

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF032219\
 Data File : VF062075.D
 Acq On : 22 Mar 2019 10:35
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/27/2019 11:57:08 AM

Quant Time: Mar 23 01:15:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F032219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.91	168	306733	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.63	114	460643	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.81	117	385983	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.57	152	206052	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.88	65	10331	4.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.06%	
35) Dibromofluoromethane	4.15	113	13868	4.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	8.90%	
50) Toluene-d8	7.58	98	40258	4.33	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	8.66%	
62) 4-Bromofluorobenzene	11.44	95	16275	4.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	9.06%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	0.97	85	18084	4.602	ug/l	88
3) Chloromethane	1.11	50	20535	4.994	ug/l	99
4) Vinyl Chloride	1.14	62	18258	4.801	ug/l	91
5) Bromomethane	1.34	94	14701	5.377	ug/l #	80
6) Chloroethane	1.41	64	10003	5.225	ug/l	100
7) Trichlorofluoromethane	1.50	101	22025m	4.993	ug/l	
8) Diethyl Ether	1.64	74	5352	5.101	ug/l	90
9) 1,1,2-Trichlorotrifluoroet	1.86	101	15724	5.018	ug/l #	85
10) Methyl Iodide	1.92	142	29087m	4.978	ug/l	
11) Tert butyl alcohol	2.59	59	3312	26.384	ug/l #	47
12) 1,1-Dichloroethene	1.81	96	14922	5.047	ug/l	93
13) Acrolein	2.02	56	2941m	19.438	ug/l	
14) Allyl chloride	2.12	41	15403	4.879	ug/l	93
15) Acrylonitrile	2.96	53	10576	23.958	ug/l	88
16) Acetone	2.25	43	11104	23.125	ug/l	91
17) Carbon Disulfide	1.84	76	42865m	4.850	ug/l	
18) Methyl Acetate	2.36	43	6327m	5.562	ug/l	
19) Methyl tert-butyl Ether	2.45	73	21899	4.686	ug/l #	86
20) Methylene Chloride	2.27	84	20613m	6.426	ug/l	
21) trans-1,2-Dichloroethene	2.33	96	14501	5.277	ug/l	90
22) Diisopropyl ether	2.84	45	37802	4.567	ug/l	94
23) Vinyl Acetate	3.22	43	76901	22.694	ug/l	98
24) 1,1-Dichloroethane	2.90	63	25216	5.081	ug/l	99
25) 2-Butanone	4.38	43	25147	25.086	ug/l #	80
26) 2,2-Dichloropropane	3.63	77	9735	4.838	ug/l	88
27) cis-1,2-Dichloroethene	3.51	96	17443	4.627	ug/l	93
28) Bromochloromethane	3.75	49	9323	4.598	ug/l	96
29) Tetrahydrofuran	4.11	42	11206	25.711	ug/l	93
30) Chloroform	3.90	83	25546	4.870	ug/l	96
31) Cyclohexane	3.72	56	25048m	5.143	ug/l	
32) 1,1,1-Trichloroethane	4.14	97	17636	5.527	ug/l #	83
36) 1,1-Dichloropropene	4.31	75	21353	4.867	ug/l #	93
37) Ethyl Acetate	4.15	43	11633	6.067	ug/l	93
38) Carbon Tetrachloride	4.03	117	13978	4.674	ug/l	95

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Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Sat Mar 23 00:41:59 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.49	83	25525	5.012	ug/l	92
40) Benzene	4.67	78	57744	4.909	ug/l	98
41) Methacrylonitrile	4.78	41	4886	4.816	ug/l #	83
42) 1,2-Dichloroethane	4.98	62	13349	4.799	ug/l	93
43) Isopropyl Acetate	6.99	43	12004	5.169	ug/l #	91
44) Trichloroethene	5.54	130	18454	5.132	ug/l	87
45) 1,2-Dichloropropane	6.27	63	13588	4.843	ug/l	97
46) Dibromomethane	6.12	93	8837	5.152	ug/l	86
47) Bromodichloromethane	6.42	83	17958	4.726	ug/l	94
48) Methyl methacrylate	6.75	41	6447	4.876	ug/l #	70
49) 1,4-Dioxane	6.74	88	1135	97.829	ug/l #	82
51) 4-Methyl-2-Pentanone	8.29	43	40329	25.947	ug/l	93
52) Toluene	7.65	92	33371	4.898	ug/l	97
53) t-1,3-Dichloropropene	8.31	75	14578	4.888	ug/l	99
54) cis-1,3-Dichloropropene	7.33	75	19603	4.593	ug/l	98
55) 1,1,2-Trichloroethane	8.53	97	9263	4.787	ug/l #	89
56) Ethyl methacrylate	8.65	69	11452	4.962	ug/l	94
57) 1,3-Dichloropropane	8.88	76	14679	4.570	ug/l #	87
58) 2-Chloroethyl Vinyl ether	7.33	63	8110	23.158	ug/l	92
59) 2-Hexanone	9.52	43	27714	24.329	ug/l	99
60) Dibromochloromethane	8.74	129	12561	4.669	ug/l	92
61) 1,2-Dibromoethane	9.02	107	9214	4.463	ug/l	83
64) Tetrachloroethene	8.19	164	15214	5.102	ug/l	91
65) Chlorobenzene	9.83	112	36844	5.102	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.96	131	14402	4.965	ug/l	91
67) Ethyl Benzene	9.93	91	64294	5.119	ug/l	100
68) m/p-Xylenes	10.16	106	47306	10.077	ug/l	96
69) o-Xylene	10.73	106	23363	4.752	ug/l	85
70) Styrene	10.81	104	38414	5.157	ug/l	99
71) Bromoform	10.79	173	7429	5.007	ug/l #	95
73) Isopropylbenzene	11.15	105	72637	5.010	ug/l	100
74) N-amyl acetate	11.40	43	15913	4.606	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	11.71	83	12966	5.208	ug/l	96
76) 1,2,3-Trichloropropane	11.81	75	9313	5.316	ug/l	79
77) Bromobenzene	11.51	156	17980	5.076	ug/l	87
78) n-propylbenzene	11.61	91	86556	5.141	ug/l	96
79) 2-Chlorotoluene	11.74	91	48766	5.211	ug/l	98
80) 1,3,5-Trimethylbenzene	11.85	105	60177	5.046	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.89	75	3230m	3.418	ug/l	
82) 4-Chlorotoluene	11.92	91	49653	5.175	ug/l	95
83) tert-Butylbenzene	12.15	119	64356	5.155	ug/l	97
84) 1,2,4-Trimethylbenzene	12.22	105	60037	5.135	ug/l	98
85) sec-Butylbenzene	12.32	105	82317	5.097	ug/l	95
86) p-Isopropyltoluene	12.48	119	76662	5.479	ug/l	95
87) 1,3-Dichlorobenzene	12.49	146	35762	5.434	ug/l	96
88) 1,4-Dichlorobenzene	12.59	146	32772	5.103	ug/l	97
89) n-Butylbenzene	12.86	91	65694	4.921	ug/l	97
90) Hexachloroethane	12.93	117	15982	4.797	ug/l	96
91) 1,2-Dichlorobenzene	12.96	146	30860	4.994	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	13.66	75	1684	4.464	ug/l	79

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ClientSampleId :
VSTDICC005

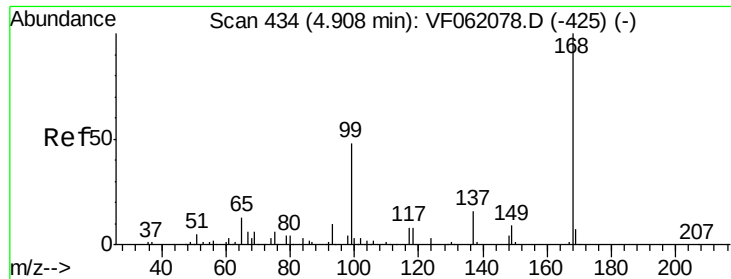
Manual Integrations
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3/27/2019 11:57:08 AM

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Quant Title : SW846 8260
QLast Update : Sat Mar 23 00:41:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.22	180	22673	5.264	ug/l	85
94) Hexachlorobutadiene	14.21	225	14854	5.187	ug/l	96
95) Naphthalene	14.47	128	33359	4.420	ug/l	98
96) 1,2,3-Trichlorobenzene	14.62	180	19553	4.850	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.91 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 306733

Ion Ratio Lower Upper

168 100

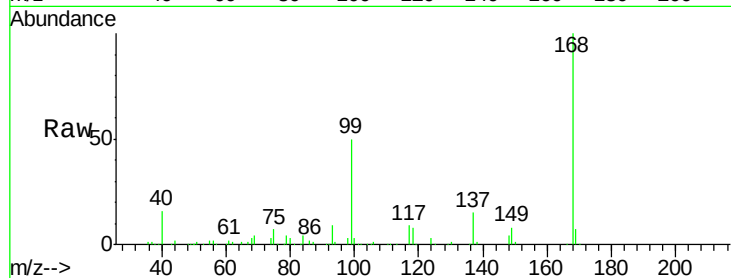
99 50.3 38.2 57.4

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

4.91

100000

80000

60000

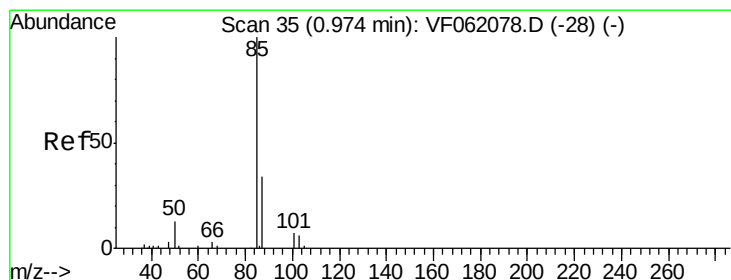
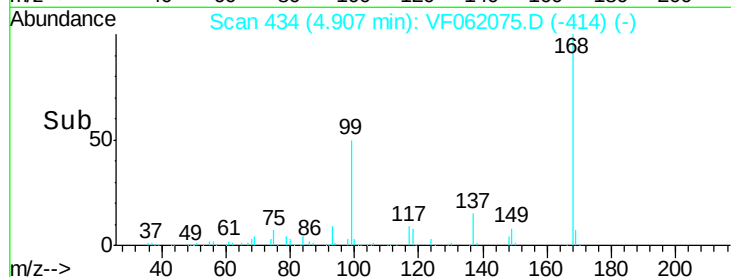
40000

20000

0

Time-->

4.70 4.80 4.90 5.00 5.10



#2

Dichlorodifluoromethane

Concen: 4.602 ug/l

RT: 0.97 min Scan# 35

Delta R.T. -0.00 min

Lab File: VF062075.D

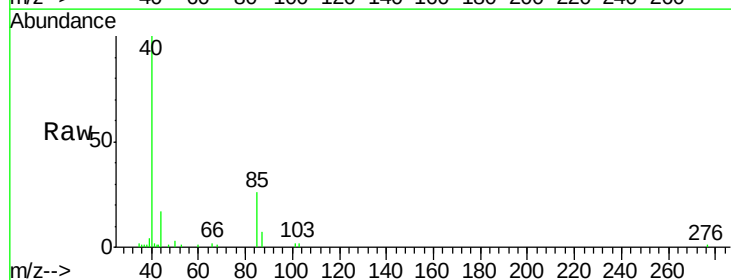
Acq: 22 Mar 2019 10:35

Tgt Ion: 85 Resp: 18084

Ion Ratio Lower Upper

85 100

87 27.0 17.0 51.0



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.97

5000

4000

3000

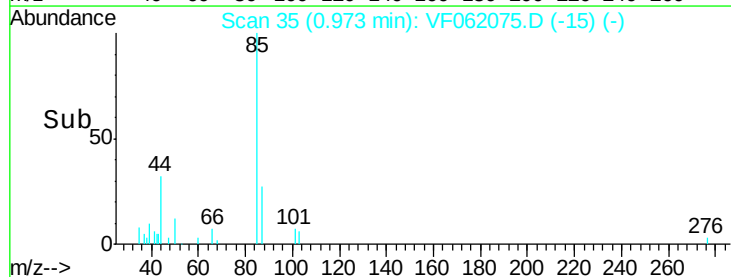
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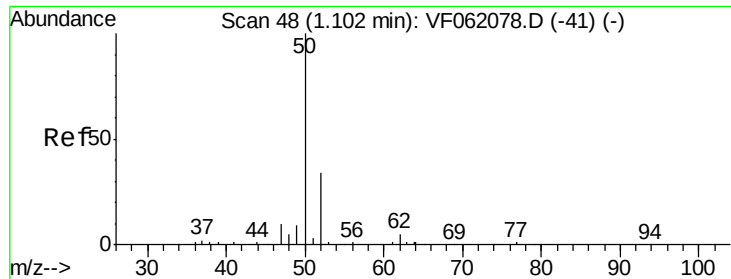
1000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 4.994 ug/l

RT: 1.11 min Scan# 49

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 20535

Ion Ratio Lower Upper

50 100

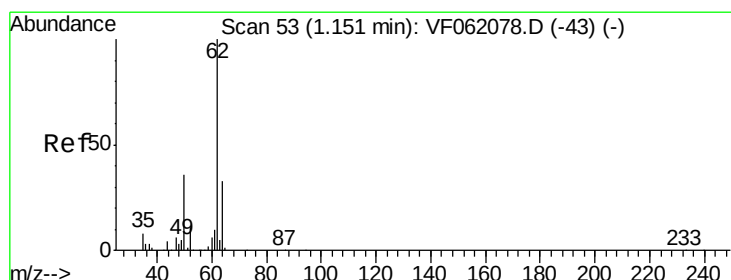
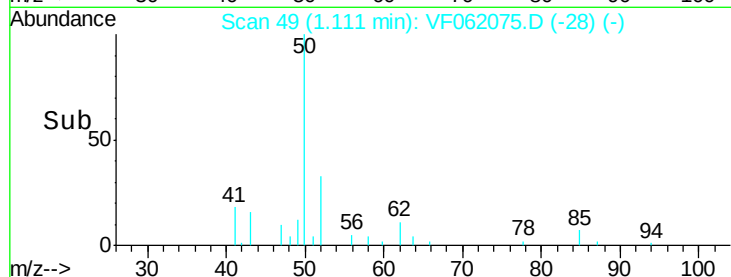
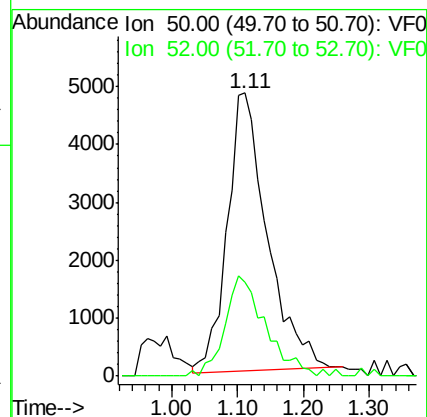
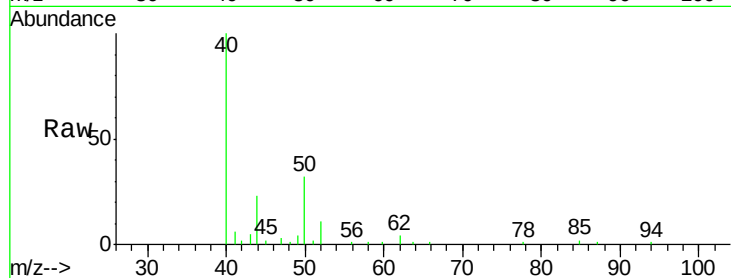
52 33.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.801 ug/l

RT: 1.14 min Scan# 52

Delta R.T. -0.01 min

Lab File: VF062075.D

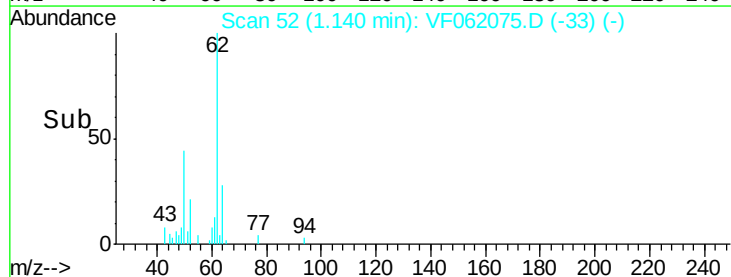
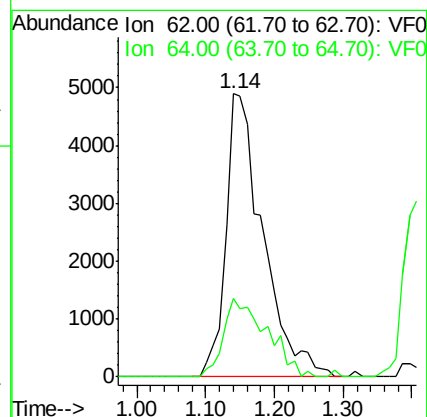
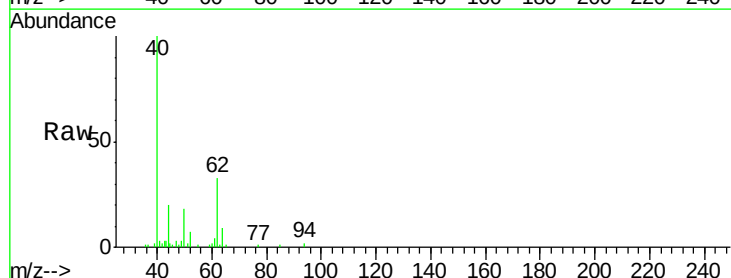
Acq: 22 Mar 2019 10:35

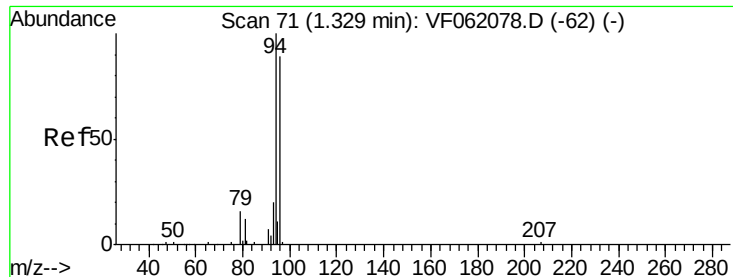
Tgt Ion: 62 Resp: 18258

Ion Ratio Lower Upper

62 100

64 27.8 26.2 39.2





#5

Bromomethane

Concen: 5.377 ug/l

RT: 1.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 14701

Ion Ratio Lower Upper

94 100

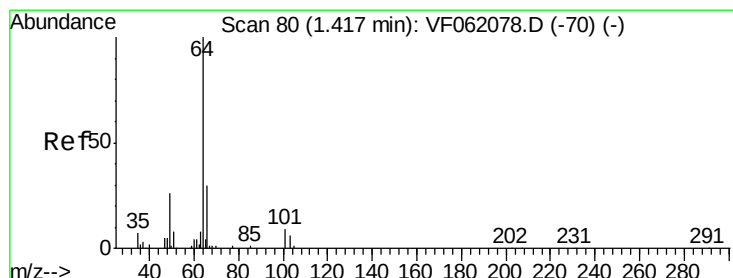
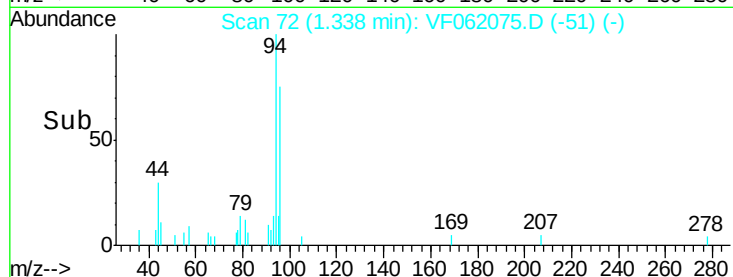
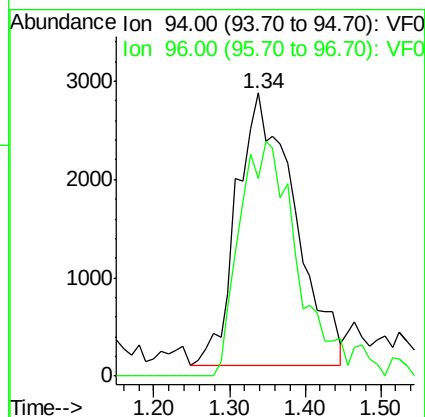
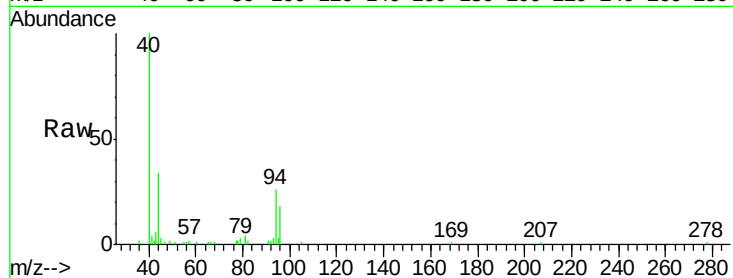
96 70.0 70.9 106.3#

