

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062278.D
 Acq On : 24 Apr 2019 13:48
 Operator : FY/SY
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:58 AM

Quant Time: Apr 25 08:43:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	514371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	698938	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	536400	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	328325	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.05	65	23448	5.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.24%	
35) Dibromofluoromethane	4.32	113	29541	5.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.10%	
50) Toluene-d8	7.72	98	75545	5.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.90%	
62) 4-Bromofluorobenzene	11.50	95	33396	6.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	12.48%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.01	85	32730	5.143	ug/l	91
3) Chloromethane	1.14	50	30663	5.754	ug/l	90
4) Vinyl Chloride	1.19	62	26061	5.213	ug/l #	86
5) Bromomethane	1.40	94	19895	5.896	ug/l	84
6) Chloroethane	1.44	64	11722	5.351	ug/l #	86
7) Trichlorofluoromethane	1.56	101	39268	4.979	ug/l	97
8) Diethyl Ether	1.72	74	8847	6.242	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.90	101	24339	4.924	ug/l	92
10) Methyl Iodide	1.97	142	45765	5.319	ug/l	97
11) Tert butyl alcohol	2.71	59	6686	26.922	ug/l #	69
12) 1,1-Dichloroethene	1.86	96	24306	5.358	ug/l	96
13) Acrolein	2.11	56	4411	26.819	ug/l #	72
14) Allyl chloride	2.21	41	26455m	3.868	ug/l	
15) Acrylonitrile	3.11	53	18624	25.930	ug/l	92
16) Acetone	2.36	43	26128	28.038	ug/l	97
17) Carbon Disulfide	1.92	76	66401	5.645	ug/l	95
18) Methyl Acetate	2.47	43	12545m	5.429	ug/l	
19) Methyl tert-butyl Ether	2.56	73	42267	5.057	ug/l	92
20) Methylene Chloride	2.33	84	43288	7.342	ug/l	96
21) trans-1,2-Dichloroethene	2.43	96	24253	5.567	ug/l	96
22) Diisopropyl ether	2.95	45	68433	5.257	ug/l	95
23) Vinyl Acetate	3.35	43	142368	25.245	ug/l	98
24) 1,1-Dichloroethane	3.03	63	37422	5.125	ug/l	100
25) 2-Butanone	4.53	43	41070	27.807	ug/l	94
26) 2,2-Dichloropropane	3.79	77	20001	5.244	ug/l	95
27) cis-1,2-Dichloroethene	3.67	96	28086	5.039	ug/l	95
28) Bromochloromethane	3.91	49	17103	5.356	ug/l #	100
29) Tetrahydrofuran	4.29	42	17854	27.735	ug/l	95
30) Chloroform	4.07	83	44346	4.869	ug/l	93
31) Cyclohexane	3.88	56	36844	5.216	ug/l	94
32) 1,1,1-Trichloroethane	4.31	97	39409	5.810	ug/l	89
36) 1,1-Dichloropropene	4.49	75	35258	5.311	ug/l	97
37) Ethyl Acetate	4.32	43	15137	5.554	ug/l #	90
38) Carbon Tetrachloride	4.20	117	39248	6.051	ug/l	90

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	41862	5.351	ug/l	96
40) Benzene	4.84	78	85065	5.313	ug/l	97
41) Methacrylonitrile	4.94	41	7972	5.236	ug/l #	50
42) 1,2-Dichloroethane	5.15	62	24917	5.067	ug/l #	76
43) Isopropyl Acetate	7.13	43	19078	6.636	ug/l #	99
44) Trichloroethene	5.70	130	28819	5.322	ug/l	97
45) 1,2-Dichloropropane	6.42	63	19691	5.583	ug/l	90
46) Dibromomethane	6.27	93	13361	5.230	ug/l	95
47) Bromodichloromethane	6.57	83	33399	5.553	ug/l	92
48) Methyl methacrylate	6.89	41	11554	5.857	ug/l	96
49) 1,4-Dioxane	6.88	88	2737	121.232	ug/l #	81
51) 4-Methyl-2-Pentanone	8.42	43	65029	29.563	ug/l	98
52) Toluene	7.79	92	52013	5.664	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	24889	5.682	ug/l	100
54) cis-1,3-Dichloropropene	7.47	75	30877	5.428	ug/l	97
55) 1,1,2-Trichloroethane	8.64	97	12895	5.137	ug/l	94
56) Ethyl methacrylate	8.76	69	17893	6.377	ug/l	94
57) 1,3-Dichloropropane	9.01	76	22456	5.689	ug/l #	85
58) 2-Chloroethyl Vinyl ether	7.46	63	21196	24.452	ug/l	98
59) 2-Hexanone	9.63	43	50244	23.423	ug/l	98
60) Dibromochloromethane	8.87	129	21633	5.349	ug/l	100
61) 1,2-Dibromoethane	9.15	107	16494	5.639	ug/l	98
64) Tetrachloroethene	8.32	164	23935	5.191	ug/l	92
65) Chlorobenzene	9.95	112	52683	5.296	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	24506	5.110	ug/l	96
67) Ethyl Benzene	10.04	91	95549	5.414	ug/l	95
68) m/p-Xylenes	10.27	106	69251	10.628	ug/l	92
69) o-Xylene	10.82	106	37154	5.080	ug/l	94
70) Styrene	10.90	104	57441	5.428	ug/l	98
71) Bromoform	10.88	173	12686	4.874	ug/l #	97
73) Isopropylbenzene	11.22	105	113926	4.860	ug/l	99
74) N-amyl acetate	11.45	43	32582	6.122	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.78	83	16618	4.741	ug/l	84
76) 1,2,3-Trichloropropane	11.88	75	13509	5.341	ug/l #	100
77) Bromobenzene	11.59	156	28815	5.097	ug/l	96
78) n-propylbenzene	11.68	91	128157	5.254	ug/l	96
79) 2-Chlorotoluene	11.80	91	74920	5.168	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	100145	5.106	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	6440m	4.384	ug/l	
82) 4-Chlorotoluene	11.98	91	76702	5.339	ug/l	99
83) tert-Butylbenzene	12.20	119	102781	4.998	ug/l	97
84) 1,2,4-Trimethylbenzene	12.27	105	101229	5.249	ug/l	96
85) sec-Butylbenzene	12.37	105	130282	5.104	ug/l	98
86) p-Isopropyltoluene	12.53	119	119781	5.271	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	57970	5.635	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	51052	5.293	ug/l	96
89) n-Butylbenzene	12.90	91	114218	5.390	ug/l	94
90) Hexachloroethane	12.98	117	26066	4.624	ug/l	95
91) 1,2-Dichlorobenzene	13.00	146	51950	5.253	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.69	75	3776	5.299	ug/l	97

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MSVOA_F
ClientSampleId :
VSTDICC005

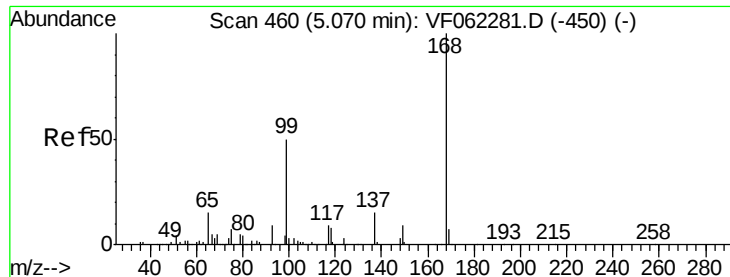
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Apr 25 07:31:32 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.24	180	46391	5.295	ug/l	99
94) Hexachlorobutadiene	14.23	225	31179	5.014	ug/l	98
95) Naphthalene	14.50	128	67585	5.195	ug/l	100
96) 1,2,3-Trichlorobenzene	14.65	180	39775	4.932	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 514371

Ion Ratio Lower Upper

168 100

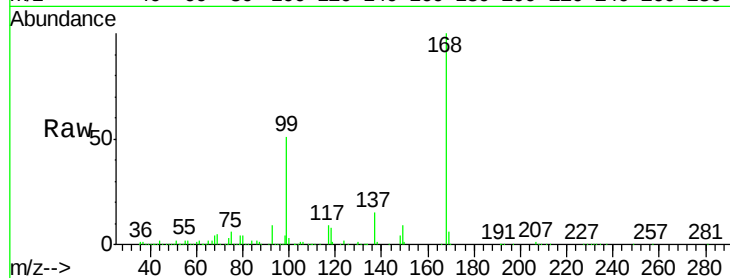
99 50.9 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VF0

200000

150000

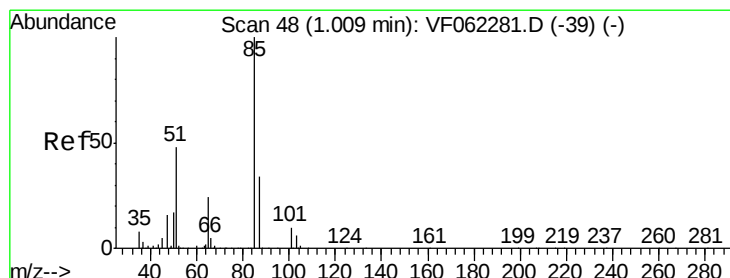
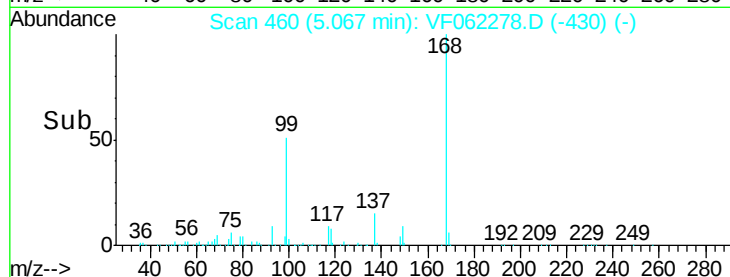
100000

50000

0

4.90 5.00 5.10 5.20 5.30

Time-->



#2

Dichlorodifluoromethane

Concen: 5.143 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062278.D

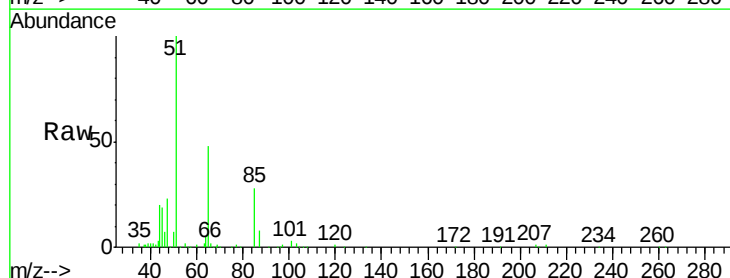
Acq: 24 Apr 2019 13:48

Tgt Ion: 85 Resp: 32730

Ion Ratio Lower Upper

85 100

87 29.0 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

12000

10000

8000

6000

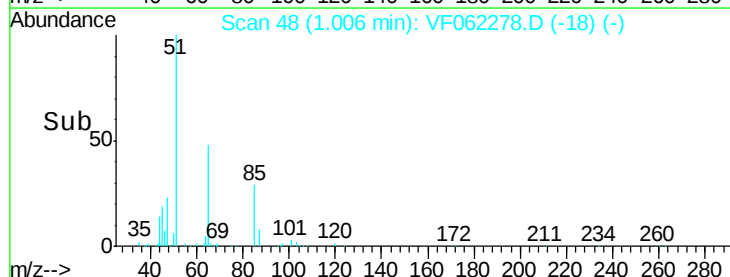
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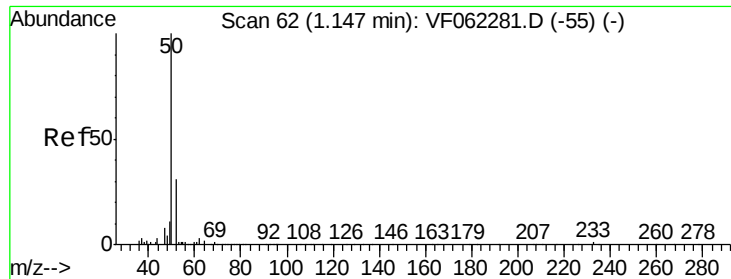
2000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 5.754 ug/l

RT: 1.14 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30663

Ion Ratio Lower Upper

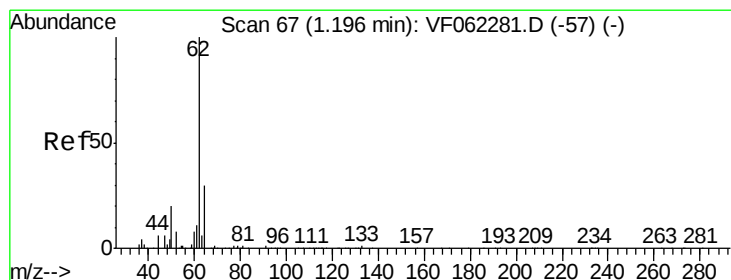
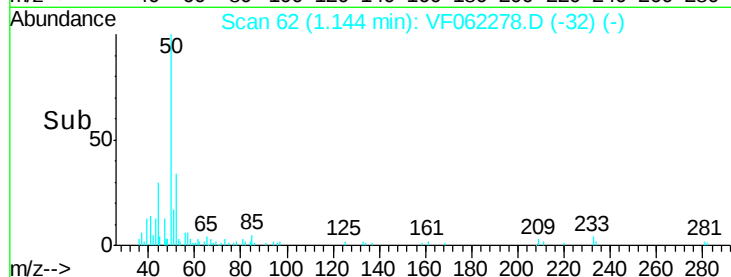
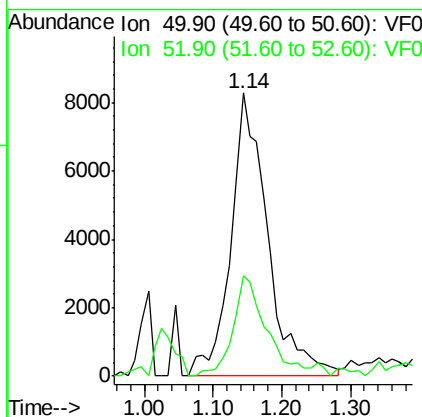
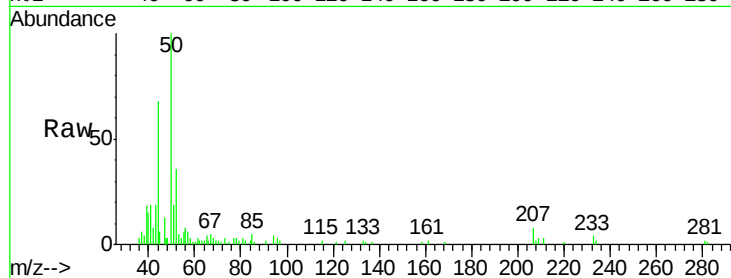
50 100

52 35.7 24.2 36.4

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#4

Vinyl Chloride

Concen: 5.213 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062278.D

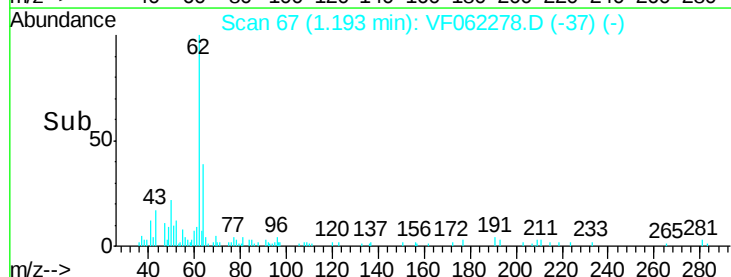
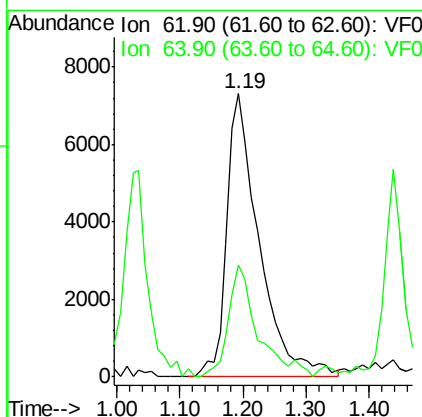
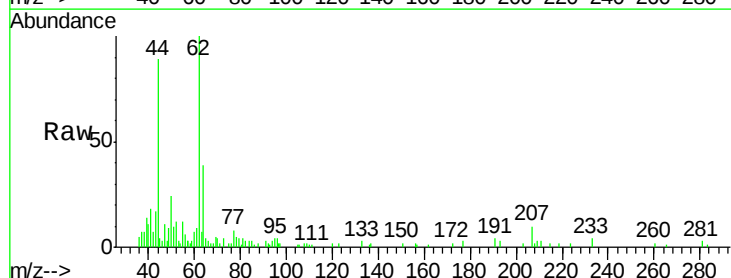
Acq: 24 Apr 2019 13:48

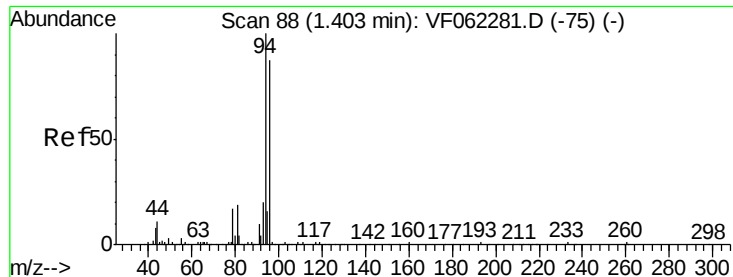
Tgt Ion: 62 Resp: 26061

Ion Ratio Lower Upper

62 100

64 37.9 24.3 36.5#





#5

Bromomethane

Concen: 5.896 ug/l

RT: 1.40 min Scan# 88

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19895

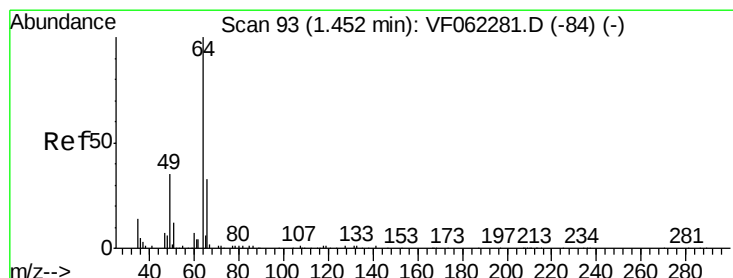
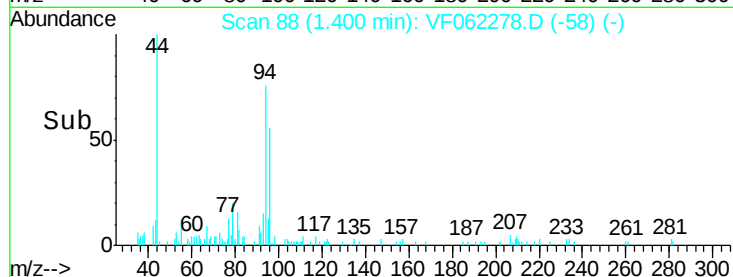
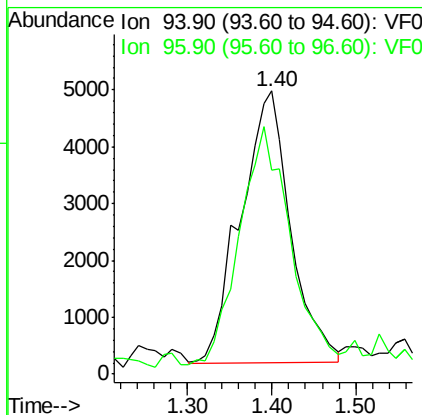
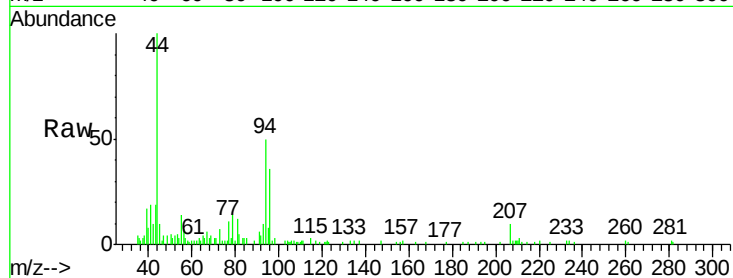
Ion Ratio Lower Upper

94 100

96 71.8 69.5 104.3

Manual Integrations
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#6

Chloroethane

Concen: 5.351 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.01 min

Lab File: VF062278.D

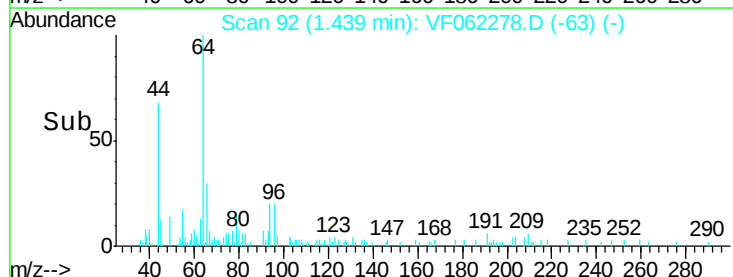
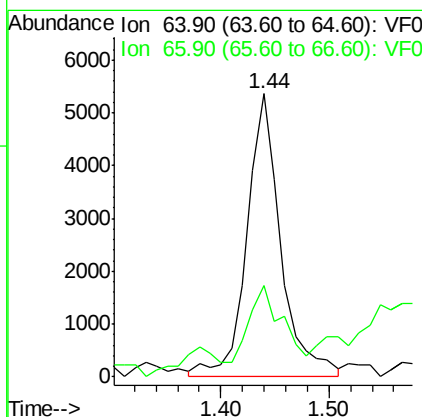
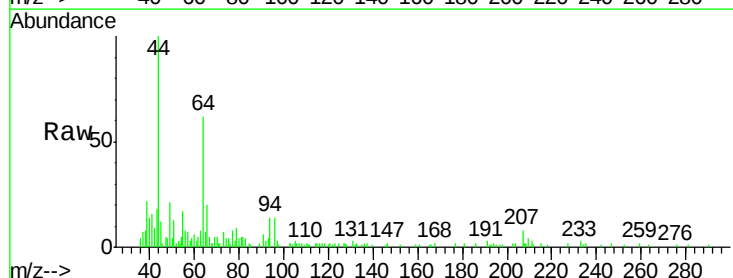
Acq: 24 Apr 2019 13:48

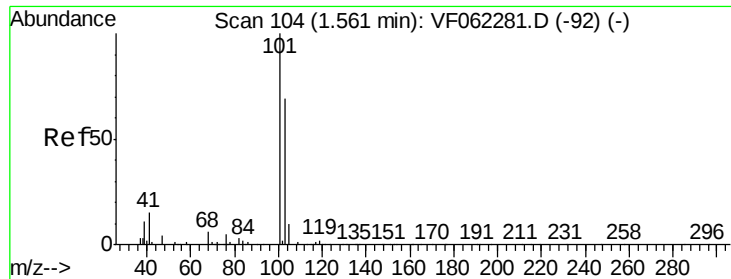
Tgt Ion: 64 Resp: 11722

Ion Ratio Lower Upper

64 100

66 24.7 26.0 39.0#





#7

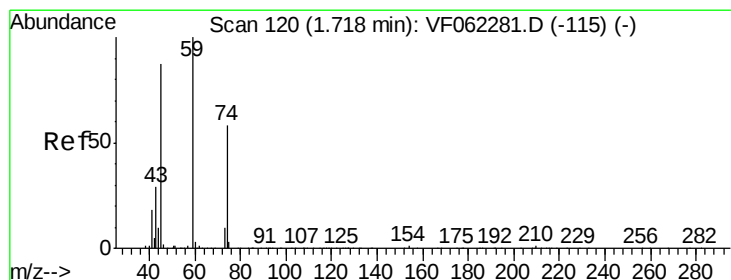
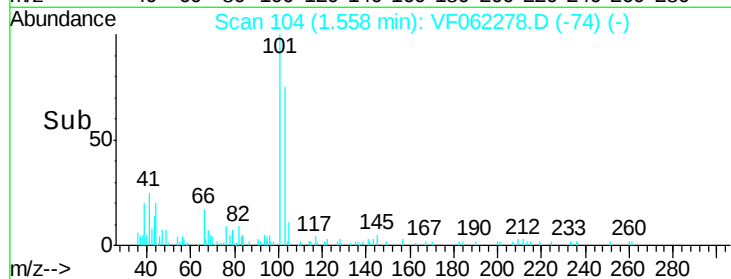
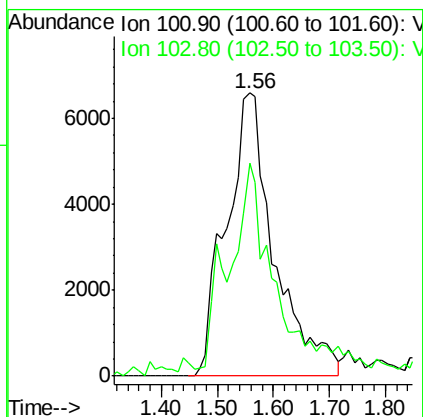
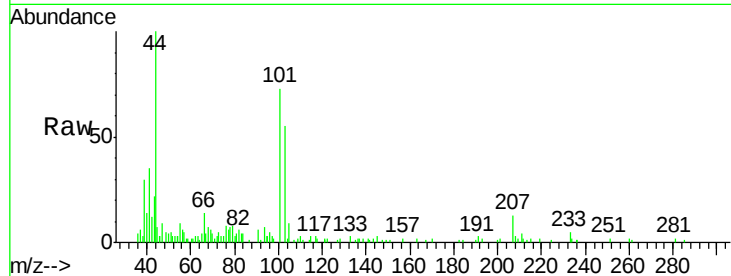
Trichlorofluoromethane
Concen: 4.979 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	70.9	55.0	82.6

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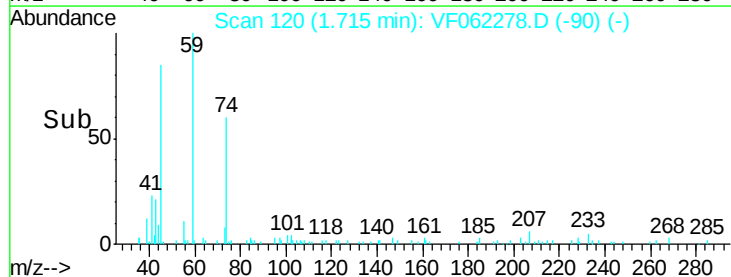
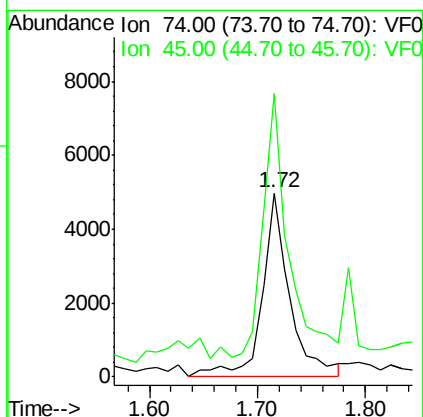
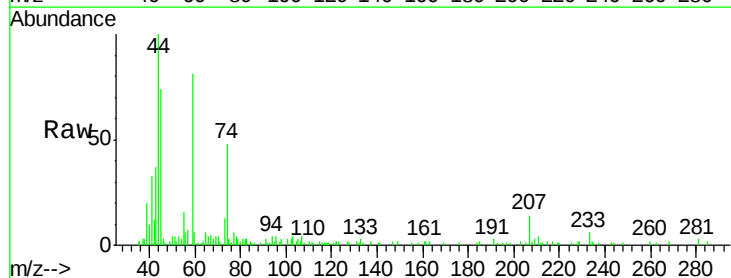
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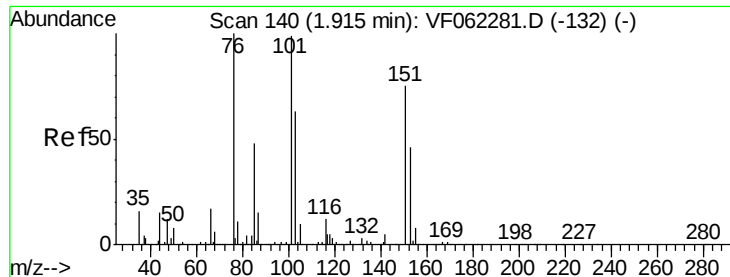


#8

Diethyl Ether
Concen: 6.242 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	128.6	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.924 ug/l

RT: 1.90 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

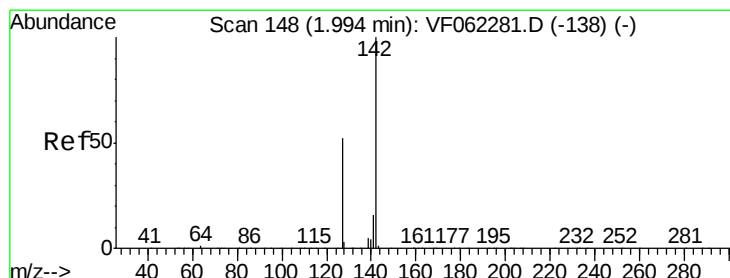
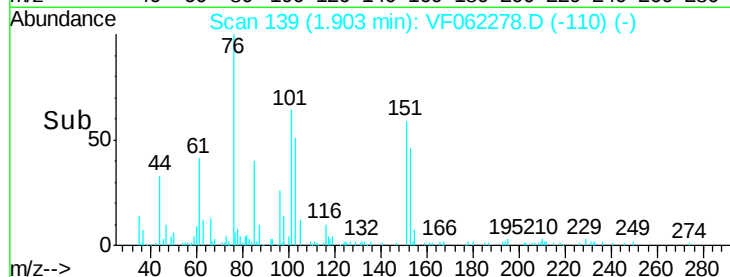
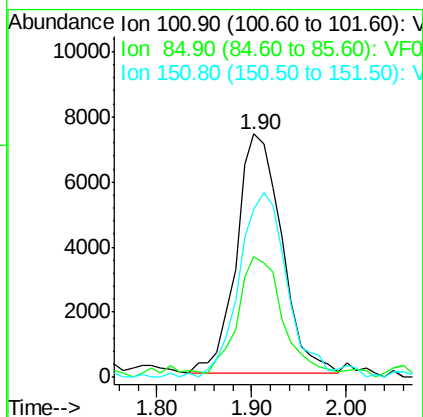
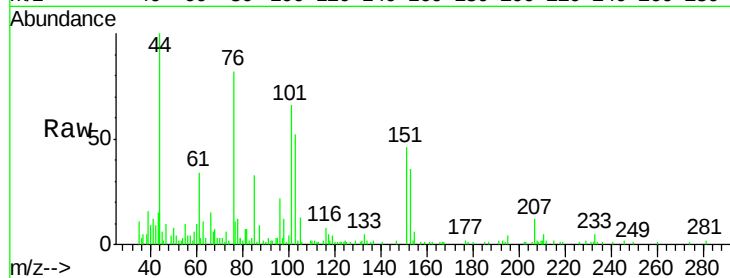
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	24339
Ion Ratio	Lower	Upper	
101	100		
85	49.8	36.5	54.7
151	82.2	59.2	88.8

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#10

Methyl Iodide

Concen: 5.319 ug/l

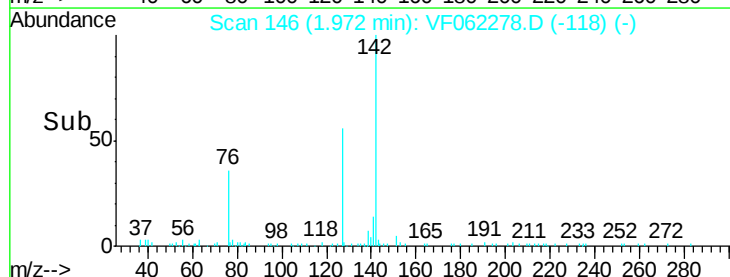
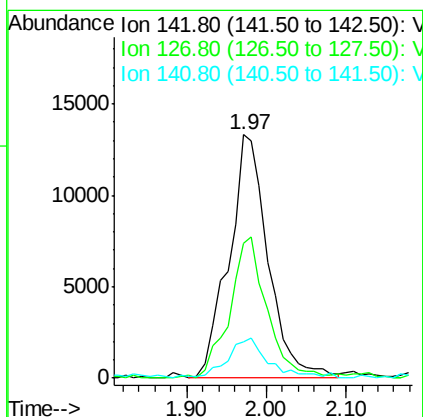
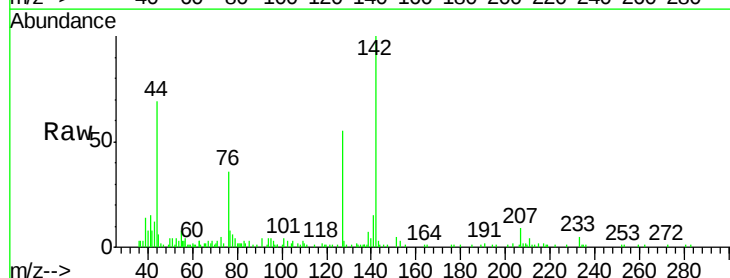
RT: 1.97 min Scan# 146

