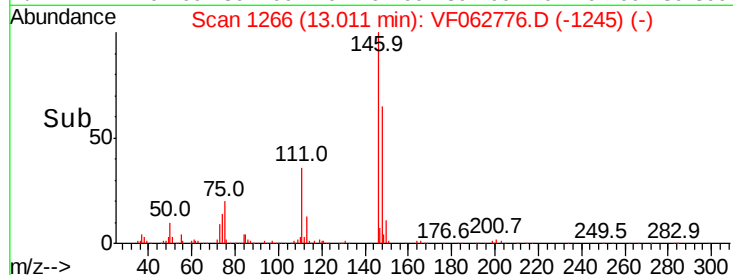
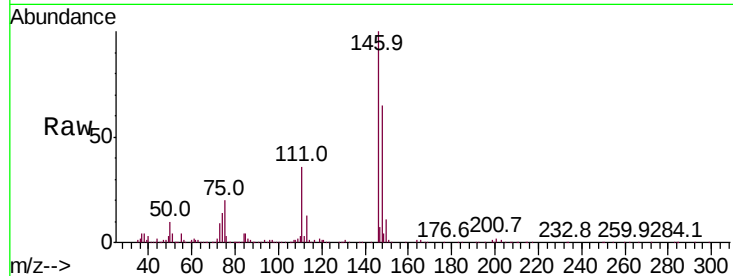
ClientSampleId :

VF0529SBS01

Tot Ion:	146	Resp:	309600
Ion Ratio	Lower	Upper	
146	100		
111	36.4	19.8	59.3
148	64.7	34.1	102.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 27.825 ug/l

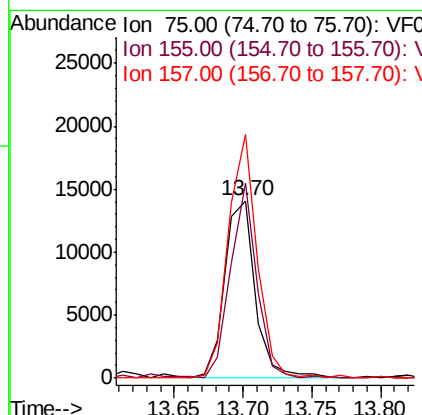
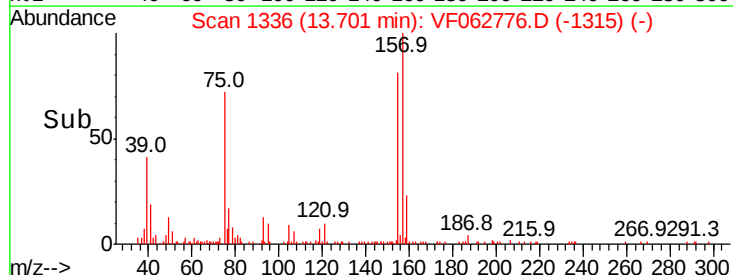
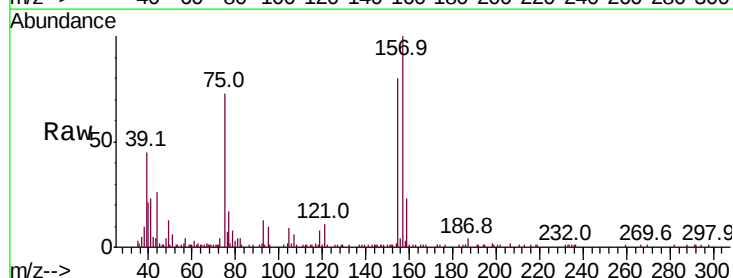
RT: 13.70 min Scan# 1336

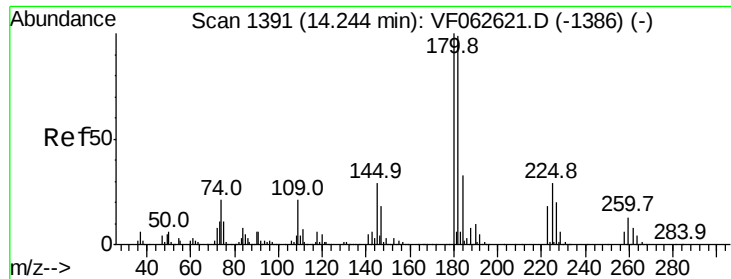
Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	75	Resp:	21906
Ion Ratio	Lower	Upper	
75	100		
155	110.2	58.1	174.3
157	137.2	77.8	233.4