Manual Integrations

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#6

Chloroethane

Concen: 5.225 ug/l

RT: 1.41 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF062075.D

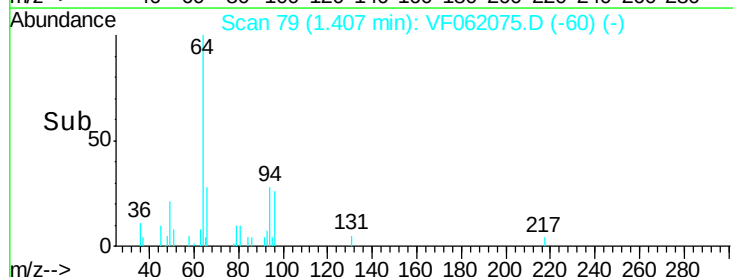
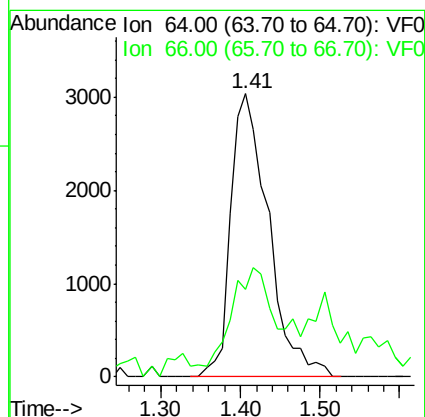
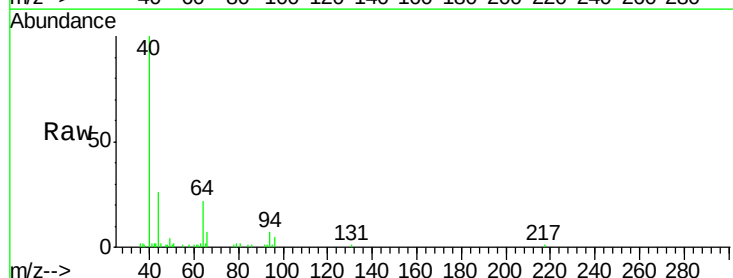
Acq: 22 Mar 2019 10:35

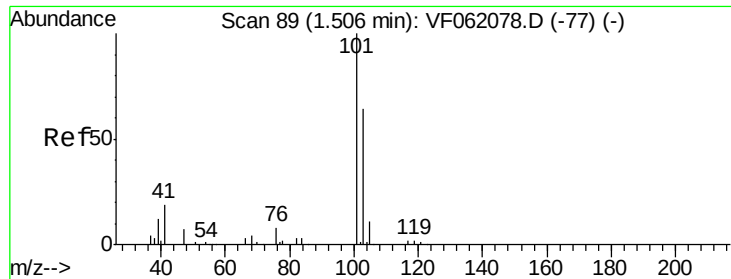
Tgt Ion: 64 Resp: 10003

Ion Ratio Lower Upper

64 100

66 30.8 24.5 36.7





#7

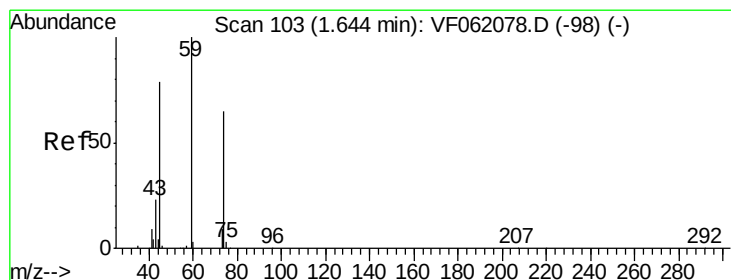
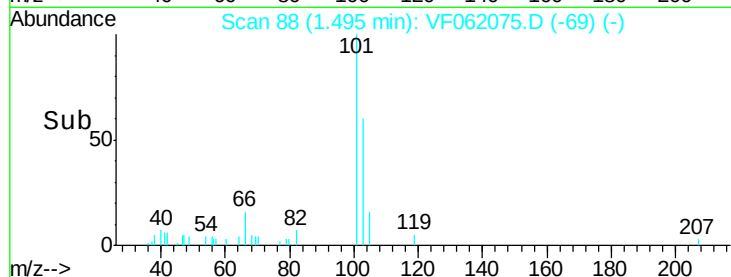
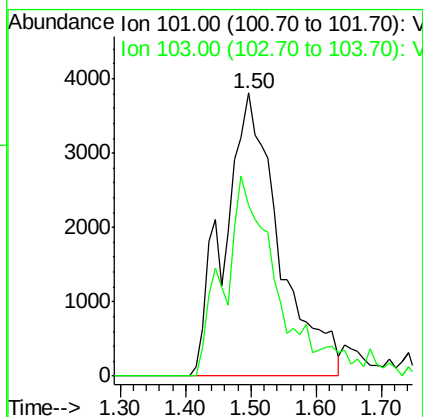
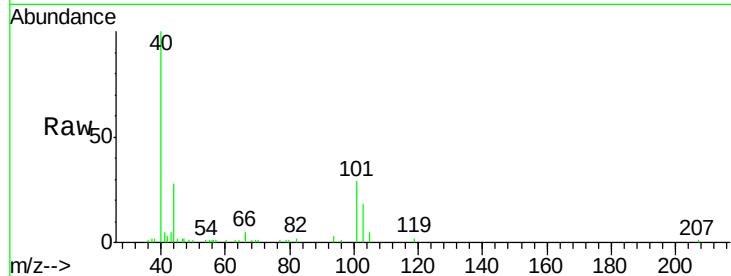
Trichlorofluoromethane
Concen: 4.993 ug/l m
RT: 1.50 min Scan# 88
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

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ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.2	51.5	77.3

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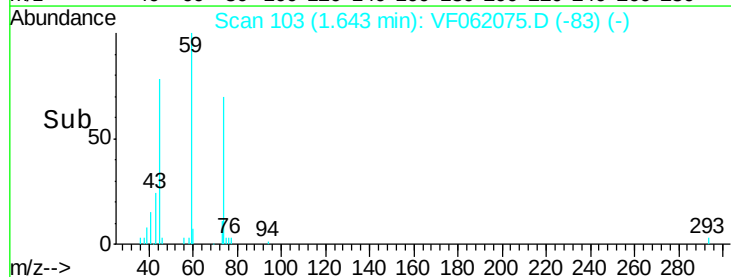
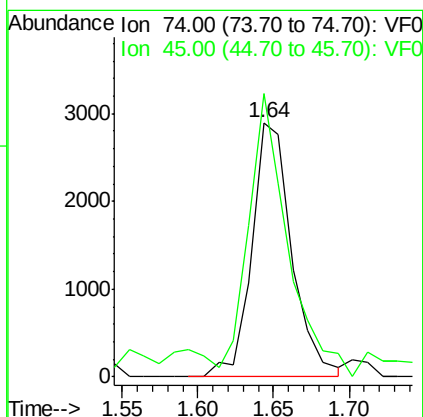
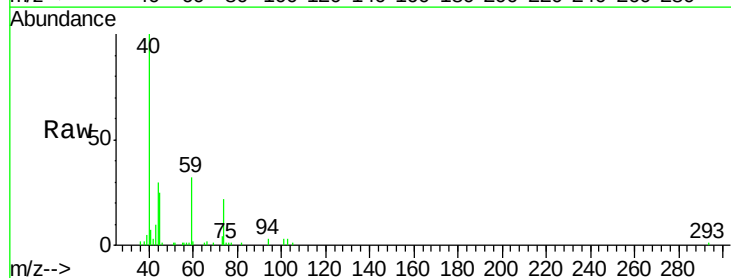
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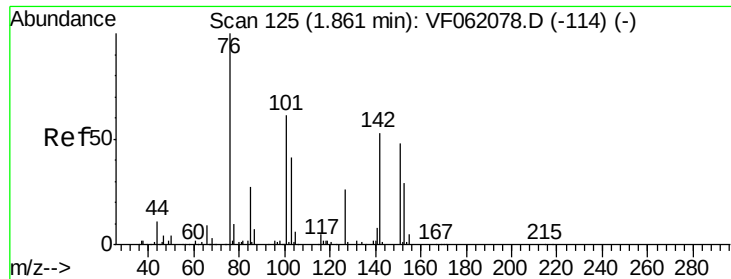


#8

Diethyl Ether
Concen: 5.101 ug/l
RT: 1.64 min Scan# 103
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.3	61.4	184.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.018 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

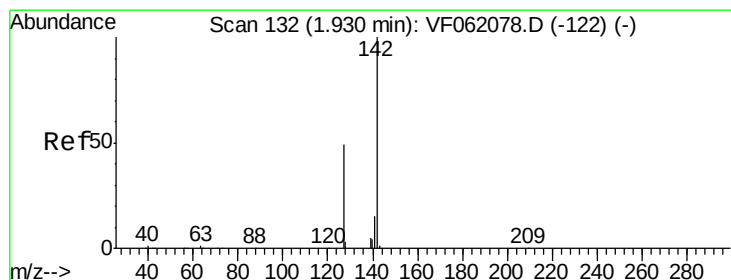
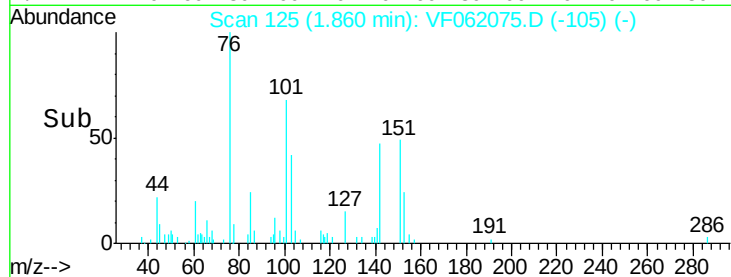
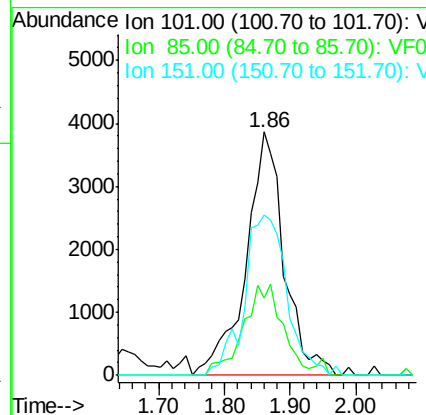
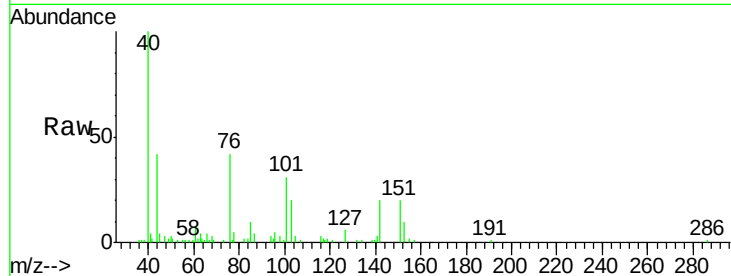
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	31.8	34.6	52.0#
151	65.9	61.7	92.5

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#10

Methyl Iodide

Concen: 4.978 ug/l m

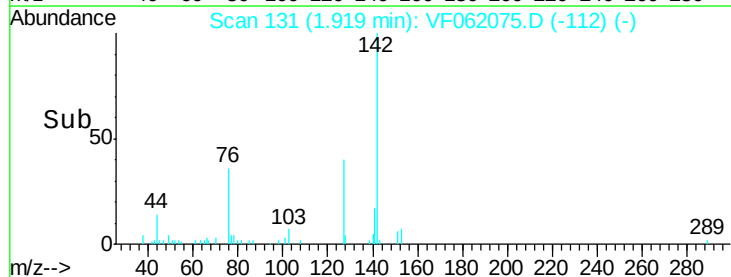
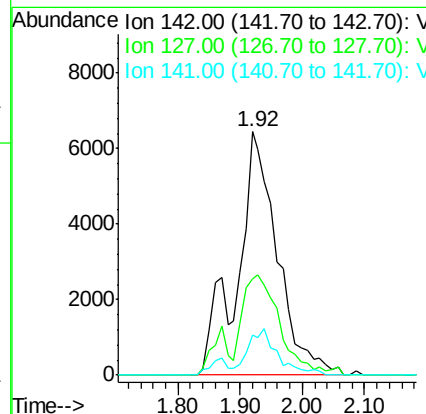
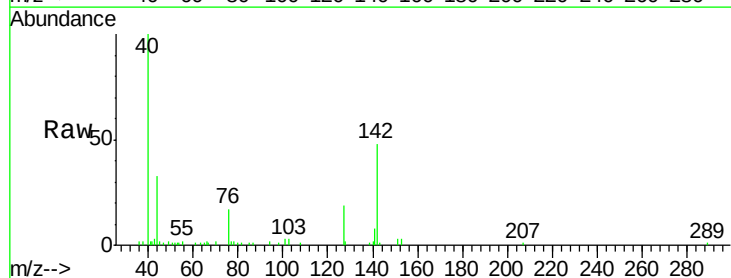
RT: 1.92 min Scan# 131

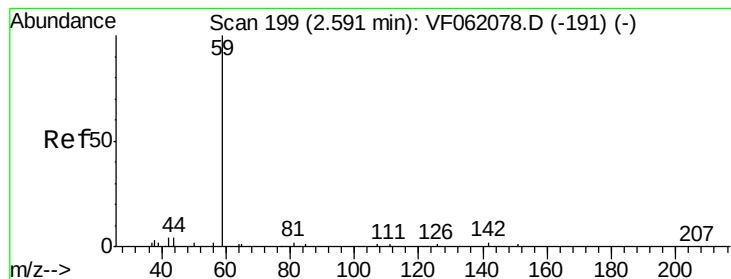
Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.8	39.1	58.7
141	16.5	12.2	18.4





#11

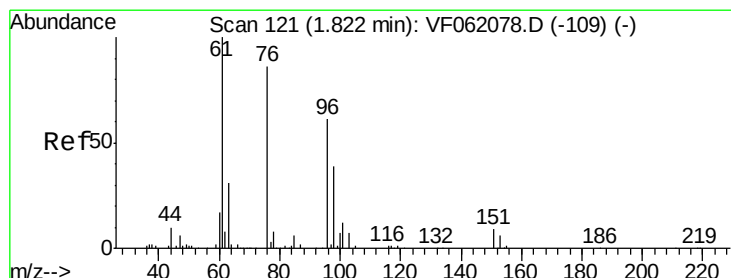
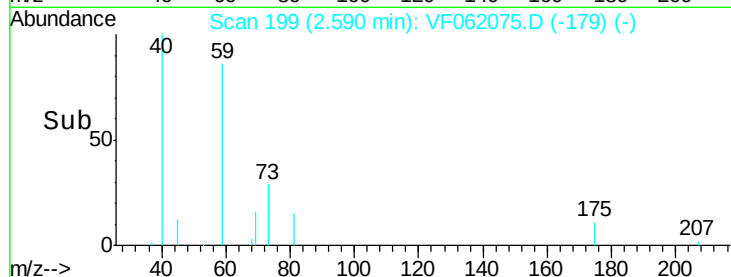
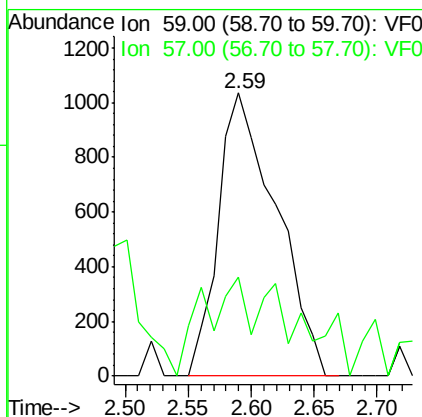
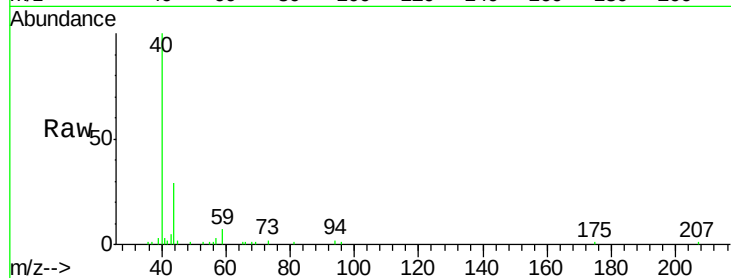
Tert butyl alcohol
Concen: 26.384 ug/l
RT: 2.59 min Scan# 199
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	59	Resp	3312
Ion Ratio	100	Lower	Upper
57	35.1	11.0	16.4#

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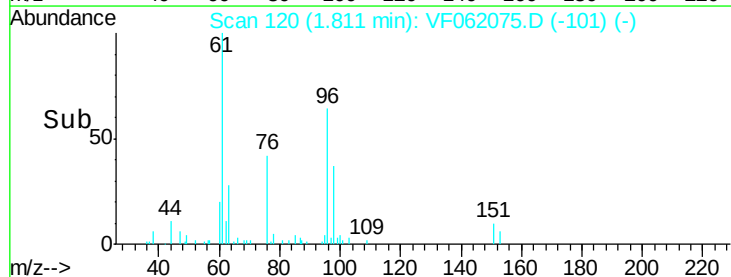
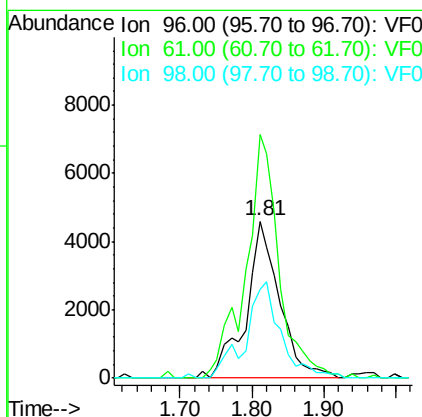
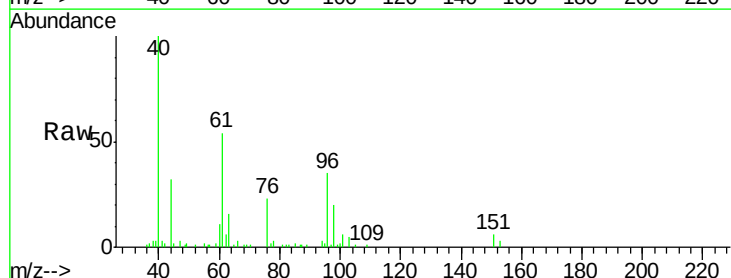
MMDadoda
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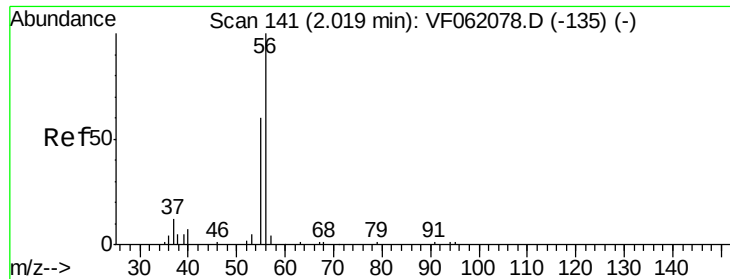


#12

1,1-Dichloroethene
Concen: 5.047 ug/l
RT: 1.81 min Scan# 120
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	96	Resp	14922
Ion Ratio	100	Lower	Upper
61	155.2	131.0	196.6
98	56.8	51.5	77.3





#13

Acrolein

Concen: 19.438 ug/l m

RT: 2.02 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 2941

Ion Ratio Lower Upper

56 100

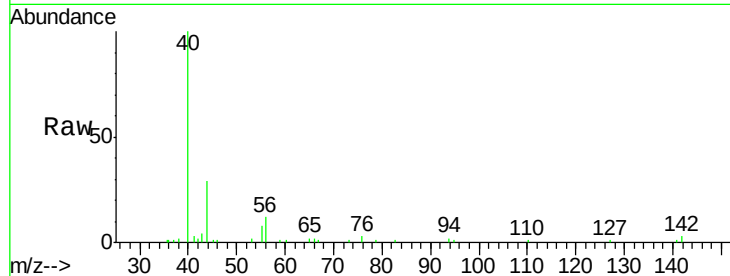
55 67.5 49.0 73.4

Manual Integrations

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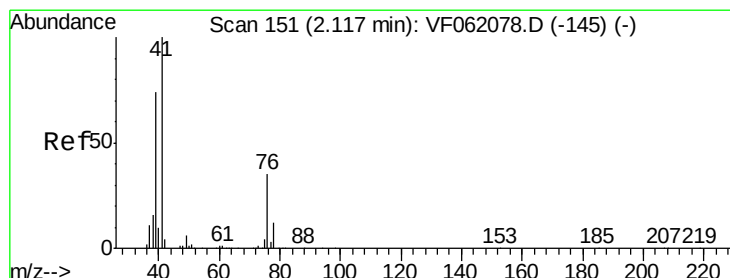
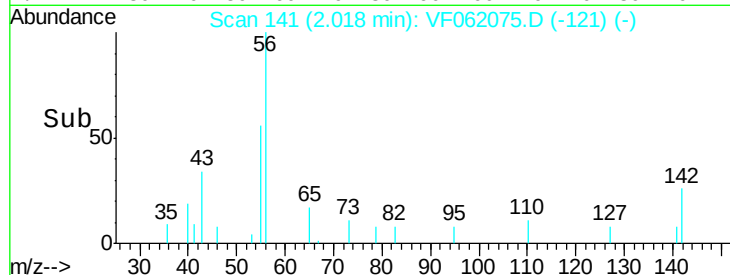
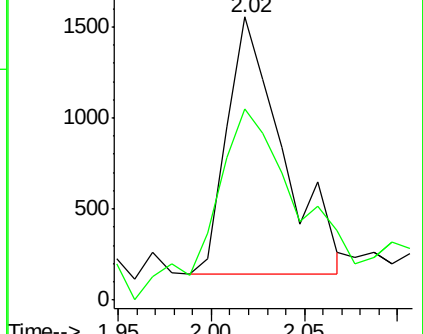
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 4.879 ug/l