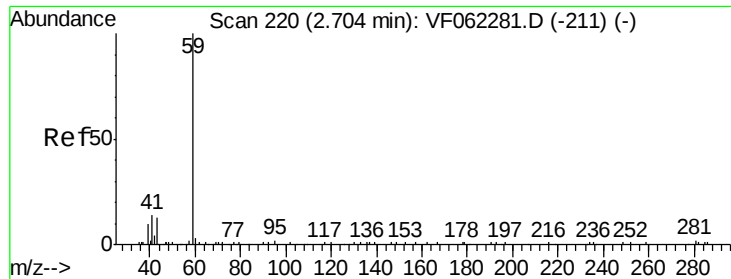
Delta R.T. -0.02 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	142	Resp:	45765
Ion Ratio	Lower	Upper	
142	100		
127	55.1	43.0	64.4
141	17.7	12.3	18.5





#11

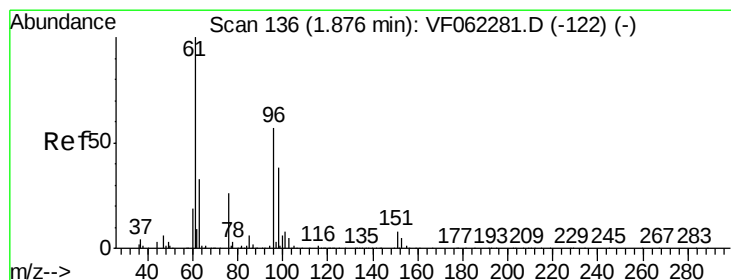
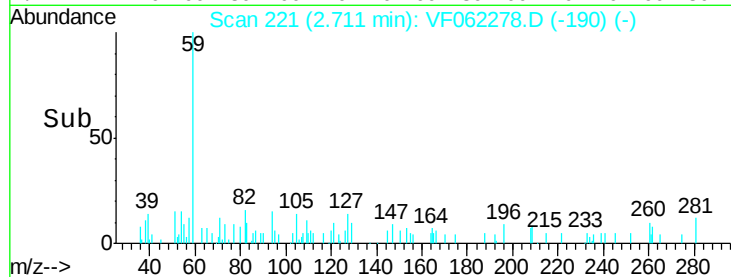
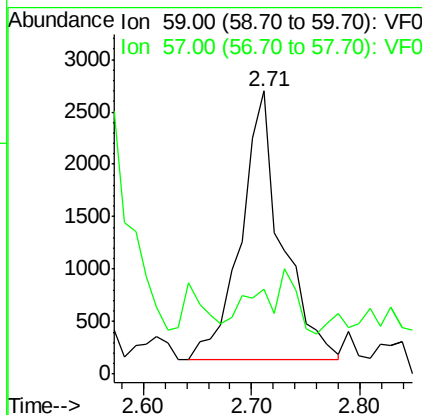
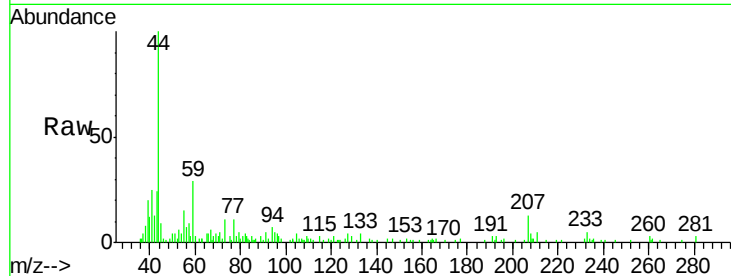
Tert butyl alcohol
 Concen: 26.922 ug/l
 RT: 2.71 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	22.8	8.8	13.2#

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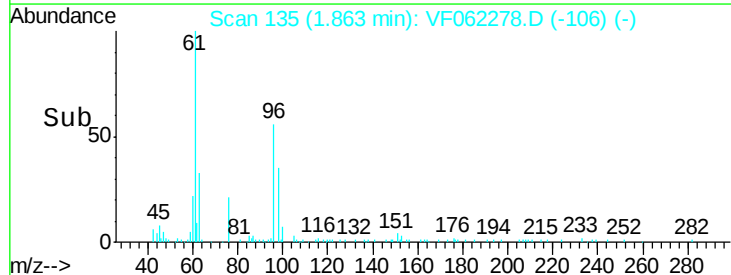
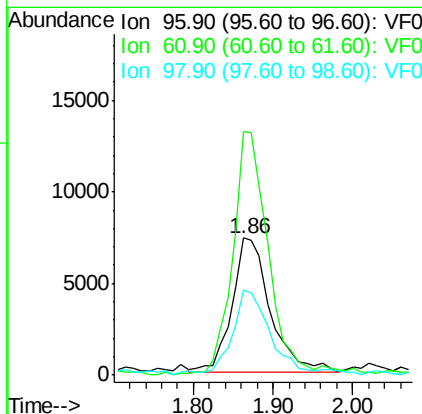
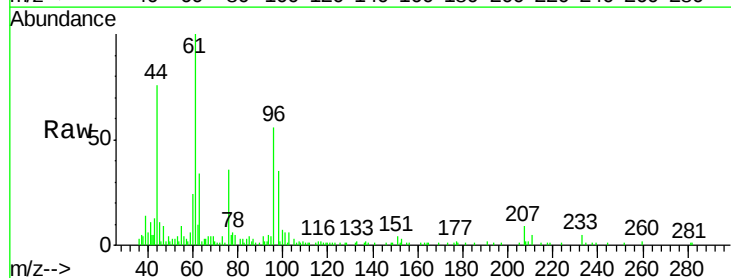
MMDadoda
 4/26/2019 9:20:58 AM

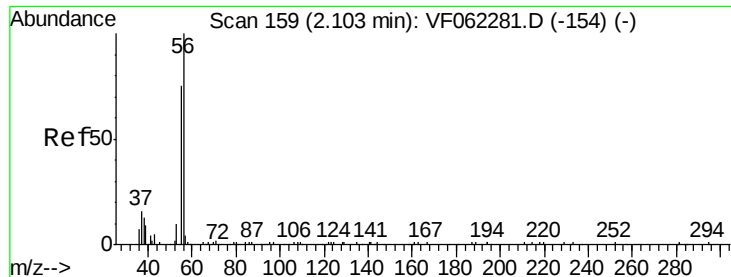


#12

1,1-Dichloroethene
 Concen: 5.358 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	180.7	141.1	211.7
98	60.9	53.4	80.0





#13

Acrolein

Concen: 26.819 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 4411

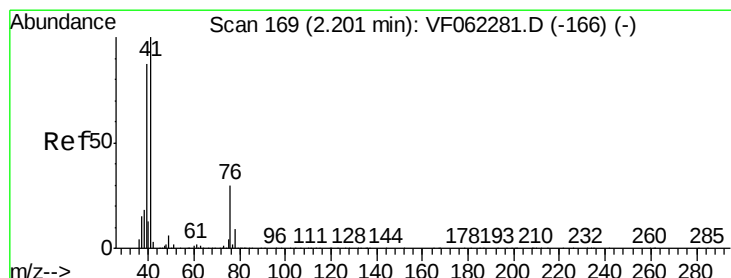
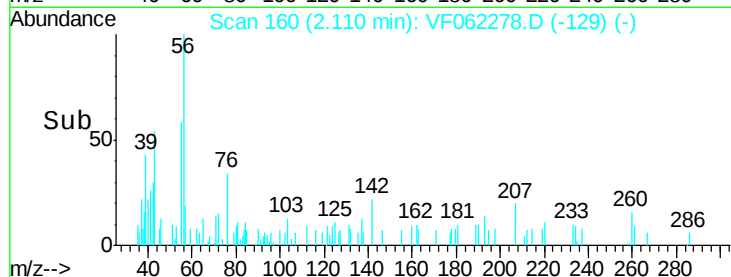
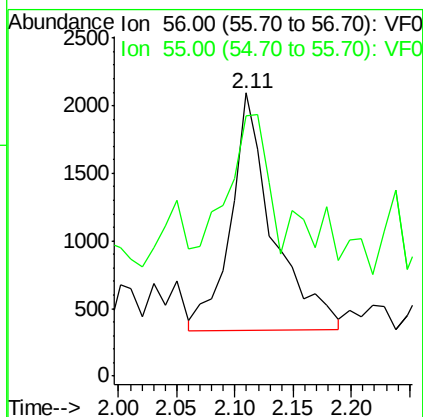
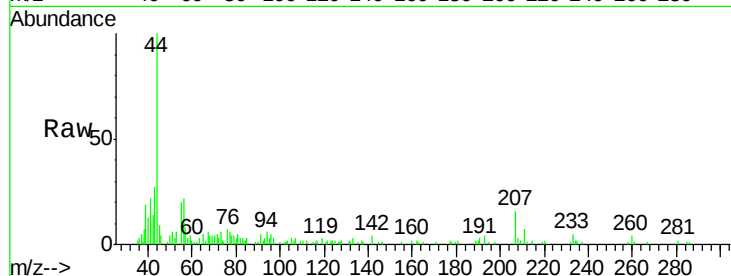
Ion Ratio Lower Upper

56 100

55 54.0 62.3 93.5#

Manual Integrations
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#14

Allyl chloride

Concen: 3.868 ug/l m

RT: 2.21 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

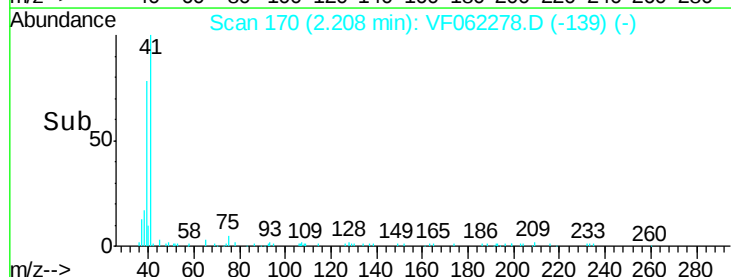
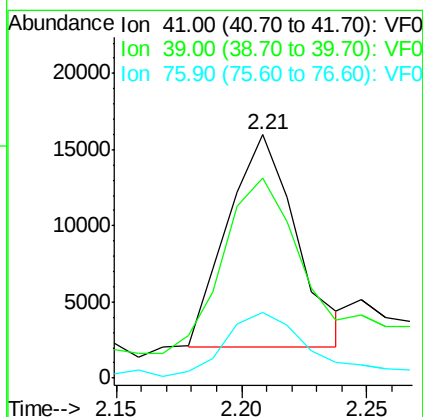
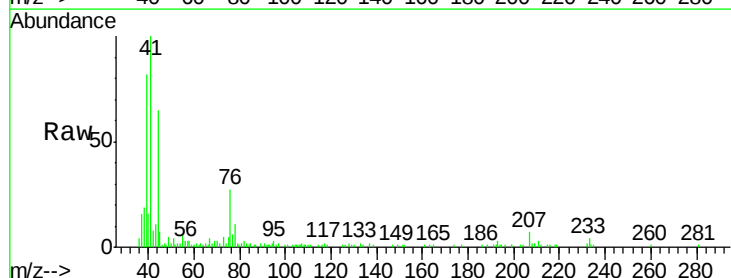
Tgt Ion: 41 Resp: 26455

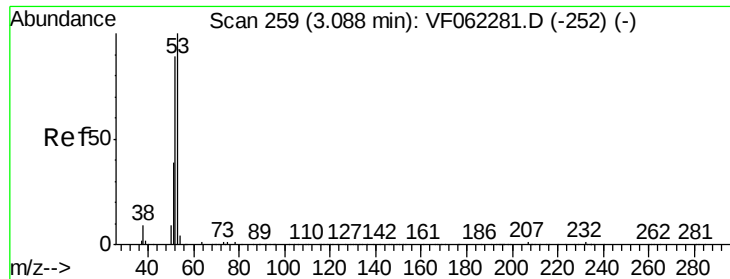
Ion Ratio Lower Upper

41 100

39 123.3 50.3 75.5#

76 46.5 14.8 22.2#





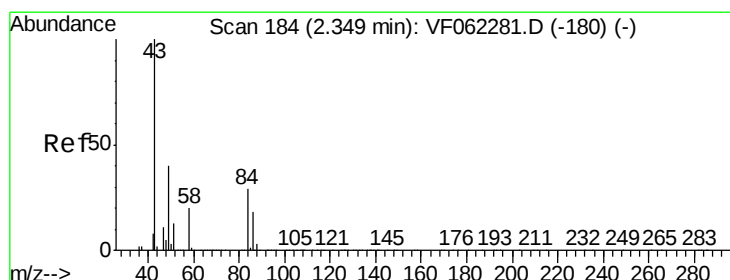
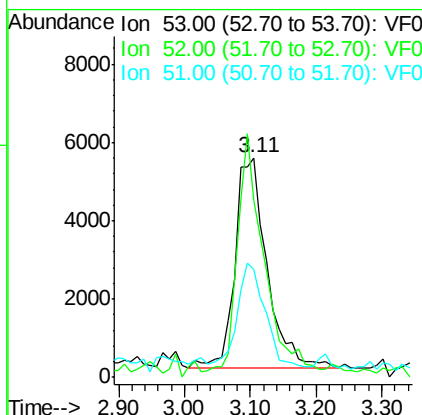
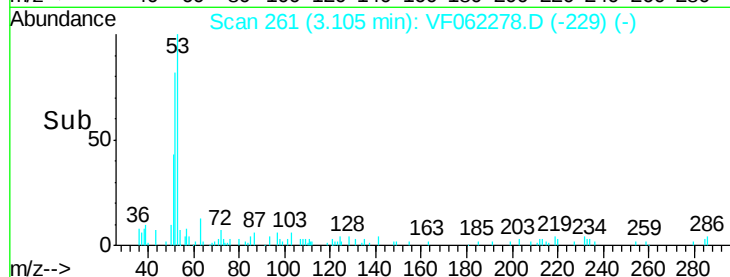
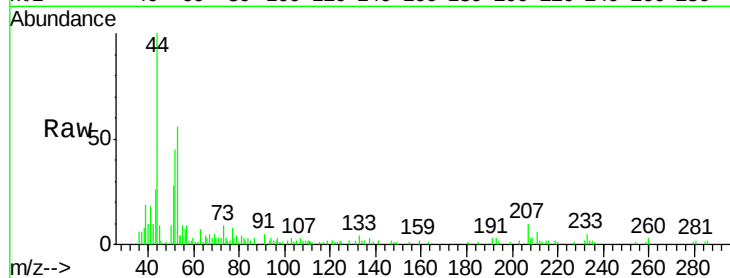
#15
 Acrylonitrile
 Concen: 25.930 ug/l
 RT: 3.11 min Scan# 261
 Delta R.T. 0.02 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
53	100		
52	95.1	70.6	105.8
51	46.2	32.6	48.8

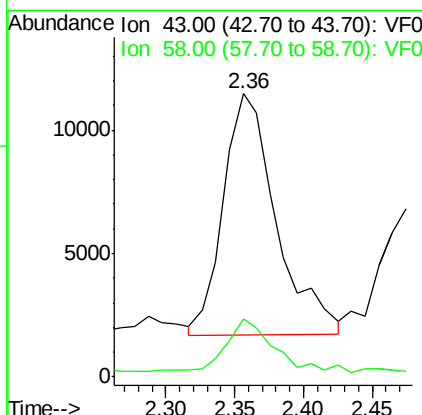
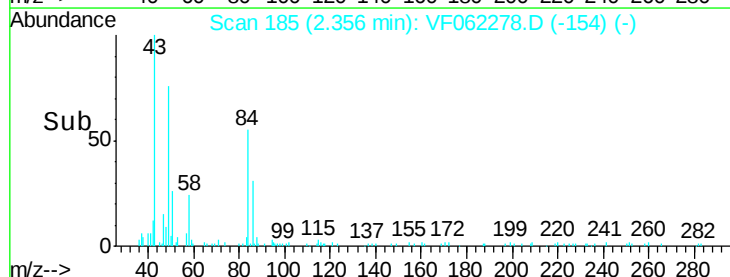
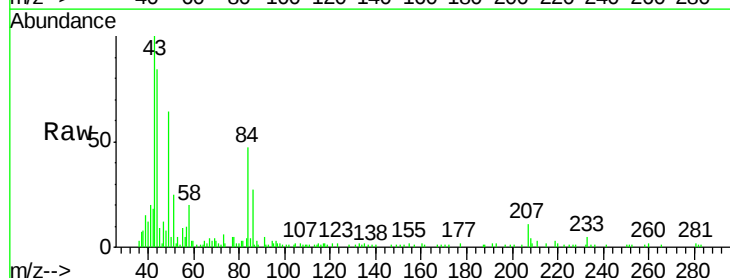
Manual Integrations
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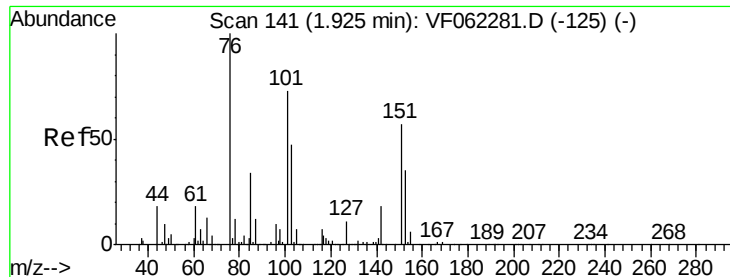
MMDadoda
 4/26/2019 9:20:58 AM



#16
 Acetone
 Concen: 28.038 ug/l
 RT: 2.36 min Scan# 185
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	21.8	16.4	24.6





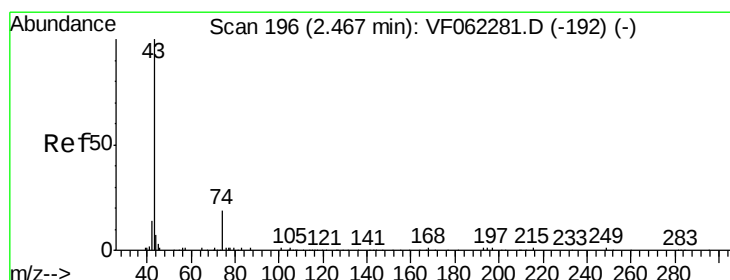
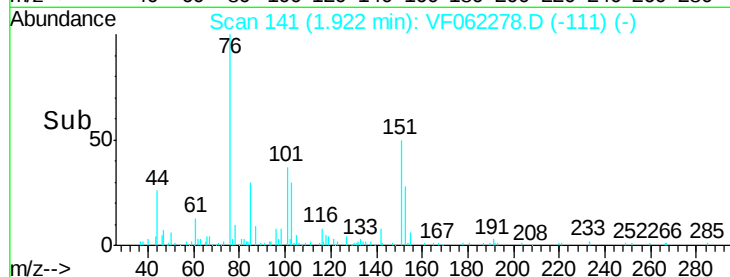
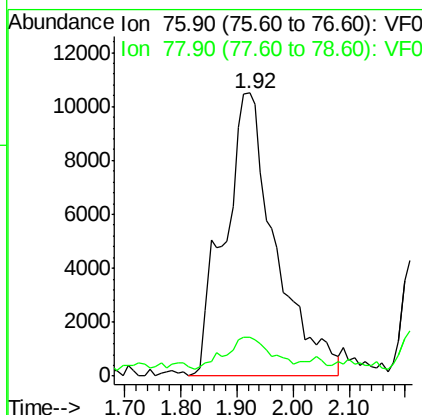
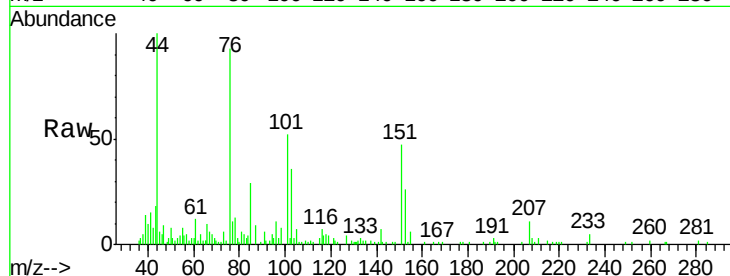
#17
Carbon Disulfide
Concen: 5.645 ug/l
RT: 1.92 min Scan# 141
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 66401
Ion Ratio Lower Upper
76 100
78 10.5 9.8 14.8

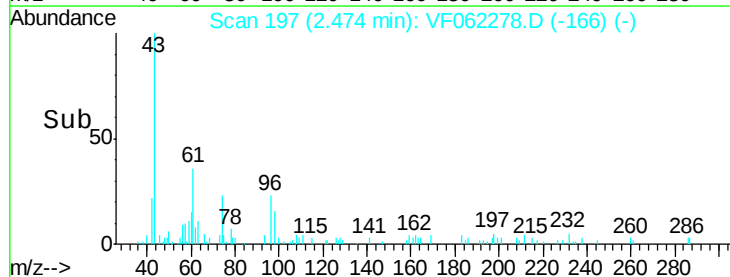
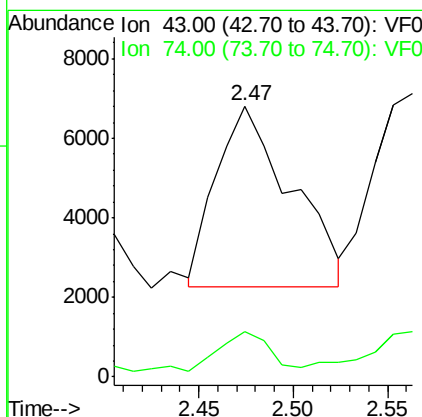
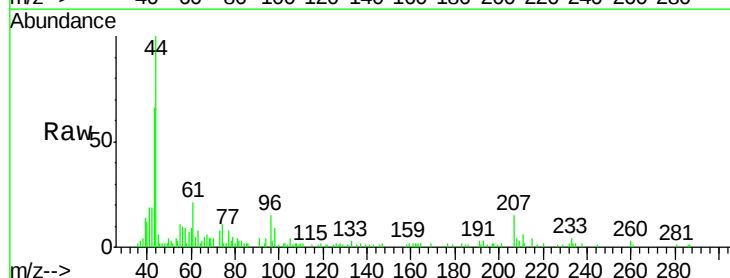
Manual Integrations
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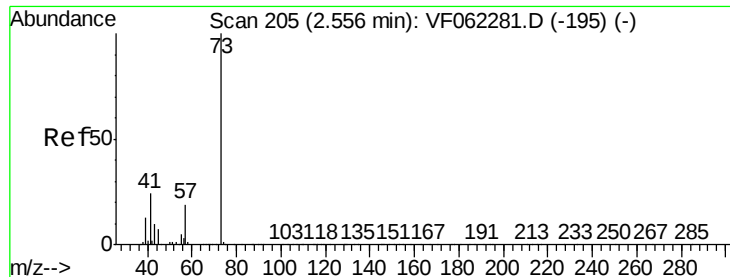
MMDadoda
4/26/2019 9:20:58 AM



#18
Methyl Acetate
Concen: 5.429 ug/l m
RT: 2.47 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 43 Resp: 12545
Ion Ratio Lower Upper
43 100
74 13.5 14.4 21.6#





#19

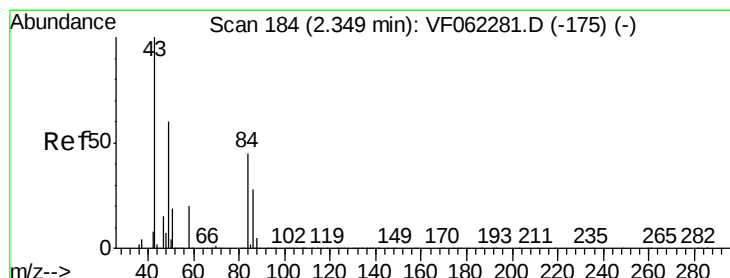
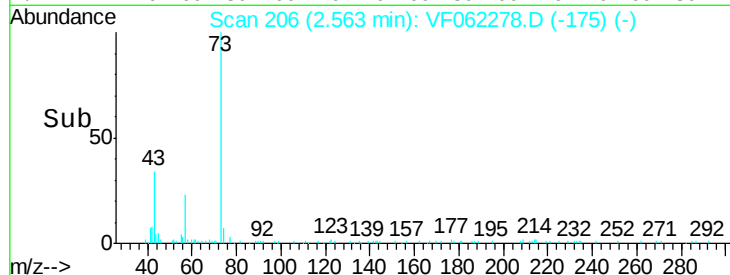
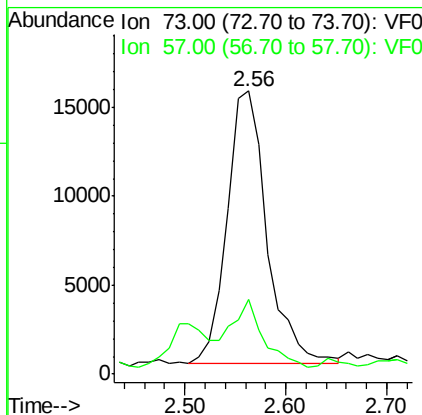
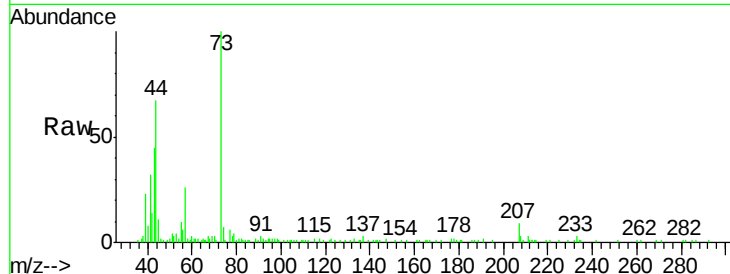
Methyl tert-butyl Ether
 Concen: 5.057 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.1	15.5	23.3

Manual Integrations
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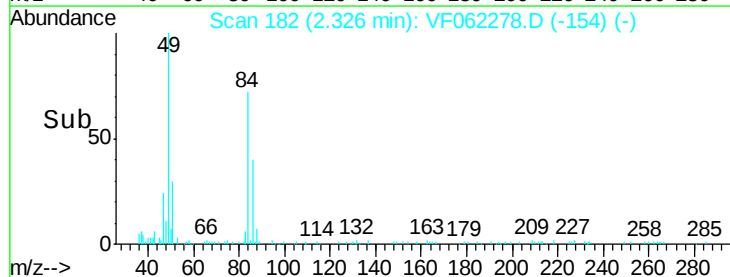
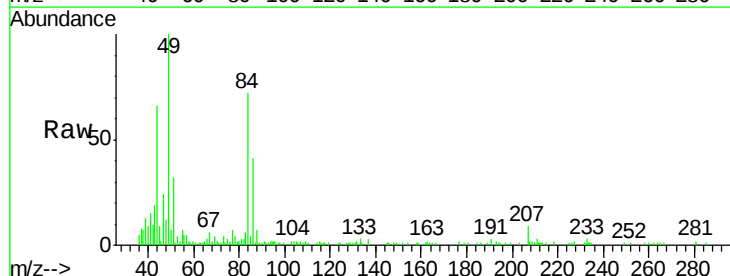
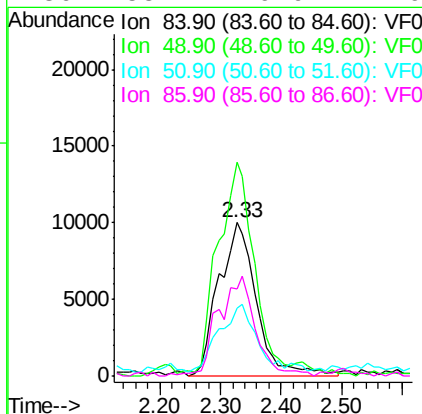
MMDadoda
 4/26/2019 9:20:58 AM

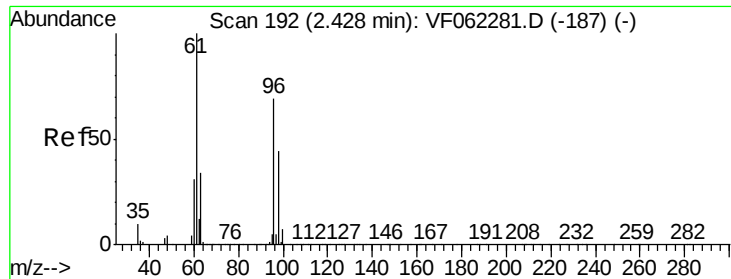


#20

Methylene Chloride
 Concen: 7.342 ug/l
 RT: 2.33 min Scan# 182
 Delta R.T. -0.02 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.2	112.1	168.1
51	41.8	35.9	53.9
86	55.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 5.567 ug/l

RT: 2.43 min Scan# 193

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

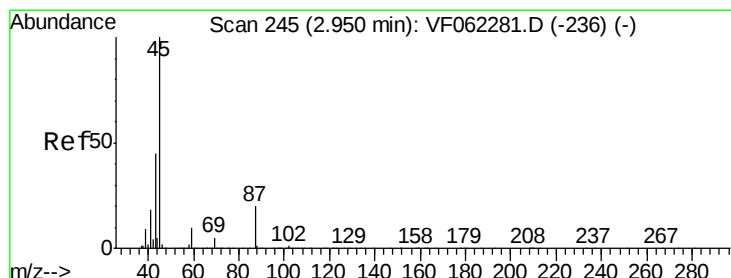
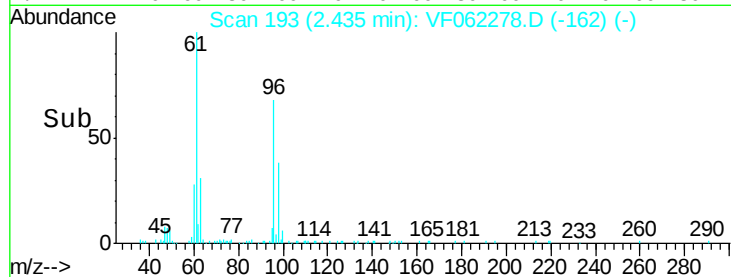
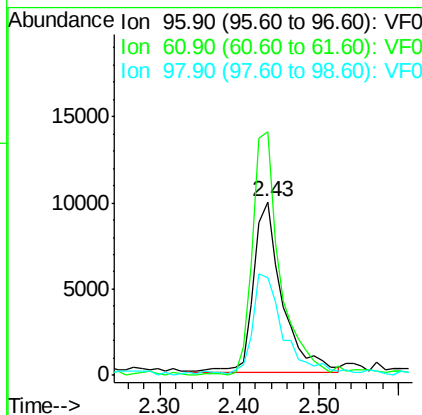
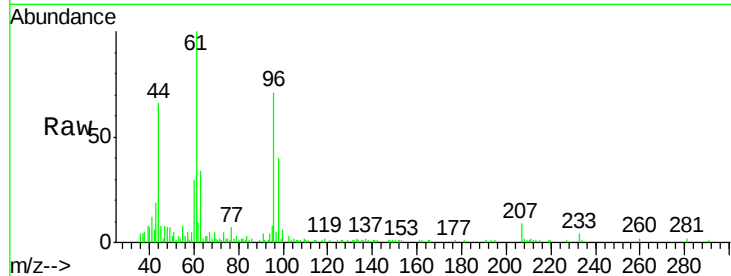
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	24253
Ion	Ratio	Lower	Upper
96	100		
61	143.9	116.2	174.2
98	55.3	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 5.257 ug/l

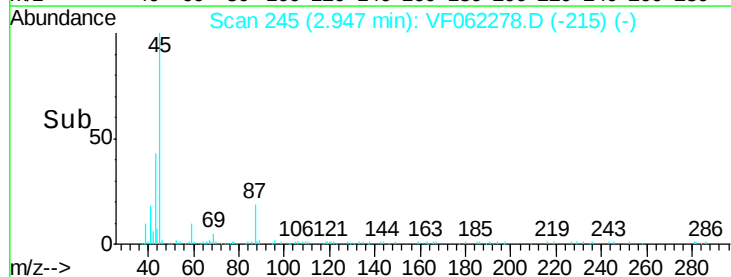
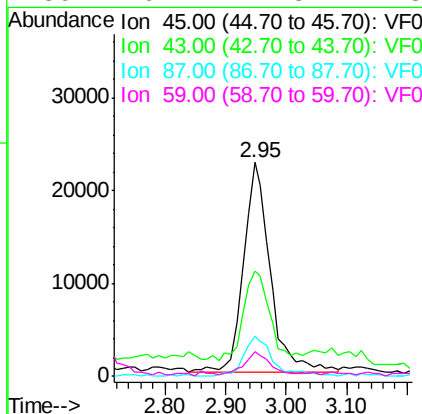
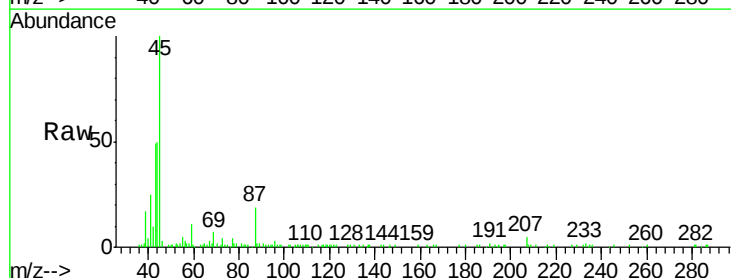
RT: 2.95 min Scan# 245