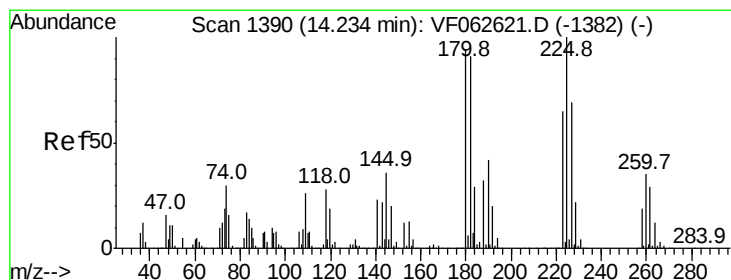
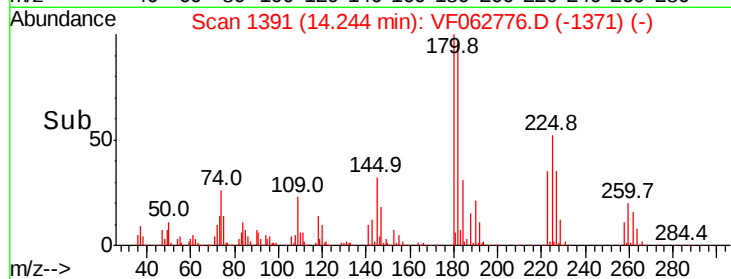
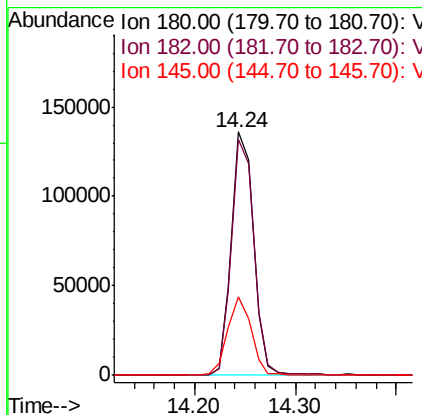
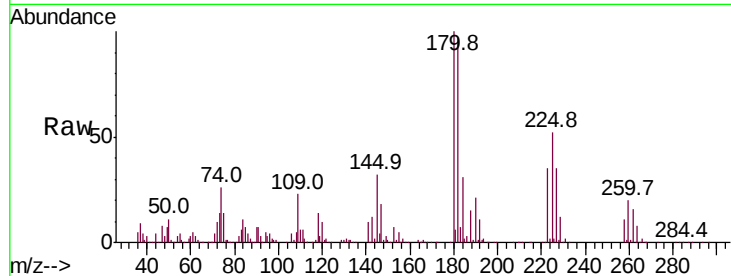
#93
 1,2,4-Trichlorobenzene
 Concen: 22.606 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0529SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209473		
182	96.8	49.7	149.1	
145	32.3	14.6	44.0	

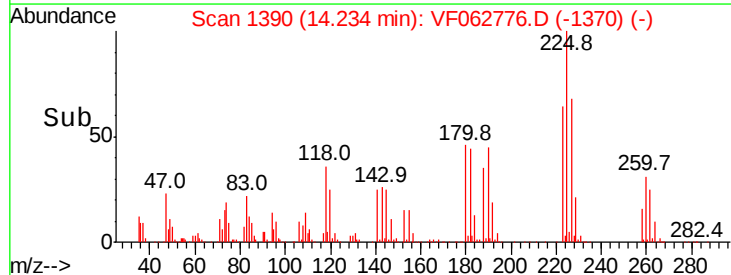
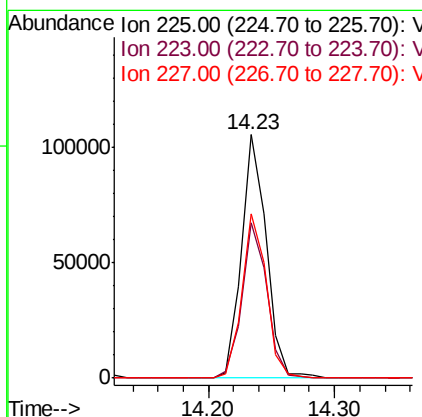
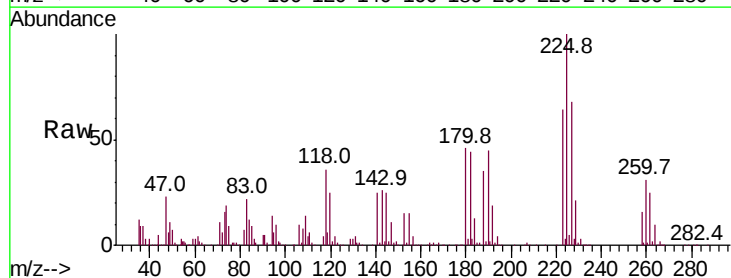
Manual Integrations
 APPROVED