RT: 2.12 min Scan# 151

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

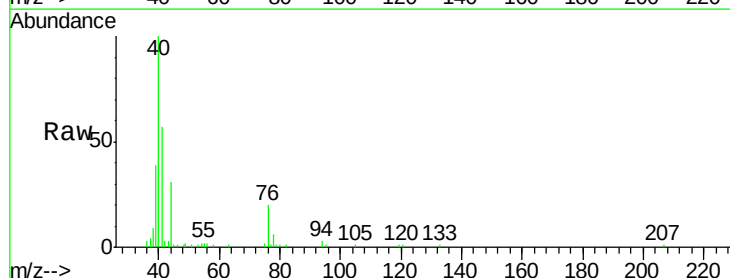
Tgt Ion: 41 Resp: 15403

Ion Ratio Lower Upper

41 100

39 67.8 59.8 89.8

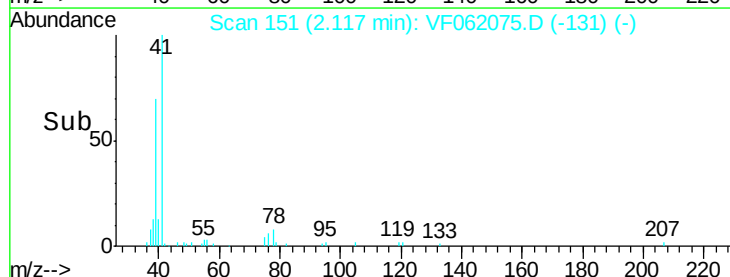
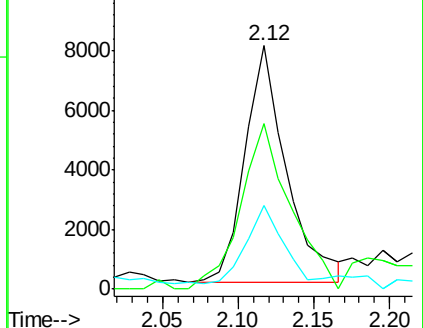
76 34.5 30.0 45.0

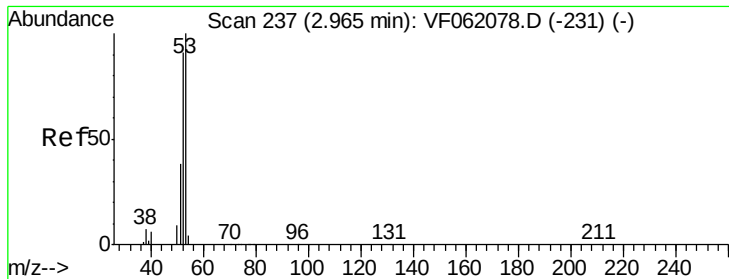


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 23.958 ug/l

RT: 2.96 min Scan# 237

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

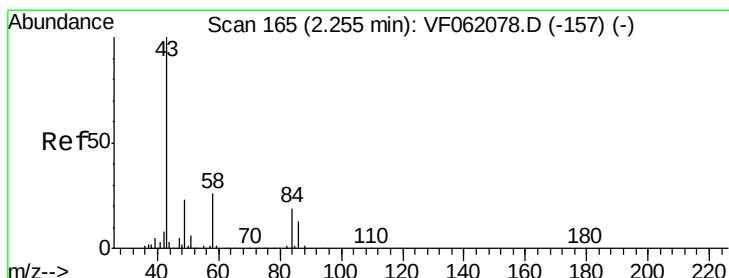
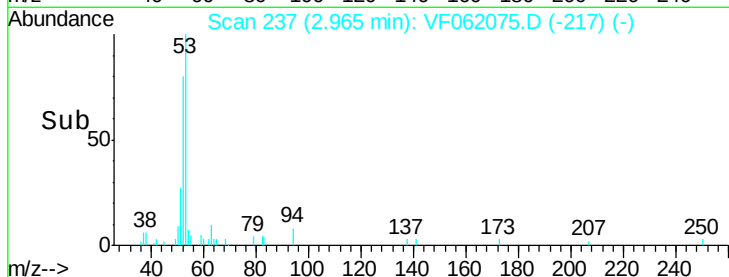
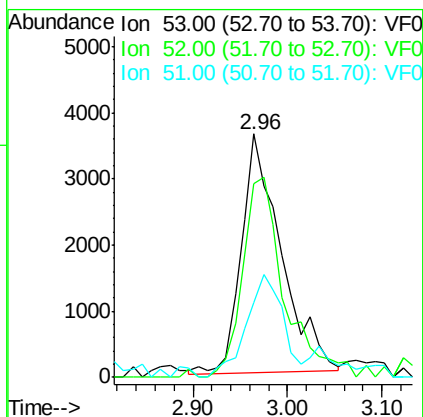
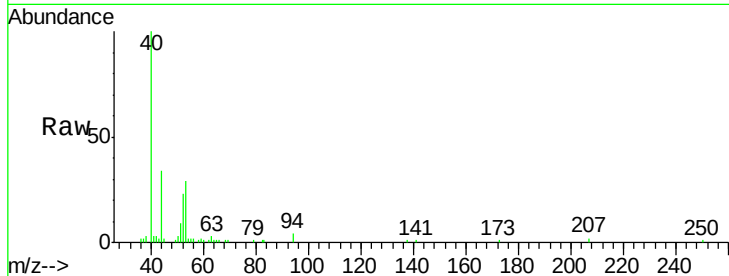
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10576
Ion	Ratio	Lower	Upper
53	100		
52	79.5	72.3	108.5
51	30.5	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 23.125 ug/l

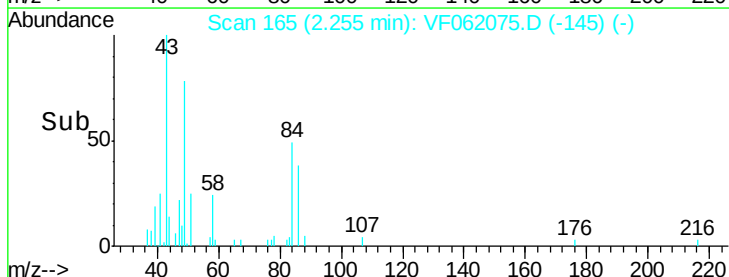
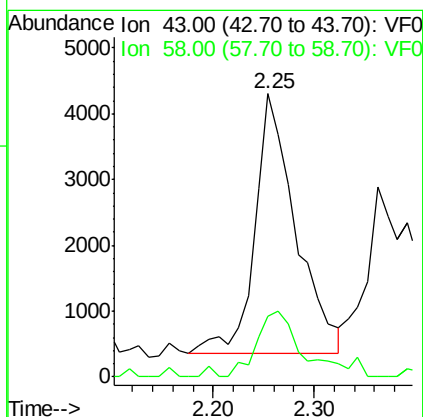
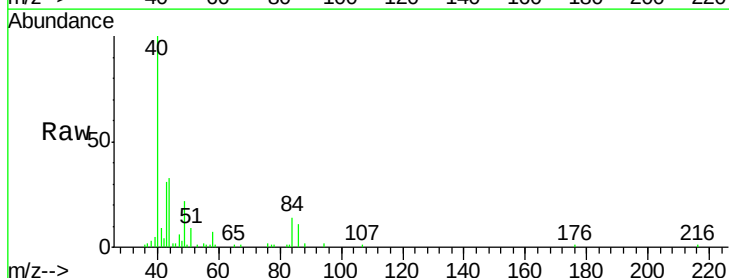
RT: 2.25 min Scan# 165

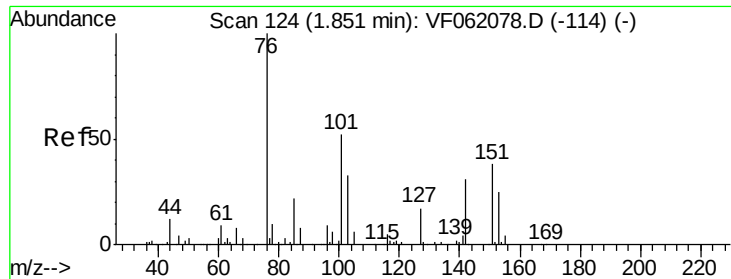
Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	43	Resp:	11104
Ion	Ratio	Lower	Upper
43	100		
58	21.6	20.8	31.2





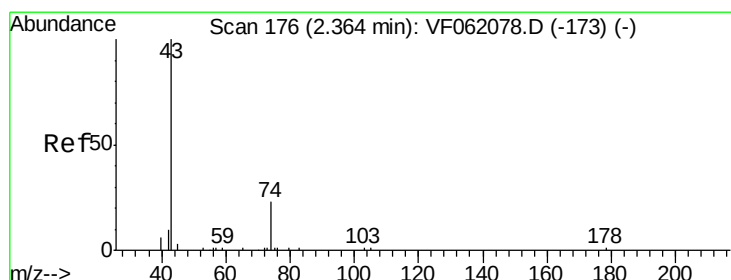
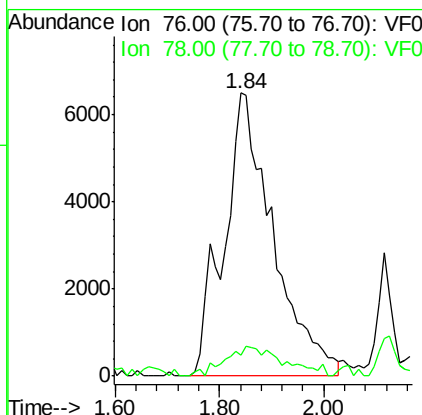
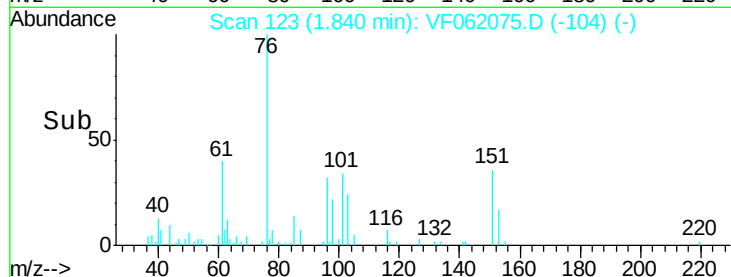
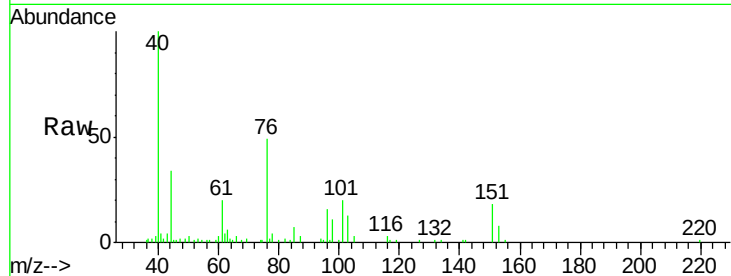
#17
Carbon Disulfide
Concen: 4.850 ug/l m
RT: 1.84 min Scan# 123
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 42865
Ion Ratio Lower Upper
76 100
78 7.3 7.9 11.9#

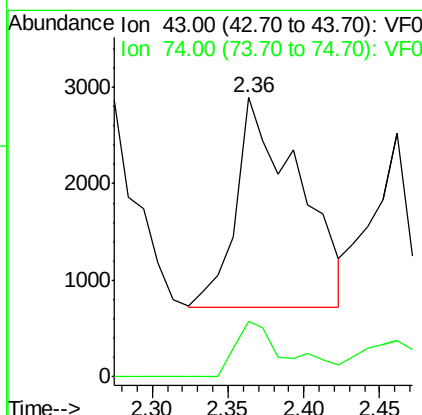
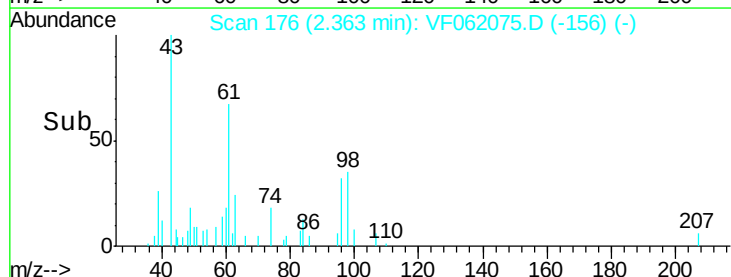
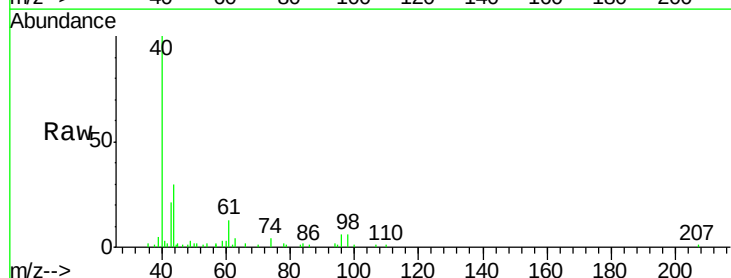
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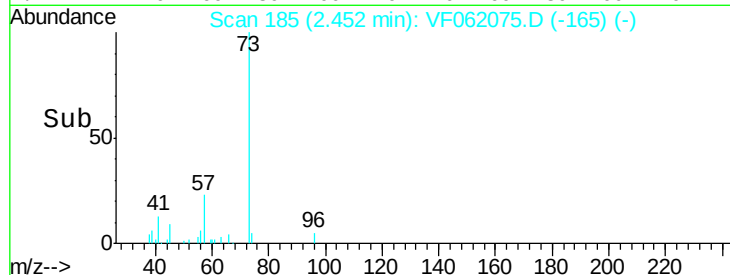
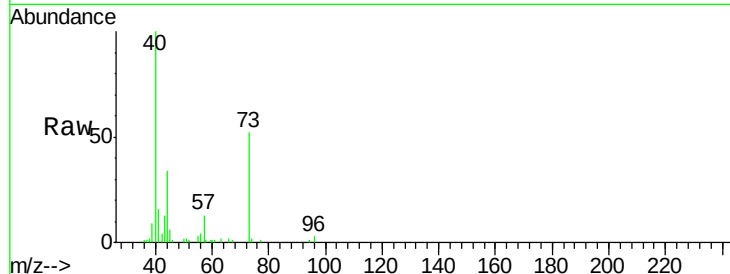
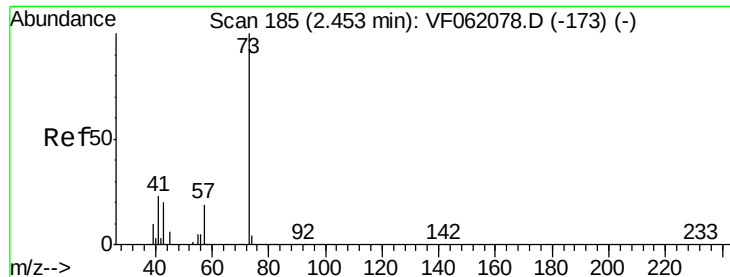
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#18
Methyl Acetate
Concen: 5.562 ug/l m
RT: 2.36 min Scan# 176
Delta R.T. 0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 43 Resp: 6327
Ion Ratio Lower Upper
43 100
74 20.0 16.3 24.5





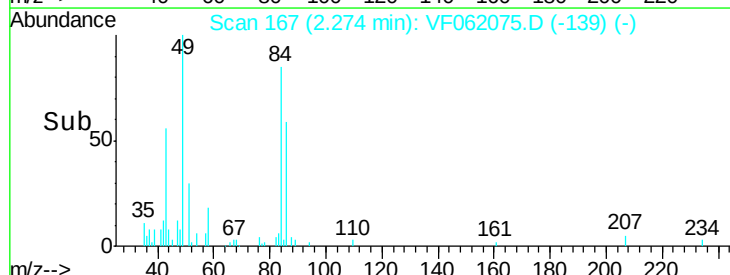
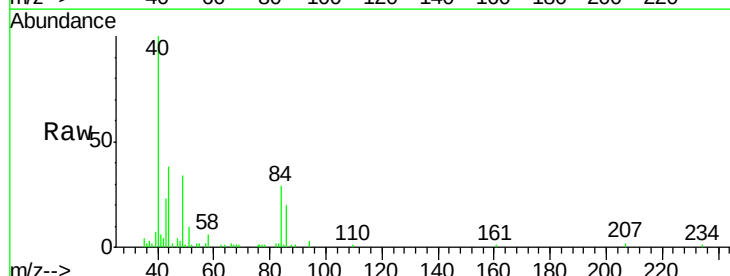
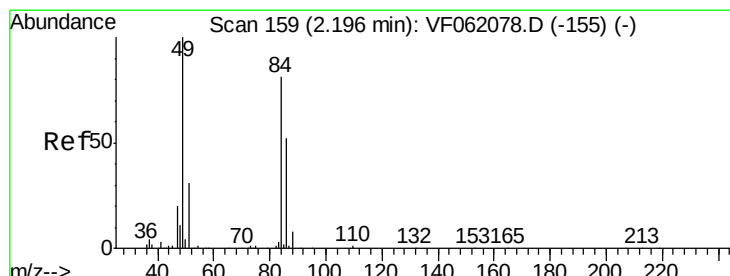
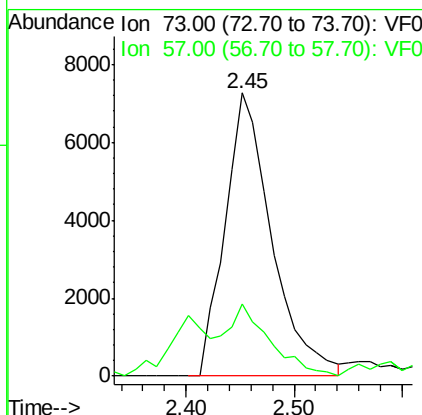
#19
Methyl tert-butyl Ether
Concen: 4.686 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tot Ion: 73 Resp: 21899
Ion Ratio Lower Upper
73 100
57 25.4 15.1 22.7#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

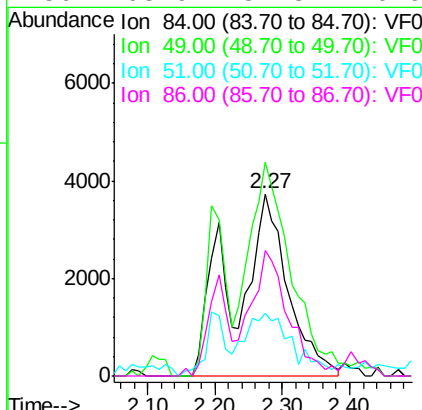
Manual Integrations
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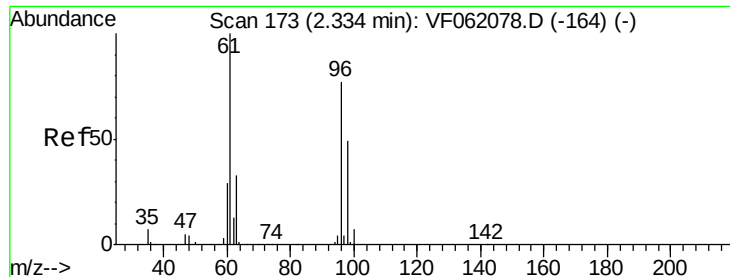
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3/27/2019 11:57:08 AM



#20
Methylene Chloride
Concen: 6.426 ug/l m
RT: 2.27 min Scan# 167
Delta R.T. 0.08 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 84 Resp: 20613
Ion Ratio Lower Upper
84 100
49 117.4 100.4 150.6
51 34.8 31.0 46.6
86 68.9 51.3 76.9





#21

trans-1,2-Dichloroethene

Concen: 5.277 ug/l

RT: 2.33 min Scan# 173

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

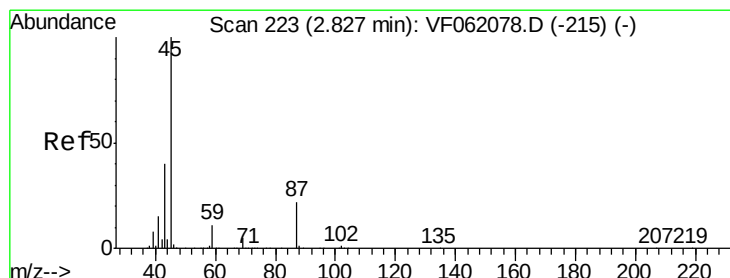
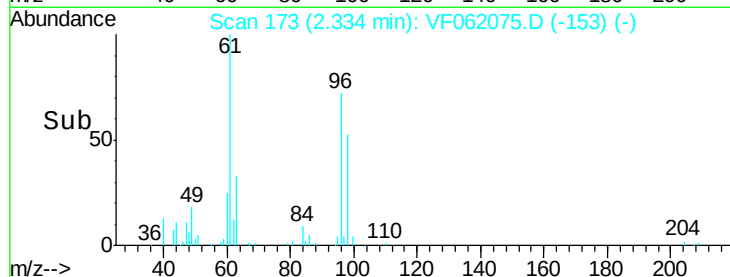
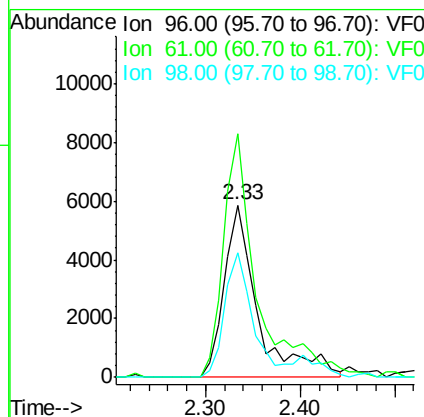
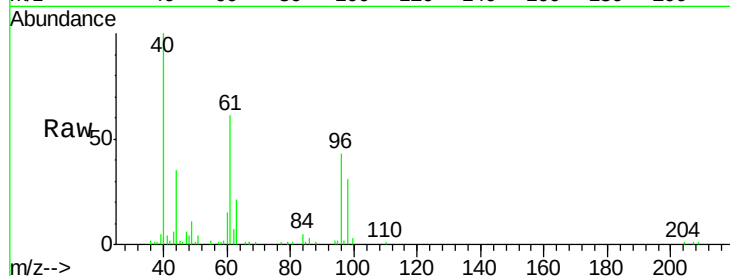
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	14501
Ion	Ratio	Lower	Upper
96	100		
61	141.5	104.5	156.7
98	72.7	51.2	76.8