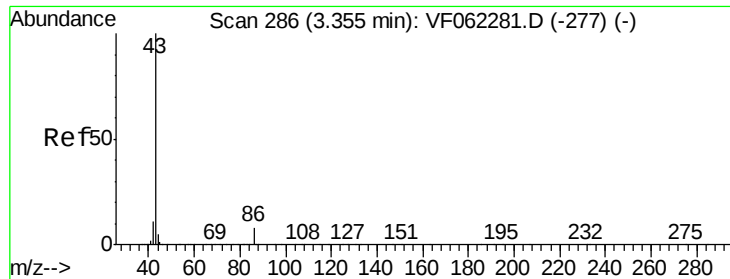
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	45	Resp:	68433
Ion	Ratio	Lower	Upper
45	100		
43	40.5	36.2	54.2
87	19.1	15.8	23.6
59	10.2	7.8	11.8





#23

Vinyl Acetate

Concen: 25.245 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 142368

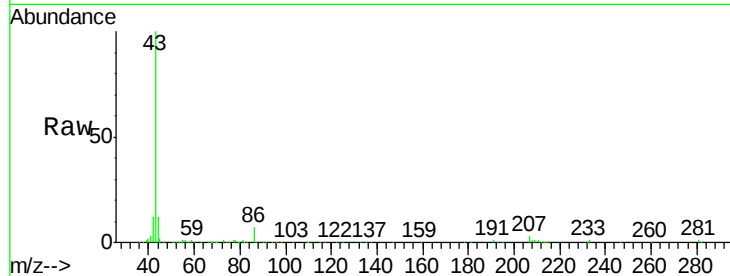
Ion Ratio Lower Upper

43 100

86 6.7 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

60000

50000

40000

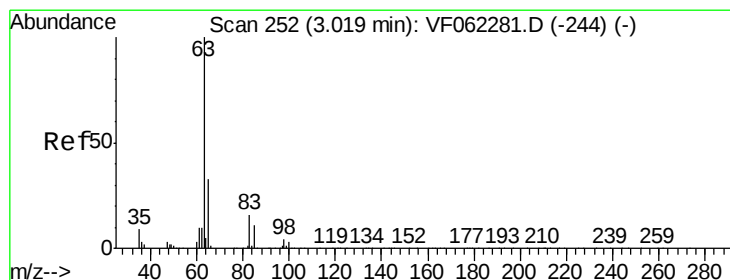
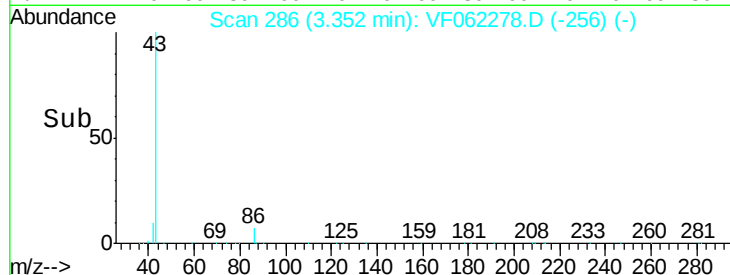
30000

20000

10000

0

Time-->



#24

1,1-Dichloroethane

Concen: 5.125 ug/l

RT: 3.03 min Scan# 253

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

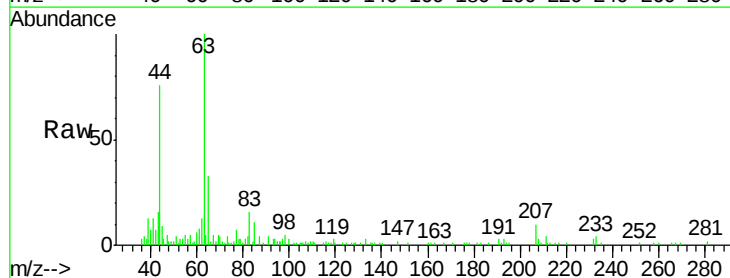
Tgt Ion: 63 Resp: 37422

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.2

100 3.1 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.03

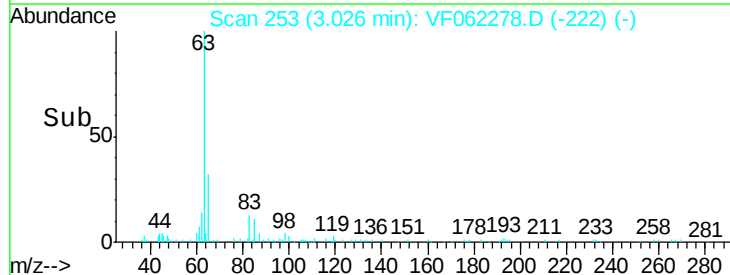
15000

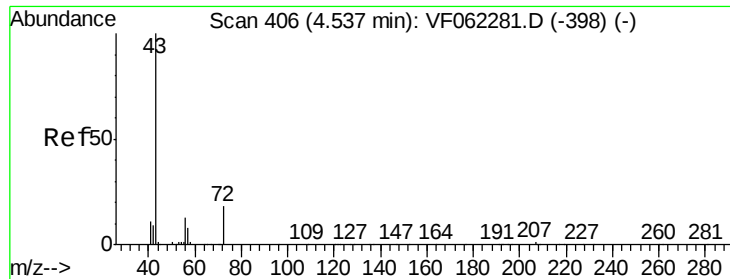
10000

5000

0

Time-->





#25

2-Butanone

Concen: 27.807 ug/l

RT: 4.53 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 41070

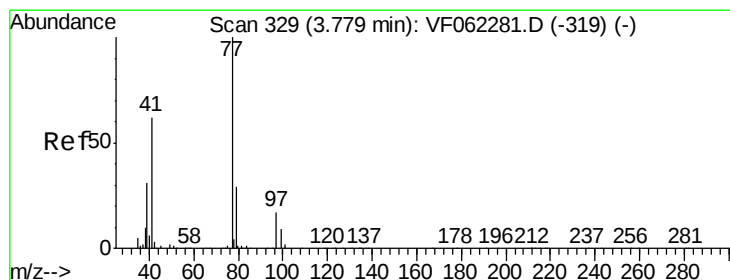
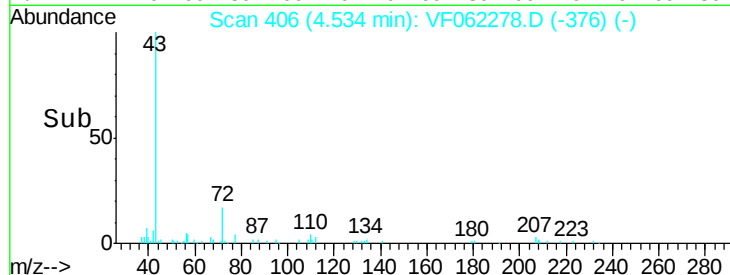
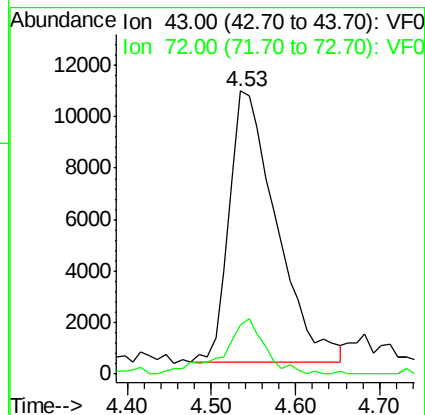
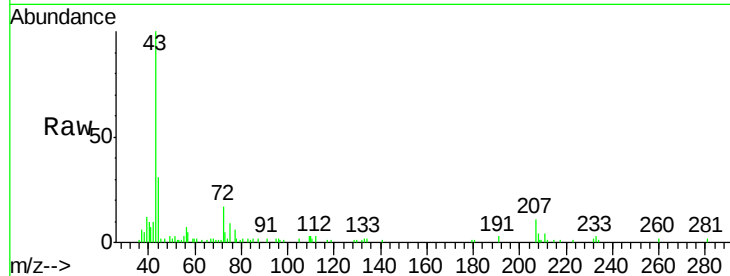
Ion Ratio Lower Upper

43 100

72 17.1 15.8 23.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.244 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062278.D

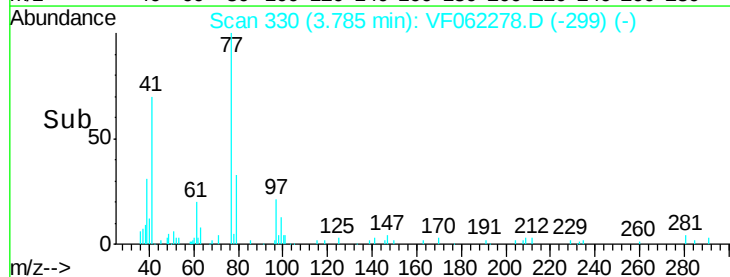
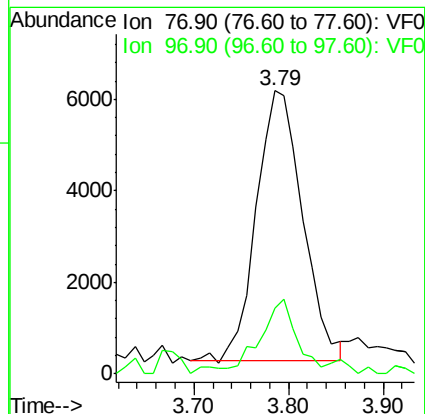
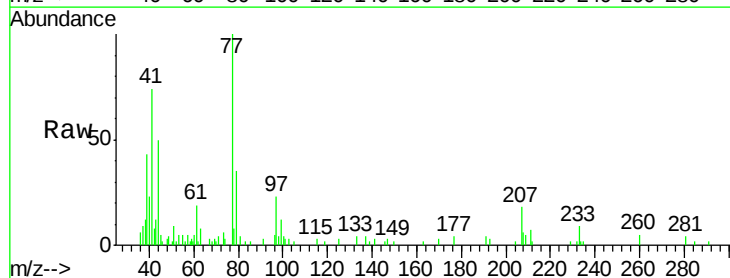
Acq: 24 Apr 2019 13:48

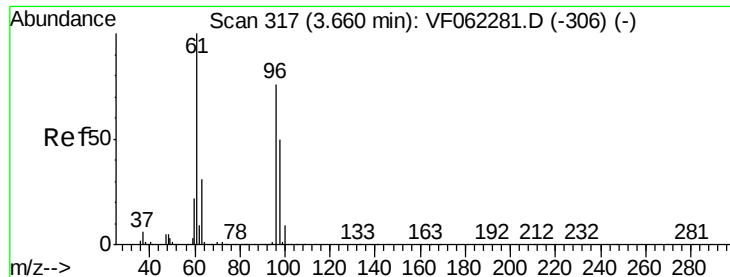
Tgt Ion: 77 Resp: 20001

Ion Ratio Lower Upper

77 100

97 18.4 10.3 30.8





#27

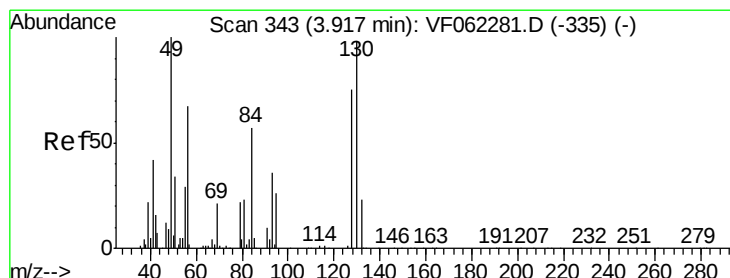
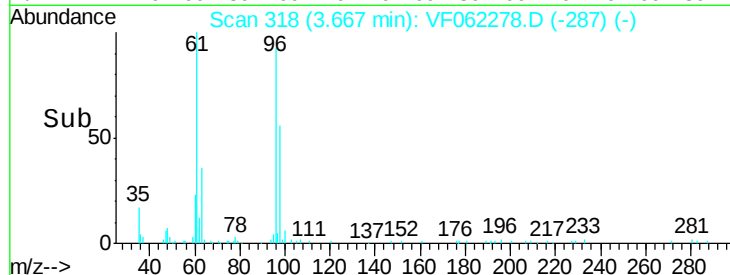
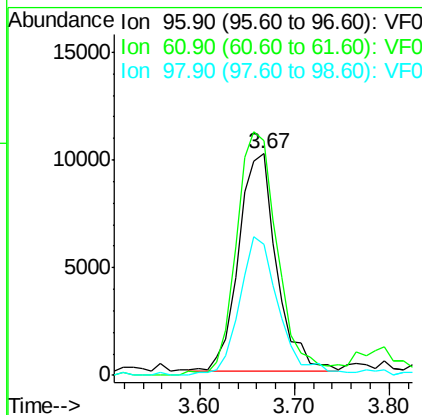
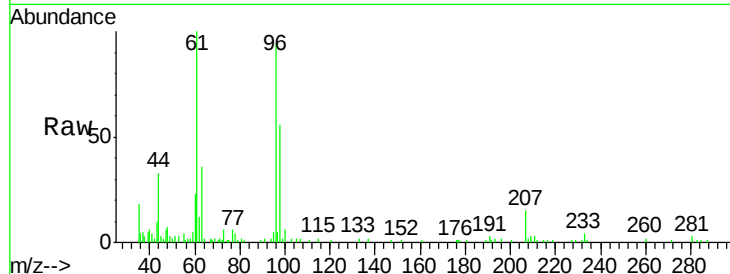
cis-1,2-Dichloroethene
Concen: 5.039 ug/l
RT: 3.67 min Scan# 318
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100	28086		
61	121.8		0.0	257.6
98	66.3		0.0	137.4

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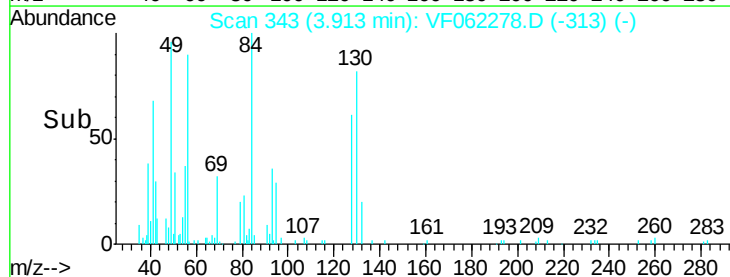
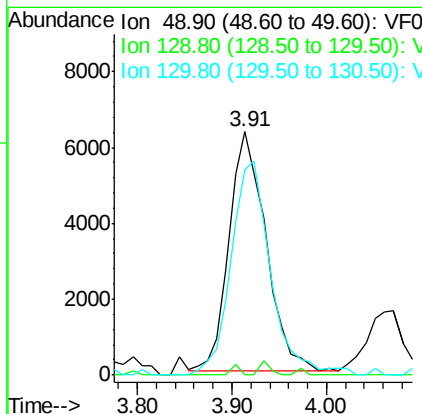
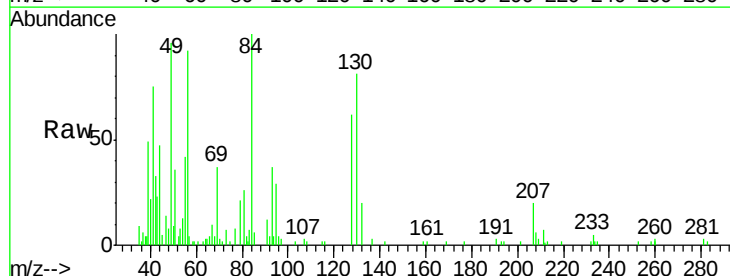
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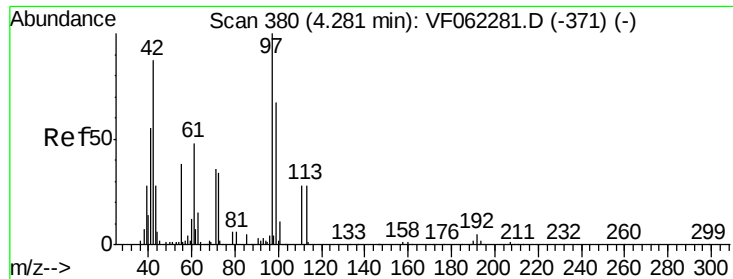


#28

Bromochloromethane
Concen: 5.356 ug/l
RT: 3.91 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17103		
129	1.7		0.0	0.0#
130	95.8		77.0	115.4





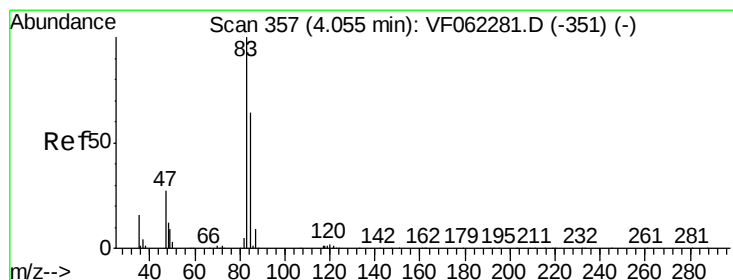
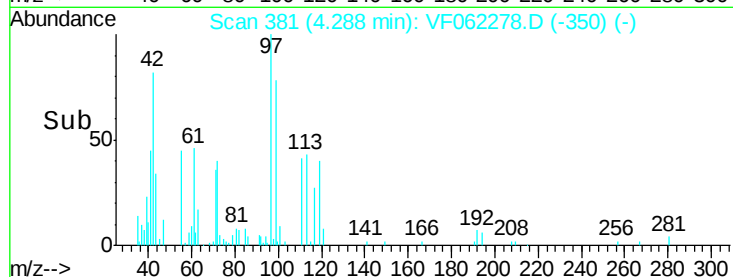
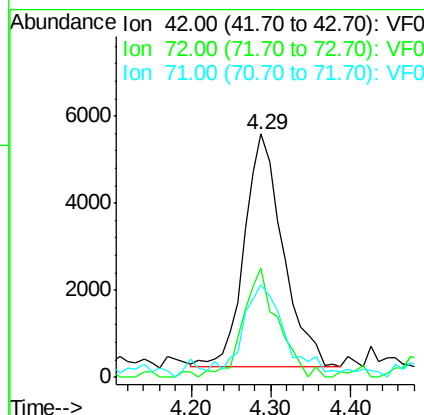
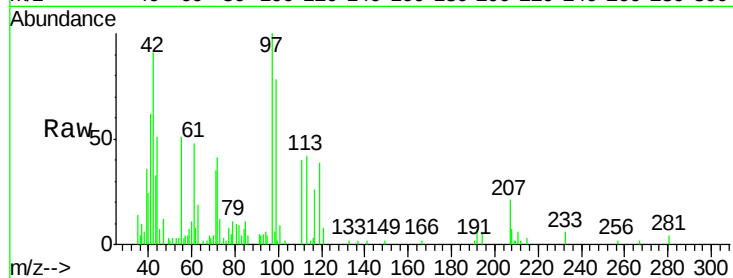
#29
Tetrahydrofuran
Concen: 27.735 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	29.3	43.9
71	39.8	31.2	46.8

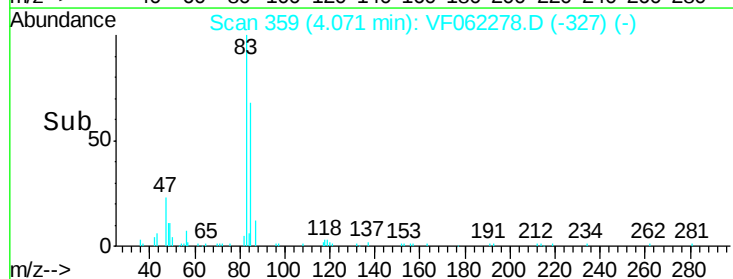
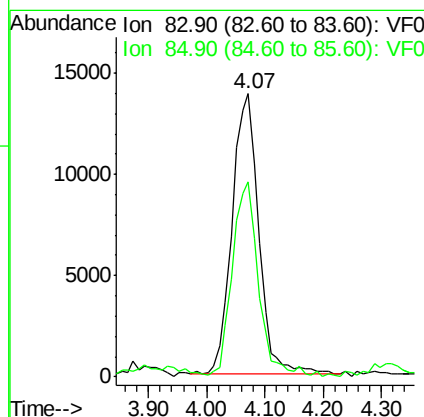
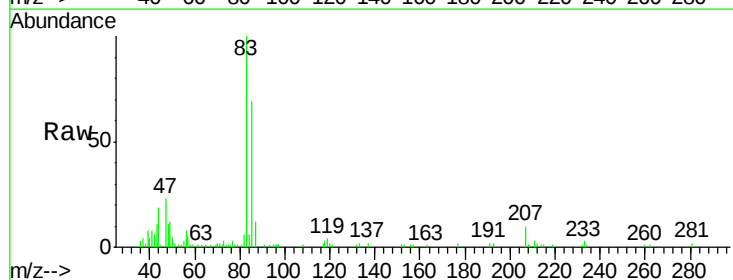
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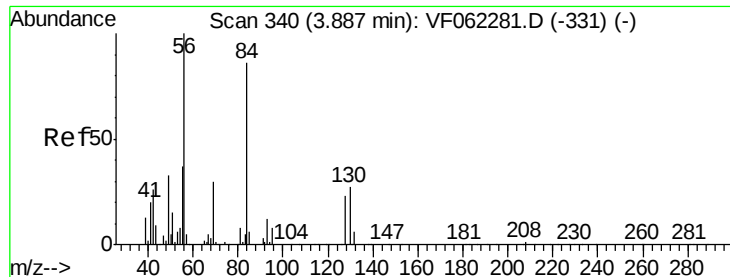
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#30
Chloroform
Concen: 4.869 ug/l
RT: 4.07 min Scan# 359
Delta R.T. 0.02 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	69.4	51.1	76.7





#31

Cyclohexane

Concen: 5.216 ug/l

RT: 3.88 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

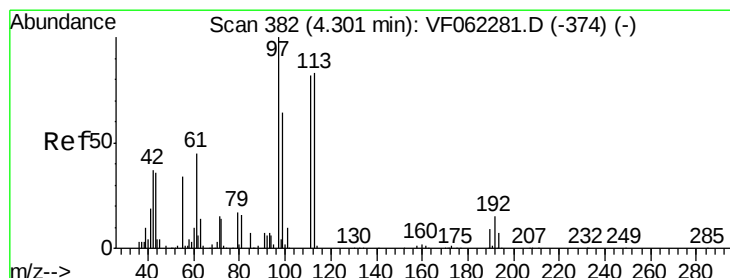
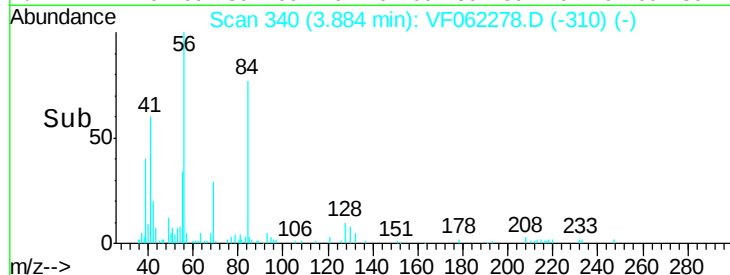
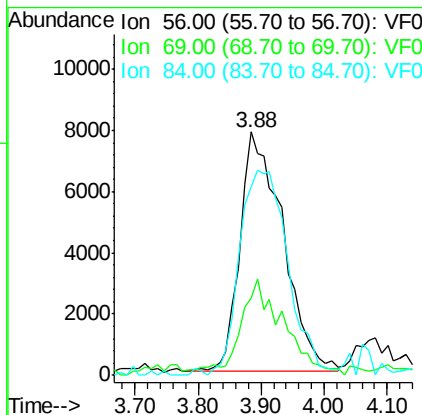
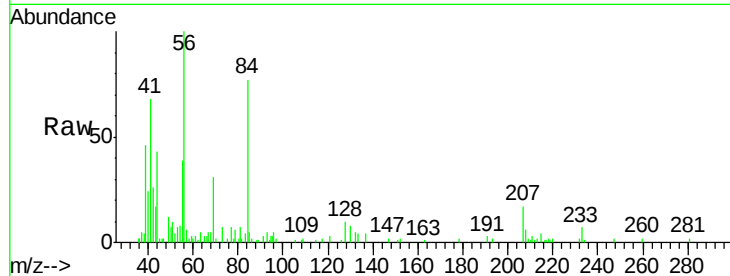
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	36844
Ion	Ratio	Lower	Upper
56	100		
69	29.6	24.3	36.5
84	78.8	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.810 ug/l

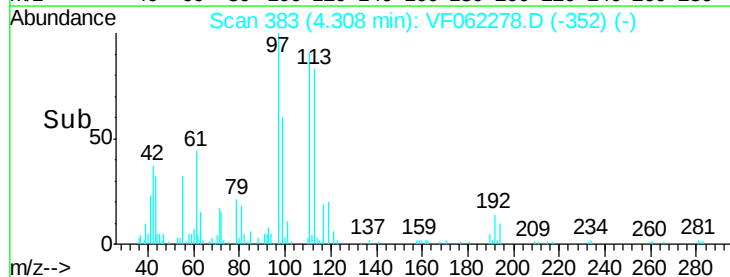
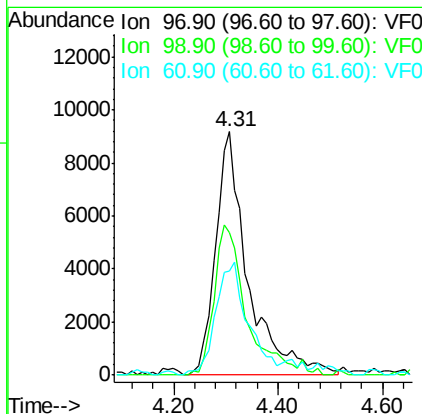
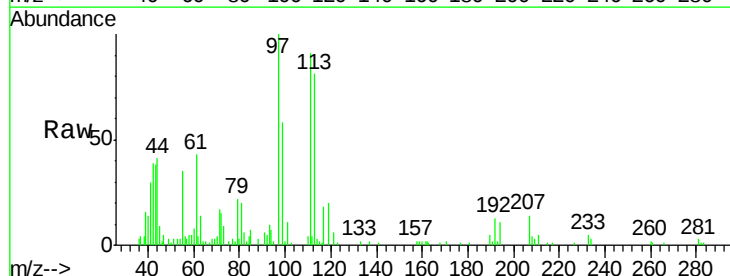
RT: 4.31 min Scan# 383

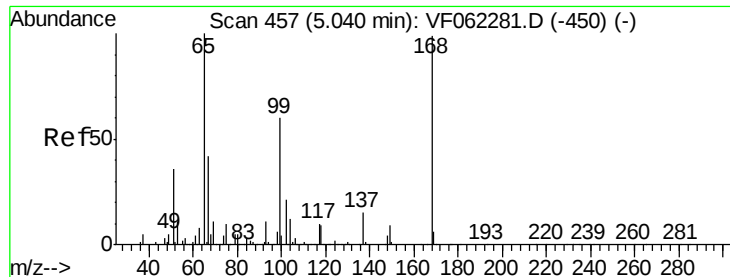
Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	97	Resp:	39409
Ion	Ratio	Lower	Upper
97	100		
99	60.1	41.6	62.4
61	45.4	31.6	47.4





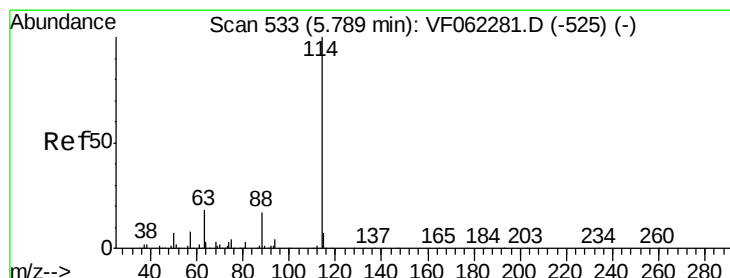
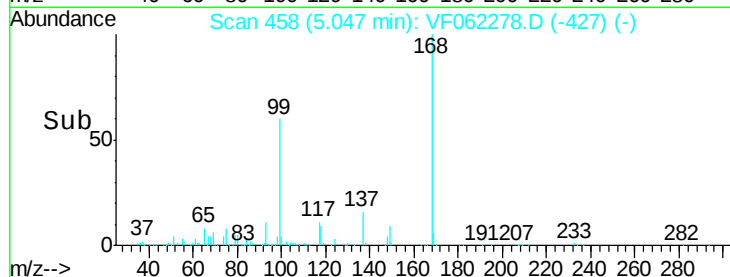
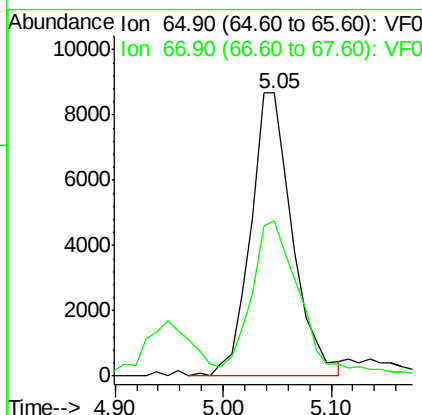
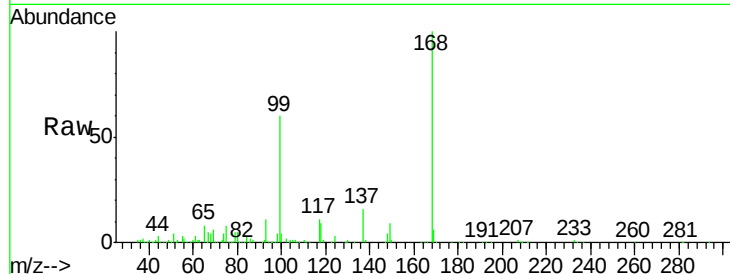
#33
 1,2-Dichloroethane-d4
 Concen: 5.622 ug/l
 RT: 5.05 min Scan# 458
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	23448		
67	64.5	0.0	98.8	

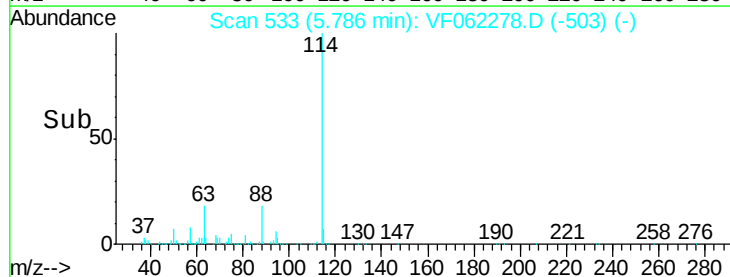
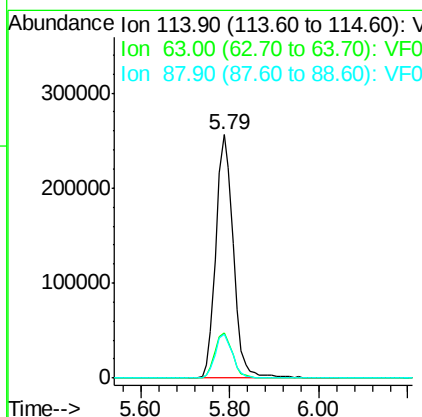
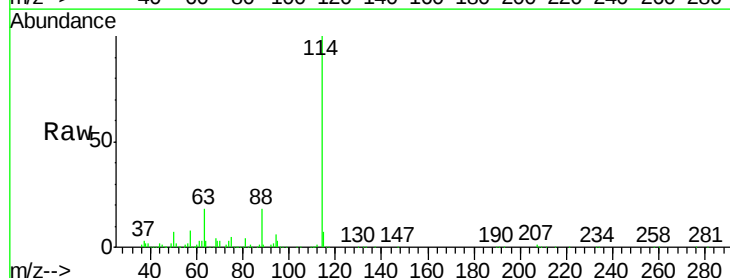
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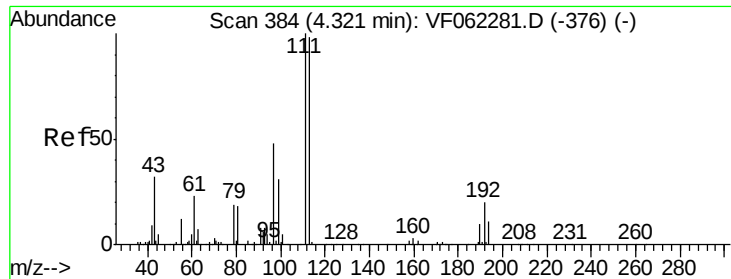
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	698938		
63	18.4	0.0	35.6	
88	18.1	0.0	34.6	