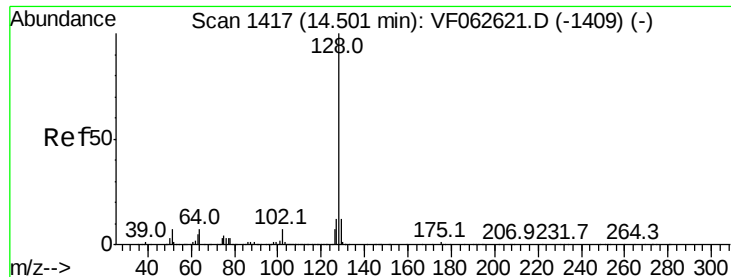
mmdadoda
 5/30/2019 11:01:59 AM



#94
 Hexachlorobutadiene
 Concen: 22.188 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062776.D
 Acq: 29 May 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143480		
223	64.0	32.5	97.4	
227	67.7	34.5	103.5	





#95

Naphthalene

Concen: 20.630 ug/l

RT: 14.50 min Scan# 1417

Delta R.T. -0.00 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Instrument :

MSVOA_F

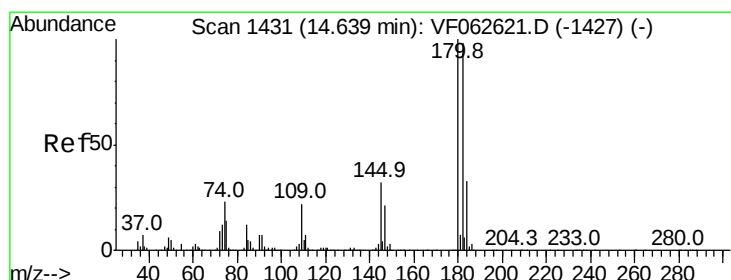
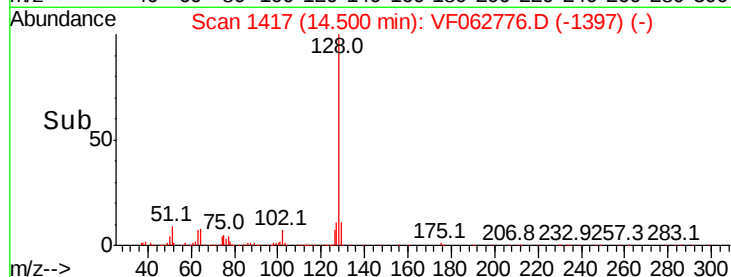
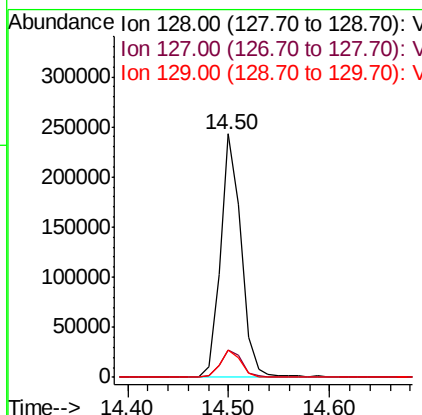
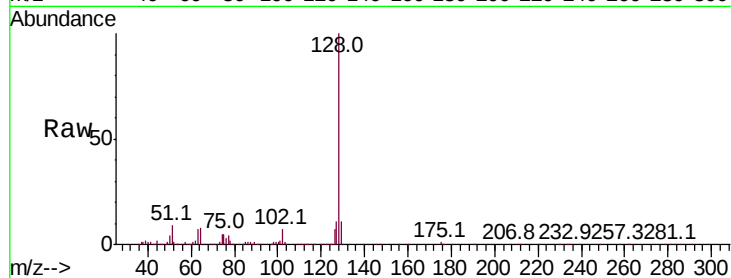
ClientSampleId :

VF0529SBS01

Tot Ion:	128	Resp:	347285
Ion Ratio	Lower	Upper	
128	100		
127	11.2	9.7	14.5
129	11.2	9.3	13.9

Manual Integrations
APPROVED

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5/30/2019 11:01:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.118 ug/l

RT: 14.65 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VF062776.D

Acq: 29 May 2019 12:13

Tgt Ion:	180	Resp:	194129
Ion Ratio	Lower	Upper	
180	100		
182	101.6	48.9	146.7
145	27.5	16.1	48.2