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#22

Diisopropyl ether

Concen: 4.567 ug/l

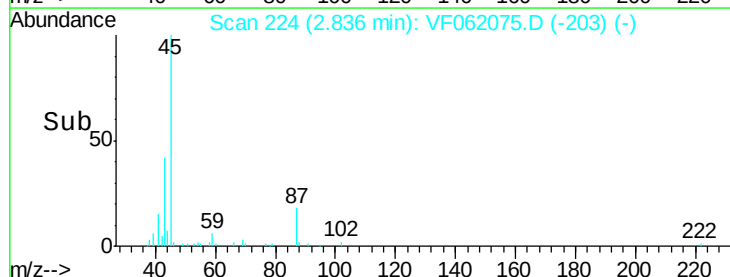
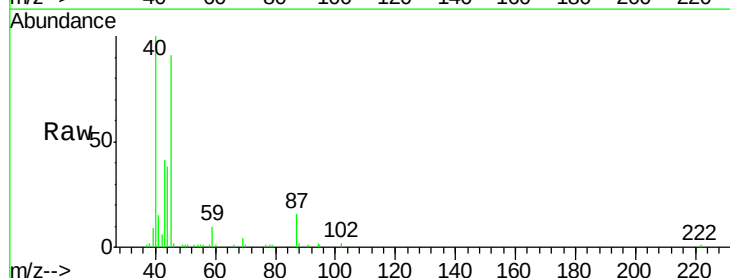
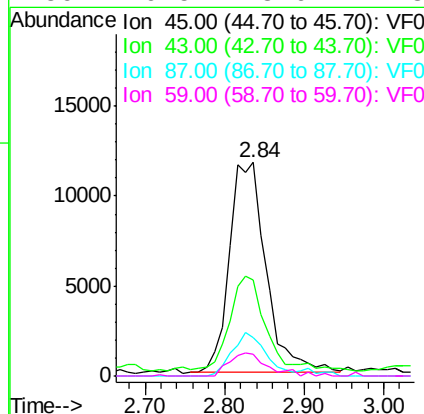
RT: 2.84 min Scan# 224

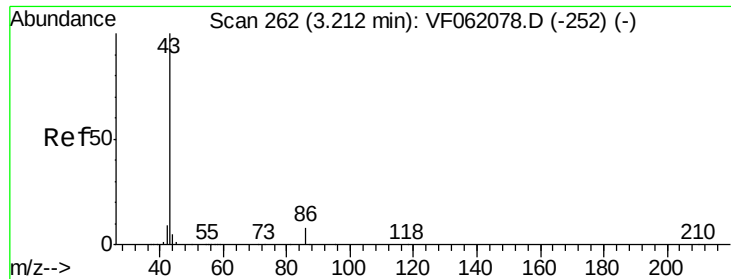
Delta R.T. 0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	45	Resp:	37802
Ion	Ratio	Lower	Upper
45	100		
43	44.7	32.5	48.7
87	17.8	17.4	26.2
59	10.5	8.6	12.8





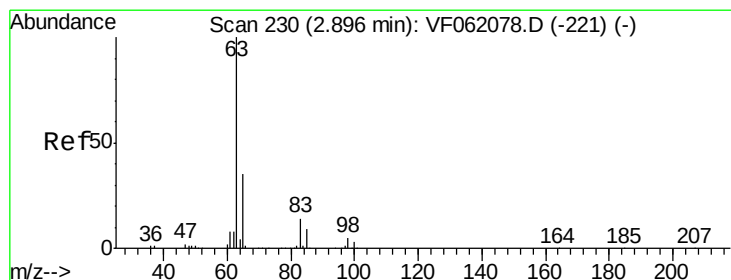
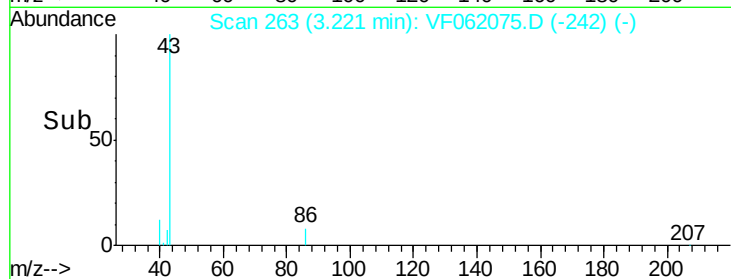
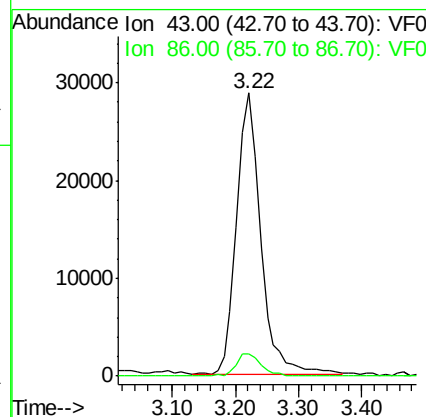
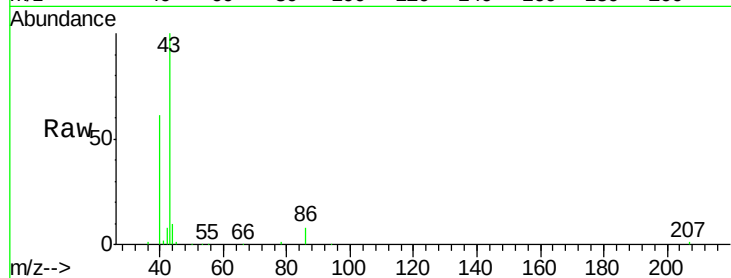
#23
 Vinyl Acetate
 Concen: 22.694 ug/l
 RT: 3.22 min Scan# 263
 Delta R.T. 0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	76901
Ion Ratio	100	Lower	Upper
43	100		
86	7.7	6.8	10.2

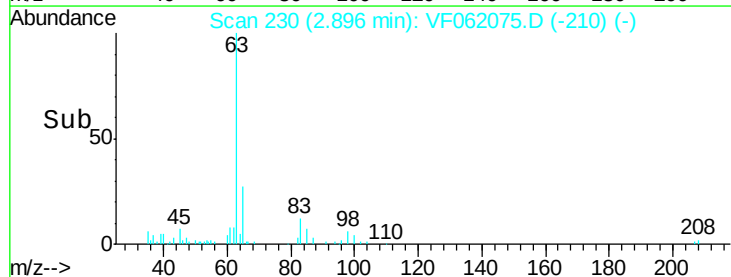
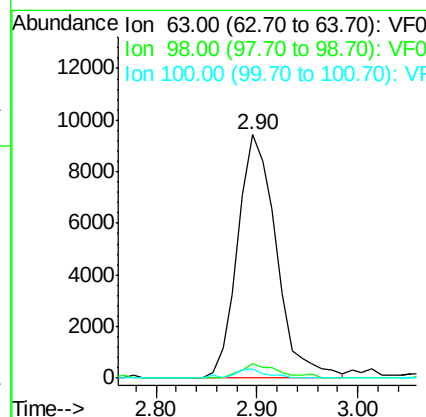
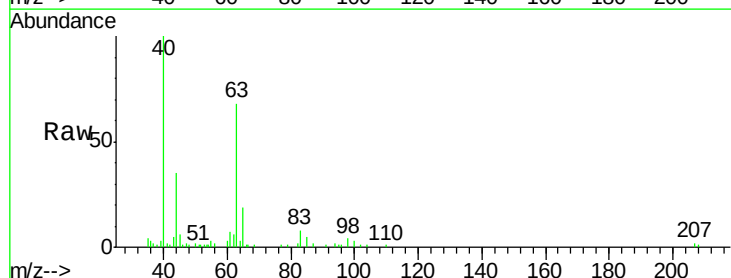
Manual Integrations
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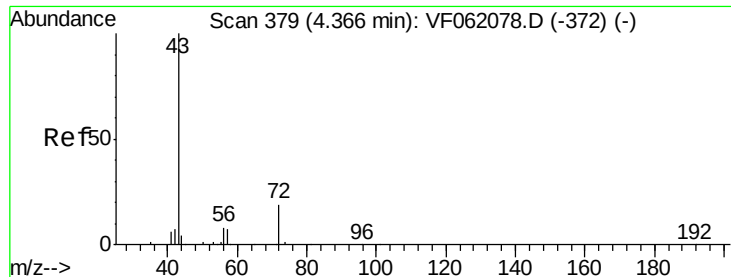
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 5.081 ug/l
 RT: 2.90 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	63	Resp	25216
Ion Ratio	100	Lower	Upper
63	100		
98	5.8	2.7	8.1
100	3.8	1.7	5.1





#25

2-Butanone

Concen: 25.086 ug/l

RT: 4.38 min Scan# 381

Delta R.T. 0.02 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25147

Ion Ratio Lower Upper

43 100

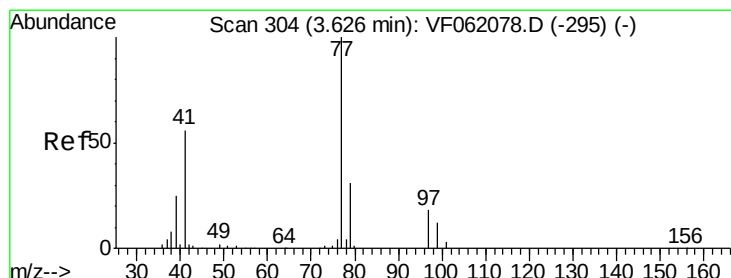
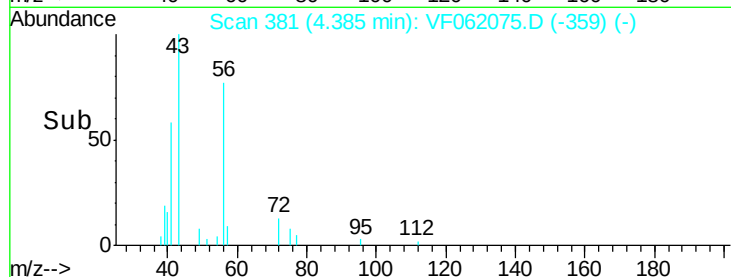
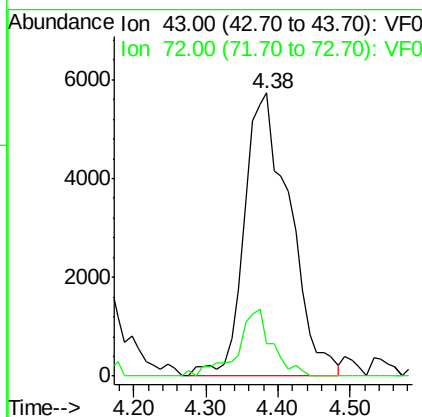
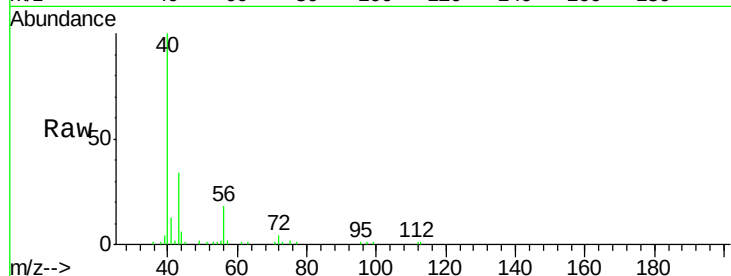
72 11.4 16.7 25.1#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 4.838 ug/l

RT: 3.63 min Scan# 304

Delta R.T. -0.00 min

Lab File: VF062075.D

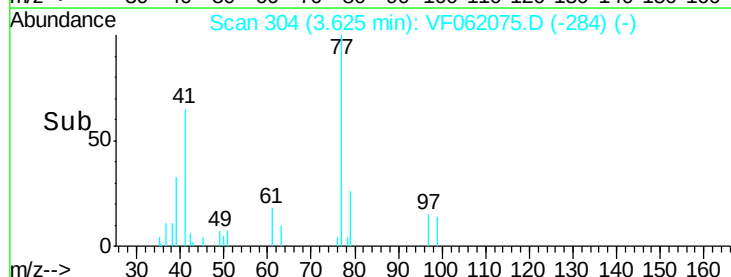
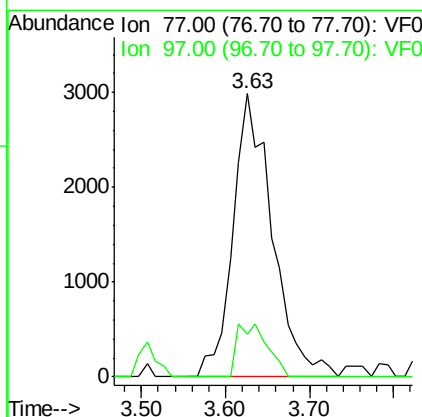
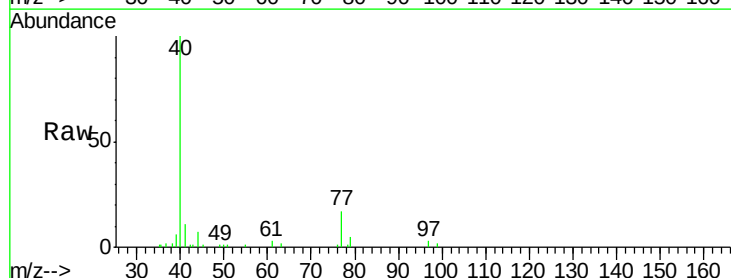
Acq: 22 Mar 2019 10:35

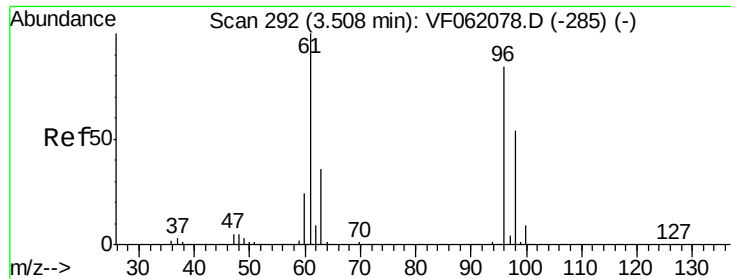
Tgt Ion: 77 Resp: 9735

Ion Ratio Lower Upper

77 100

97 15.1 10.3 30.9





#27

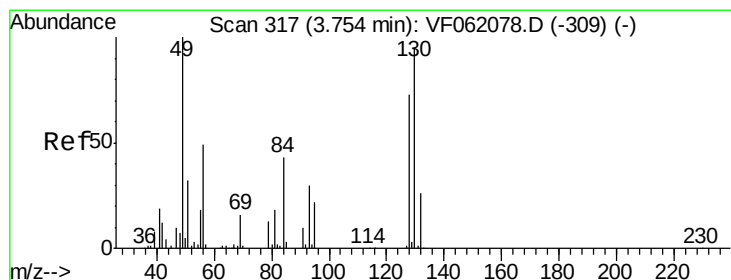
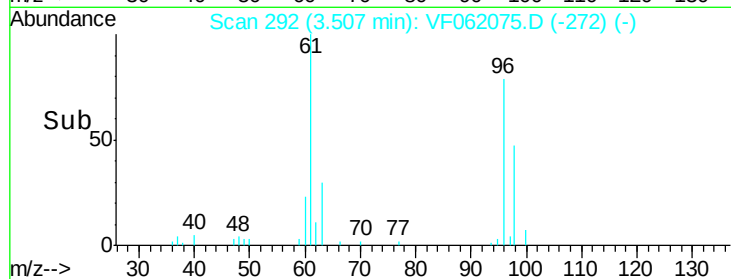
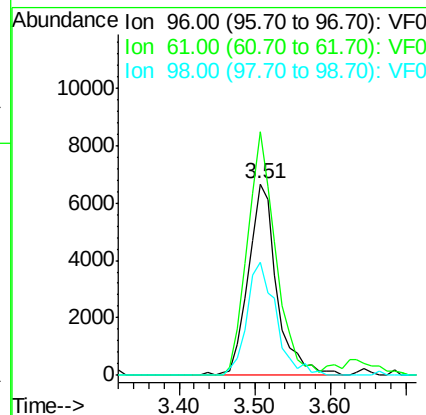
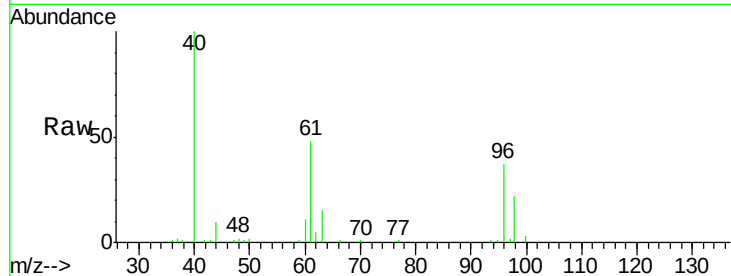
cis-1,2-Dichloroethene
Concen: 4.627 ug/l
RT: 3.51 min Scan# 292
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	127.4	0.0	239.0
98	59.2	0.0	128.2

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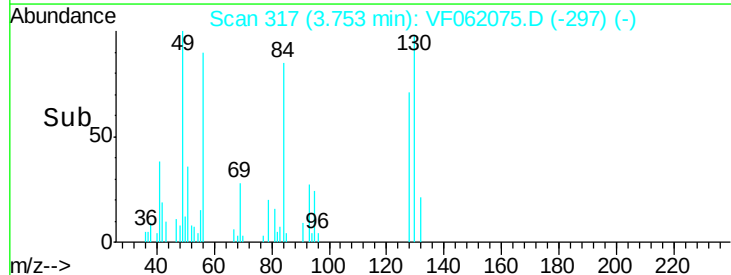
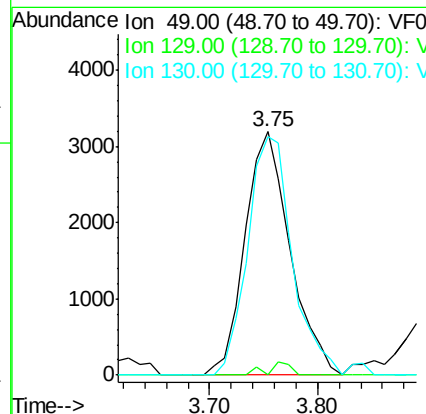
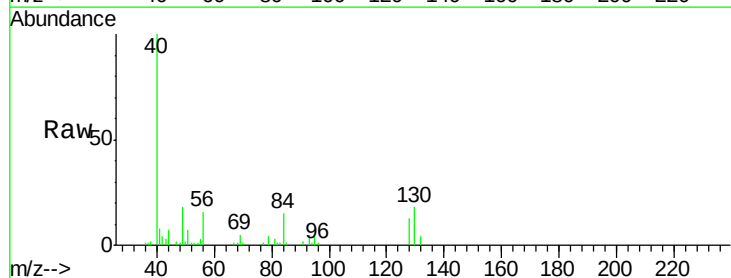
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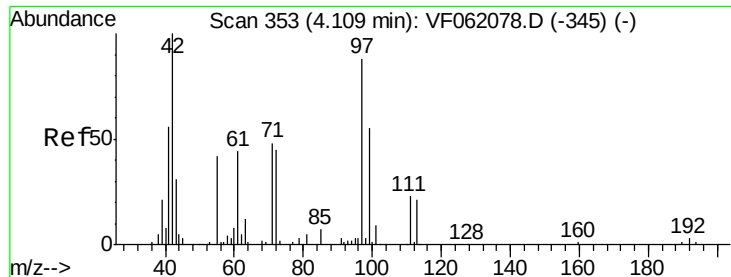


#28

Bromochloromethane
Concen: 4.598 ug/l
RT: 3.75 min Scan# 317
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	98.0	75.5	113.3





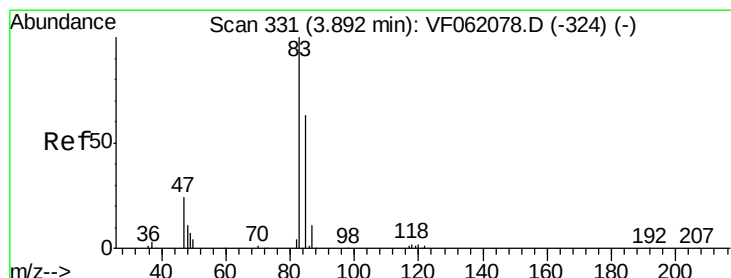
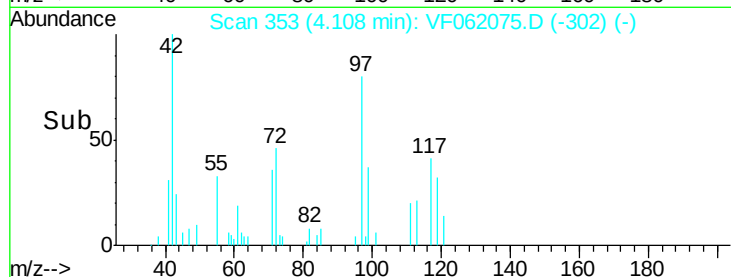
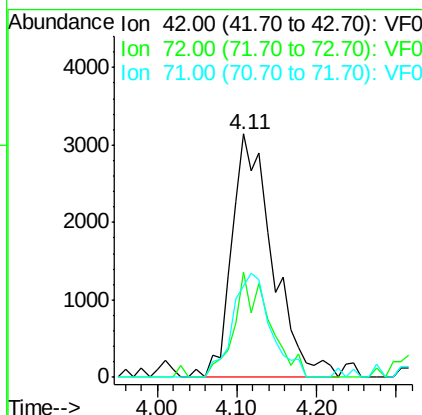
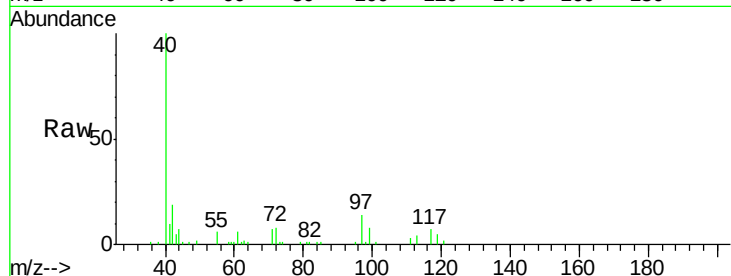
#29
Tetrahydrofuran
Concen: 25.711 ug/l
RT: 4.11 min Scan# 353
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.9	33.3	49.9
71	39.8	35.0	52.4