#35

Dibromofluoromethane

Concen: 5.554 ug/l

RT: 4.32 min Scan# 384

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

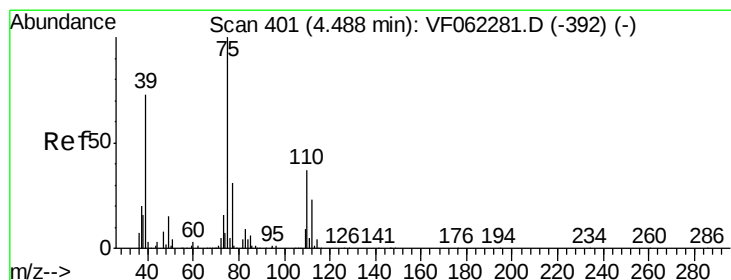
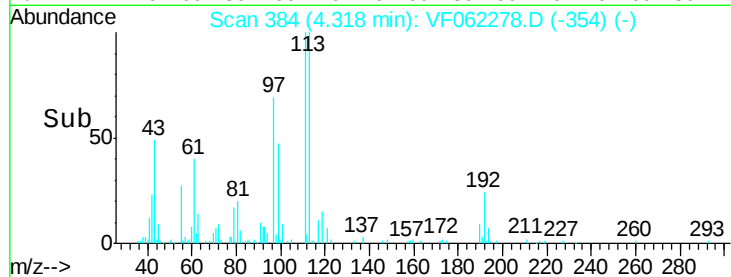
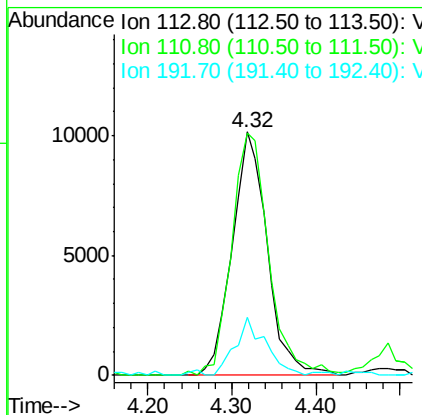
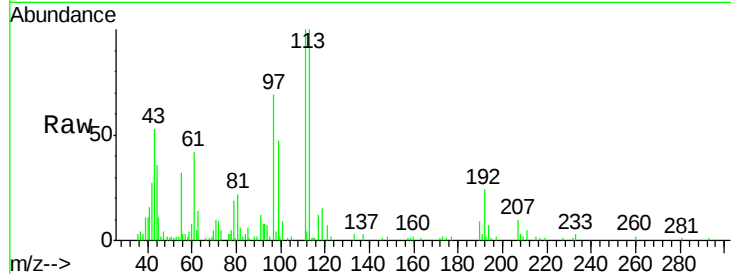
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	29541
Ion	Ratio	Lower	Upper
113	100		
111	105.7	81.4	122.2
192	20.5	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 5.311 ug/l

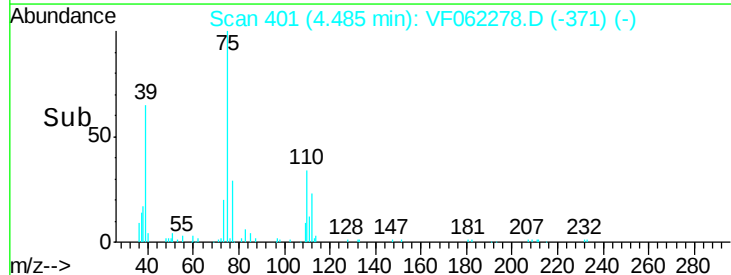
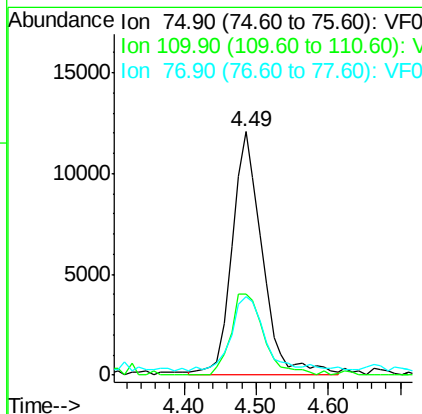
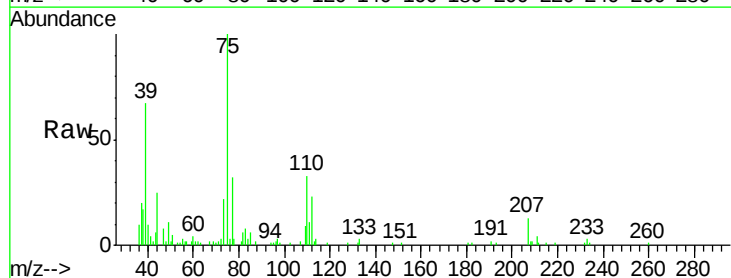
RT: 4.49 min Scan# 401

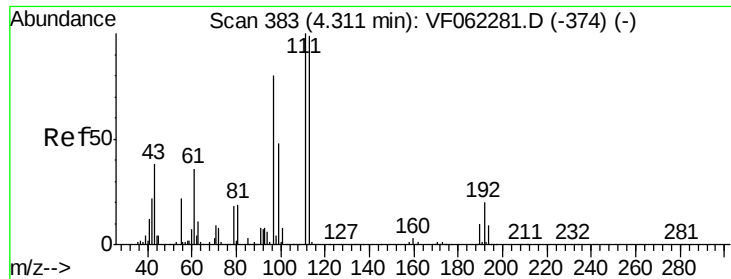
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	75	Resp:	35258
Ion	Ratio	Lower	Upper
75	100		
110	36.3	17.9	53.8
77	33.8	24.6	36.8





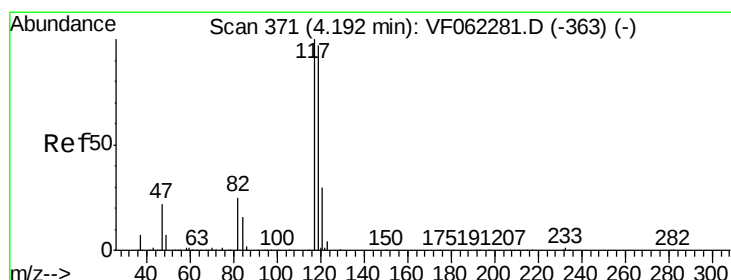
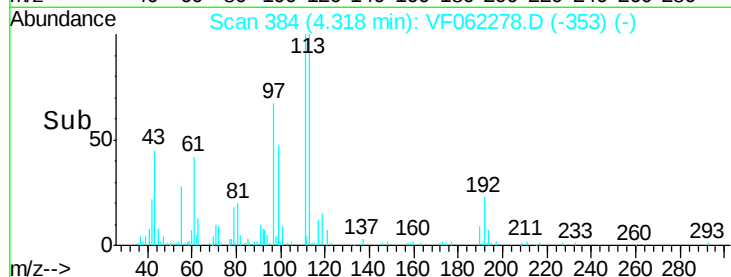
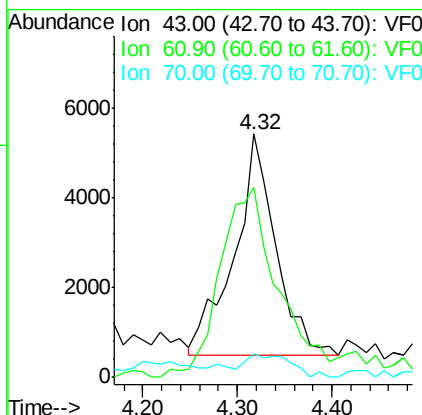
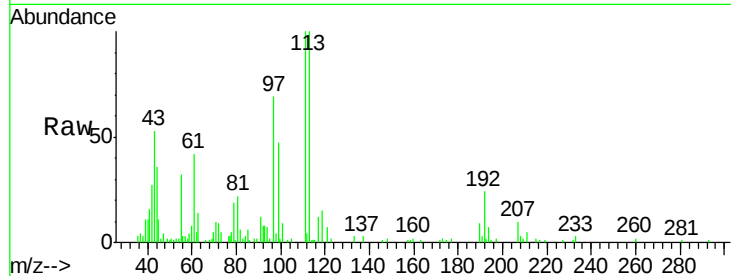
#37
Ethyl Acetate
Concen: 5.554 ug/l
RT: 4.32 min Scan# 384
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	118.3	85.8	128.6
70	11.4	7.3	10.9

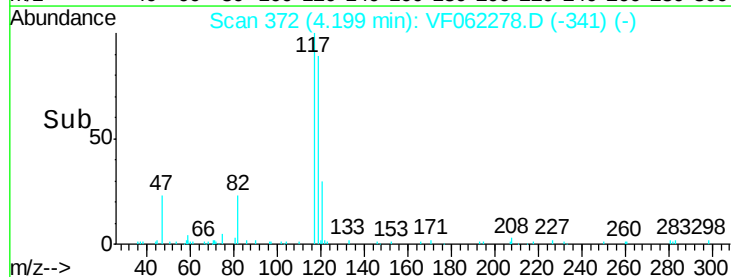
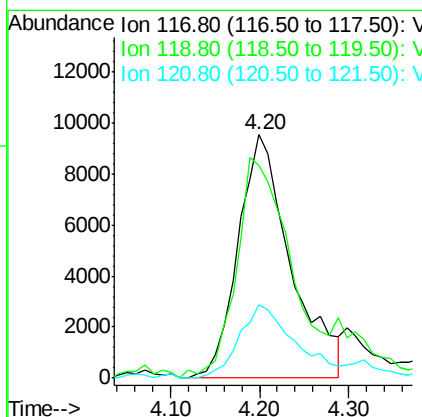
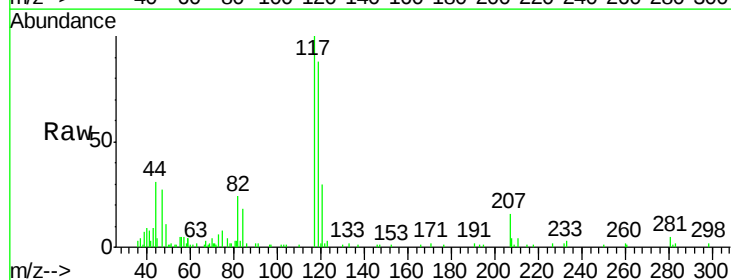
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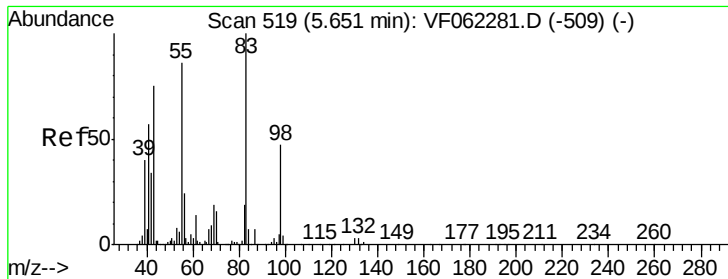
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#38
Carbon Tetrachloride
Concen: 6.051 ug/l
RT: 4.20 min Scan# 372
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.5	77.3	115.9
121	30.1	24.3	36.5





#39

Methvlcvclohexane

Concen: 5.351 ug/l

RT: 5.65 min Scan# 519

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

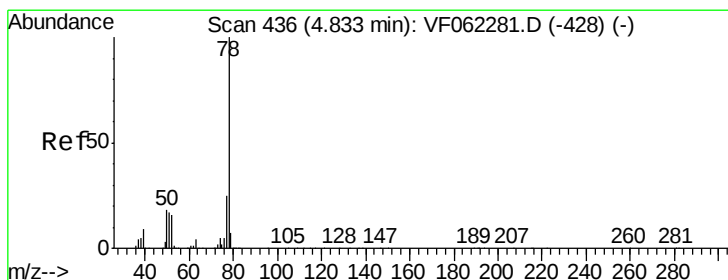
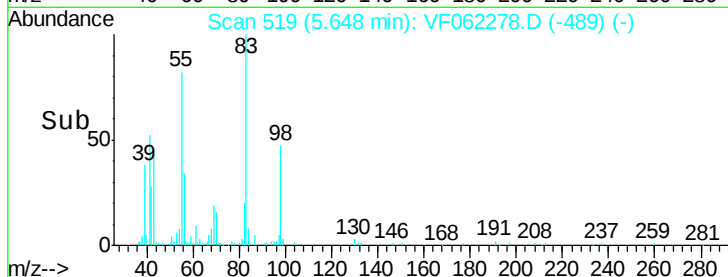
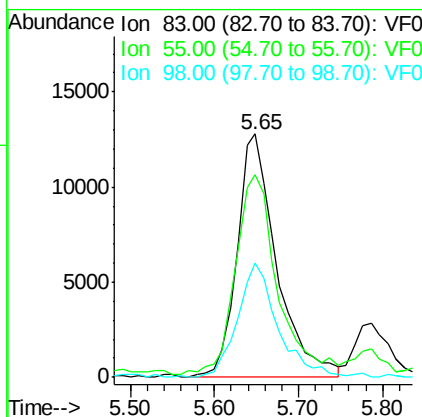
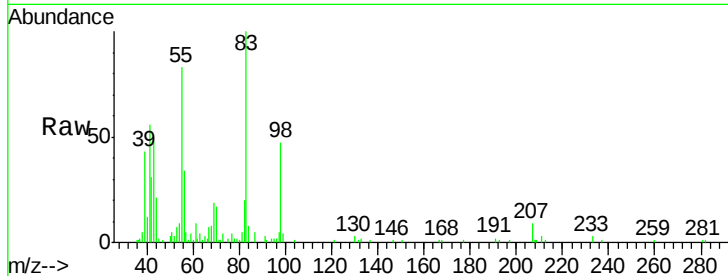
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	41862
Ion	Ratio	Lower	Upper
83	100		
55	80.6	68.7	103.1
98	46.8	37.4	56.2

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#40

Benzene

Concen: 5.313 ug/l

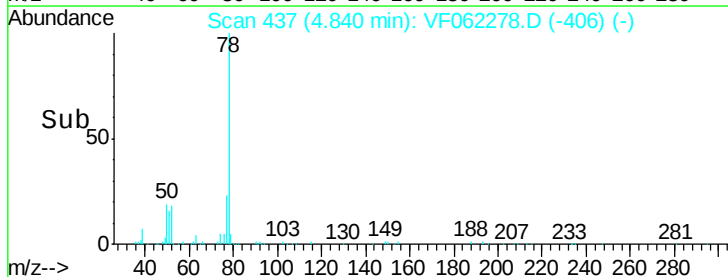
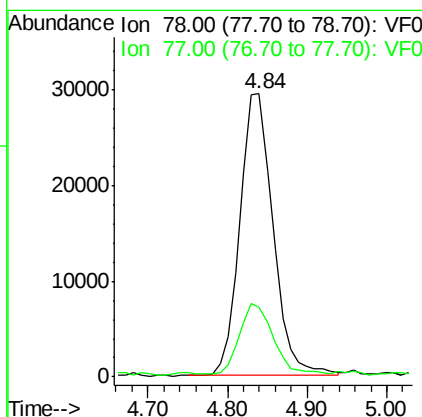
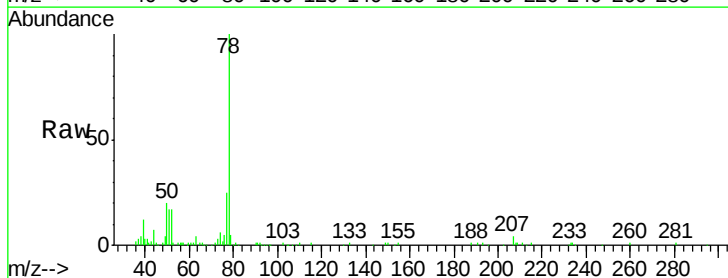
RT: 4.84 min Scan# 437

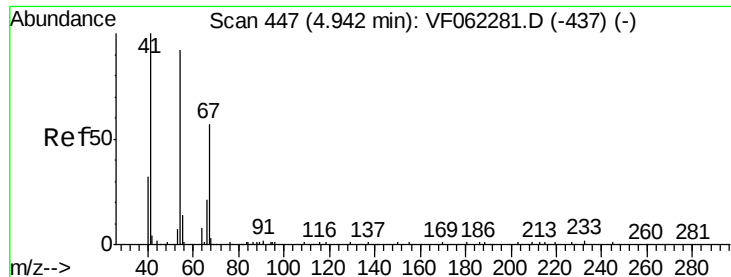
Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	78	Resp:	85065
Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.7	29.5





#41

Methacrylonitrile

Concen: 5.236 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

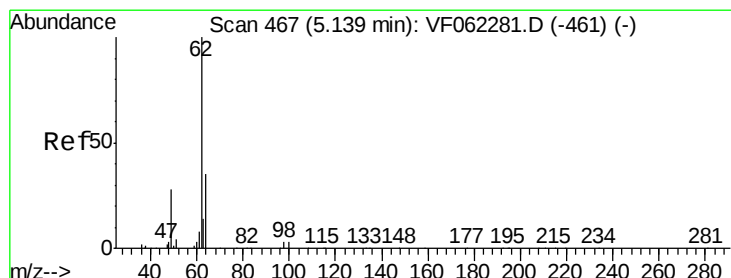
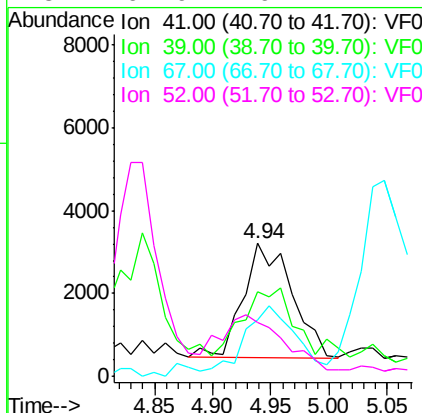
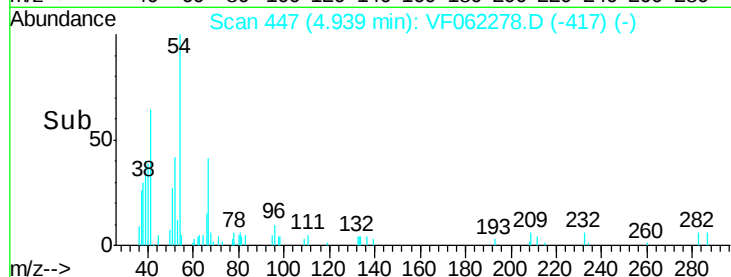
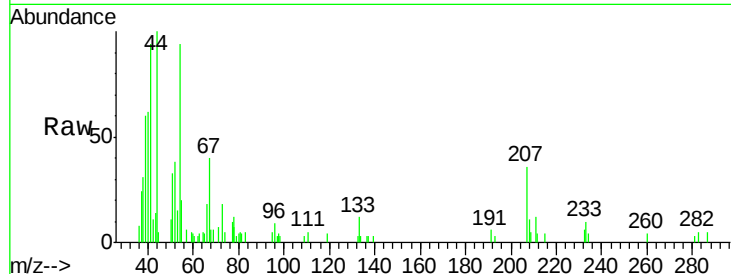
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	47.3	70.9#
67	0.0	41.3	61.9#
52	64.9	49.4	74.2

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#42

1,2-Dichloroethane

Concen: 5.067 ug/l

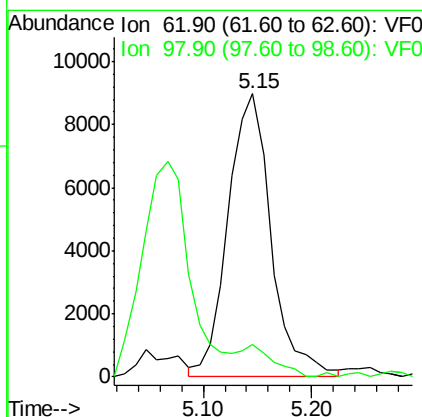
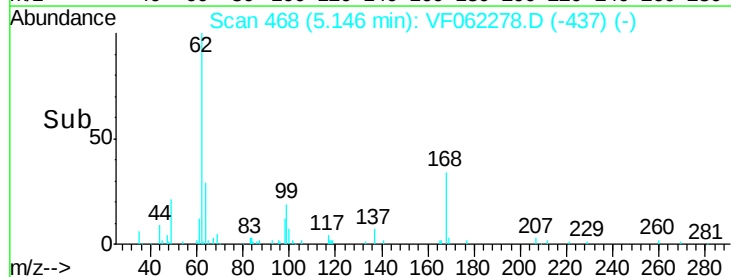
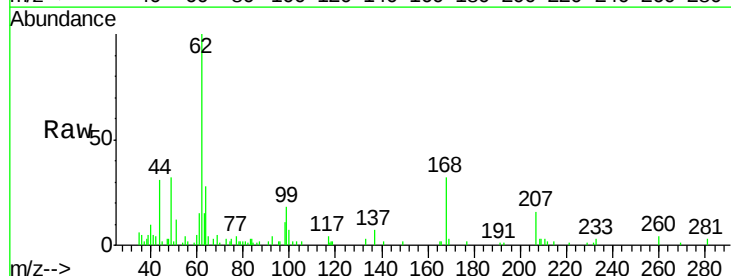
RT: 5.15 min Scan# 468

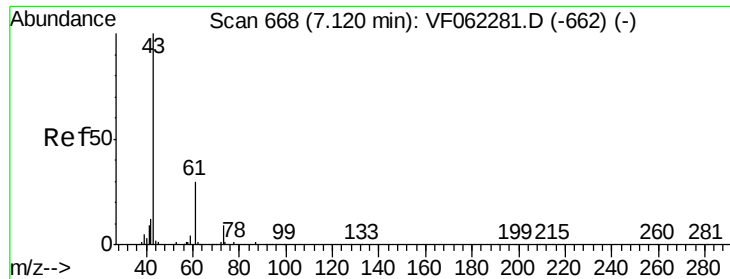
Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	16.8





#43

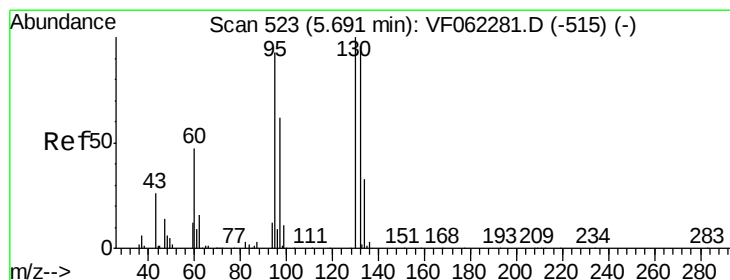
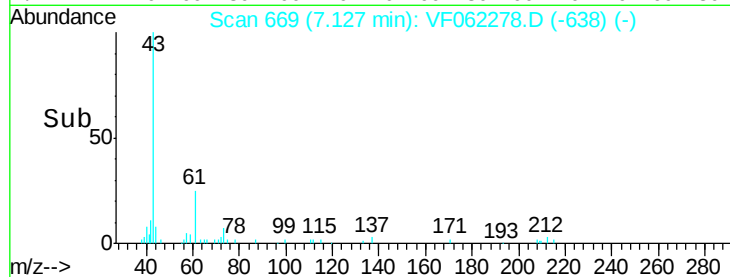
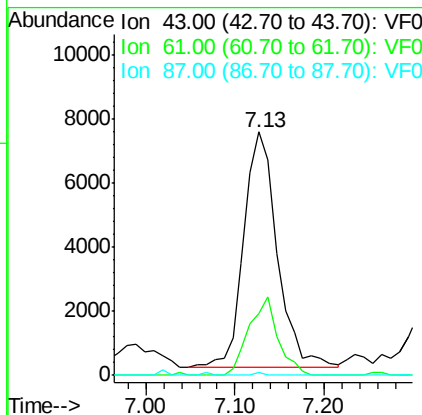
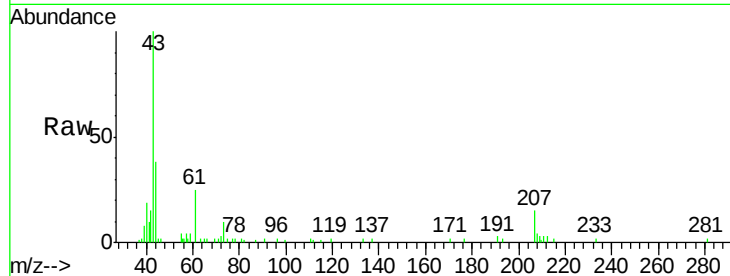
Isopropyl Acetate
 Concen: 6.636 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.8	35.6
87	0.3	0.5	0.7#

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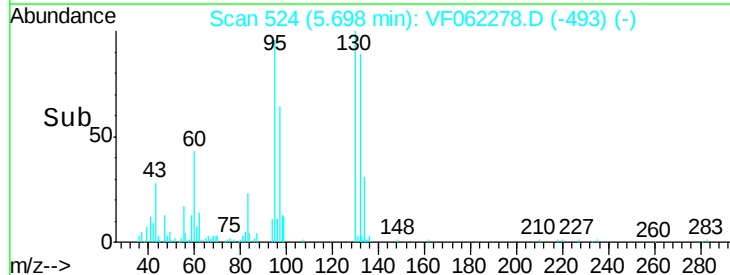
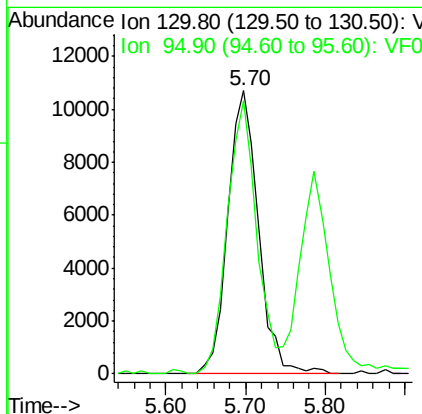
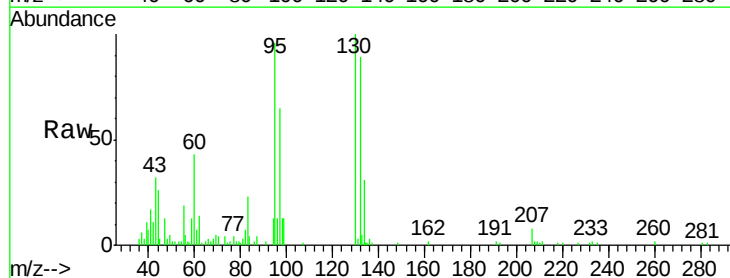
MMDadoda
 4/26/2019 9:20:58 AM

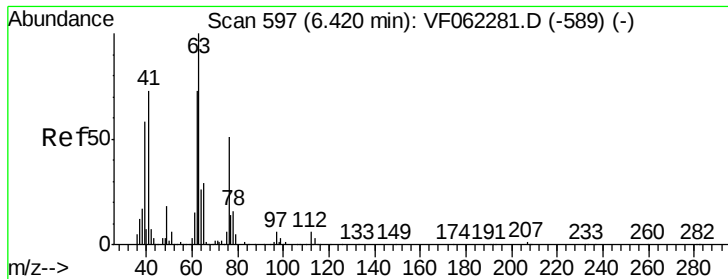


#44

Trichloroethene
 Concen: 5.322 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	186.4





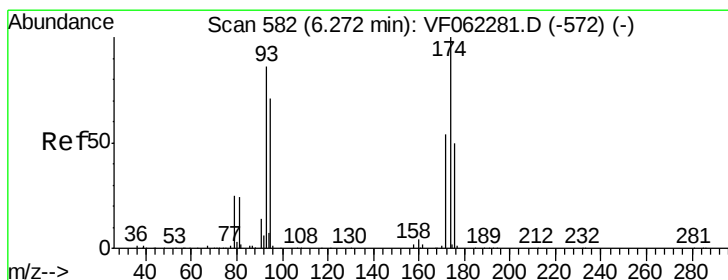
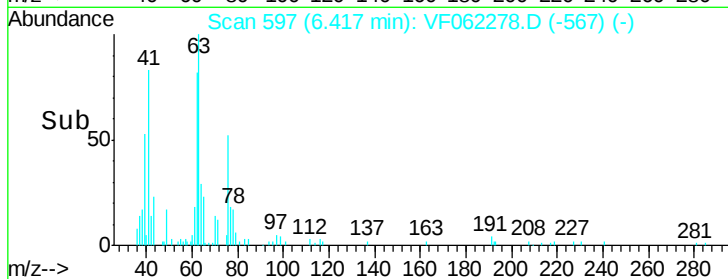
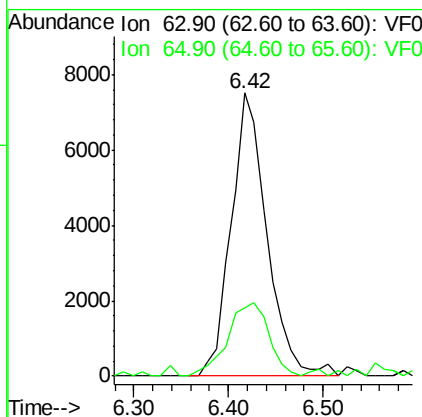
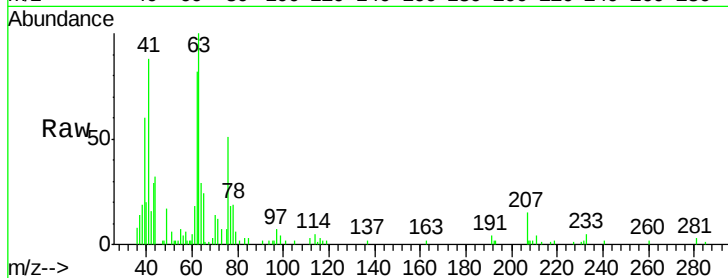
#45
 1,2-Dichloropropane
 Concen: 5.583 ug/l
 RT: 6.42 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	24.1	23.5	35.3

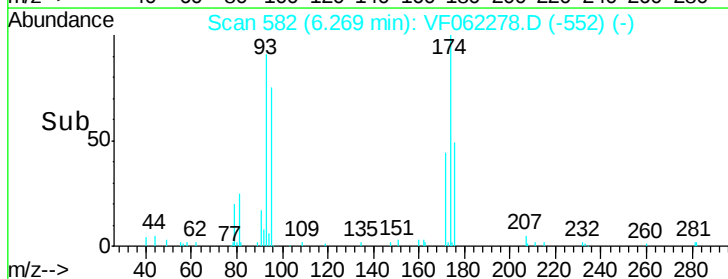
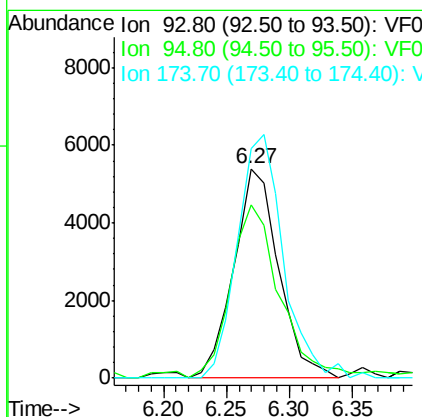
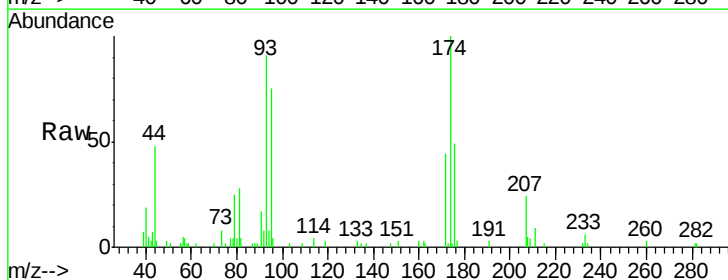
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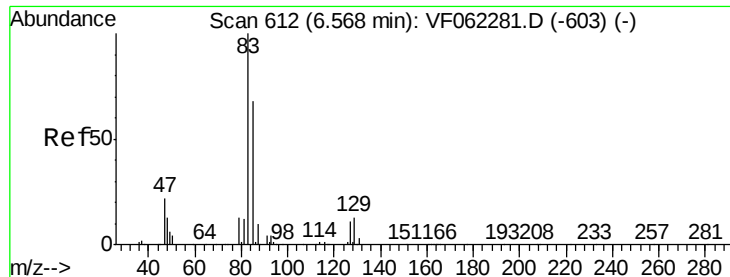
MMDadoda
 4/26/2019 9:20:58 AM



#46
 Dibromomethane
 Concen: 5.230 ug/l
 RT: 6.27 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	92.0	66.2	99.4
174	119.2	94.9	142.3