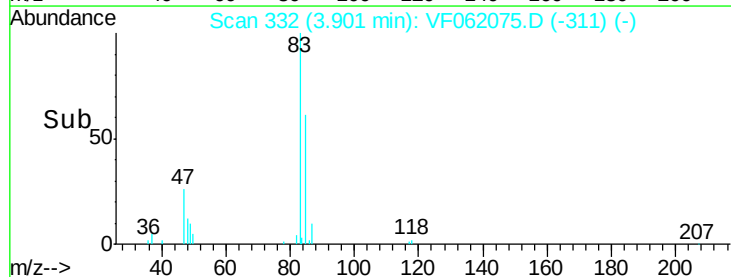
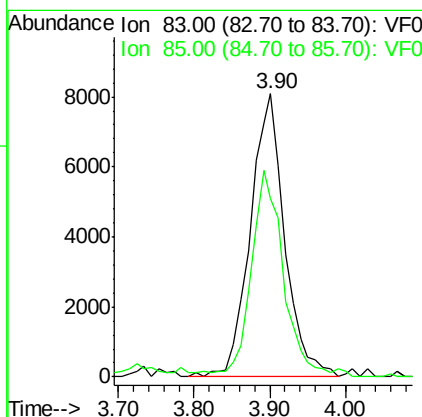
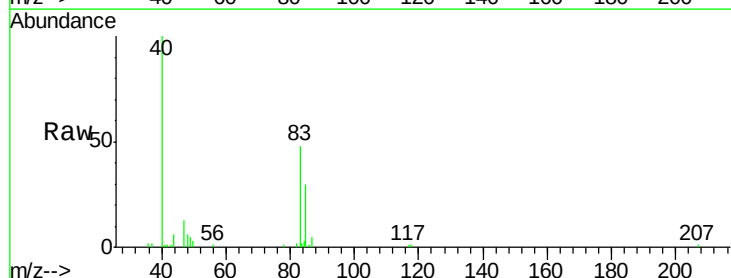
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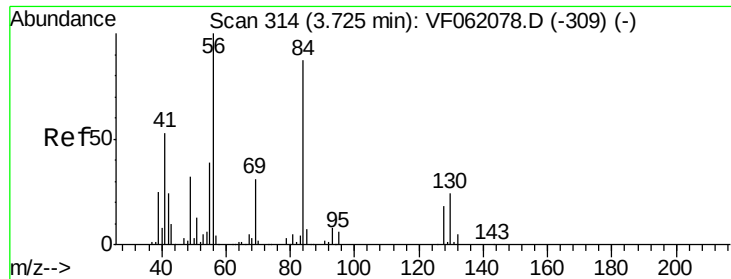
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#30
Chloroform
Concen: 4.870 ug/l
RT: 3.90 min Scan# 332
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.5	77.3





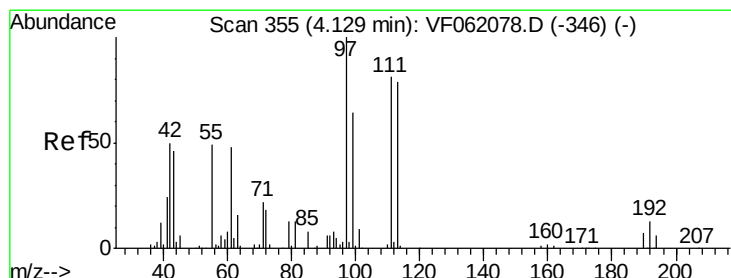
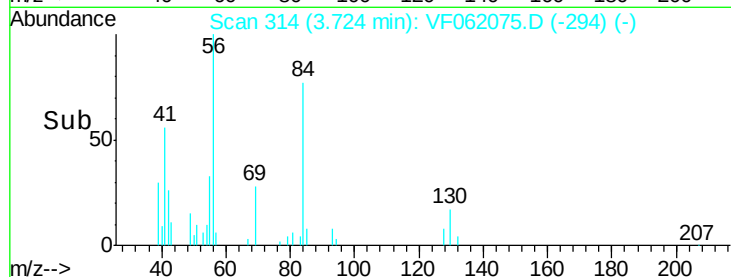
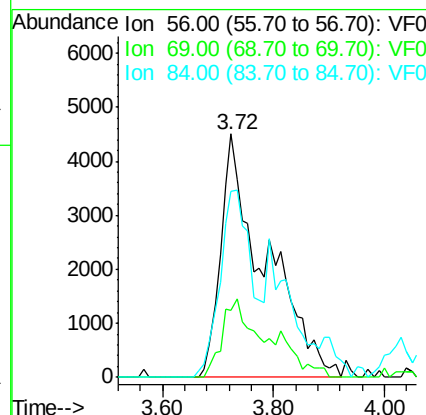
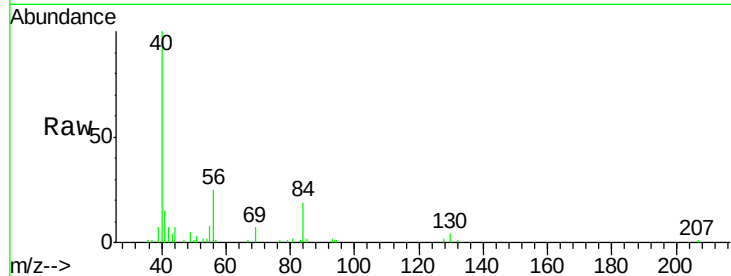
#31
Cyclohexane
Concen: 5.143 ug/l m
RT: 3.72 min Scan# 314
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	27.7	25.9	38.9
84	76.6	71.1	106.7

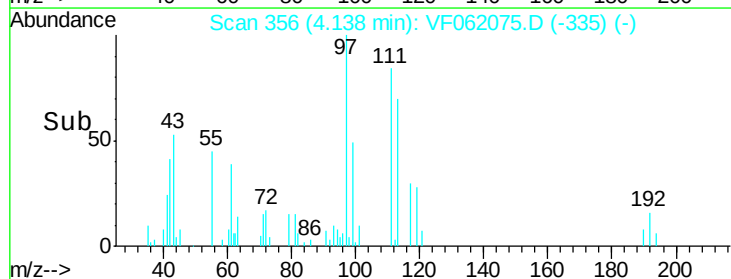
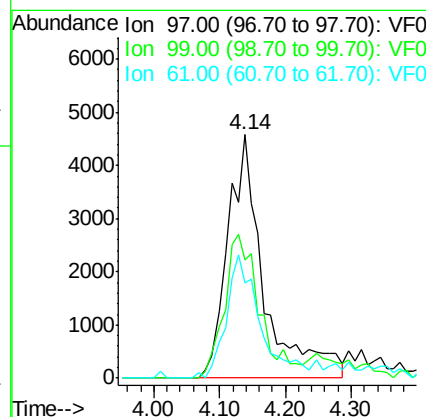
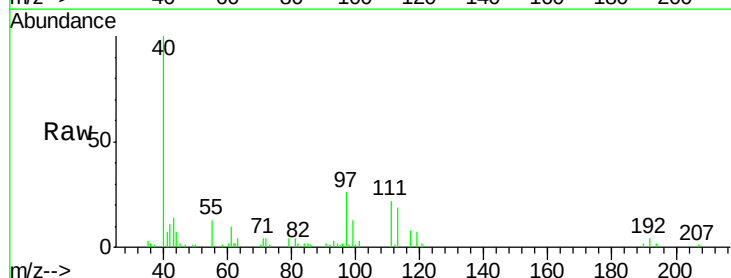
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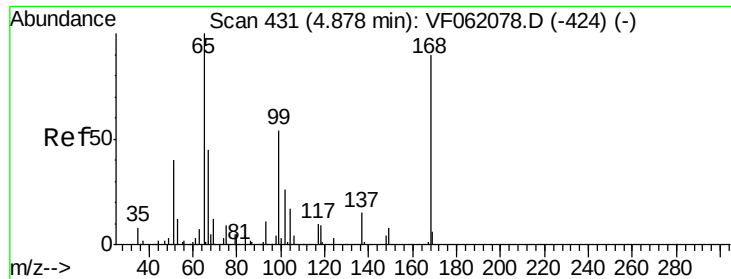
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#32
1,1,1-Trichloroethane
Concen: 5.527 ug/l
RT: 4.14 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	48.5	51.3	76.9#
61	39.3	39.0	58.6





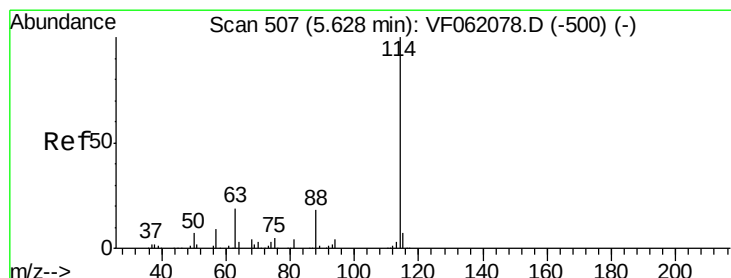
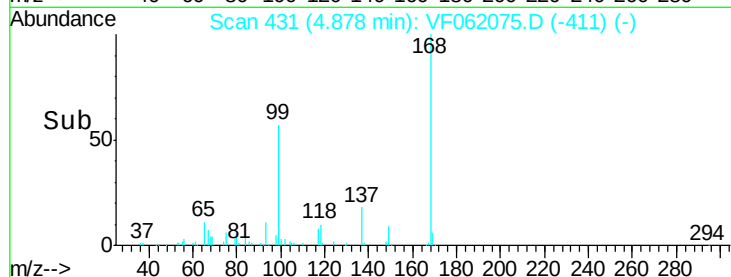
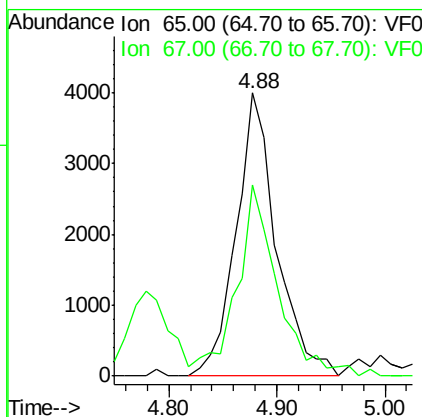
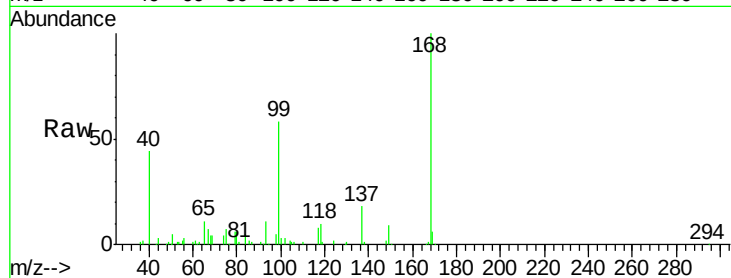
#33
 1,2-Dichloroethane-d4
 Concen: 4.528 ug/l
 RT: 4.88 min Scan# 431
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	67.4	0.0	106.2

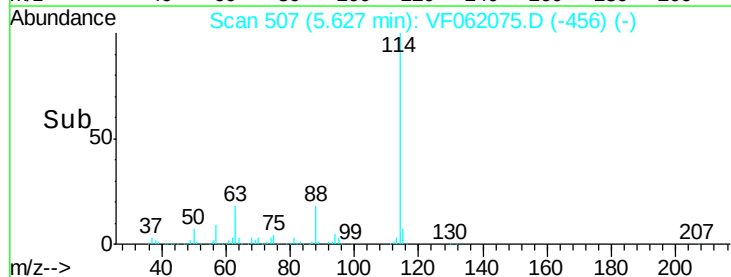
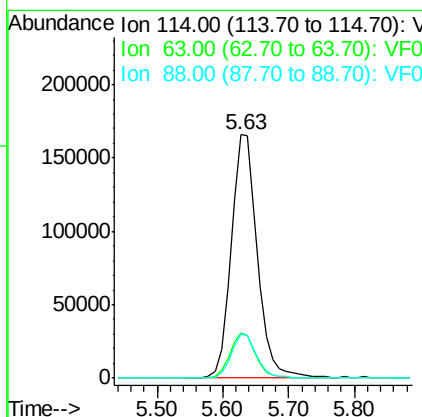
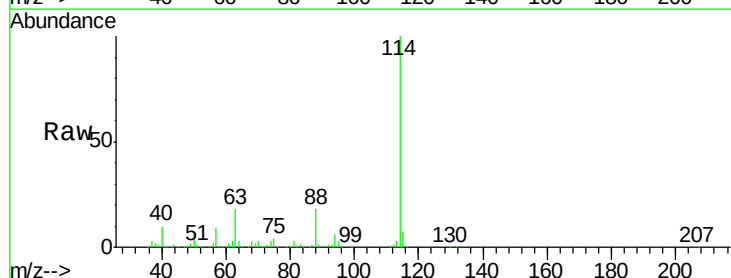
Manual Integrations
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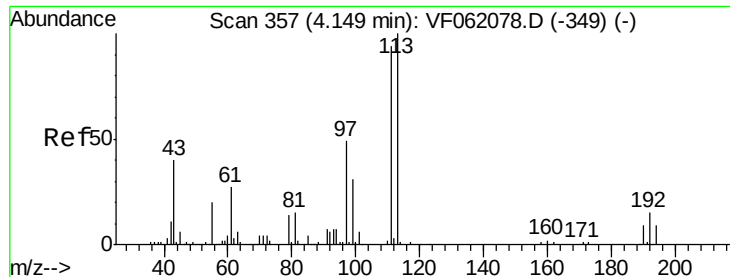
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	37.8
88	18.1	0.0	36.4





#35

Dibromofluoromethane

Concen: 4.450 ug/l

RT: 4.15 min Scan# 357

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

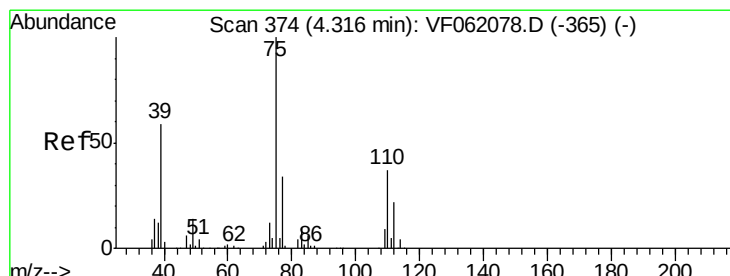
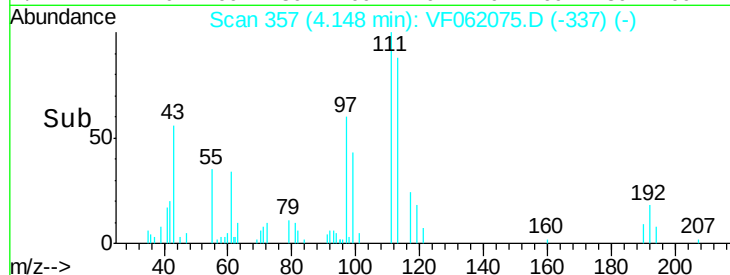
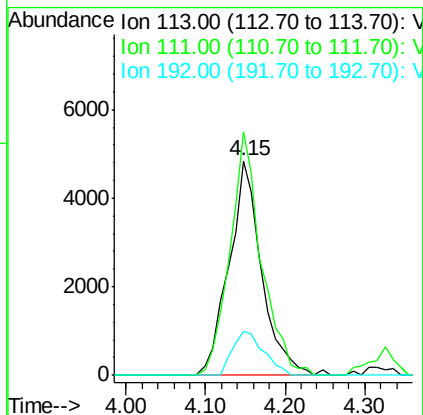
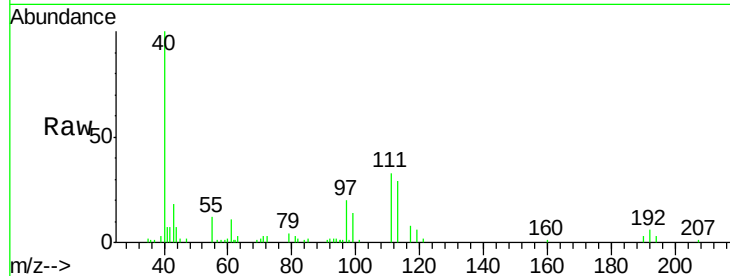
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	113.7	75.4	113.0#
192	20.3	12.3	18.5#

Manual Integrations
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3/27/2019 11:57:08 AM



#36

1,1-Dichloropropene

Concen: 4.867 ug/l

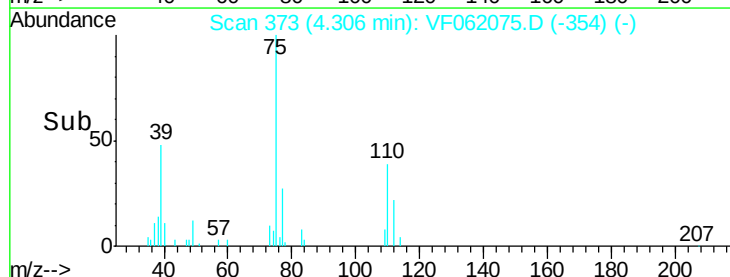
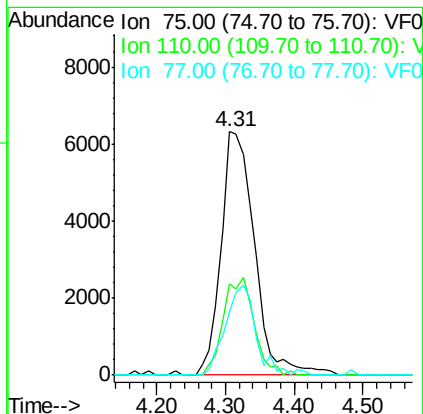
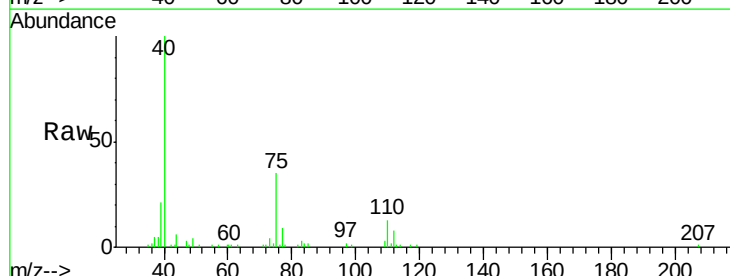
RT: 4.31 min Scan# 373

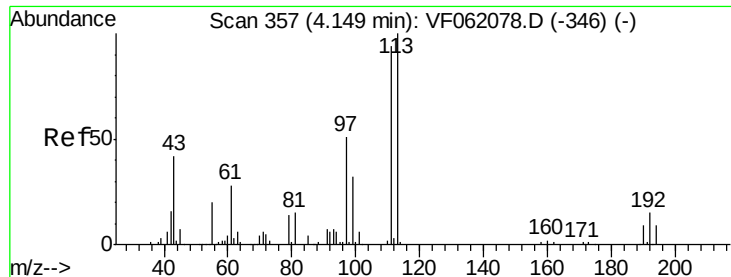
Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	18.5	55.5
77	26.1	27.4	41.0#





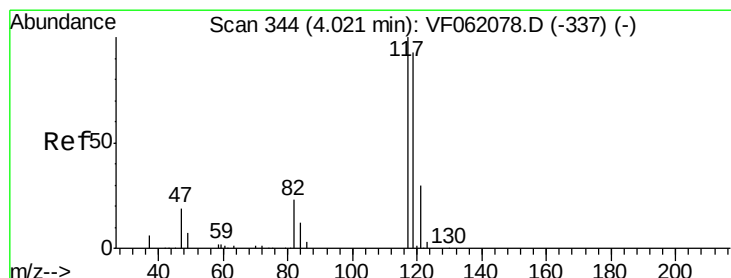
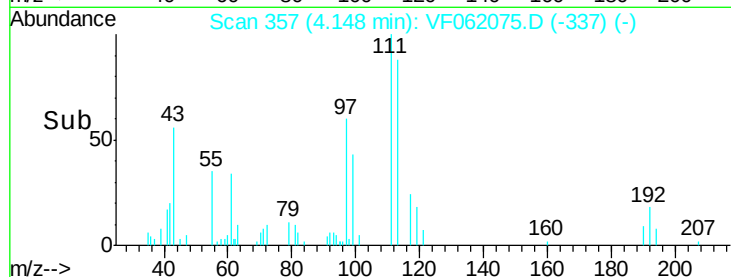
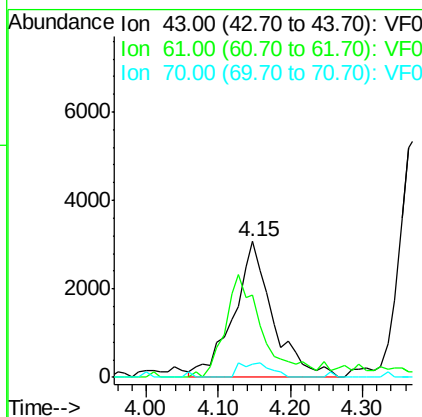
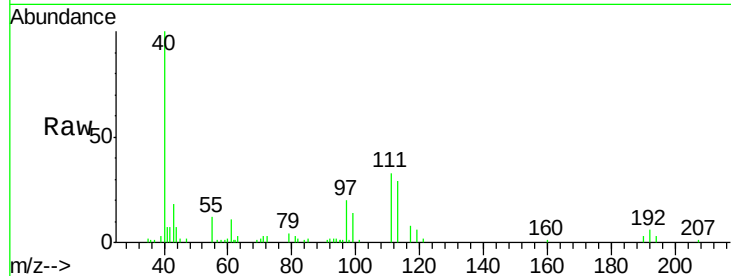
#37
Ethyl Acetate
Concen: 6.067 ug/l
RT: 4.15 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	11633
Ion Ratio	Lower	Upper	
43	100		
61	60.7	53.6	80.4
70	10.0	9.0	13.6

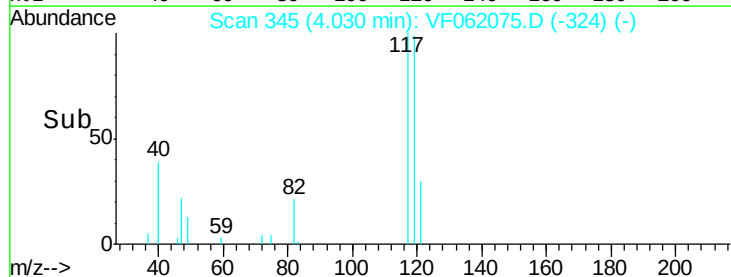
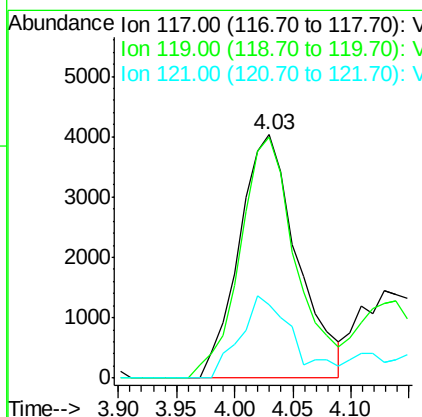
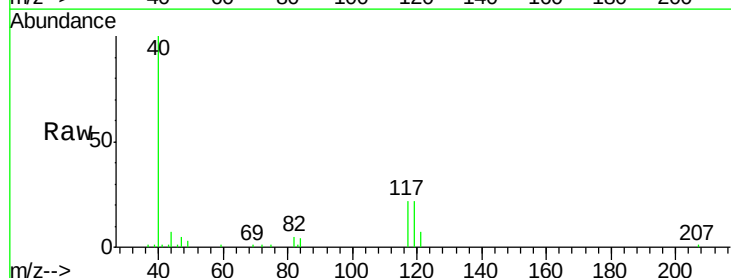
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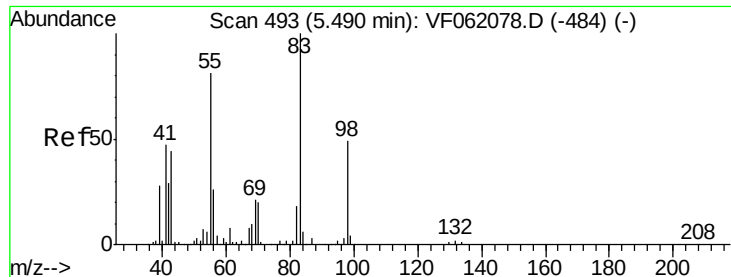
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#38
Carbon Tetrachloride
Concen: 4.674 ug/l
RT: 4.03 min Scan# 345
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	117	Resp	13978
Ion Ratio	Lower	Upper	
117	100		
119	99.2	74.7	112.1
121	30.0	23.6	35.4





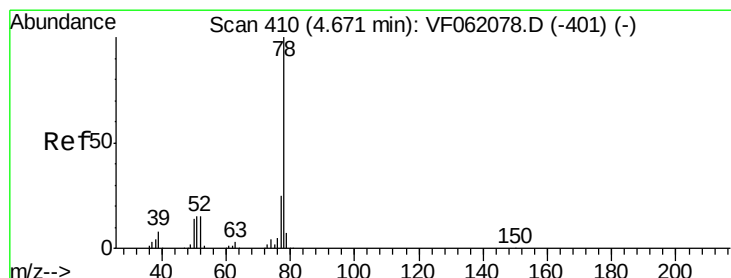
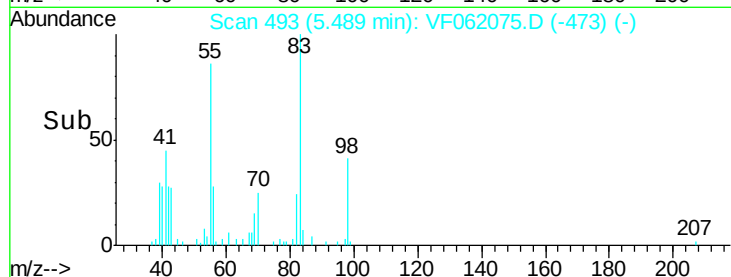
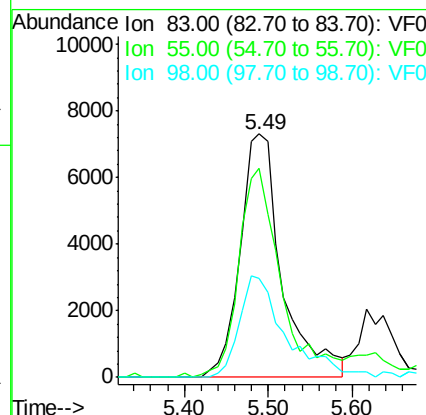
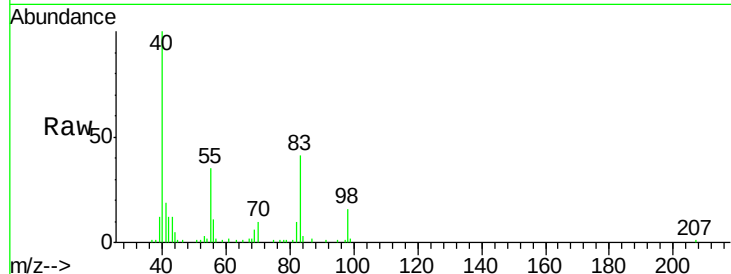
#39
Methylvlcyclohexane
Concen: 5.012 ug/l
RT: 5.49 min Scan# 493
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.6	64.5	96.7
98	40.7	39.1	58.7

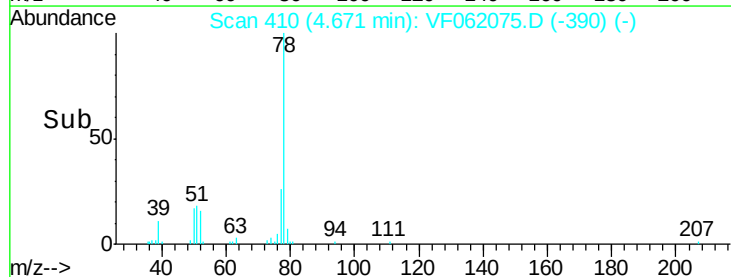
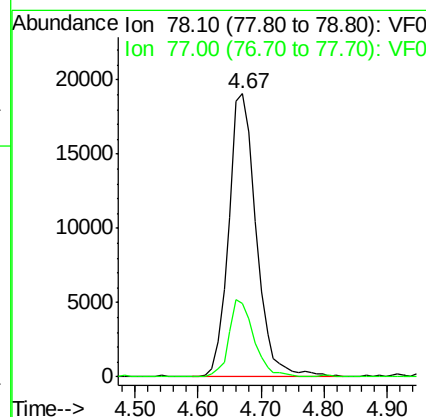
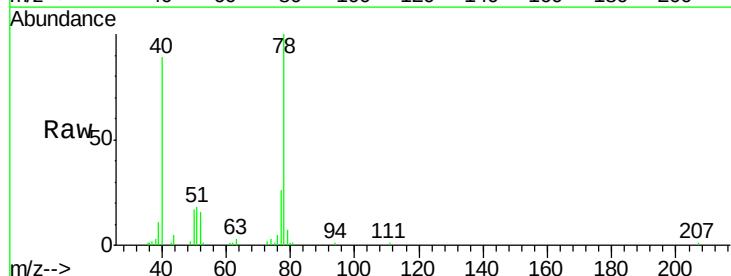
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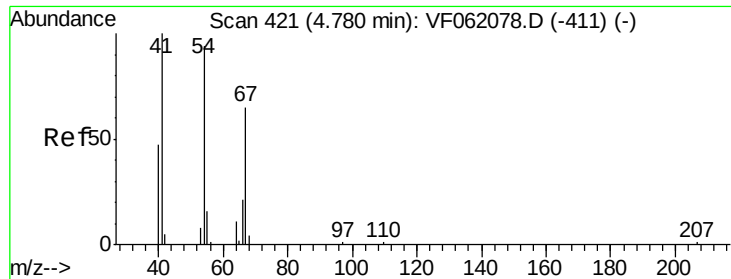
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#40
Benzene
Concen: 4.909 ug/l
RT: 4.67 min Scan# 410
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.8	29.6





#41

Methacrylonitrile

Concen: 4.816 ug/l

RT: 4.78 min Scan# 421

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

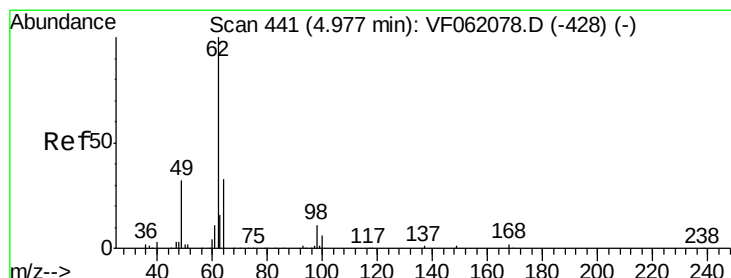
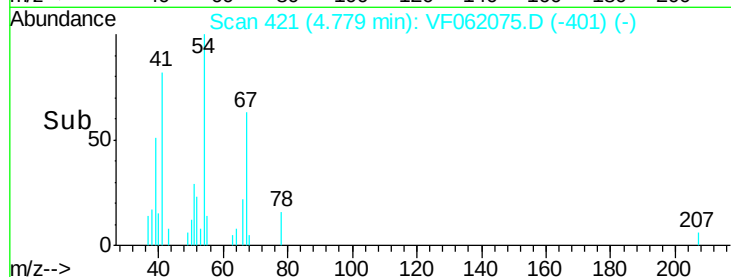
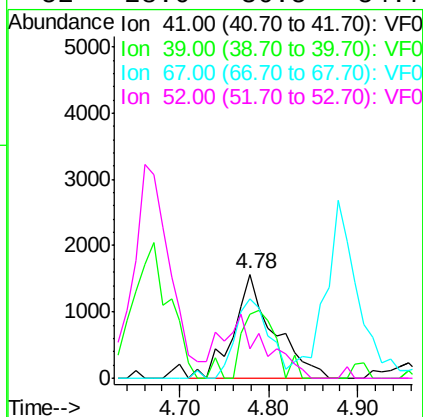
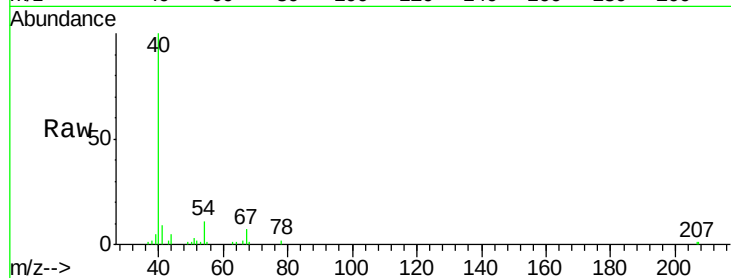
ClientSampleId :

VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	4886		
39	39	61.7		43.5	65.3
67	67	76.2		51.6	77.4
52	52	28.0		36.5	54.7#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 4.799 ug/l

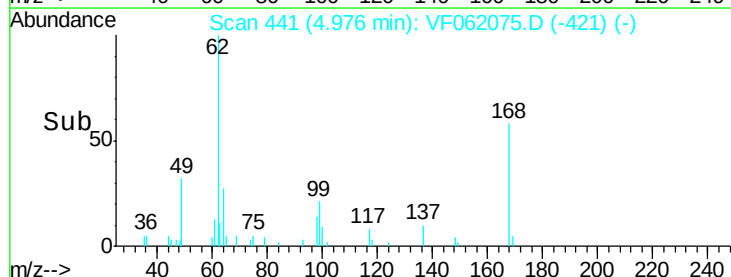
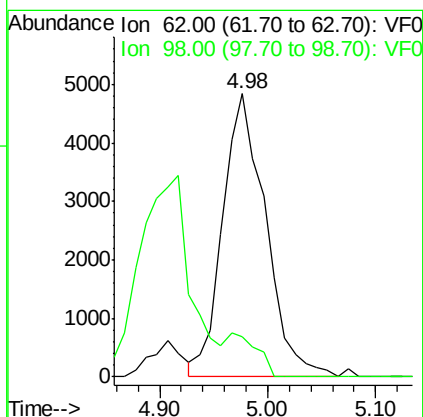
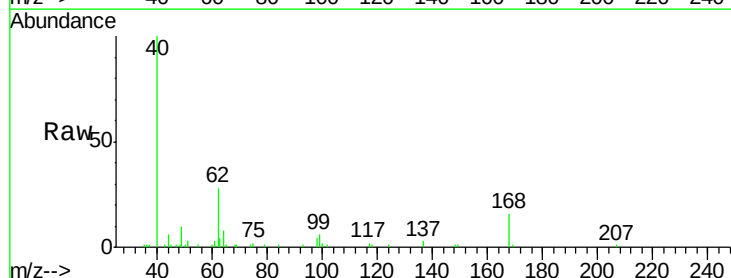
RT: 4.98 min Scan# 441

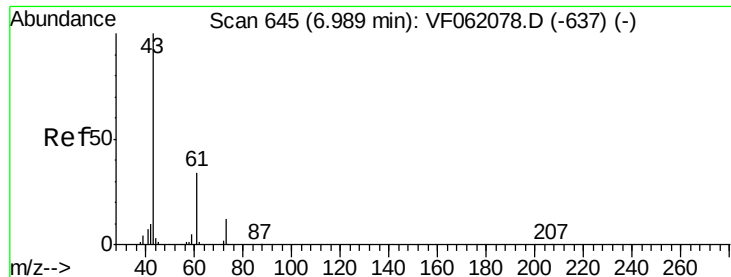
Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	62	100	13349		
98	98	14.4		0.0	23.2





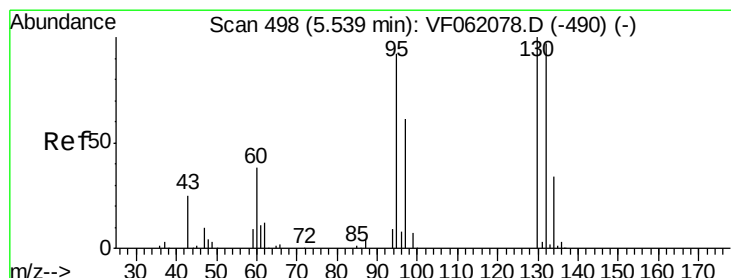
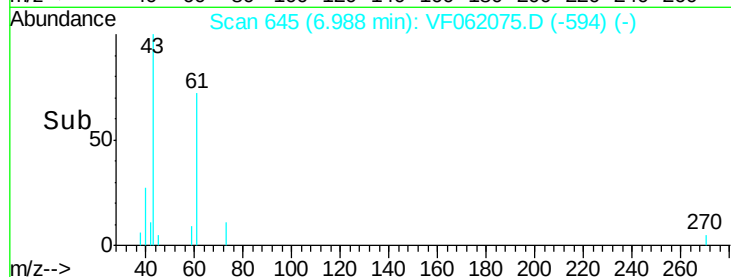
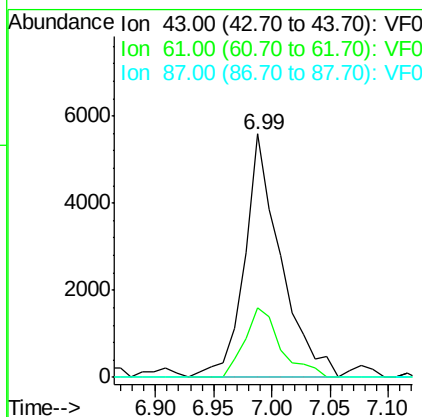
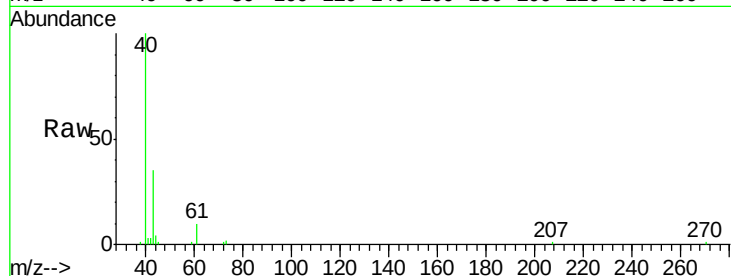
#43
Isopropyl Acetate
Concen: 5.169 ug/l
RT: 6.99 min Scan# 645
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.6	27.0	40.4
87	0.0	0.4	0.6

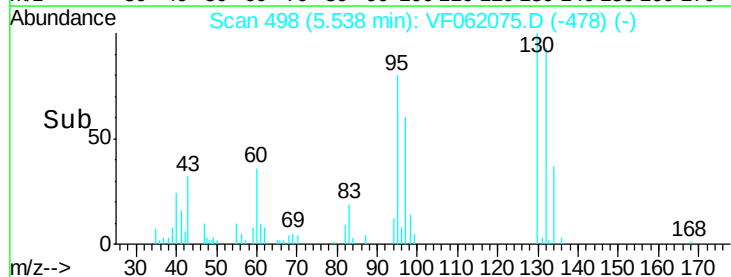
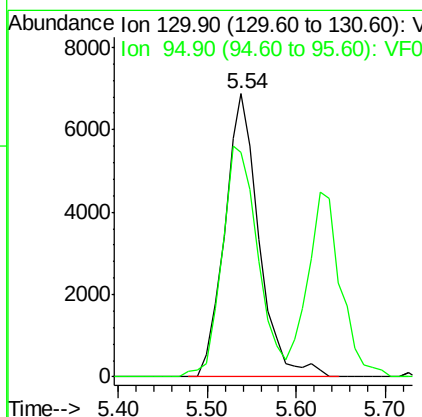
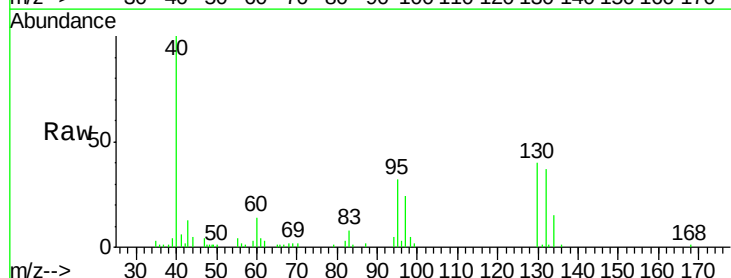
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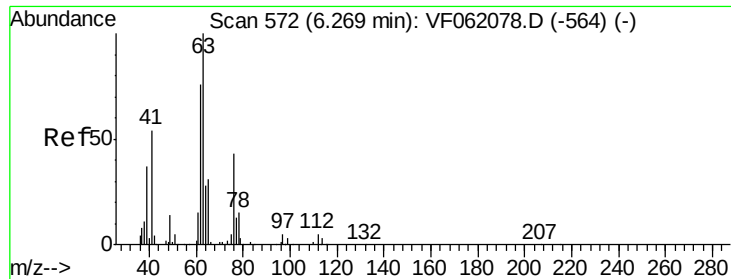
MMDadoda
3/27/2019 11:57:08 AM



#44
Trichloroethene
Concen: 5.132 ug/l
RT: 5.54 min Scan# 498
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	79.5	0.0	183.4





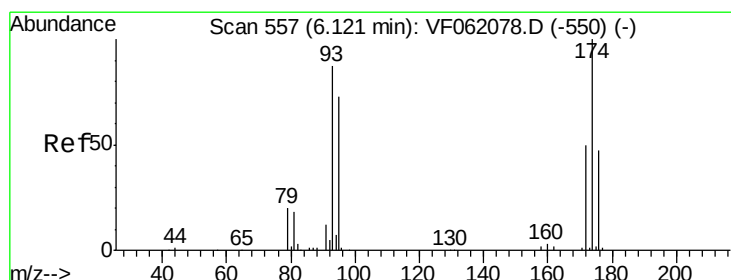
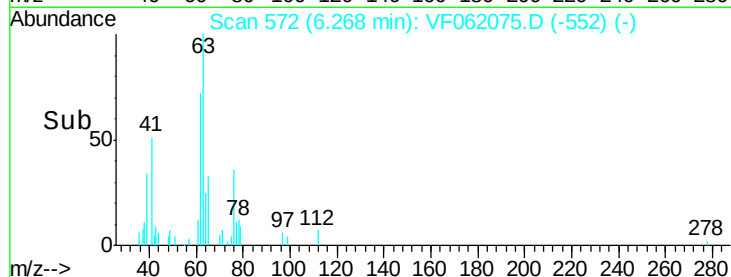
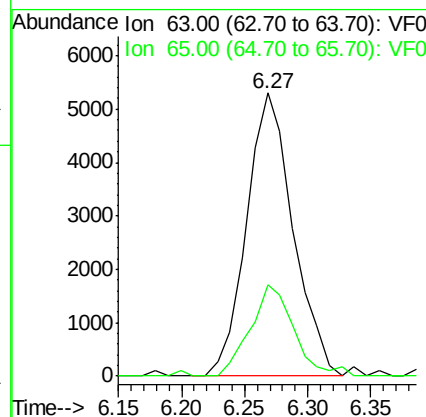
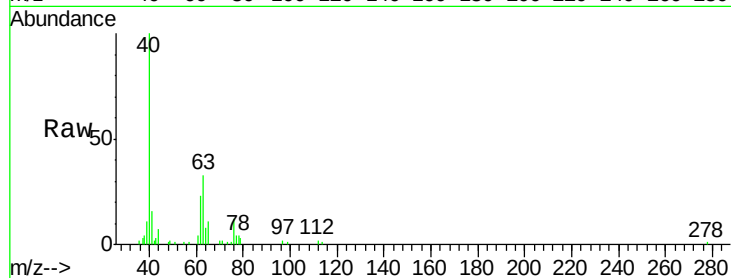
#45
 1,2-Dichloropropane
 Concen: 4.843 ug/l
 RT: 6.27 min Scan# 572
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.5	24.9	37.3