#47

Bromodichloromethane

Concen: 5.553 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

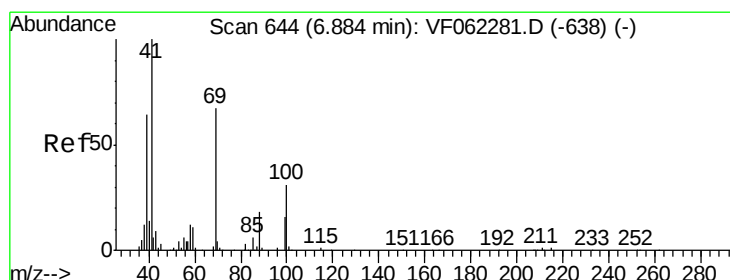
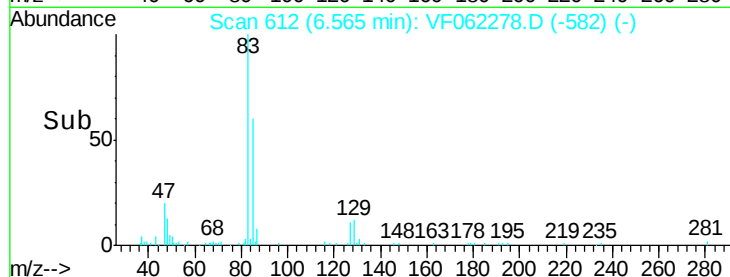
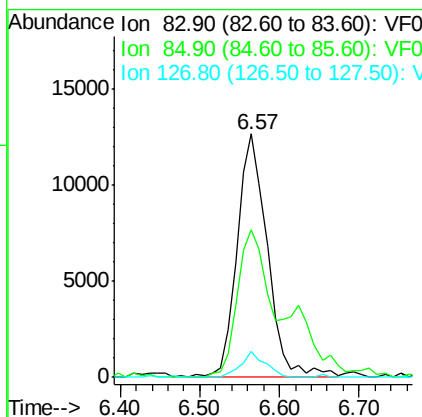
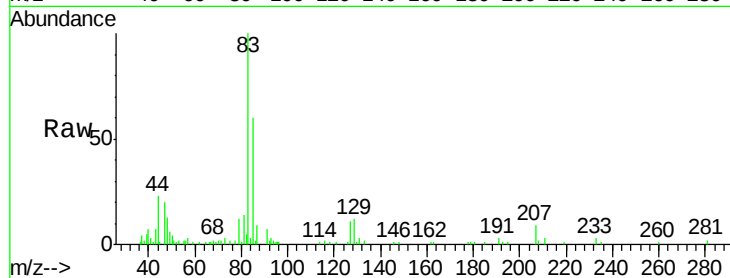
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	33399
Ion	Ratio	Lower	Upper
83	100		
85	60.4	54.6	81.8
127	10.9	8.7	13.1

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MMDadoda
4/26/2019 9:20:58 AM



#48

Methyl methacrylate

Concen: 5.857 ug/l

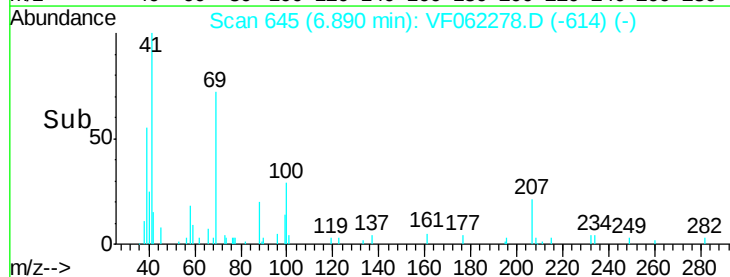
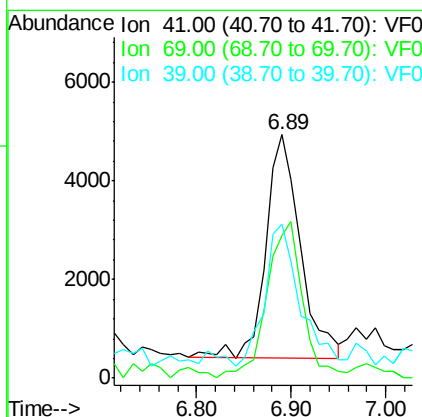
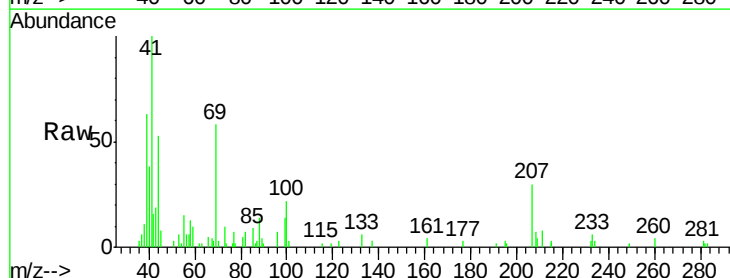
RT: 6.89 min Scan# 645

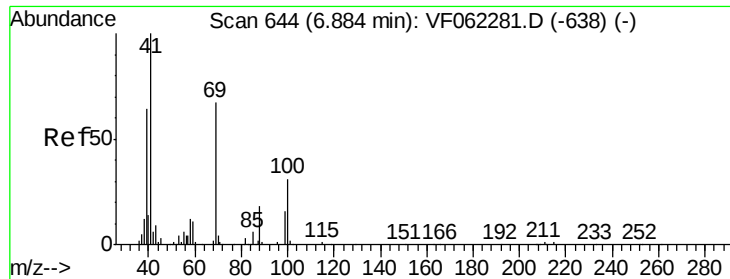
Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	41	Resp:	11554
Ion	Ratio	Lower	Upper
41	100		
69	72.4	53.4	80.2
39	64.6	50.9	76.3





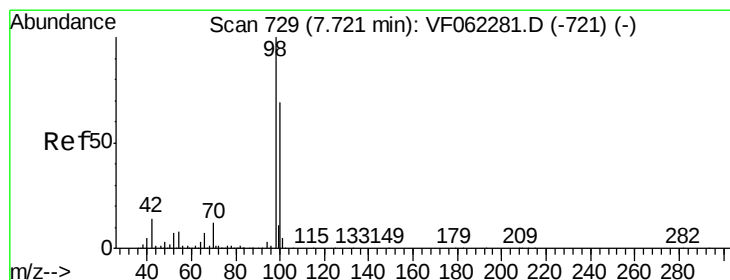
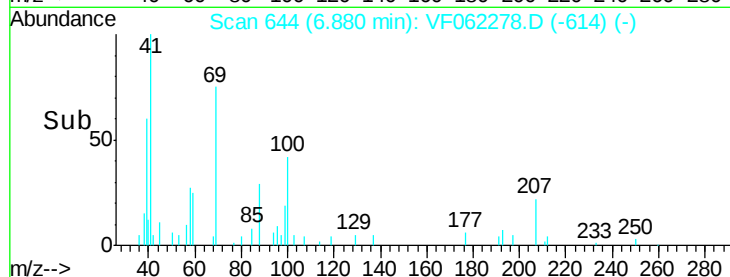
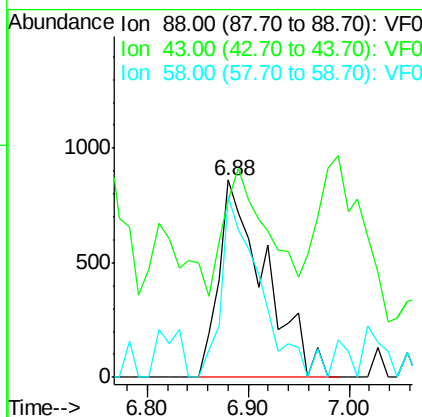
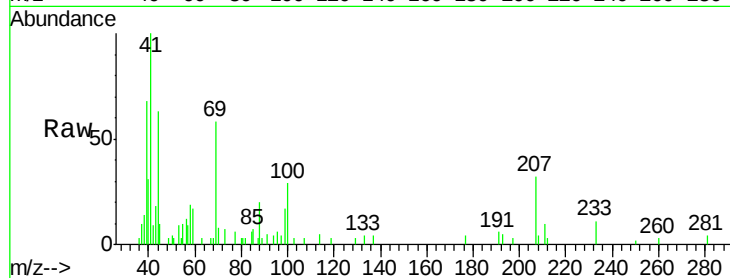
#49
1,4-Dioxane
Concen: 121.232 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	58.9	34.2	51.4#
58	75.0	50.7	76.1

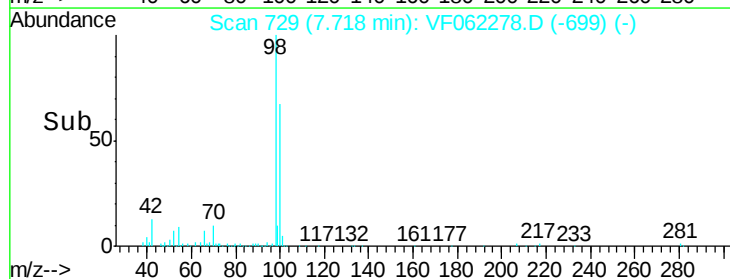
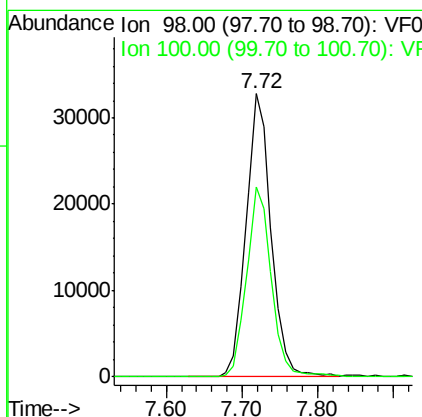
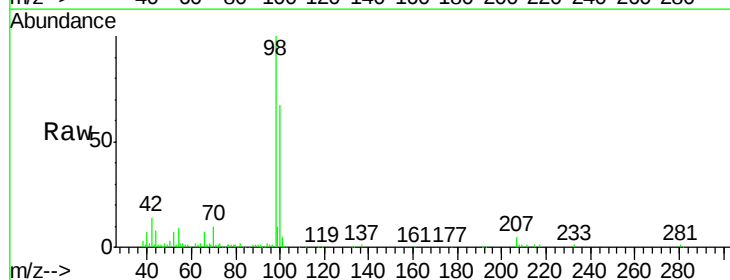
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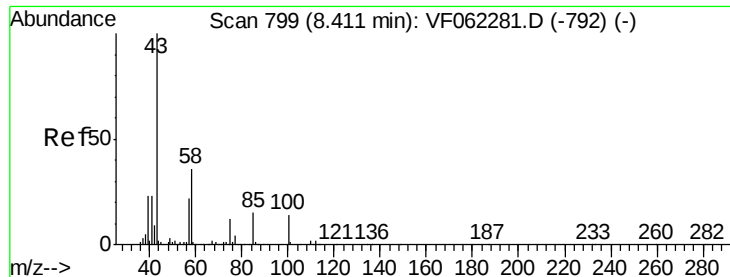
MMDadoda
4/26/2019 9:20:58 AM



#50
Toluene-d8
Concen: 5.948 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 29.563 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 65029

Ion Ratio Lower Upper

43 100

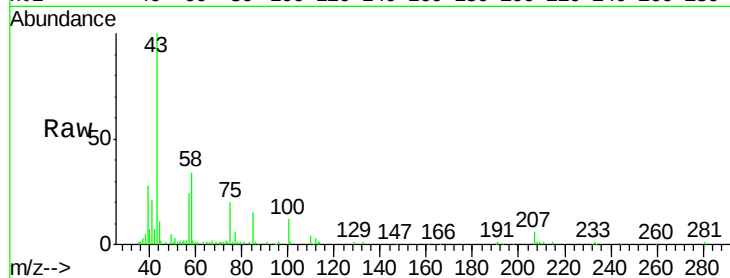
58 35.1 29.1 43.7

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.42

30000

25000

20000

15000

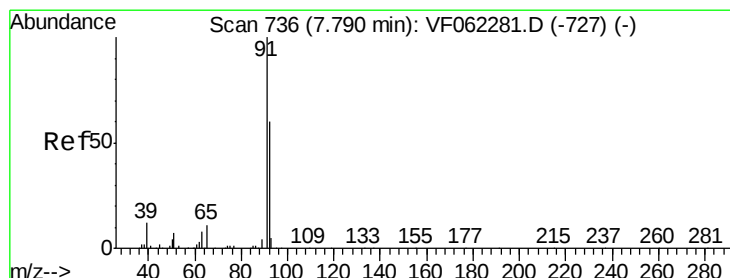
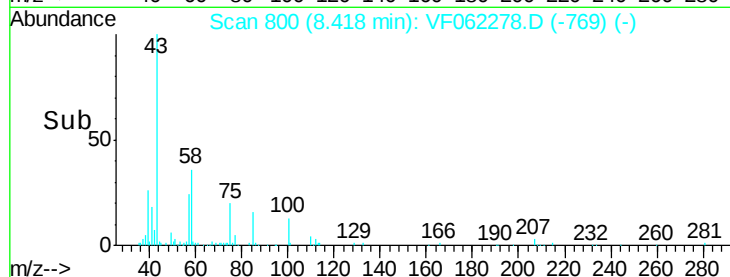
10000

5000

0

8.30 8.40 8.50 8.60

Time-->



#52

Toluene

Concen: 5.664 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062278.D

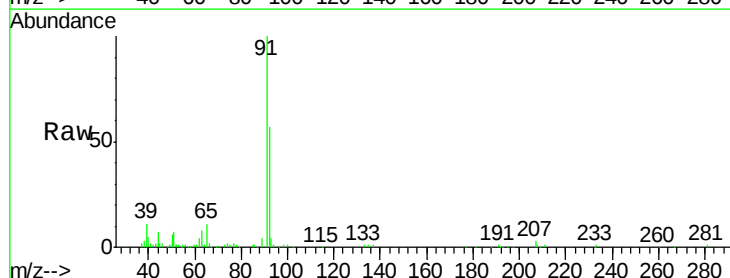
Acq: 24 Apr 2019 13:48

Tgt Ion: 92 Resp: 52013

Ion Ratio Lower Upper

92 100

91 171.8 132.5 198.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

40000

30000

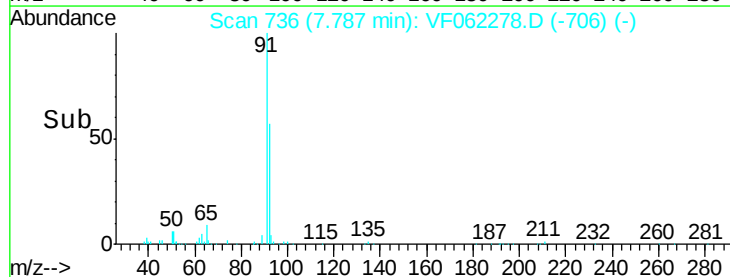
20000

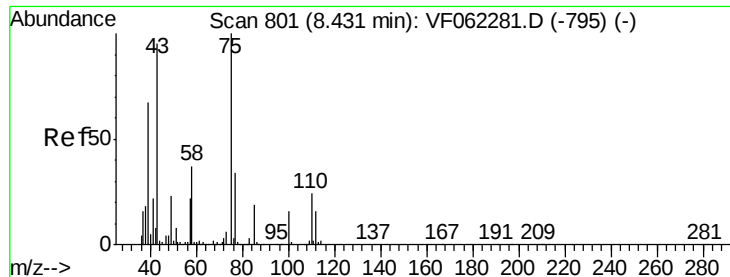
10000

0

7.70 7.80 7.90

Time-->





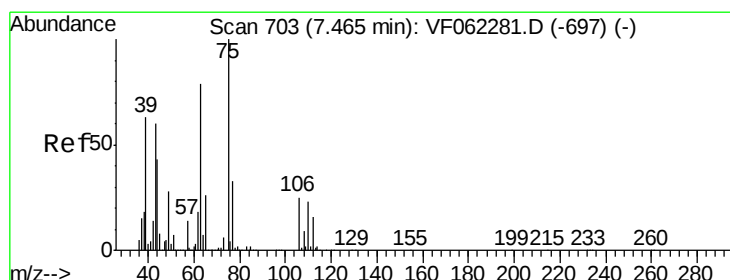
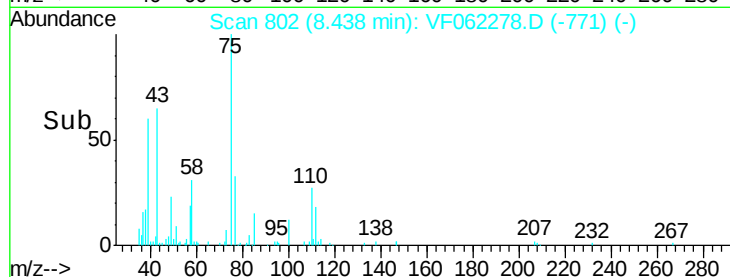
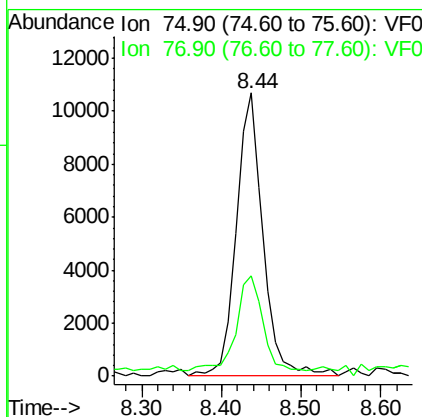
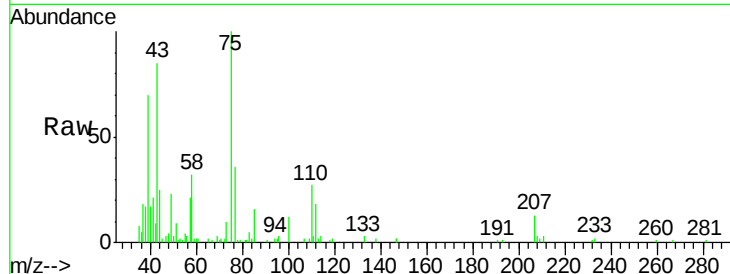
#53
t-1,3-Dichloropropene
Concen: 5.682 ug/l
RT: 8.44 min Scan# 802
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 24889
Ion Ratio Lower Upper
75 100
77 33.6 26.9 40.3

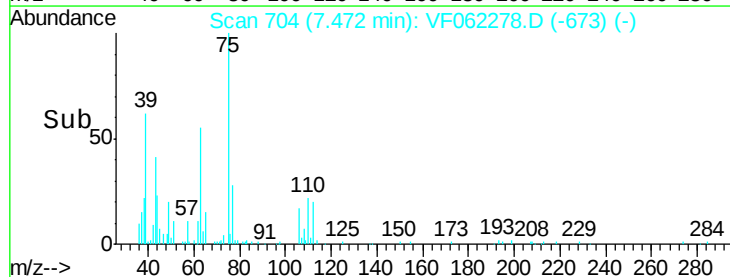
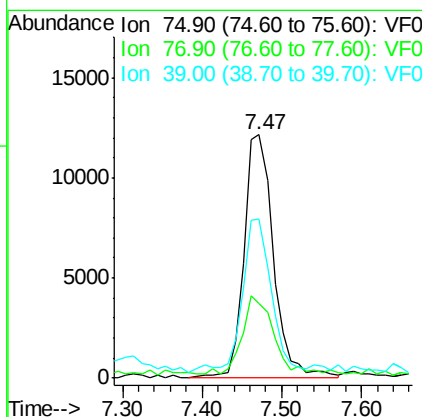
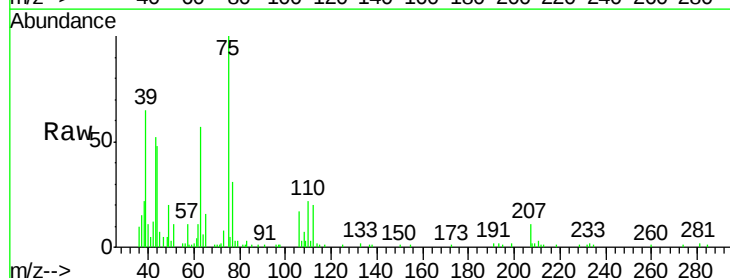
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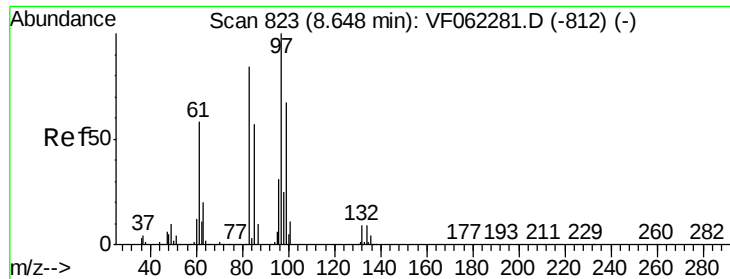
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 5.428 ug/l
RT: 7.47 min Scan# 704
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 75 Resp: 30877
Ion Ratio Lower Upper
75 100
77 28.4 26.5 39.7
39 63.0 50.2 75.2





#55

1,1,2-Trichloroethane

Concen: 5.137 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

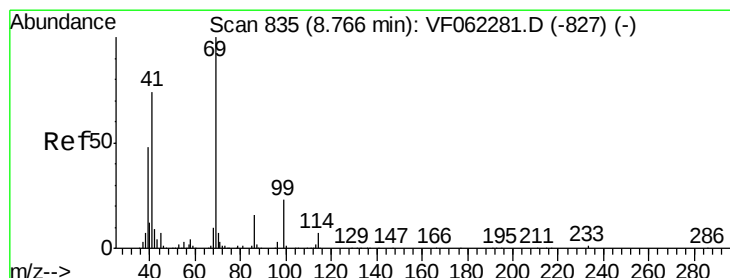
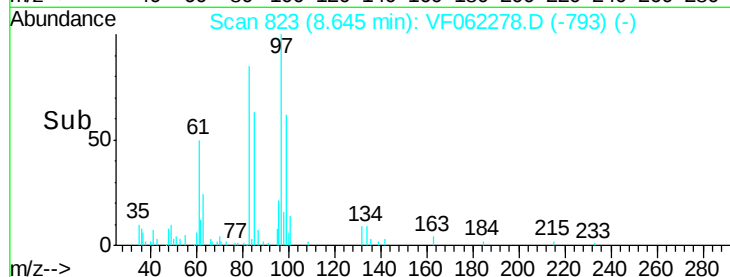
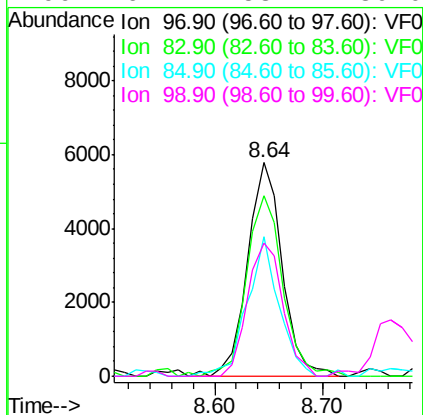
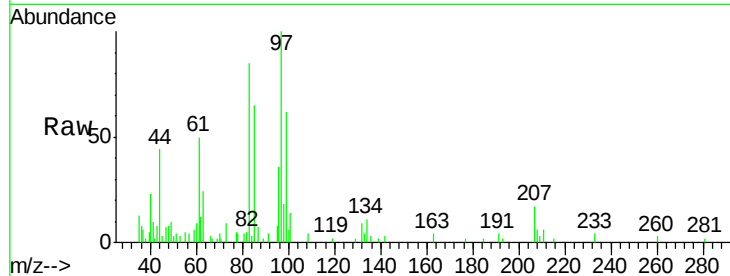
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	12895
Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.5	101.3
85	65.2	45.3	67.9
99	62.4	53.4	80.0

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#56

Ethyl methacrylate

Concen: 6.377 ug/l

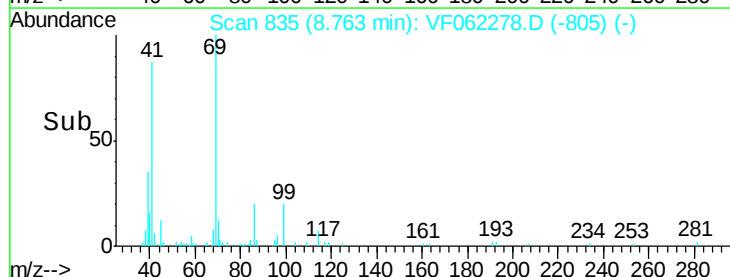
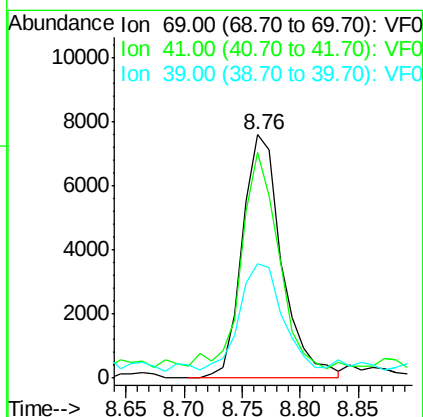
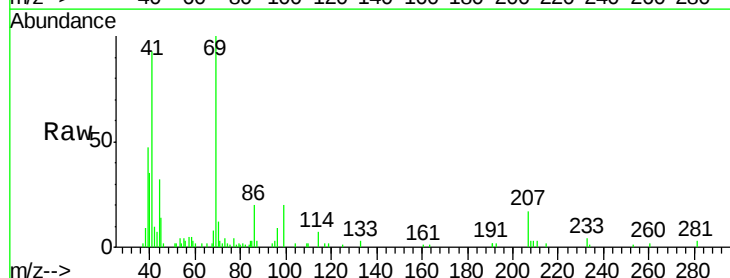
RT: 8.76 min Scan# 835

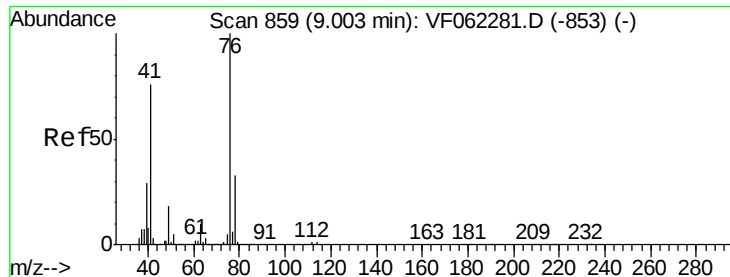
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	69	Resp:	17893
Ion	Ratio	Lower	Upper
69	100		
41	84.8	61.5	92.3
39	46.7	37.9	56.9





#57

1,3-Dichloropropane

Concen: 5.689 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 22456

Ion Ratio Lower Upper

76 100

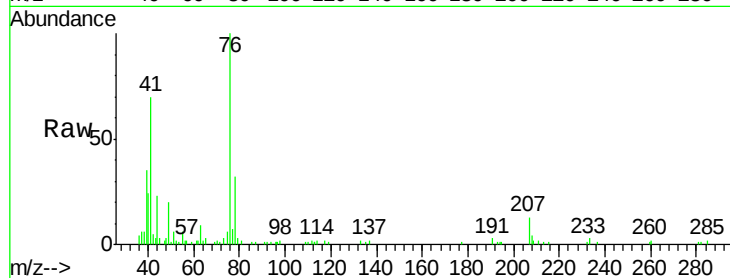
78 42.6 27.0 40.6#

Manual Integrations

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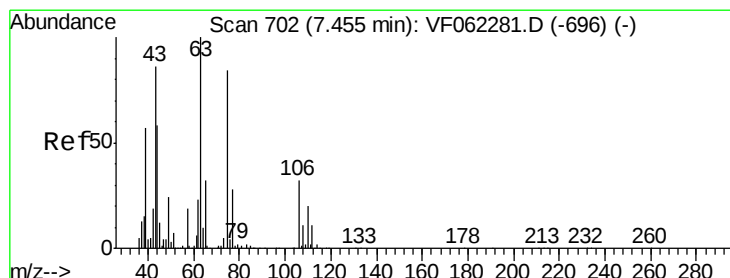
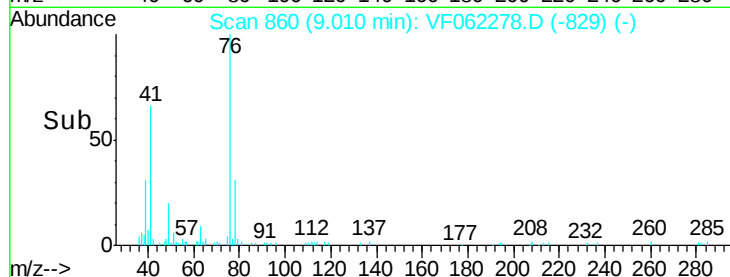
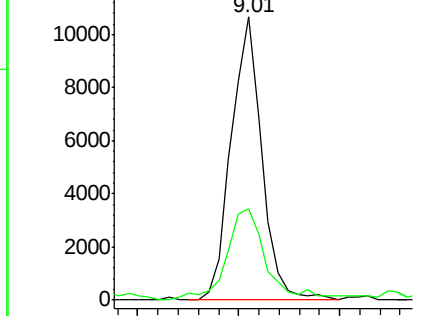
MMDadoda

4/26/2019 9:20:58 AM



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 24.452 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062278.D

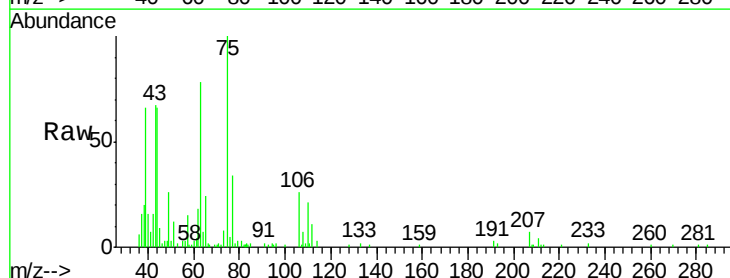
Acq: 24 Apr 2019 13:48

Tgt Ion: 63 Resp: 21196

Ion Ratio Lower Upper

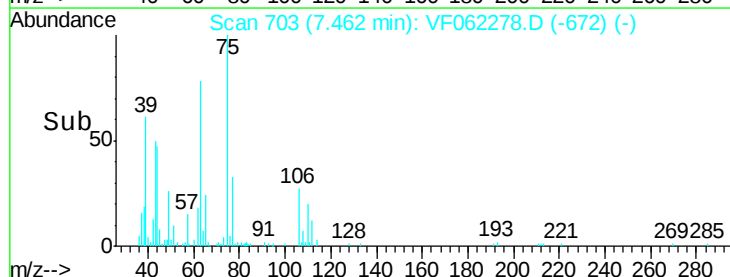
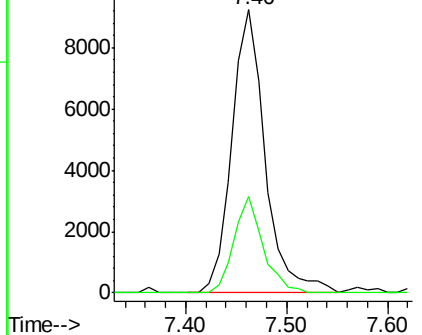
63 100

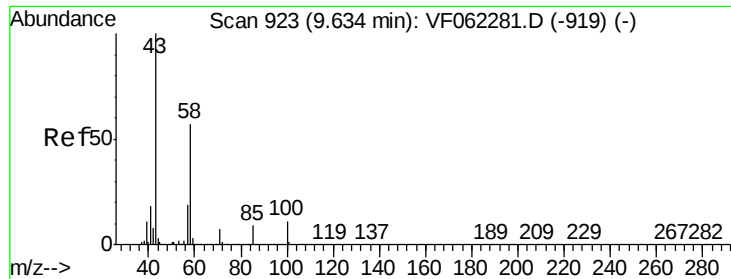
106 29.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V