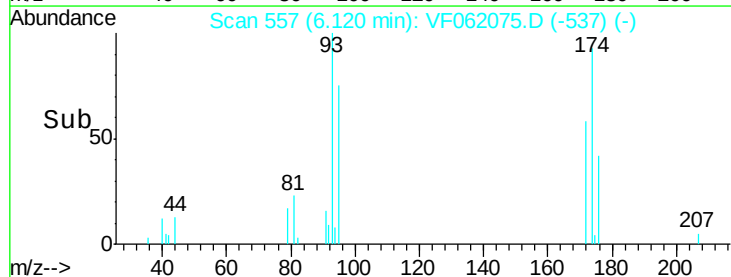
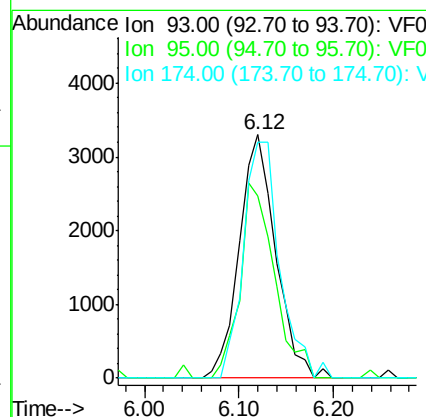
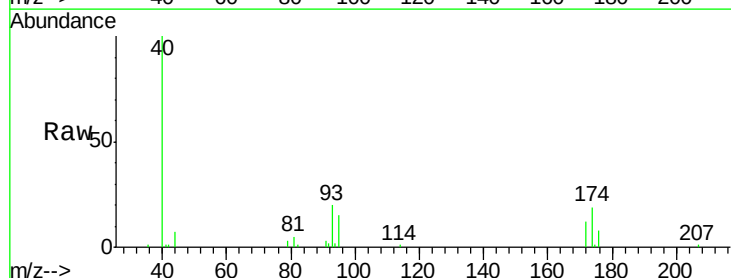
Manual Integrations
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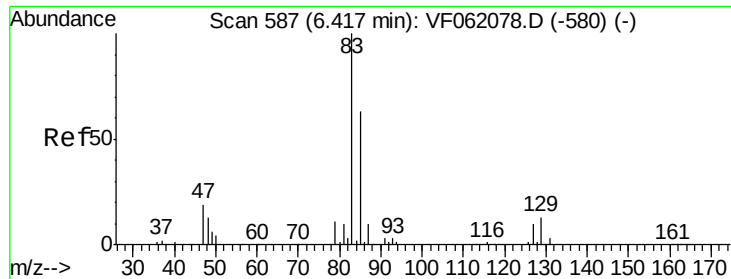
MMDadoda
 3/27/2019 11:57:08 AM



#46
 Dibromomethane
 Concen: 5.152 ug/l
 RT: 6.12 min Scan# 557
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
93	100		
95	74.6	67.4	101.2
174	96.8	92.0	138.0





#47

Bromodichloromethane

Concen: 4.726 ug/l

RT: 6.42 min Scan# 587

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

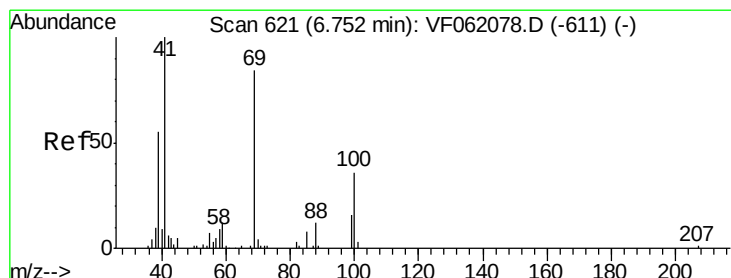
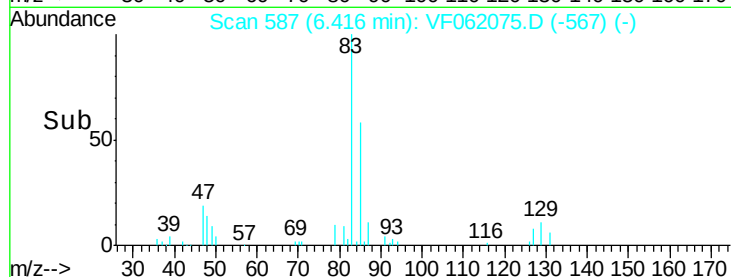
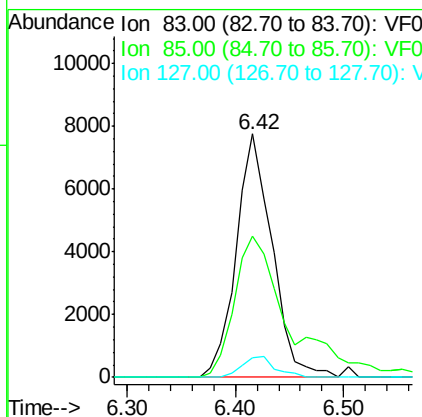
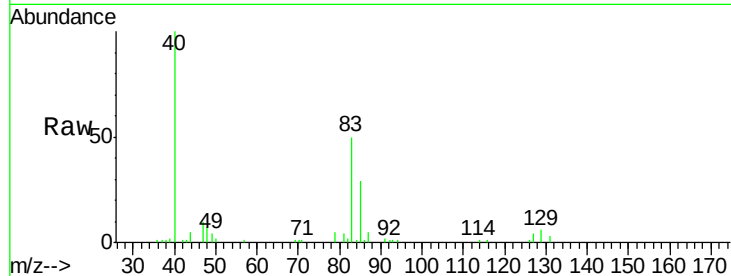
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	17958
Ion	Ratio	Lower	Upper
83	100		
85	58.2	50.7	76.1
127	8.2	7.8	11.6

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#48

Methyl methacrylate

Concen: 4.876 ug/l

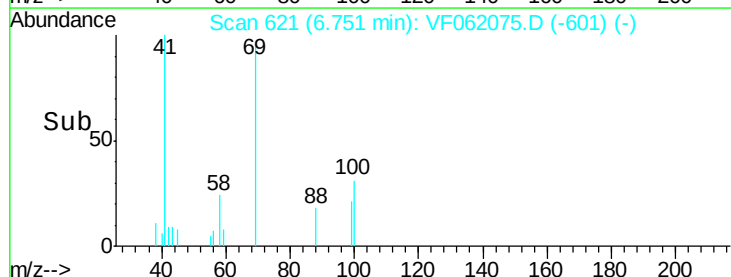
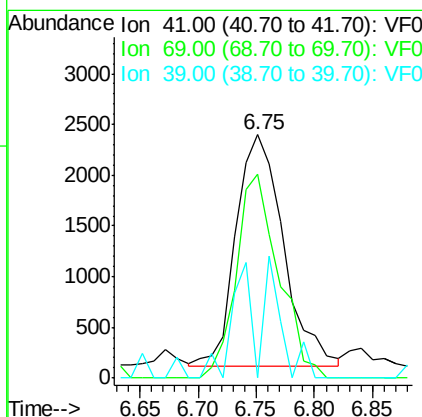
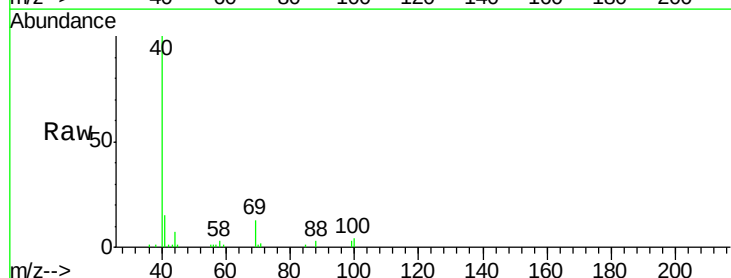
RT: 6.75 min Scan# 621

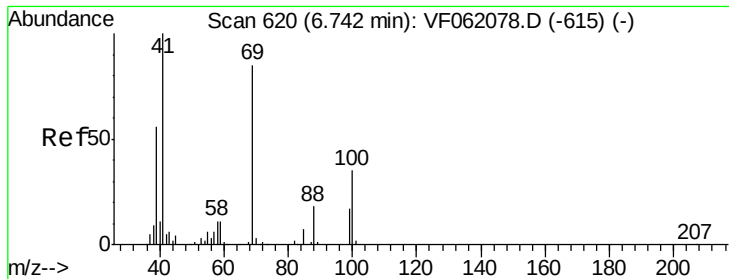
Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	41	Resp:	6447
Ion	Ratio	Lower	Upper
41	100		
69	83.8	66.6	100.0
39	0.0	43.6	65.4#





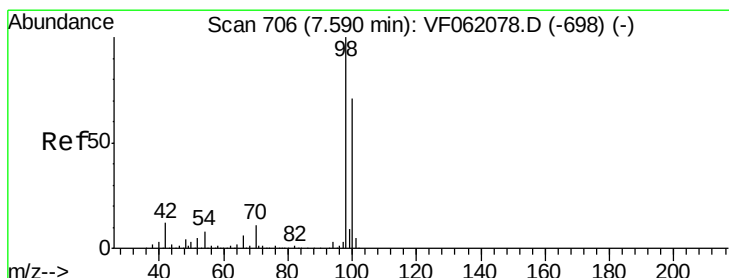
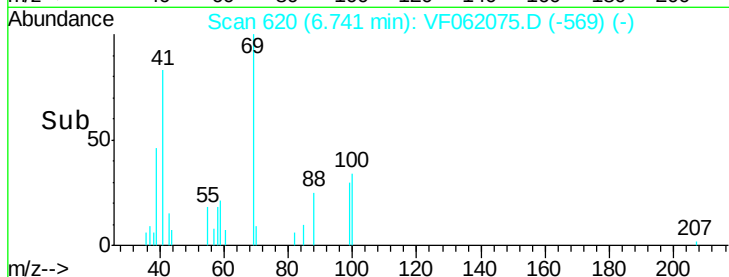
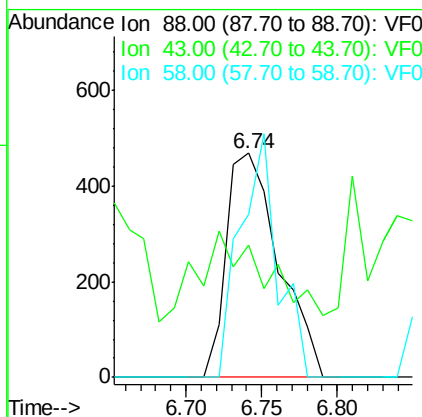
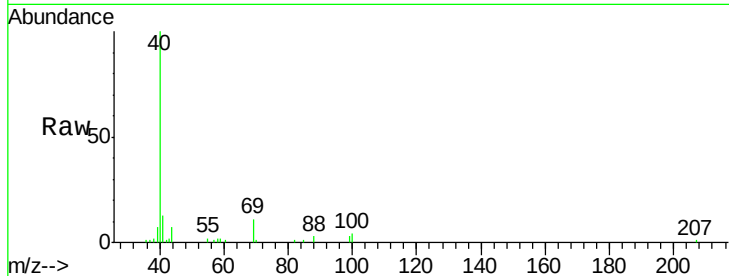
#49
1,4-Dioxane
Concen: 97.829 ug/l
RT: 6.74 min Scan# 620
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	59.3	35.0	52.4#
58	72.7	49.9	74.9

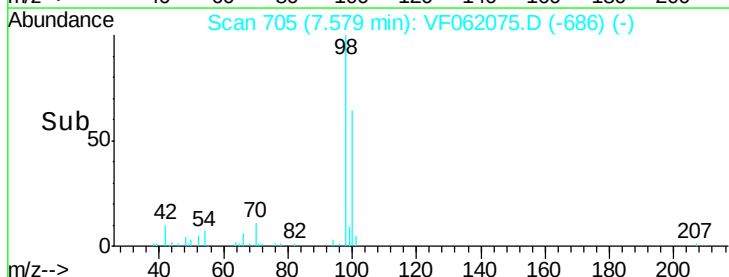
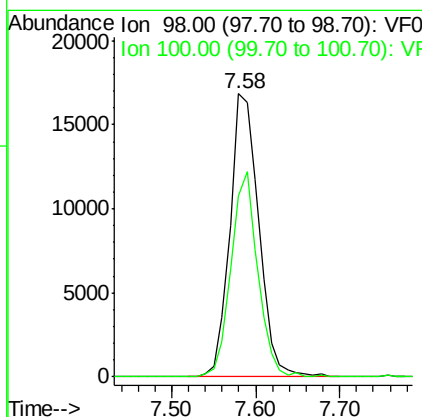
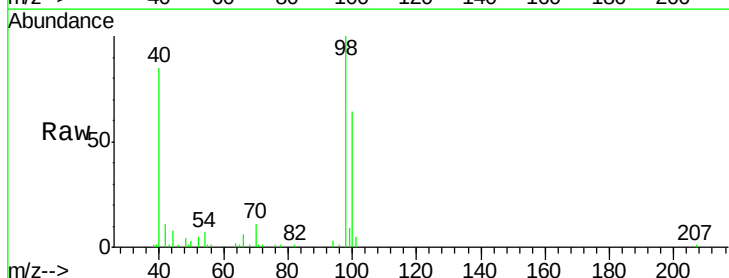
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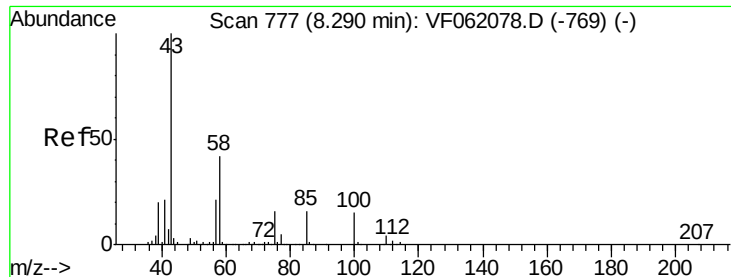
MMDadoda
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#50
Toluene-d8
Concen: 4.328 ug/l
RT: 7.58 min Scan# 705
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	57.0	85.6





#51

4-Methyl-2-Pentanone

Concen: 25.947 ug/l

RT: 8.29 min Scan# 777

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 40329

Ion Ratio Lower Upper

43 100

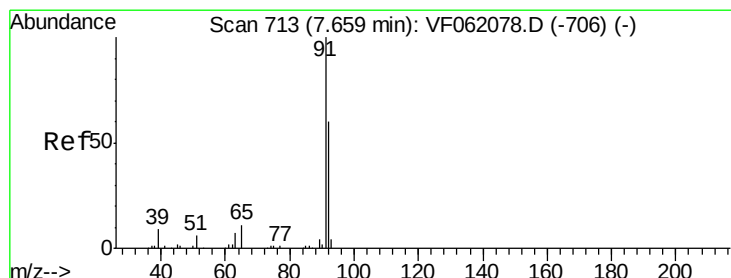
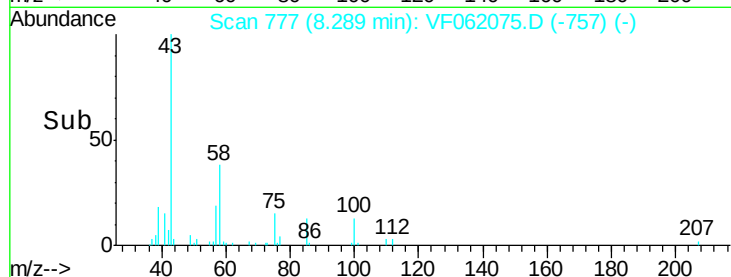
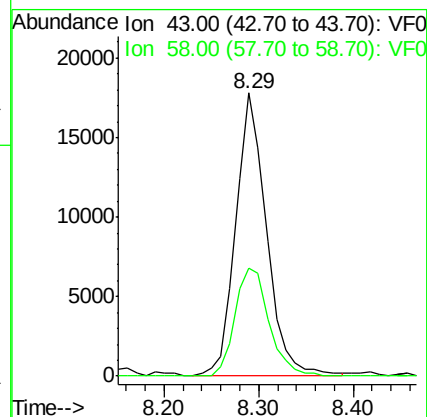
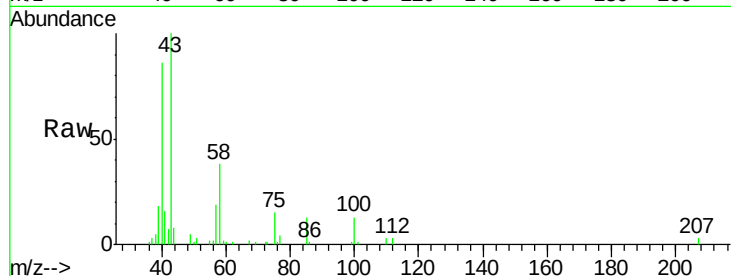
58 37.9 33.8 50.8

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#52

Toluene

Concen: 4.898 ug/l

RT: 7.65 min Scan# 712

Delta R.T. -0.01 min

Lab File: VF062075.D

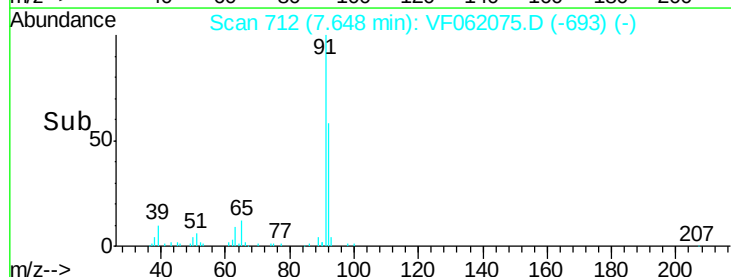
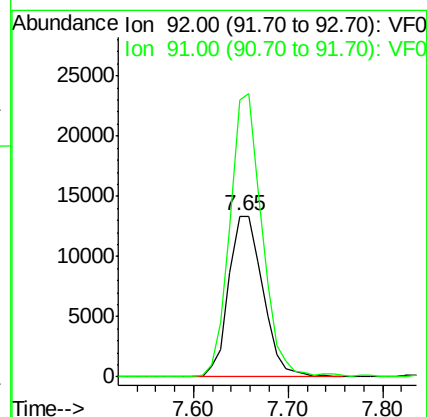
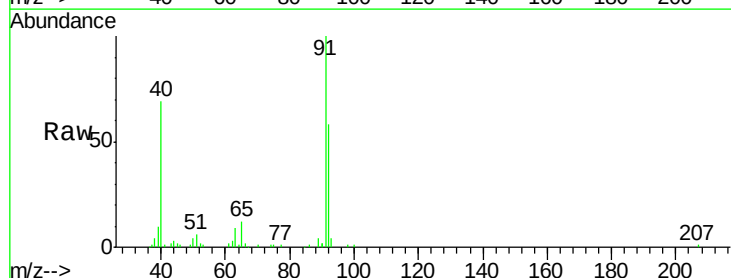
Acq: 22 Mar 2019 10:35

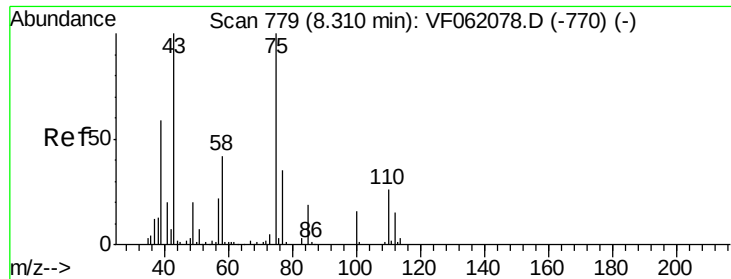
Tgt Ion: 92 Resp: 33371

Ion Ratio Lower Upper

92 100

91 172.2 134.1 201.1





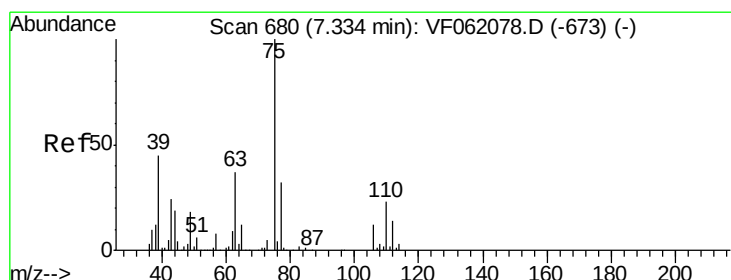
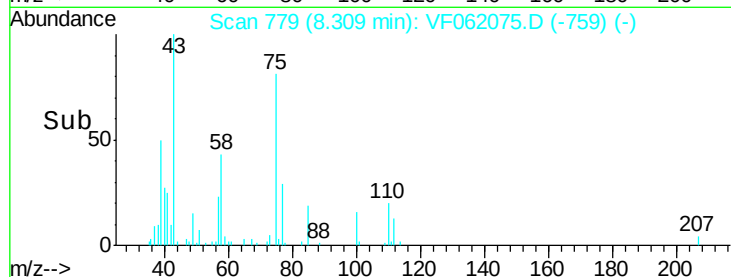
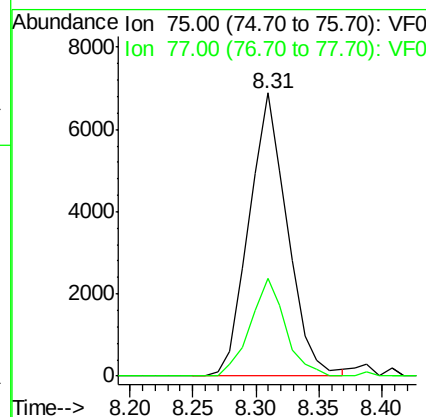
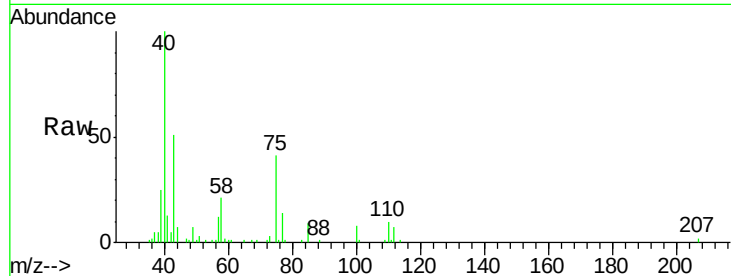
#53
t-1,3-Dichloropropene
Concen: 4.888 ug/l
RT: 8.31 min Scan# 779
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 14578
Ion Ratio Lower Upper
75 100
77 34.4 28.0 42.0