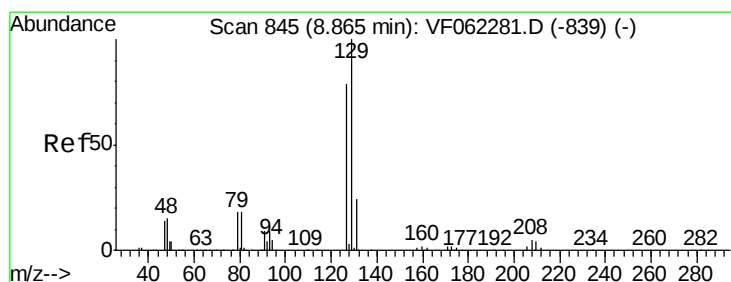
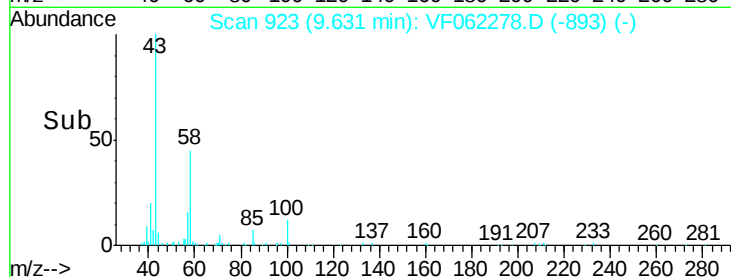
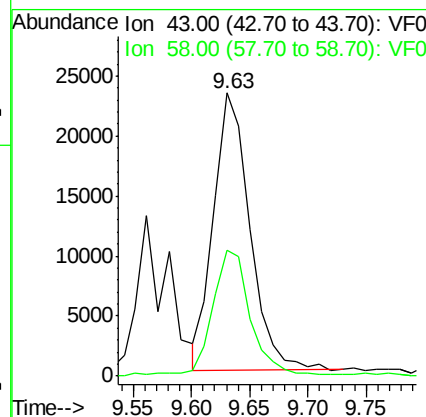
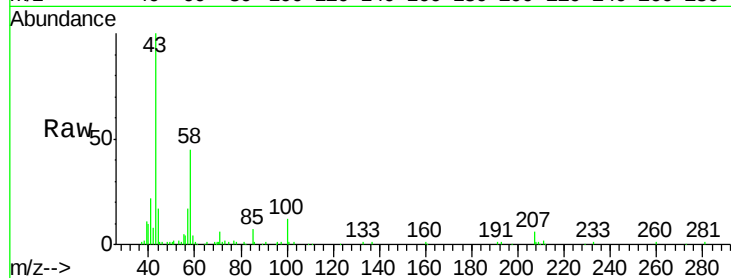
#59
2-Hexanone
Concen: 23.423 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 50244
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.7

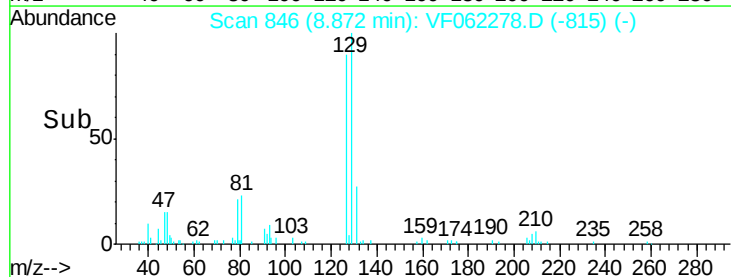
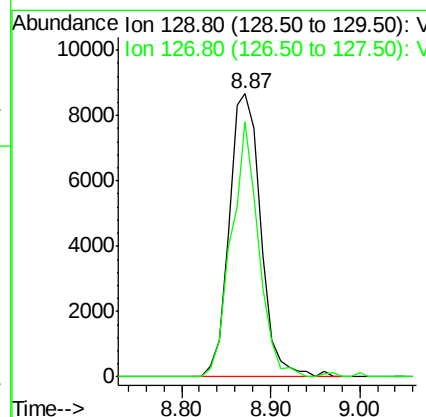
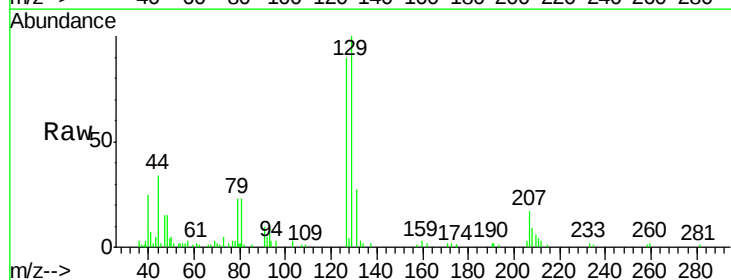
Manual Integrations
APPROVED

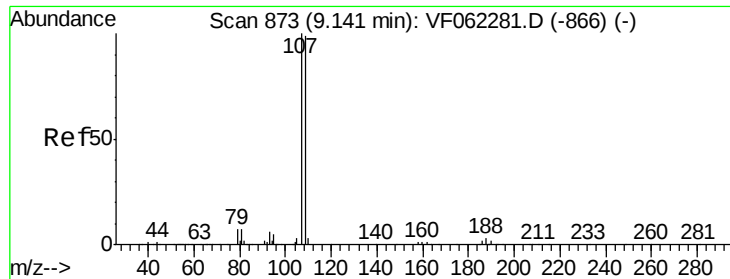
MMDadoda
4/26/2019 9:20:58 AM



#60
Dibromochloromethane
Concen: 5.349 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion: 129 Resp: 21633
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.4





#61

1,2-Dibromoethane

Concen: 5.639 ug/l

RT: 9.15 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 16494

Ion Ratio Lower Upper

107 100

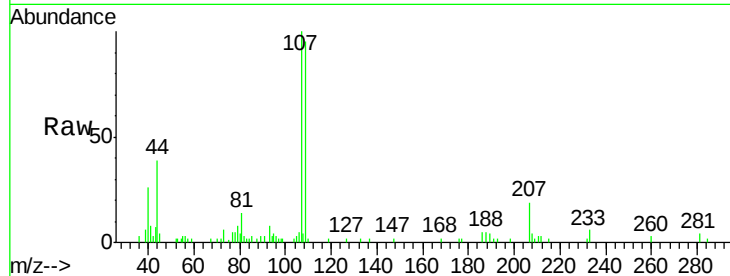
109 96.8 78.7 118.1

Manual Integrations

APPROVED

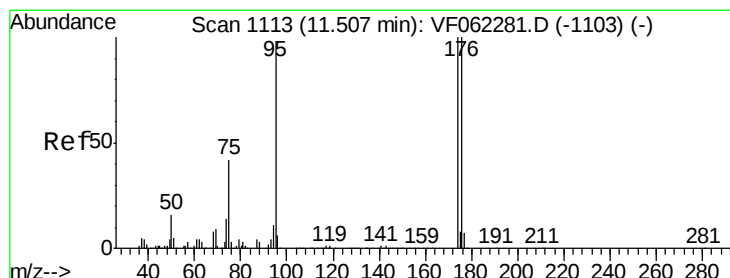
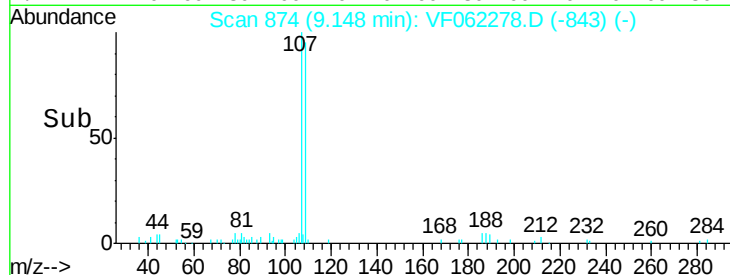
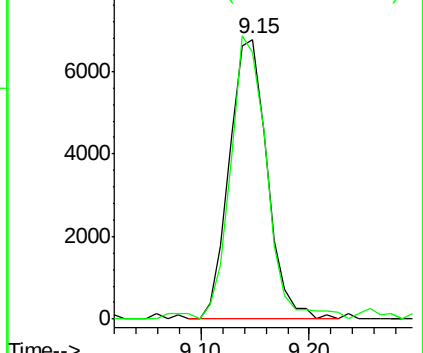
MMDadoda

4/26/2019 9:20:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 6.238 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

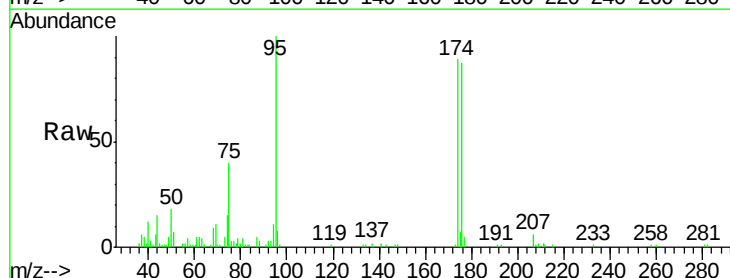
Tgt Ion: 95 Resp: 33396

Ion Ratio Lower Upper

95 100

174 86.8 0.0 185.2

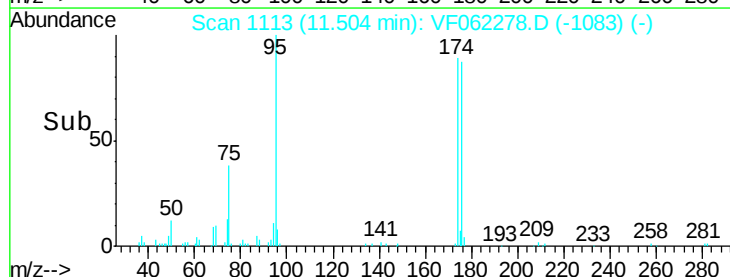
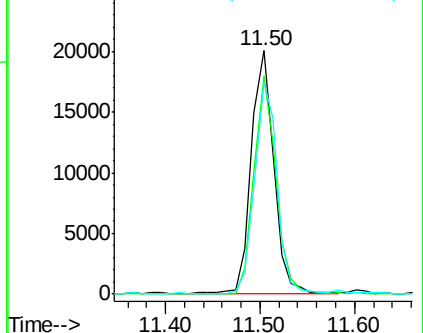
176 86.7 0.0 184.8

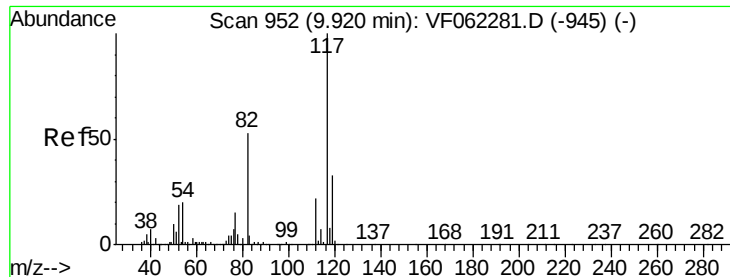


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





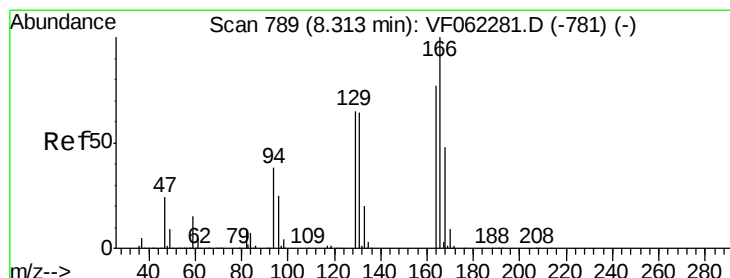
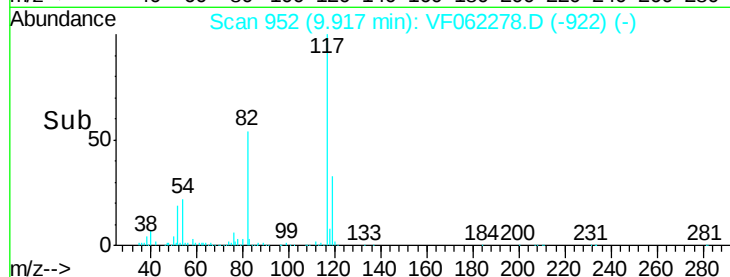
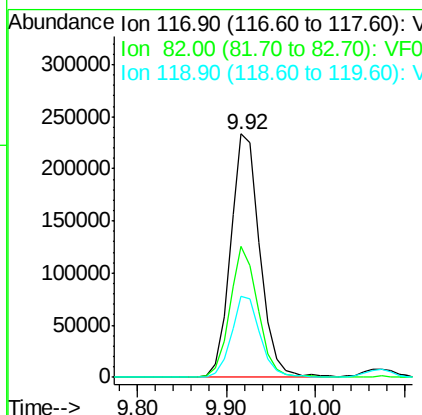
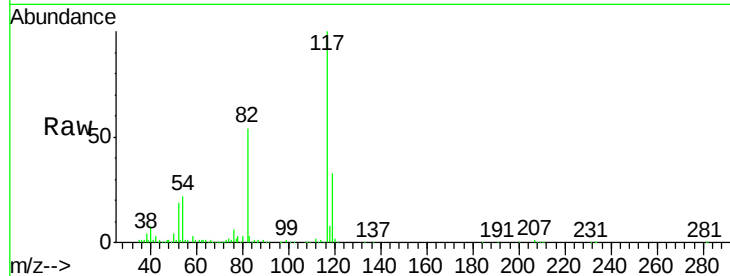
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	64.0
119	33.1	26.1	39.1

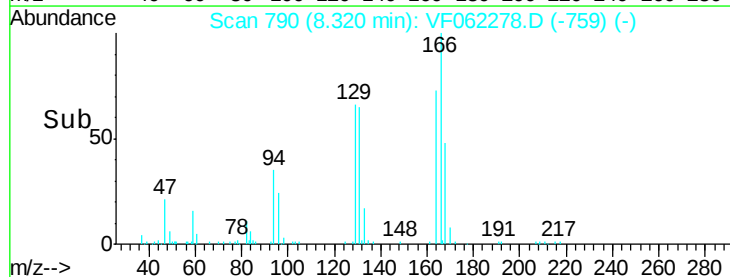
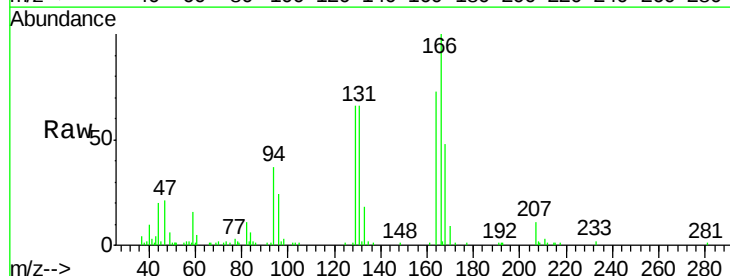
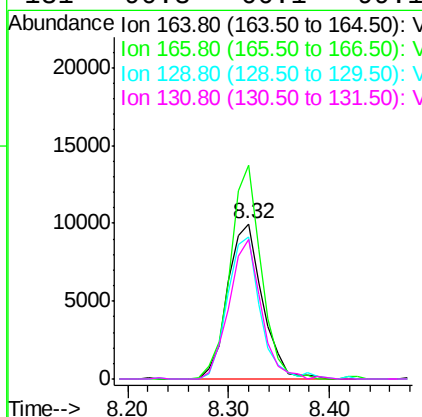
Manual Integrations
APPROVED

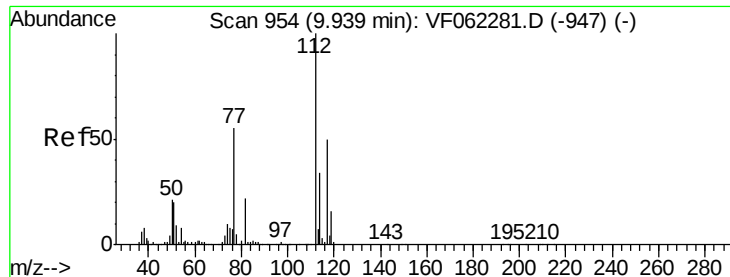
MMDadoda
4/26/2019 9:20:58 AM



#64
Tetrachloroethene
Concen: 5.191 ug/l
RT: 8.32 min Scan# 790
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.9	103.5	155.3
129	91.4	67.6	101.4
131	90.3	66.1	99.1





#65

Chlorobenzene

Concen: 5.296 ug/l

RT: 9.95 min Scan# 955

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 52683

Ion Ratio Lower Upper

112 100

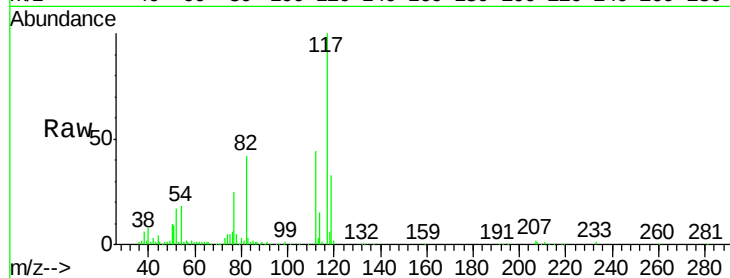
114 33.3 27.0 40.6

Manual Integrations

APPROVED

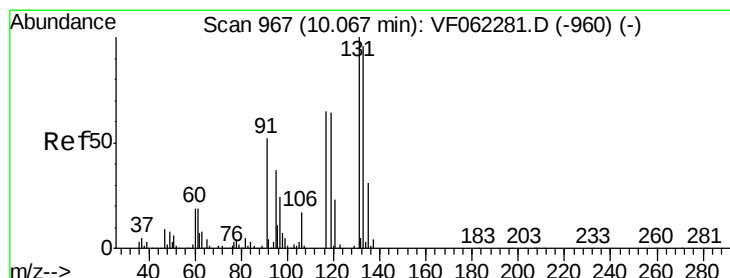
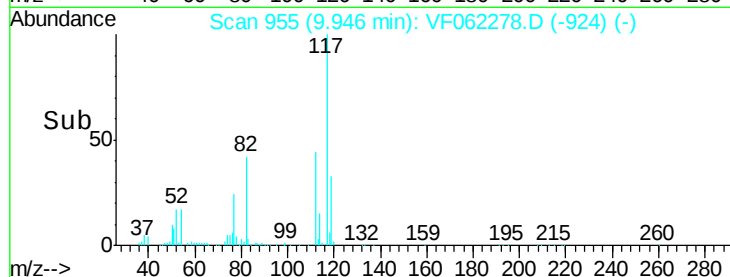
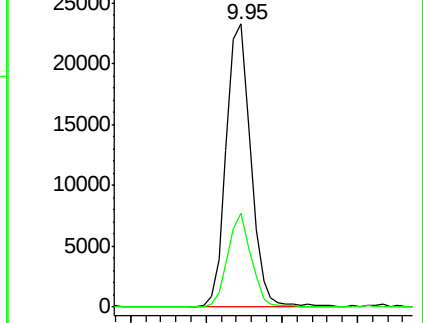
MMDadoda

4/26/2019 9:20:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 5.110 ug/l

RT: 10.07 min Scan# 968

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

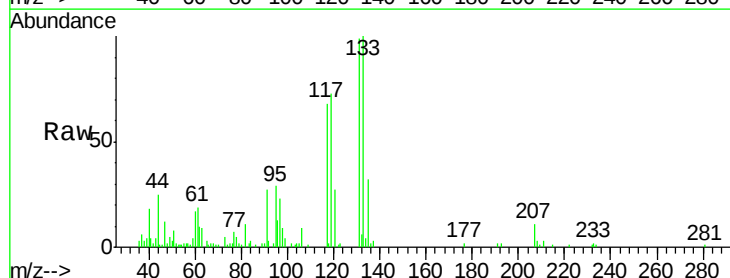
Tgt Ion:131 Resp: 24506

Ion Ratio Lower Upper

131 100

133 94.5 48.5 145.5

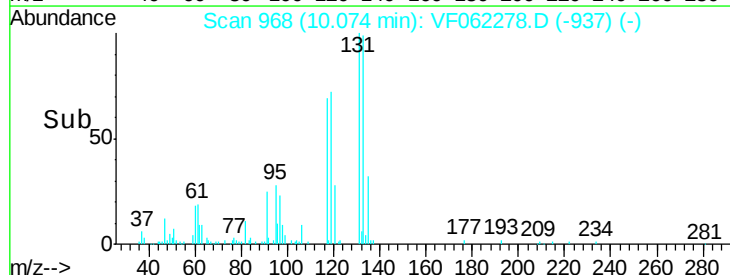
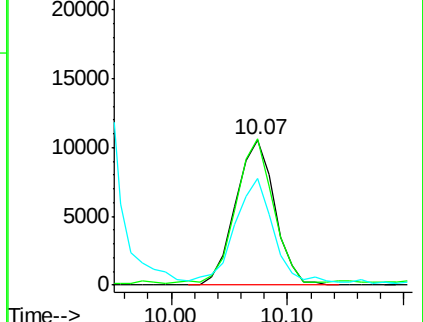
119 71.0 32.9 98.7

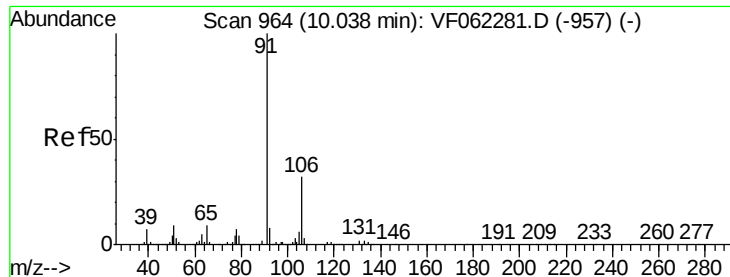


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.414 ug/l

RT: 10.04 min Scan# 965

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 95549

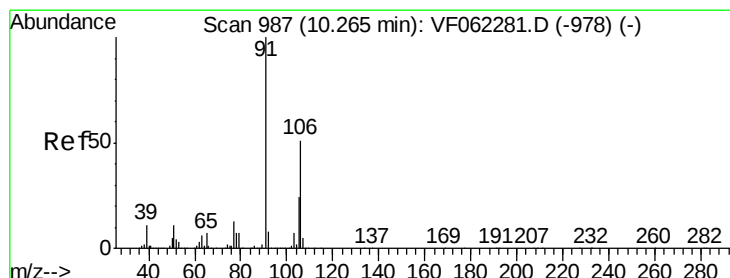
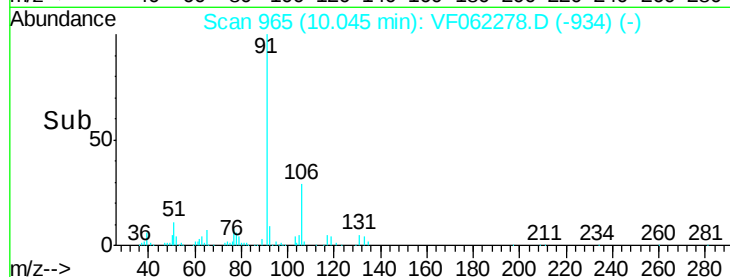
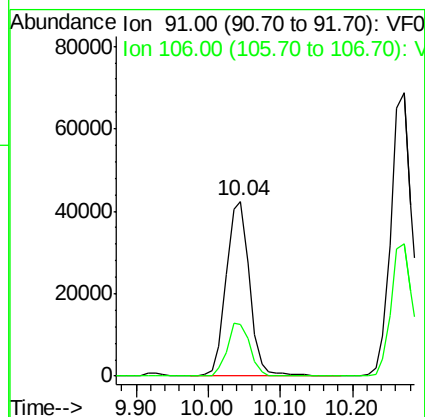
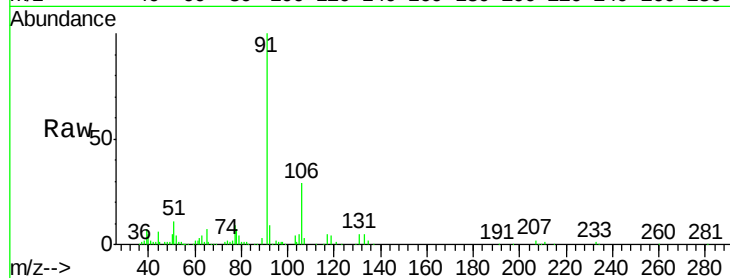
Ion Ratio Lower Upper

91 100

106 29.3 25.6 38.4

Manual Integrations
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#68

m/p-Xylenes

Concen: 10.628 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.01 min

Lab File: VF062278.D

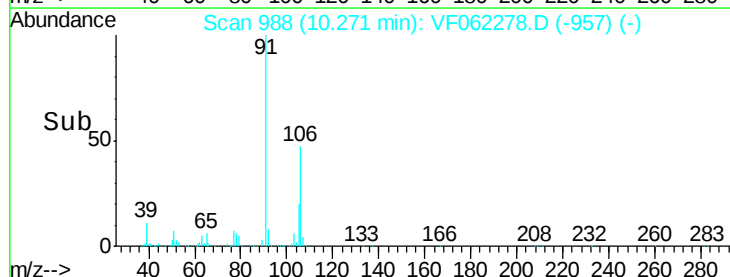
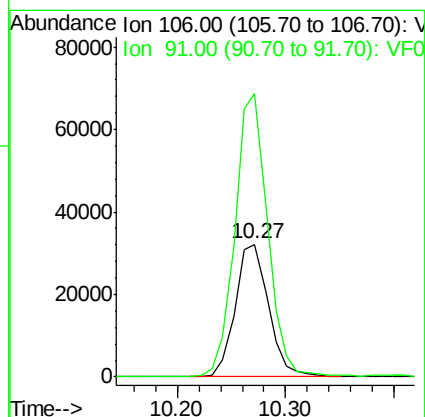
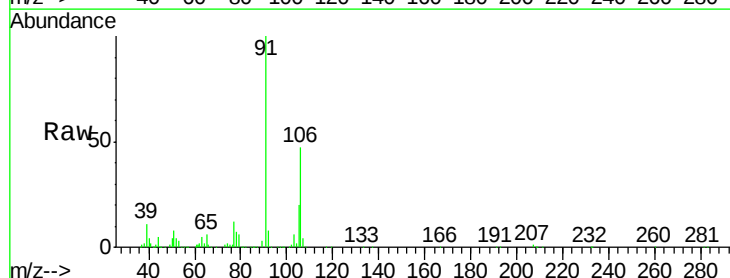
Acq: 24 Apr 2019 13:48

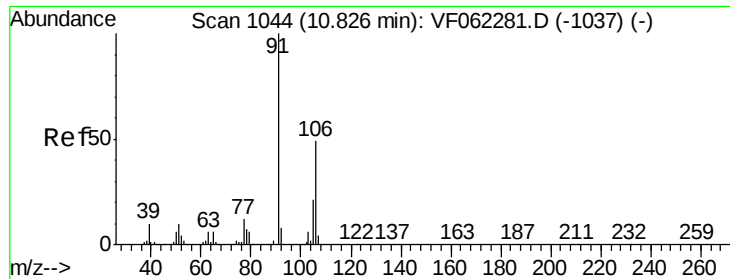
Tgt Ion: 106 Resp: 69251

Ion Ratio Lower Upper

106 100

91 209.8 158.3 237.5





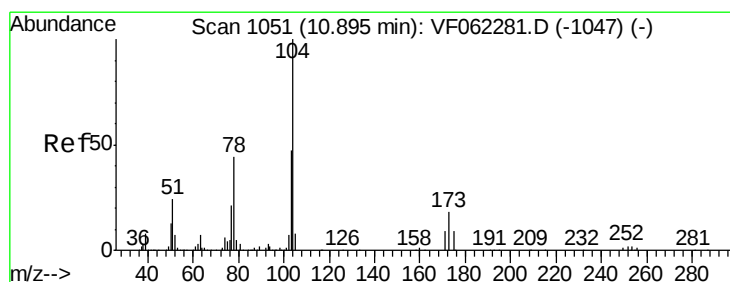
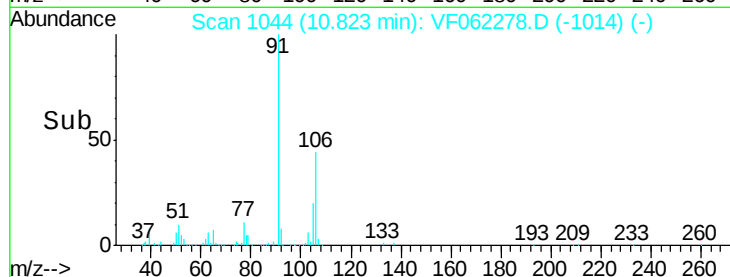
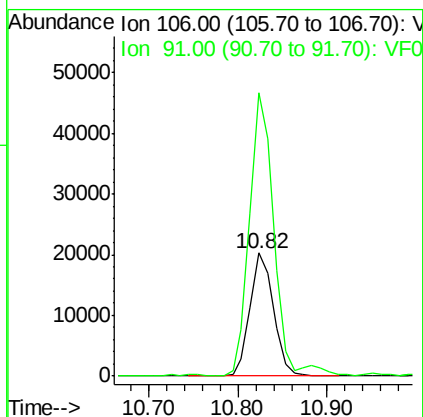
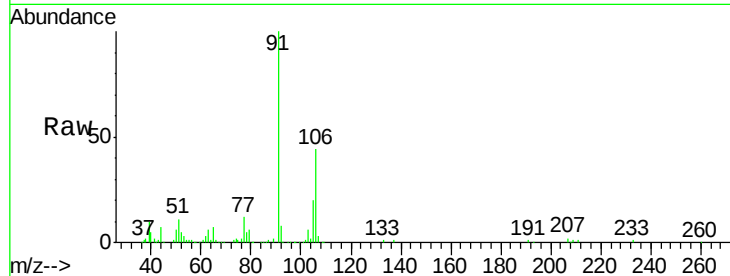
#69
o-Xylene
Concen: 5.080 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 37154
Ion Ratio Lower Upper
106 100
91 229.2 110.0 330.0

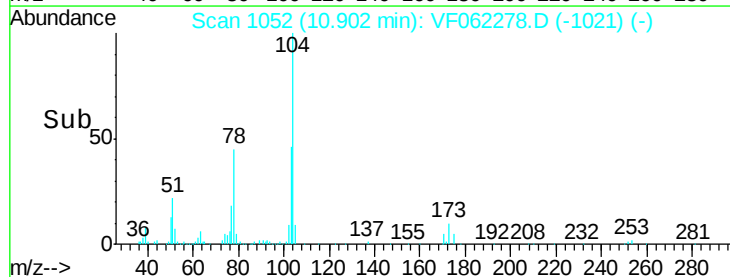
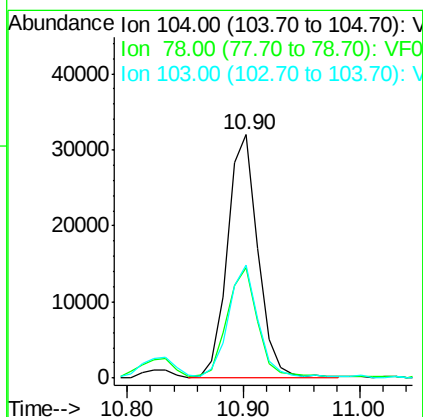
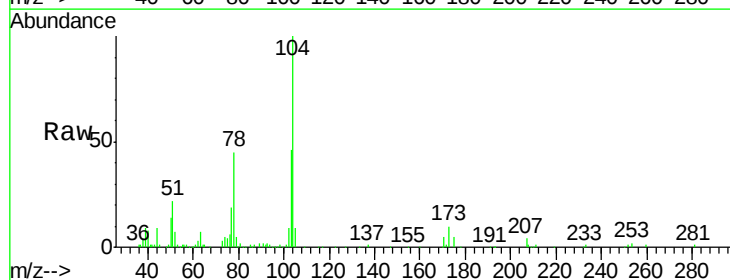
Manual Integrations
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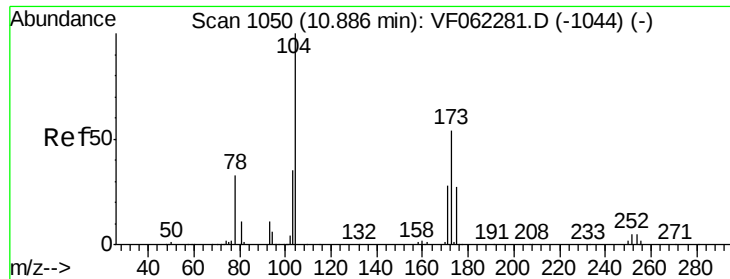
MMDadoda
4/26/2019 9:20:58 AM



#70
Styrene
Concen: 5.428 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion:104 Resp: 57441
Ion Ratio Lower Upper
104 100
78 46.1 35.9 53.9
103 44.9 37.5 56.3





#71

Bromoform

Concen: 4.874 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

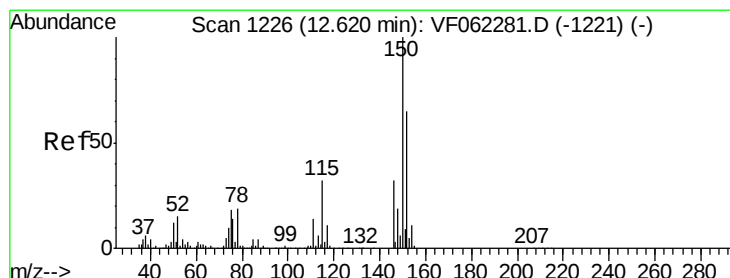
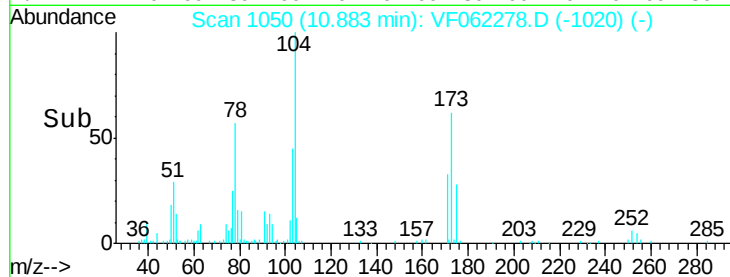
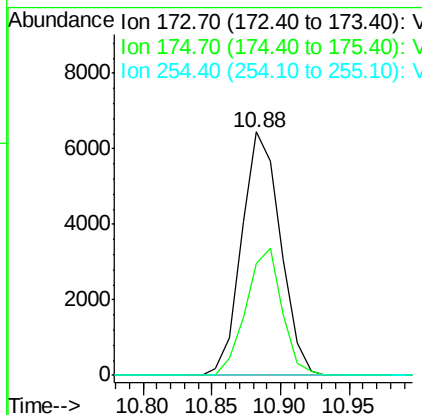
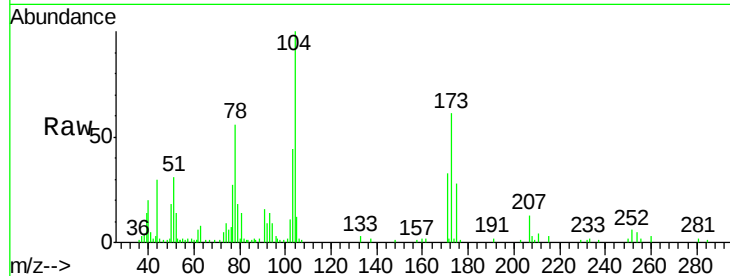
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100				
175	48.3	25.3	75.9		
254	0.0	0.1	0.1#		

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

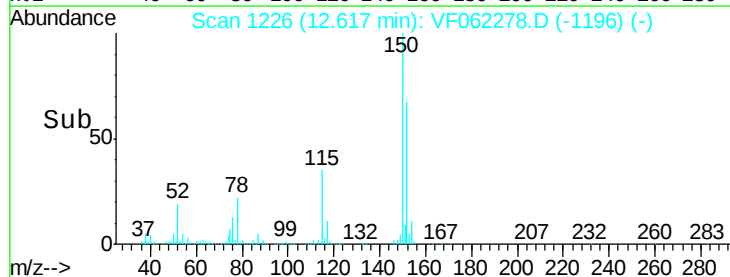
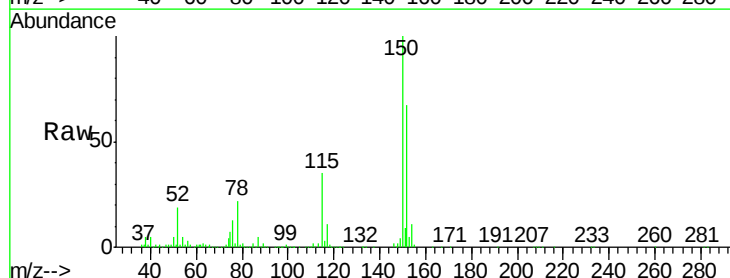
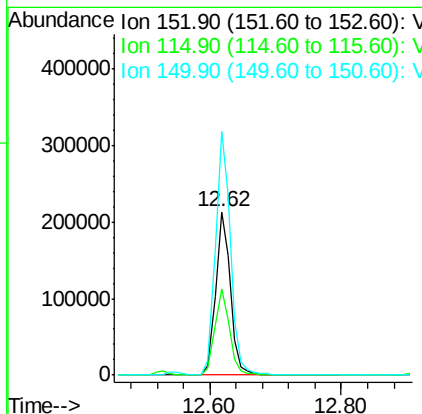
RT: 12.62 min Scan# 1226

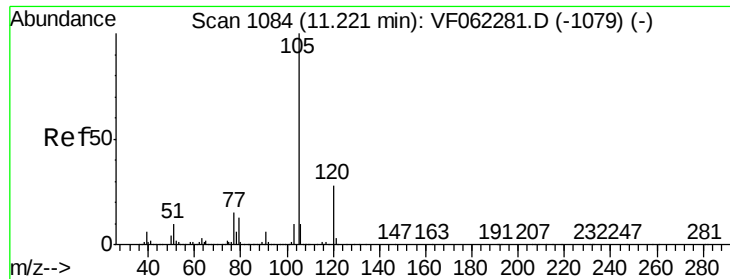
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
115	52.5	25.6	76.8		
150	151.8	0.0	330.6		





#73

Isopropylbenzene

Concen: 4.860 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 113926

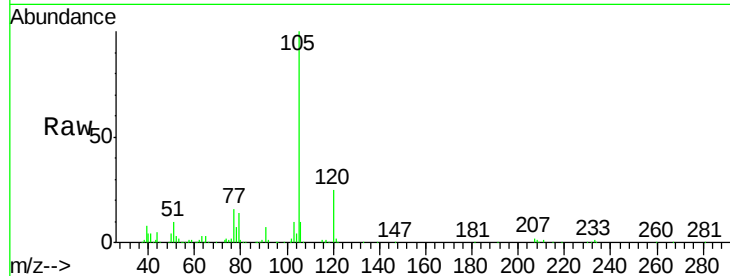
Ion Ratio Lower Upper

105 100

120 25.3 12.4 37.2

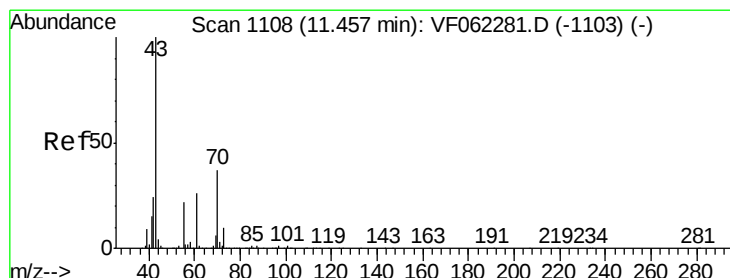
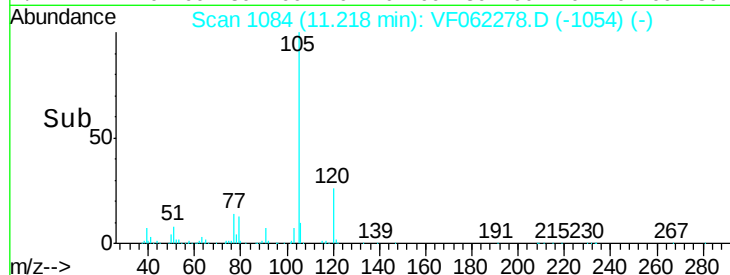
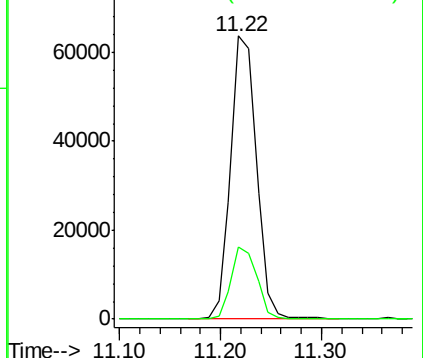
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 6.122 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion: 43 Resp: 32582

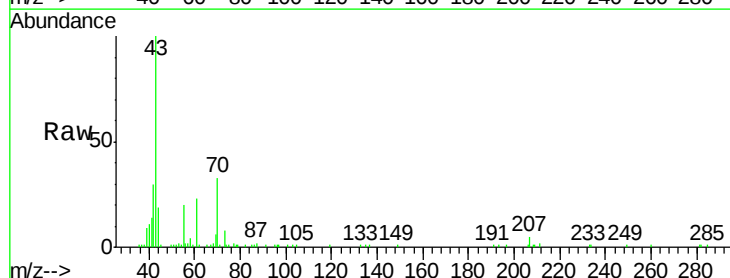
Ion Ratio Lower Upper

43 100

70 33.1 27.8 41.8

55 22.2 16.6 24.8

61 28.8 20.0 30.0

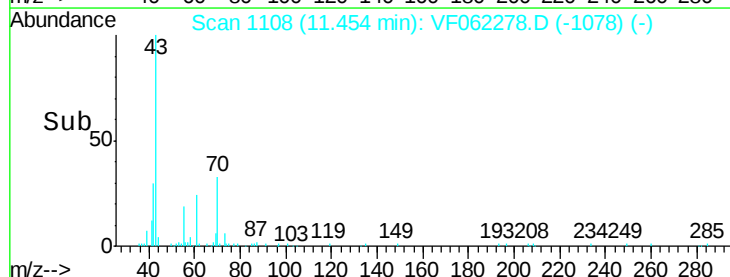
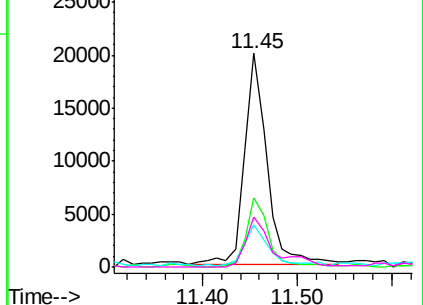


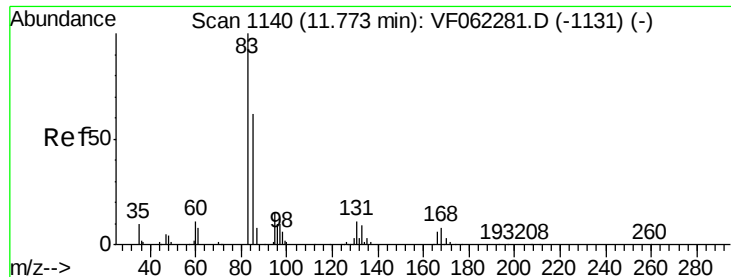
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 4.741 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

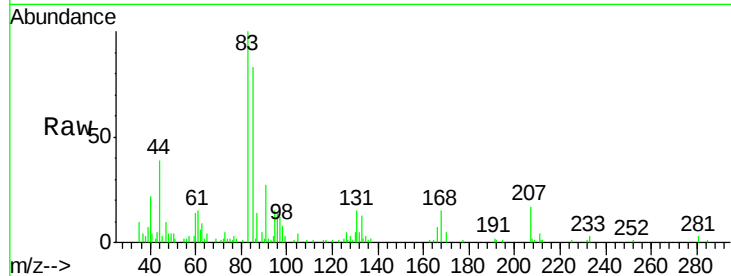
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16618
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.5
85	84.6	34.5	103.6

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:58 AM



Abundance Ion 82.90 (82.60 to 83.60): VF0

Ion 130.80 (130.50 to 131.50): VF0

Ion 84.90 (84.60 to 85.60): VF0

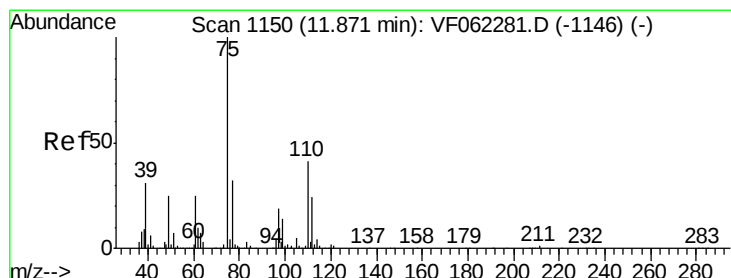
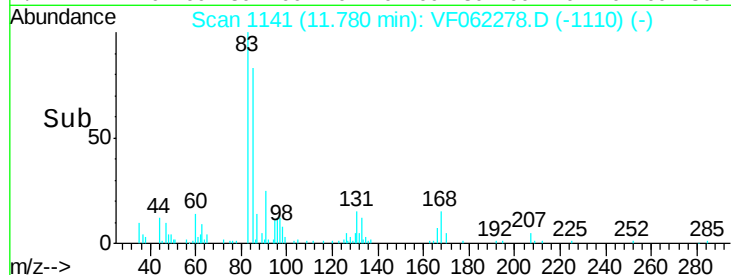
11.78

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.341 ug/l

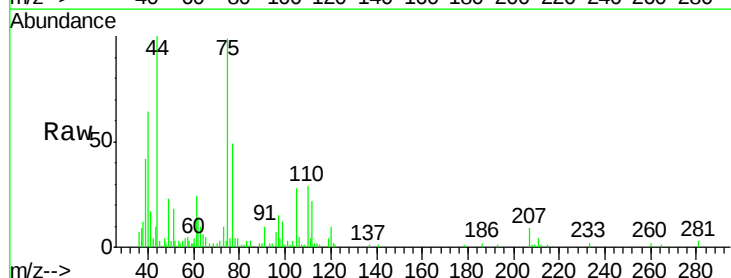
RT: 11.88 min Scan# 1151

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	75	Resp:	13509
Ion Ratio	Lower	Upper	
75	100		
77	153.9	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VF0

Ion 77.00 (76.70 to 77.70): VF0

11.88

10000

8000

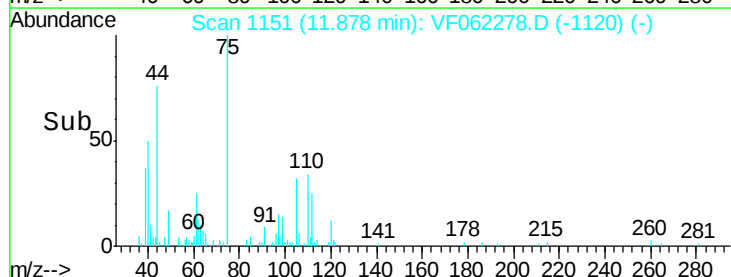
6000

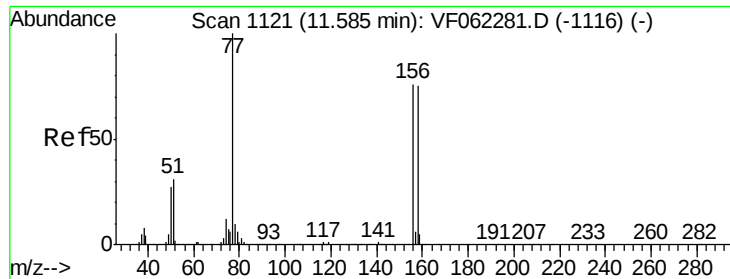
4000

2000

0

Time-->





#77

Bromobenzene

Concen: 5.097 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

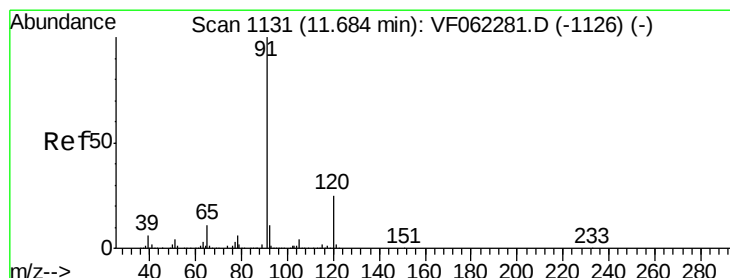
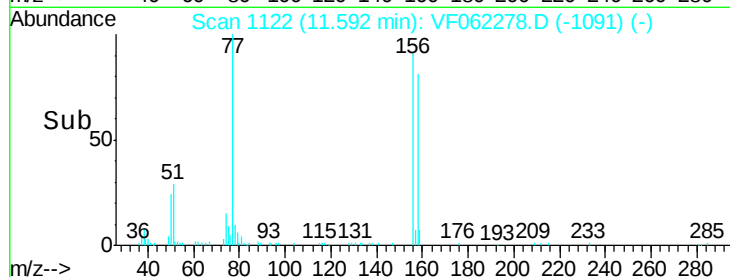
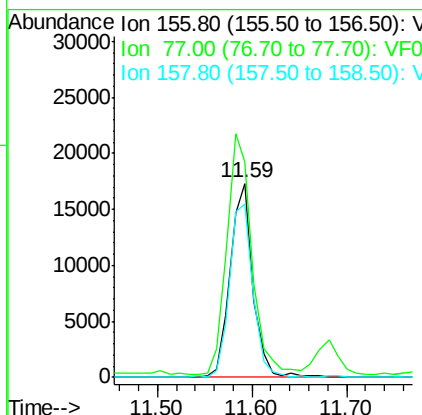
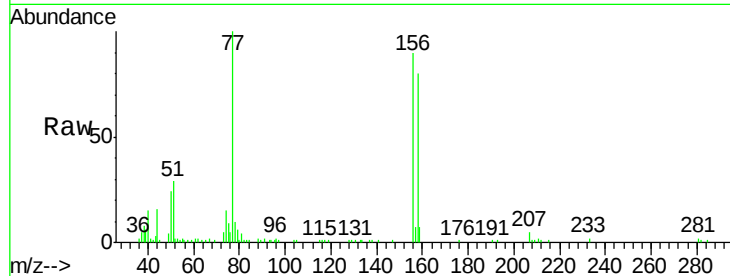
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	137.3	67.3	201.9
158	92.4	49.5	148.5

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#78

n-propylbenzene

Concen: 5.254 ug/l

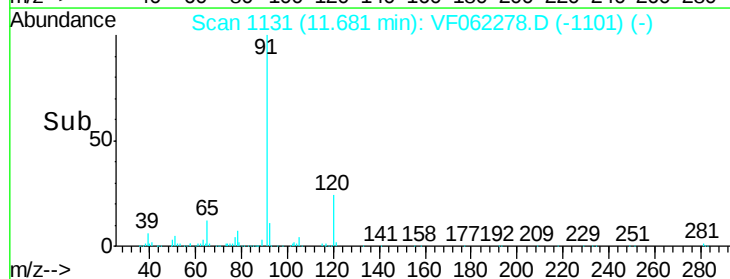
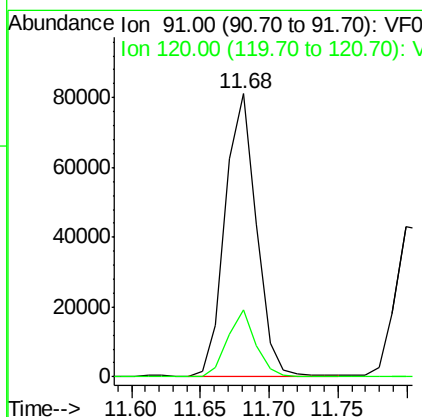
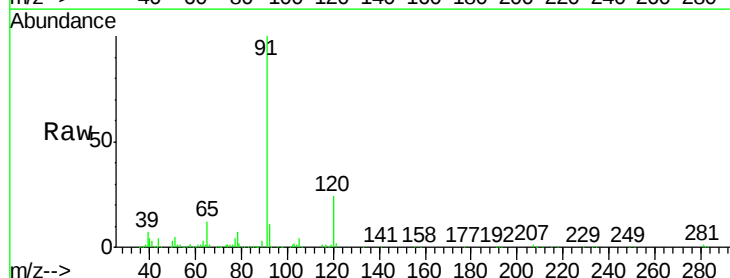
RT: 11.68 min Scan# 1131

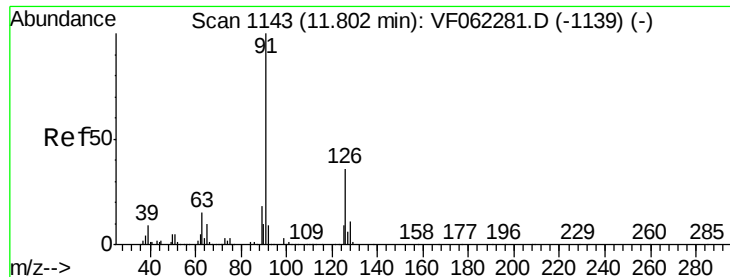
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.8	35.4





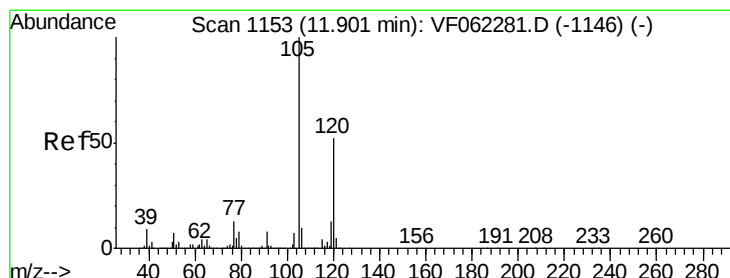
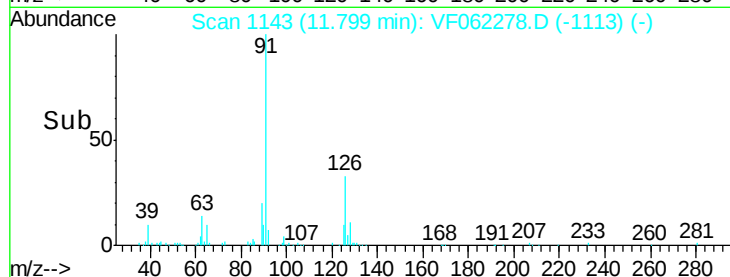
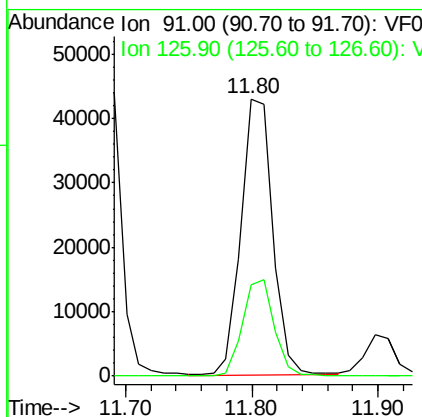
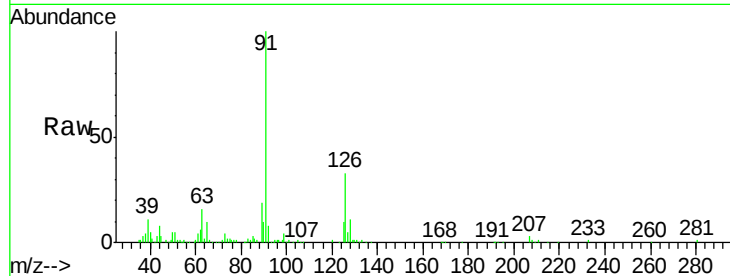
#79
 2-Chlorotoluene
 Concen: 5.168 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 74920
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.8

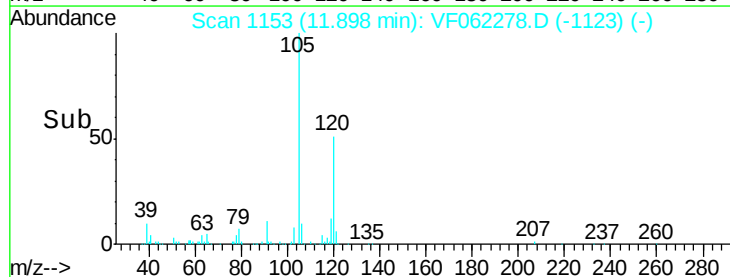
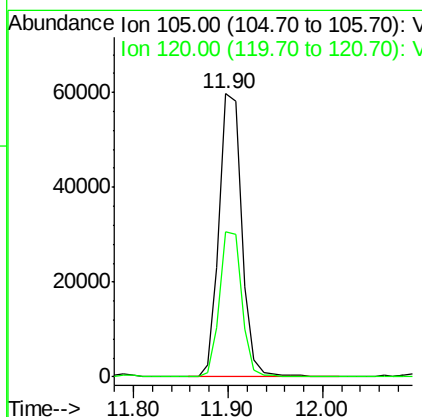
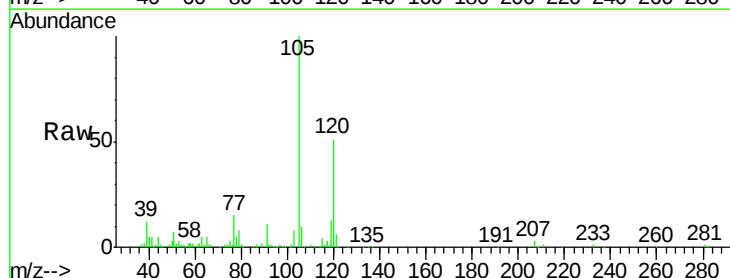
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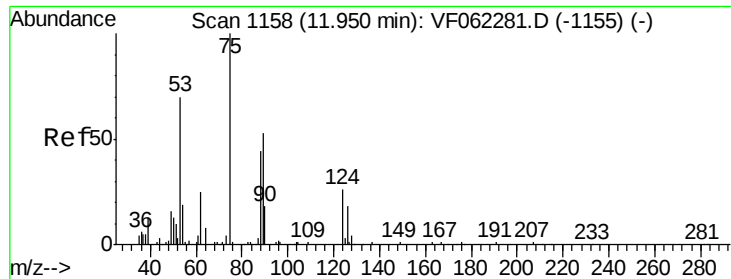
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#80
 1,3,5-Trimethylbenzene
 Concen: 5.106 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion: 105 Resp: 100145
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 4.384 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Instrument :

MSVOA_F

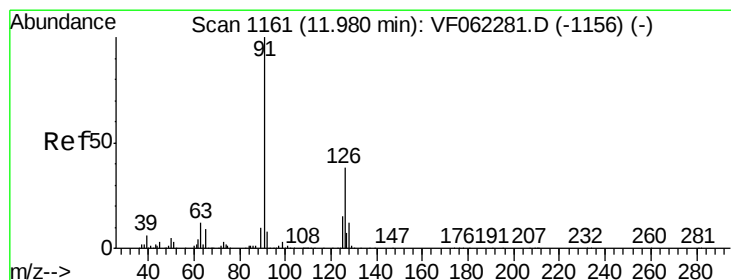
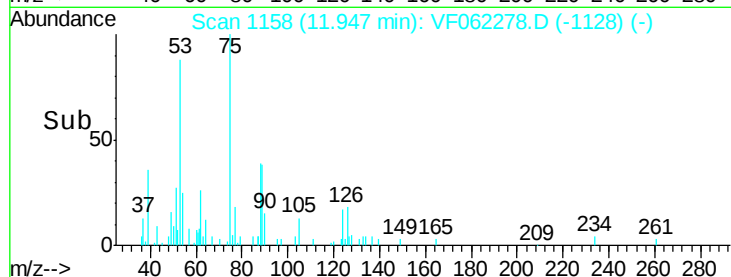
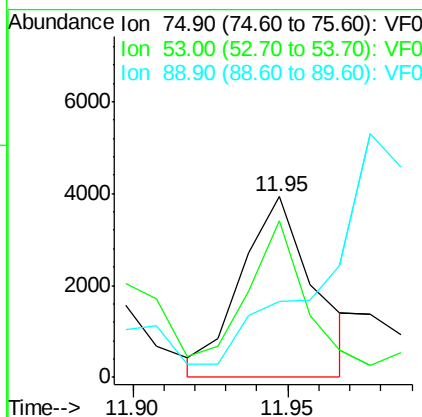
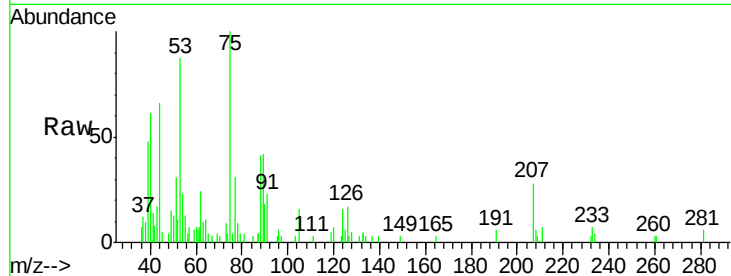
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	6440
Ion	Ratio	Lower	Upper
75	100		
53	85.6	67.1	100.7
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.339 ug/l

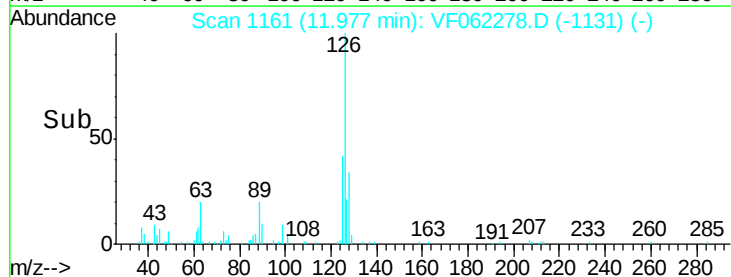
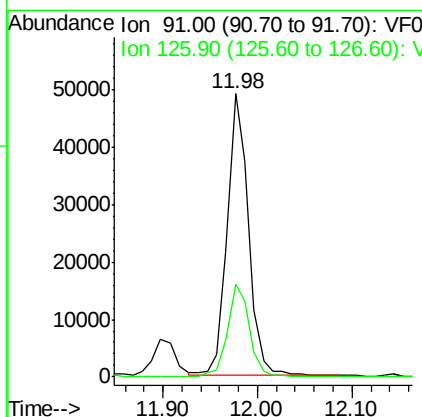
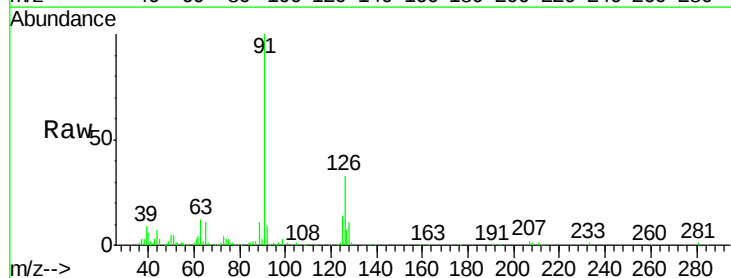
RT: 11.98 min Scan# 1161

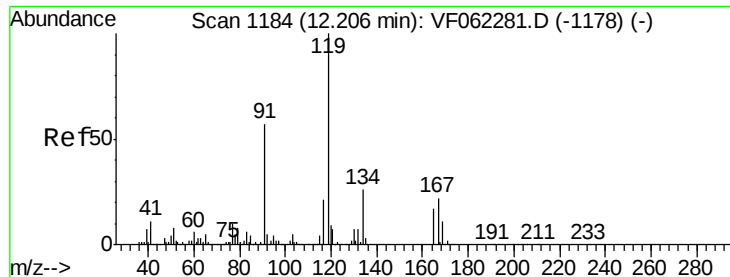
Delta R.T. -0.00 min

Lab File: VF062278.D

Acq: 24 Apr 2019 13:48

Tgt Ion:	91	Resp:	76702
Ion	Ratio	Lower	Upper
91	100		
126	34.0	17.3	52.0





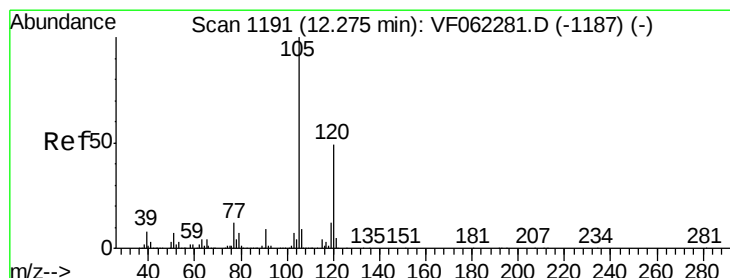
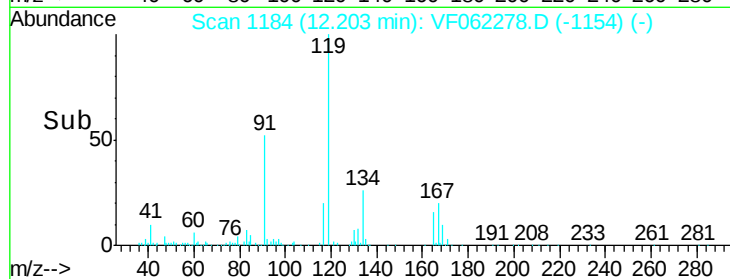
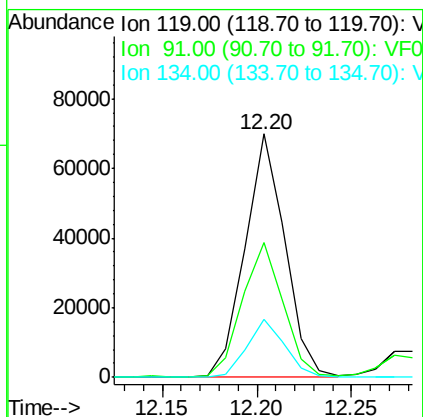
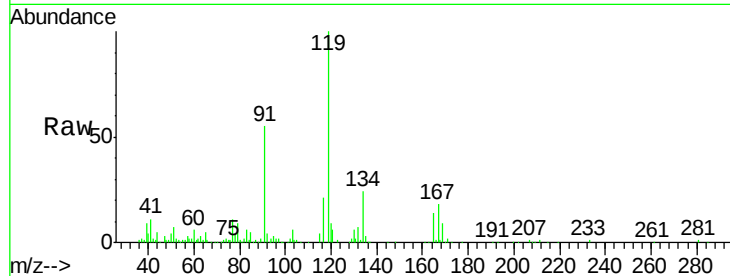
#83
 tert-Butylbenzene
 Concen: 4.998 ug/l
 RT: 12.20 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	102781		
91	56.2		29.4	88.2
134	22.6		11.9	35.7

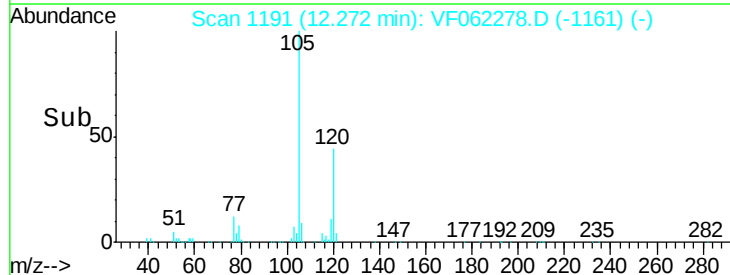
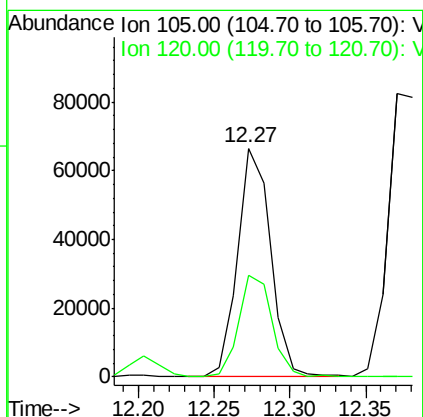
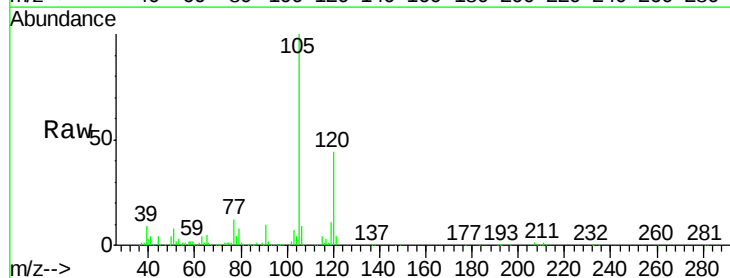
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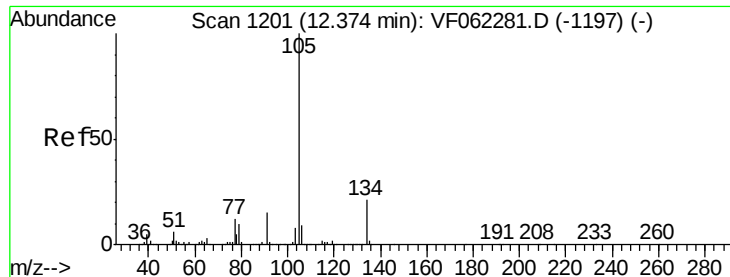
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 4/26/2019 9:20:58 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.249 ug/l
 RT: 12.27 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	101229		
120	45.1		24.1	72.2





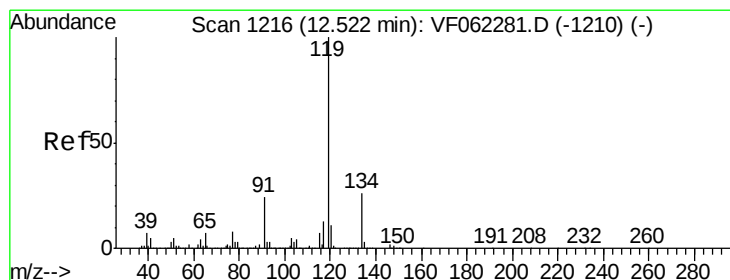
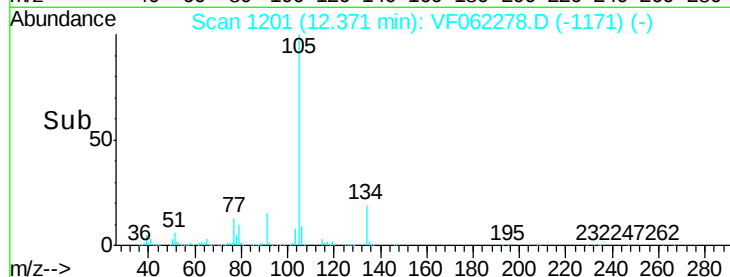
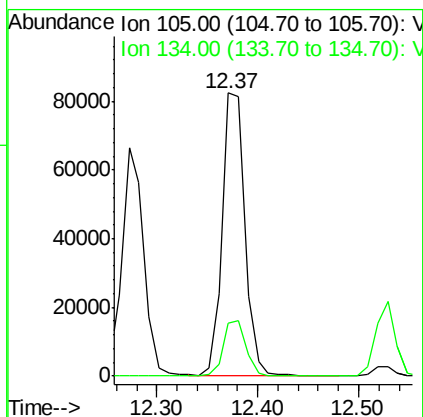
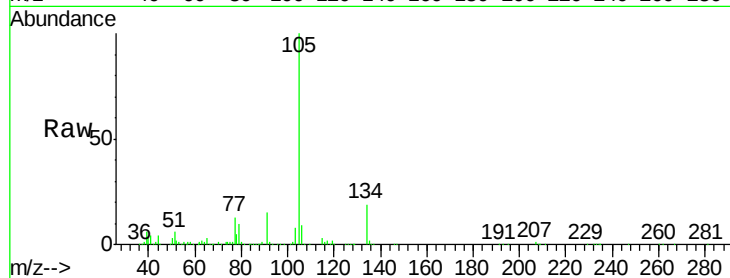
#85
 sec-Butylbenzene
 Concen: 5.104 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.2	30.4

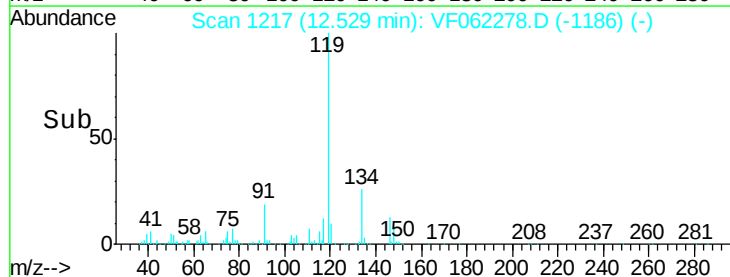
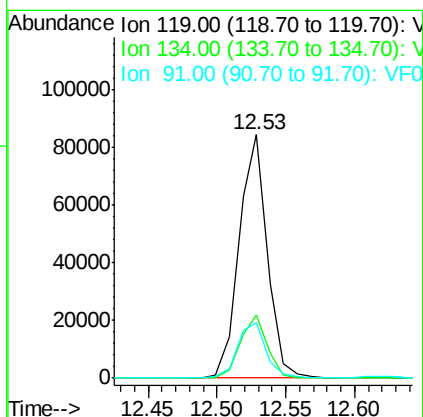
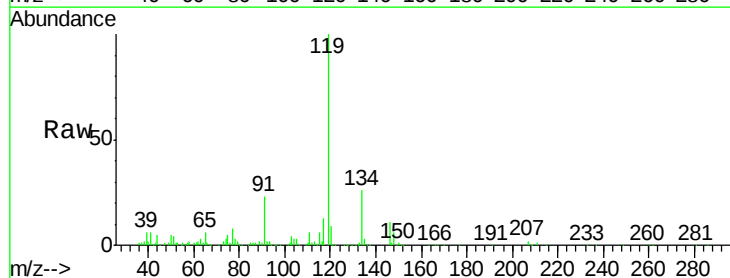
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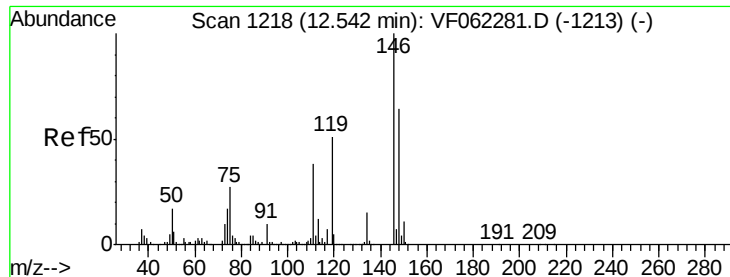
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#86
 p-Isopropyltoluene
 Concen: 5.271 ug/l
 RT: 12.53 min Scan# 1217
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.9	13.2	39.5
91	23.4	11.6	34.7





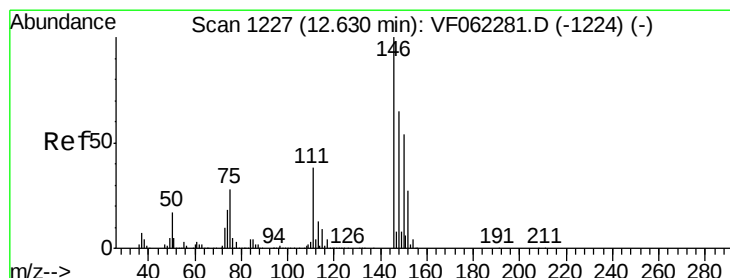
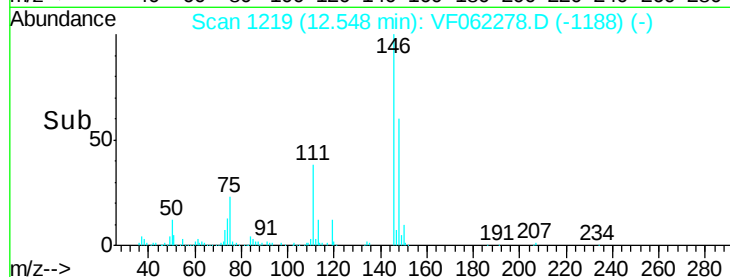
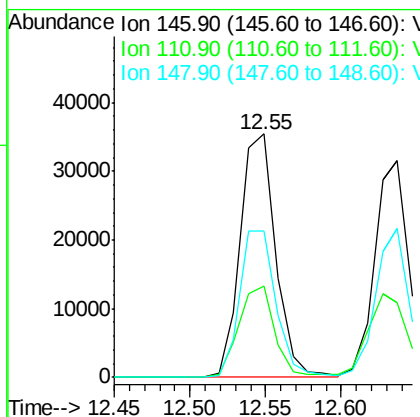
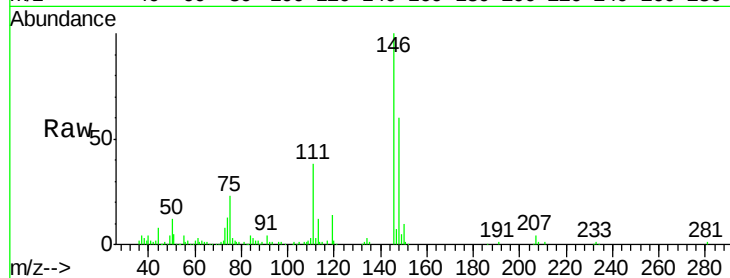
#87
 1,3-Dichlorobenzene
 Concen: 5.635 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.6	55.8
148	61.9	32.8	98.4

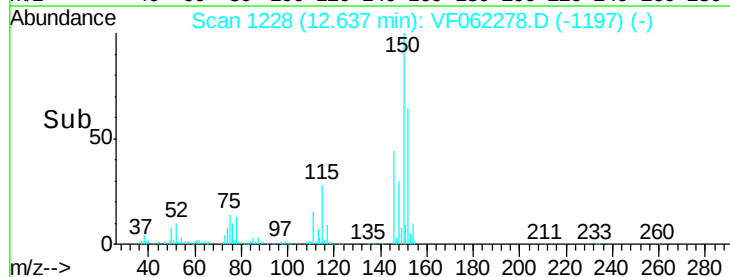
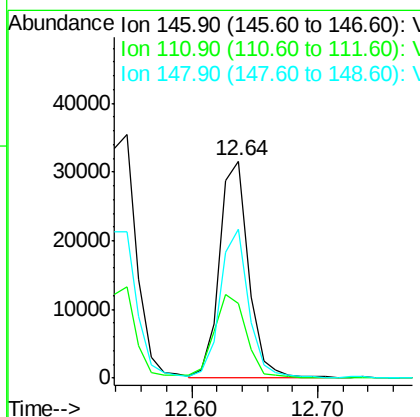
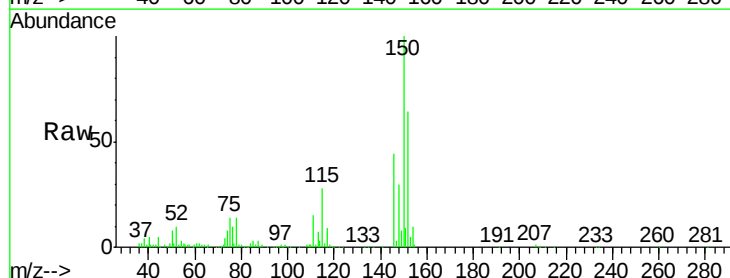
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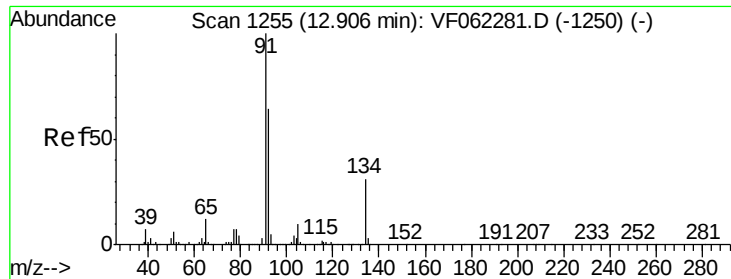
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#88
 1,4-Dichlorobenzene
 Concen: 5.293 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	18.6	56.0
148	66.1	32.5	97.5





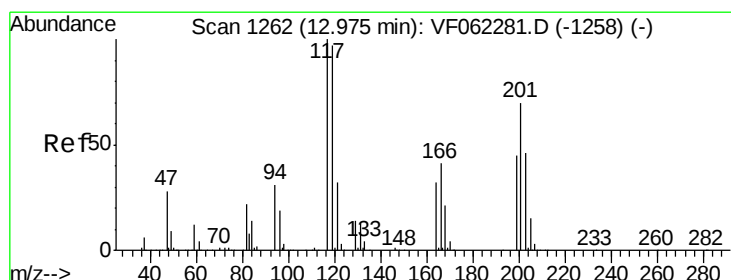
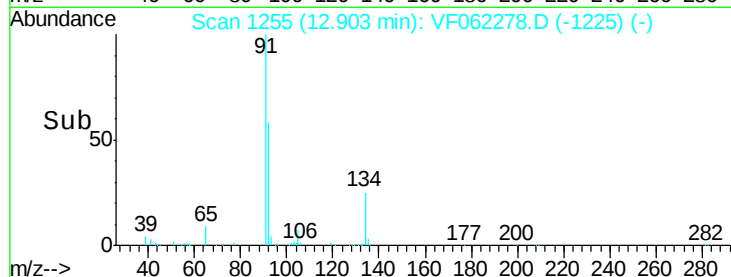
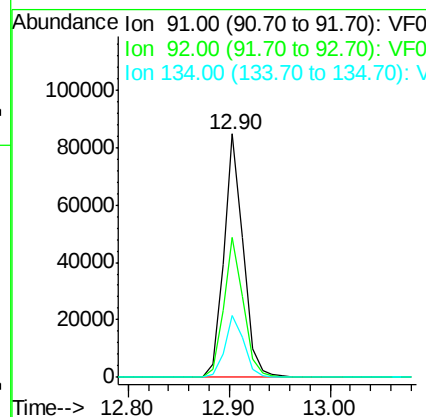
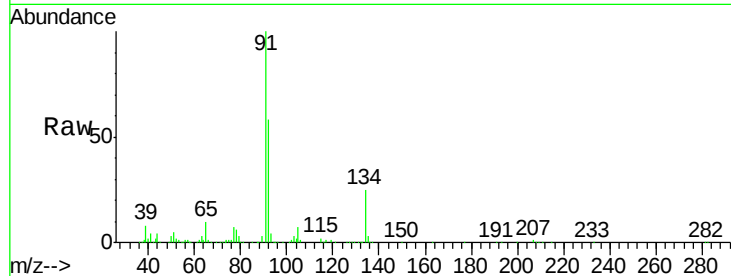
#89
n-Butylbenzene
Concen: 5.390 ug/l
RT: 12.90 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.4	31.1	93.3
134	25.2	14.4	43.4

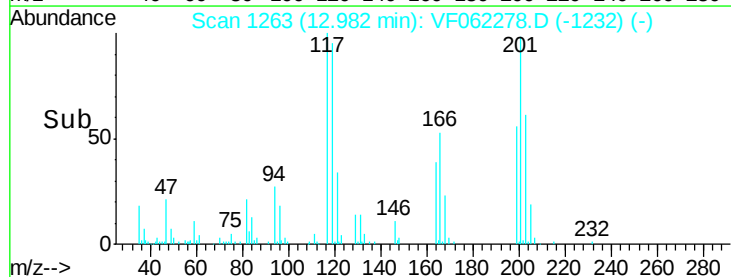
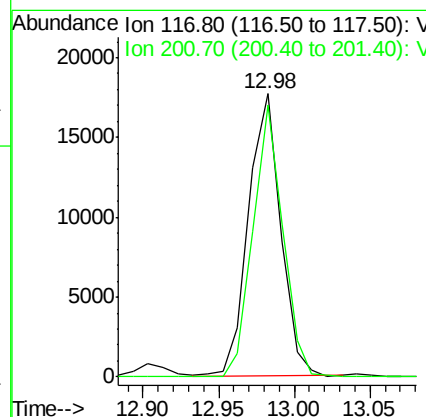
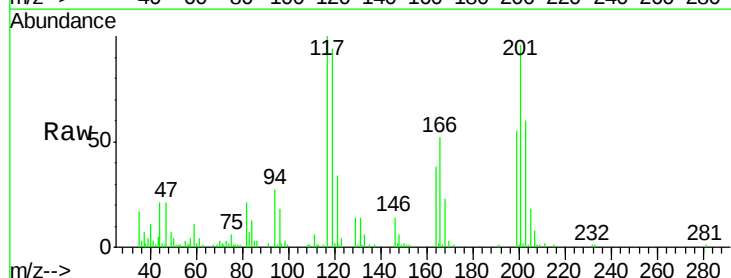
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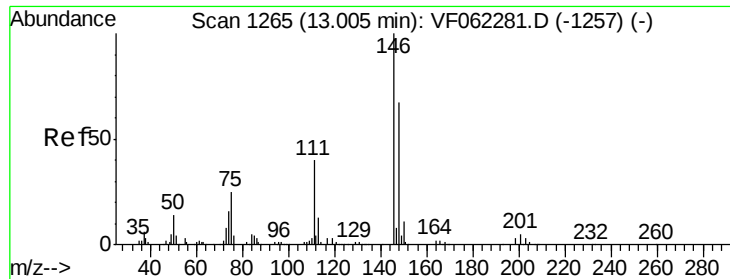
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#90
Hexachloroethane
Concen: 4.624 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	42.9	128.5





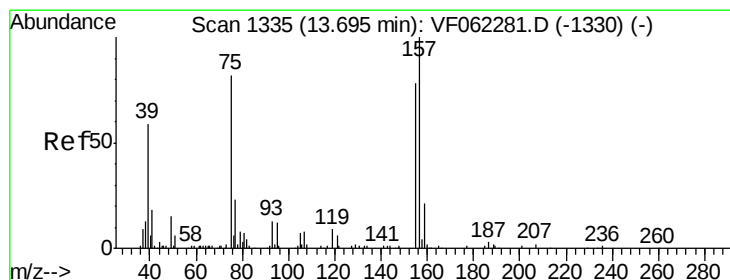
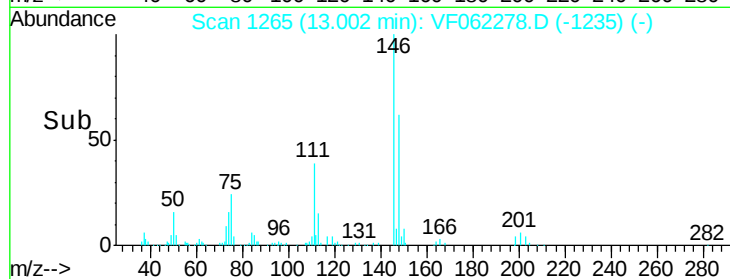
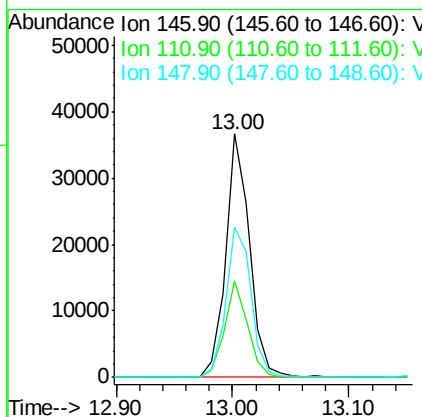
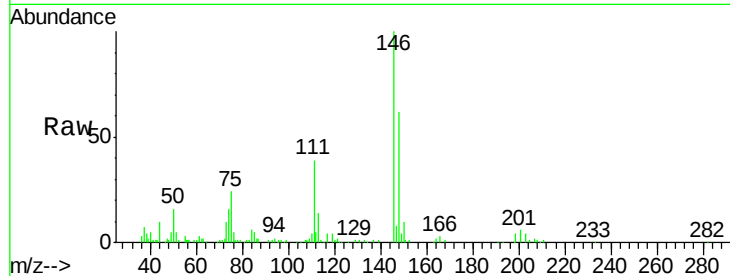
#91
 1,2-Dichlorobenzene
 Concen: 5.253 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	20.0	59.9
148	64.6	33.1	99.5

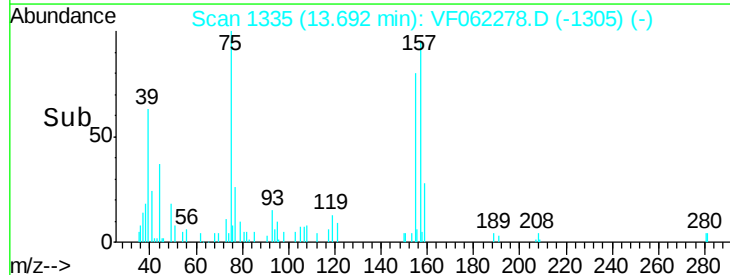
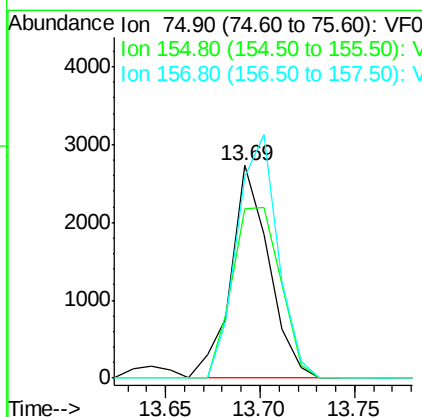
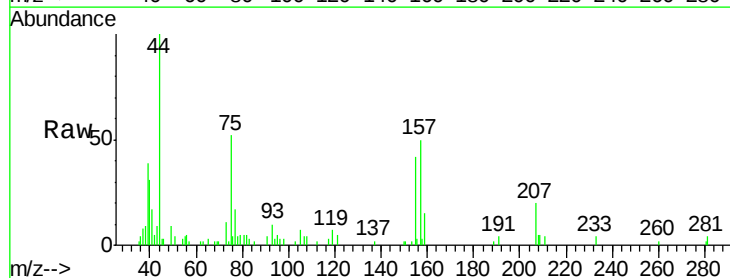
Manual Integrations
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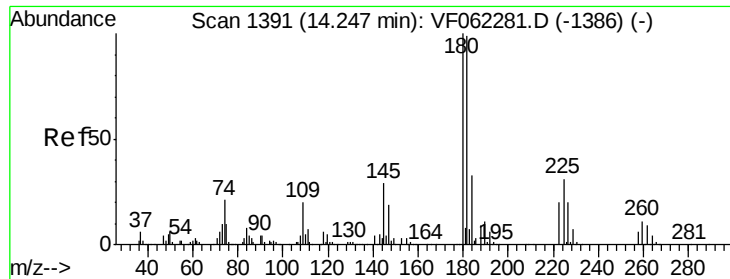
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.299 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.6	51.7	155.2
157	123.6	64.5	193.5





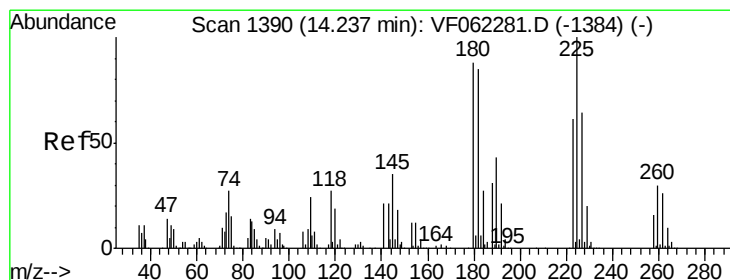
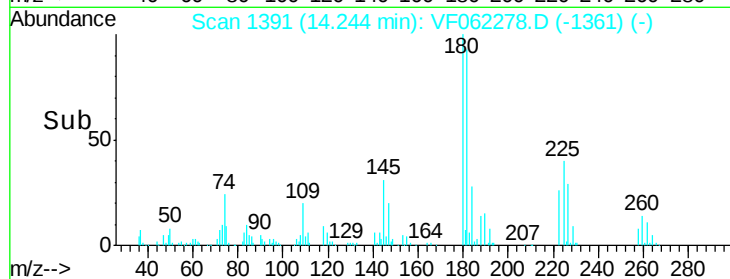
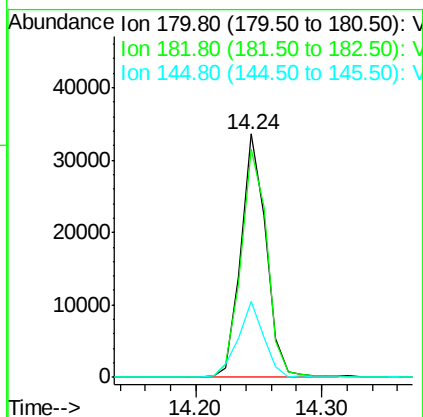
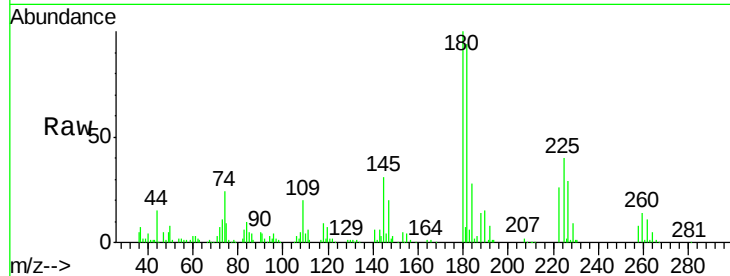
#93
 1,2,4-Trichlorobenzene
 Concen: 5.295 ug/l
 RT: 14.24 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.6	48.5	145.6
145	32.2	16.7	50.1

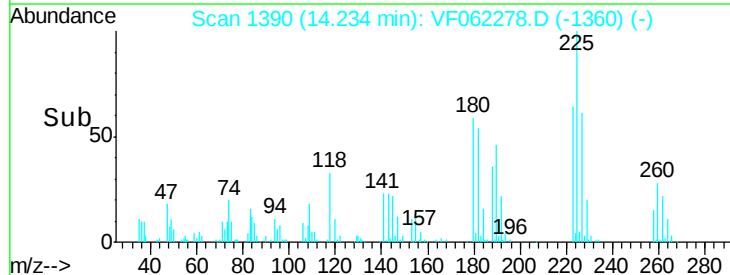
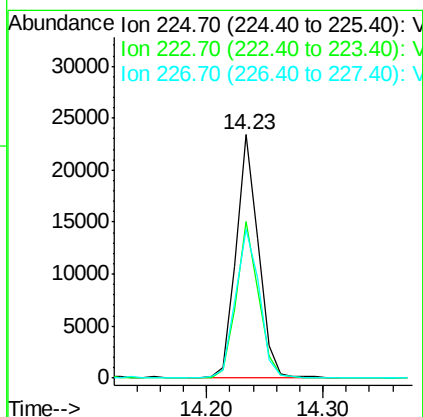
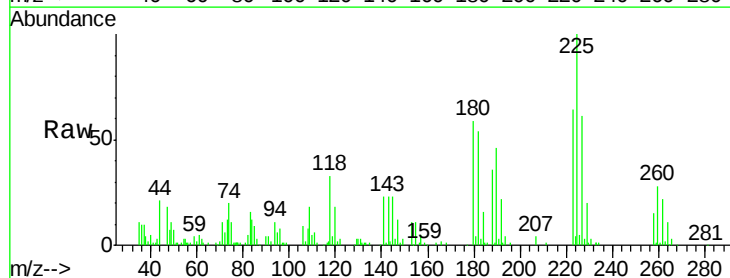
Manual Integrations
 APPROVED

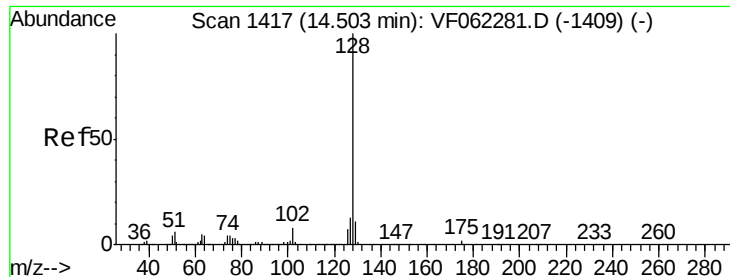
MMDadoda
 4/26/2019 9:20:58 AM



#94
 Hexachlorobutadiene
 Concen: 5.014 ug/l
 RT: 14.23 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062278.D
 Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	30.8	92.3
227	65.3	31.9	95.5





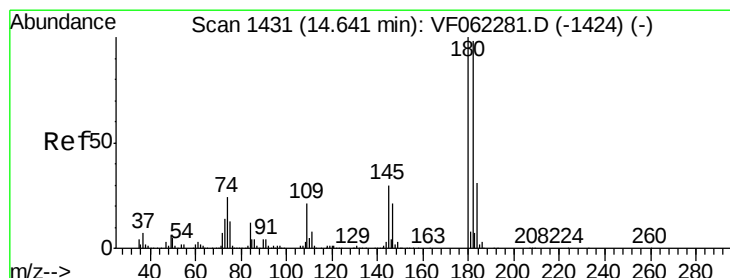
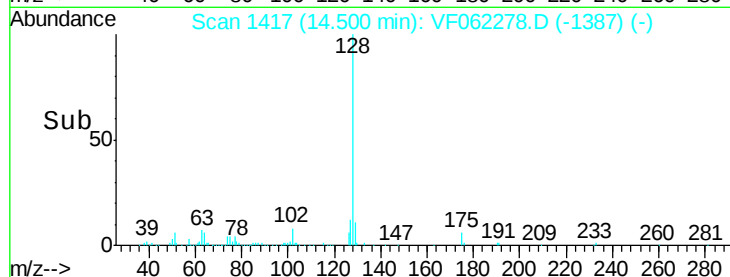
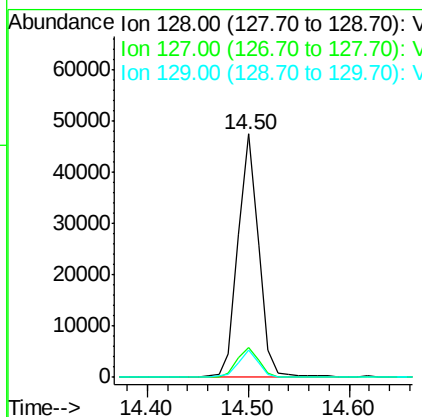
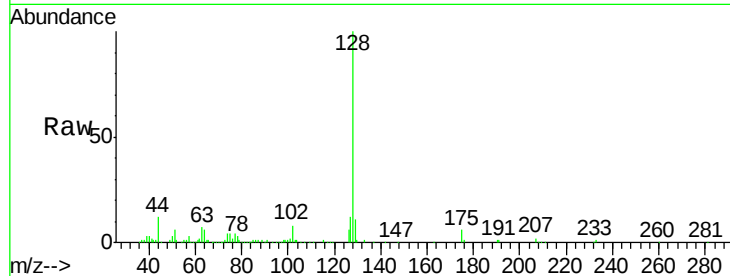
#95
Naphthalene
Concen: 5.195 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	67585		
127	12.9		10.2	15.4
129	11.2		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.932 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062278.D
Acq: 24 Apr 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	39775		
182	102.1		49.0	147.2
145	28.7		14.5	43.5