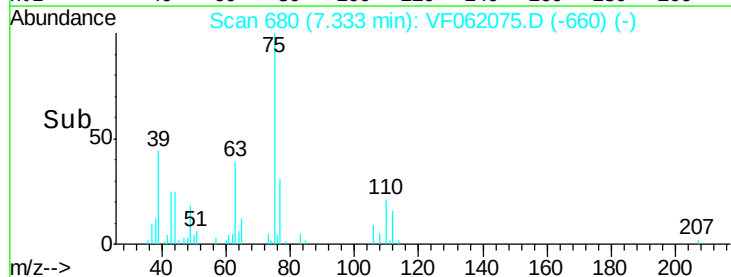
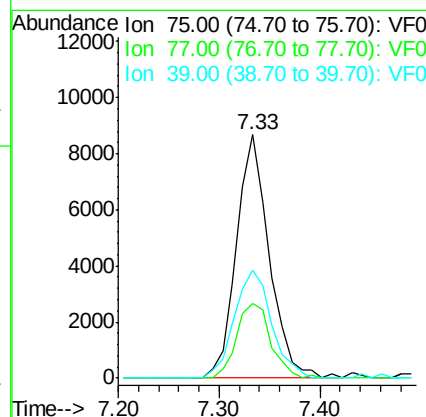
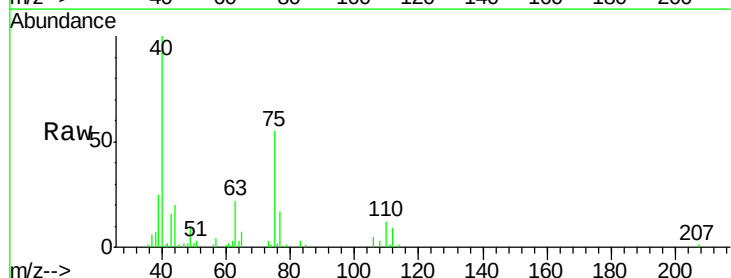
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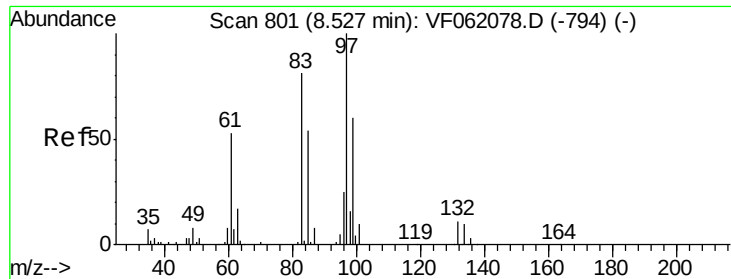
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.593 ug/l
RT: 7.33 min Scan# 680
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 75 Resp: 19603
Ion Ratio Lower Upper
75 100
77 30.6 25.8 38.6
39 44.5 35.9 53.9





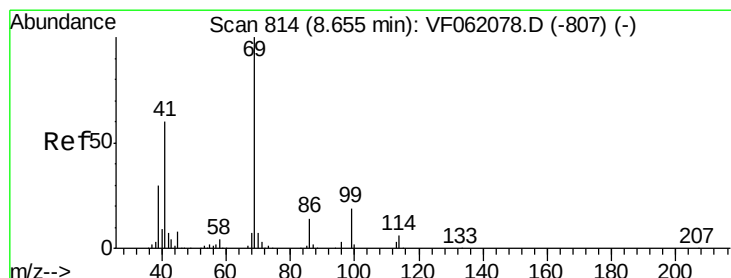
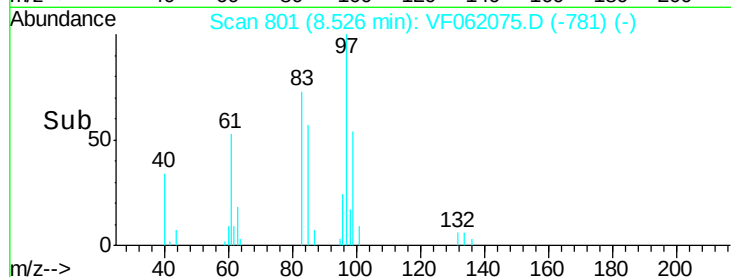
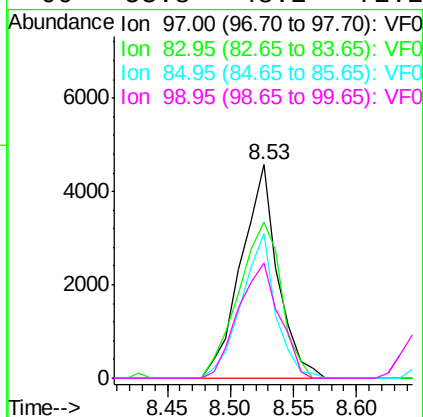
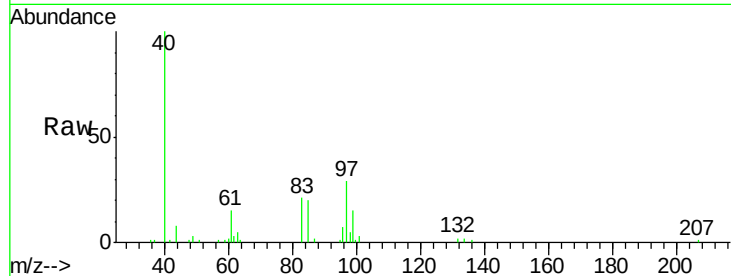
#55
 1,1,2-Trichloroethane
 Concen: 4.787 ug/l
 RT: 8.53 min Scan# 801
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	9263
Ion	Ratio	Lower	Upper
97	100		
83	73.4	64.6	97.0
85	68.0	43.6	65.4#
99	53.8	48.2	72.2

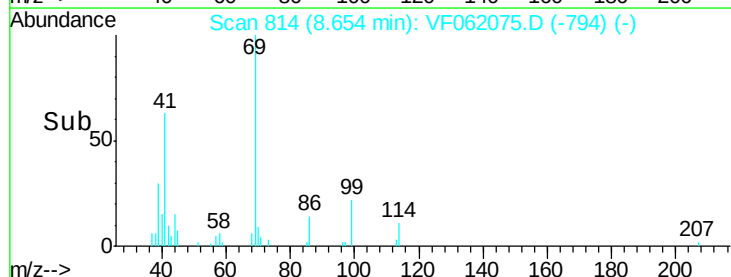
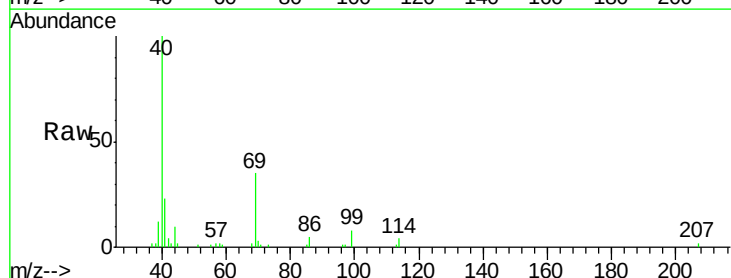
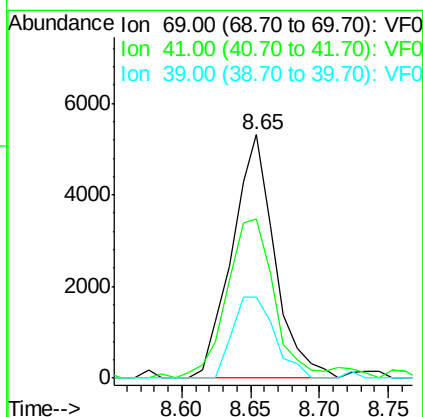
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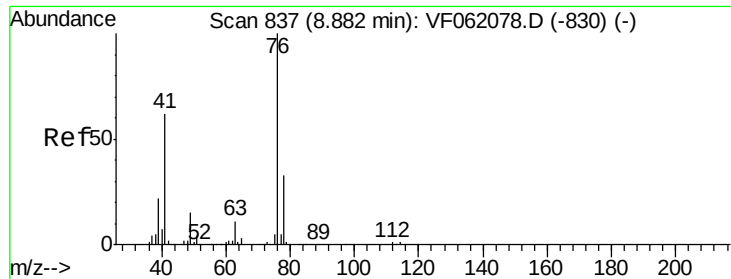
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#56
 Ethyl methacrylate
 Concen: 4.962 ug/l
 RT: 8.65 min Scan# 814
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion:	69	Resp:	11452
Ion	Ratio	Lower	Upper
69	100		
41	65.4	48.2	72.2
39	33.1	24.0	36.0





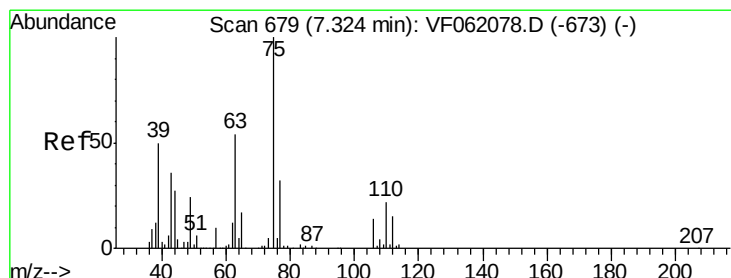
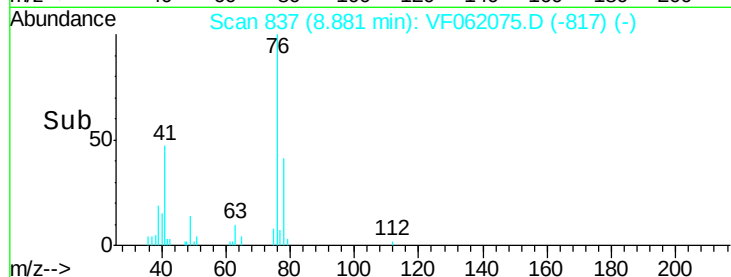
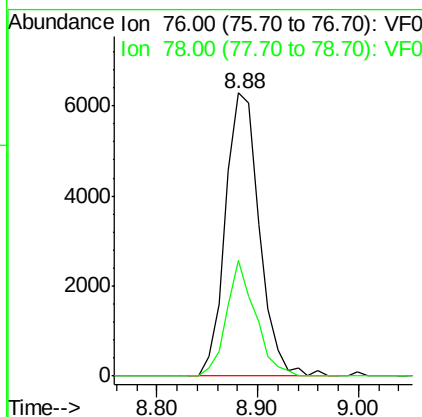
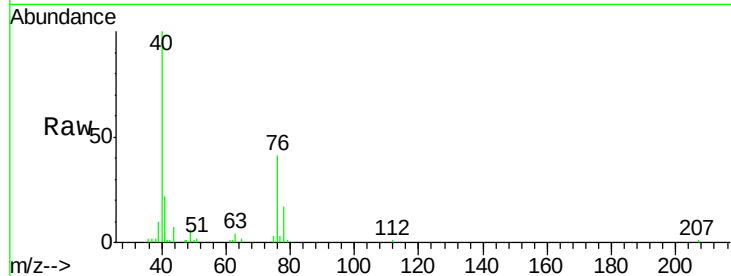
#57
 1,3-Dichloropropane
 Concen: 4.570 ug/l
 RT: 8.88 min Scan# 837
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 14679
 Ion Ratio Lower Upper
 76 100
 78 40.8 26.6 39.8#

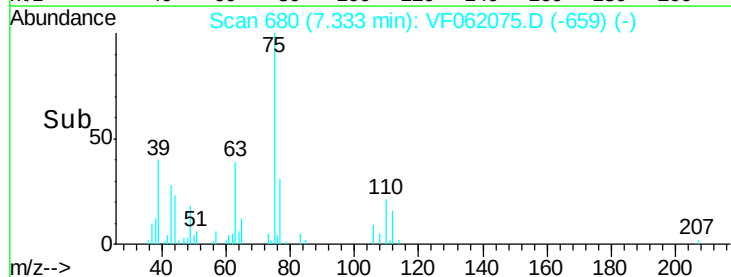
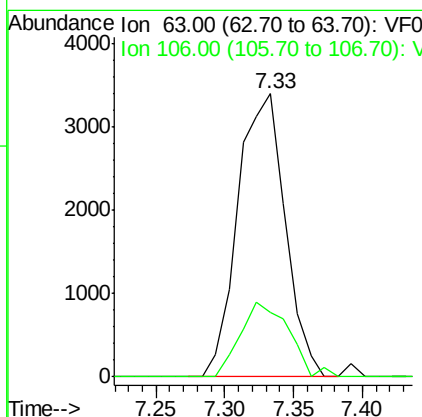
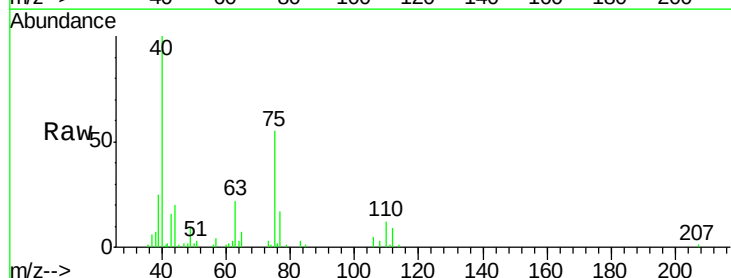
Manual Integrations
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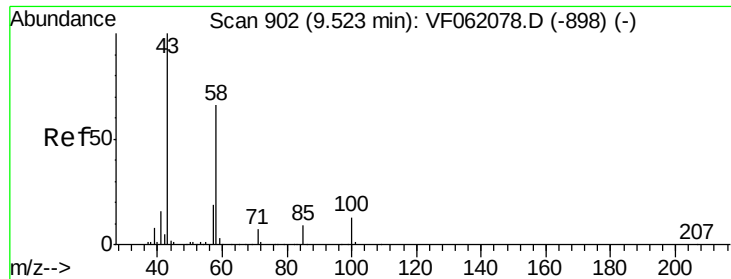
MMDadoda
 3/27/2019 11:57:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 23.158 ug/l
 RT: 7.33 min Scan# 680
 Delta R.T. 0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion: 63 Resp: 8110
 Ion Ratio Lower Upper
 63 100
 106 22.6 21.5 32.3





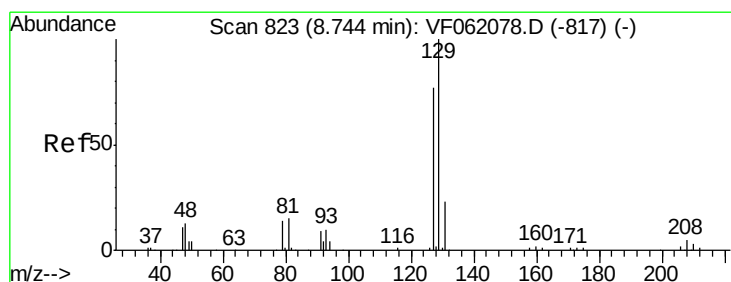
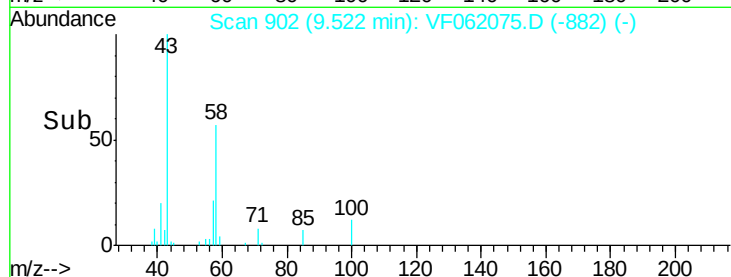
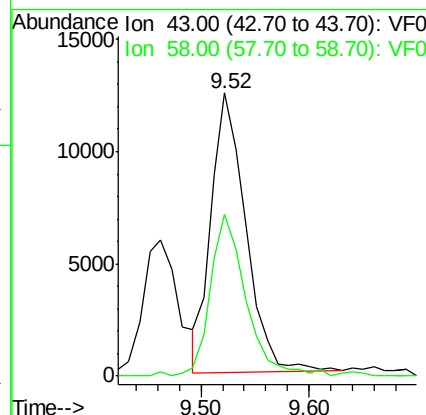
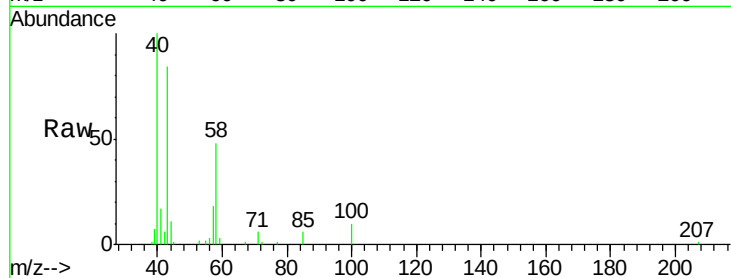
#59
2-Hexanone
Concen: 24.329 ug/l
RT: 9.52 min Scan# 902
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 27714
Ion Ratio Lower Upper
43 100
58 57.0 28.8 86.4

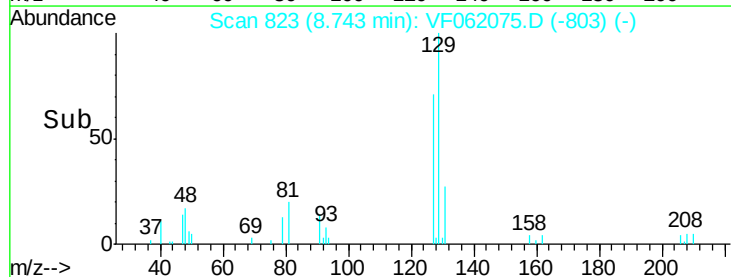
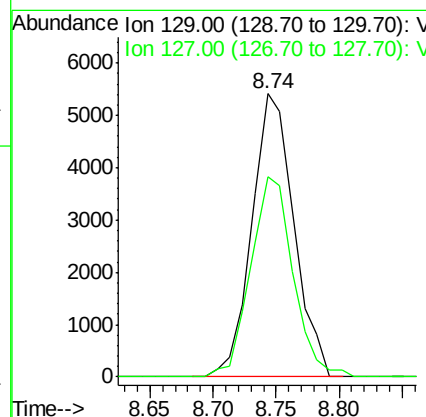
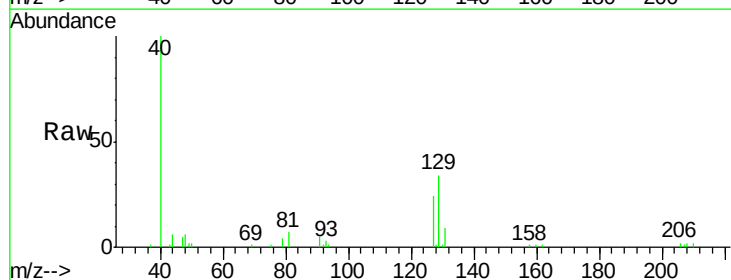
Manual Integrations
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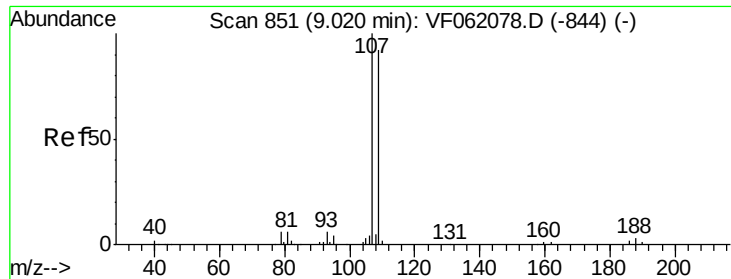
MMDadoda
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#60
Dibromochloromethane
Concen: 4.669 ug/l
RT: 8.74 min Scan# 823
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 129 Resp: 12561
Ion Ratio Lower Upper
129 100
127 70.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 4.463 ug/l

RT: 9.02 min Scan# 851

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 9214

Ion Ratio Lower Upper

107 100

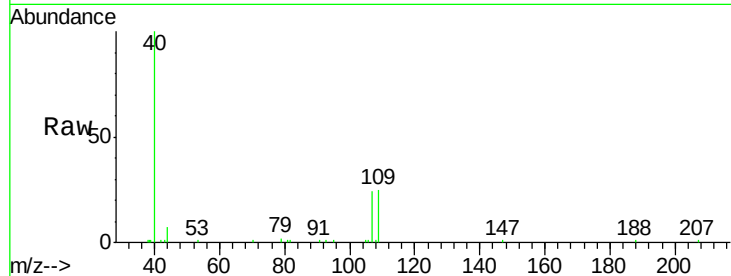
109 107.6 73.4 110.0

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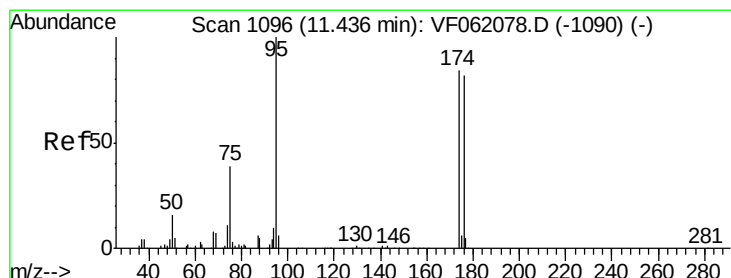
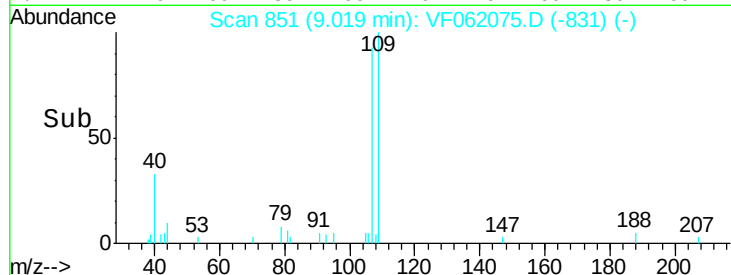
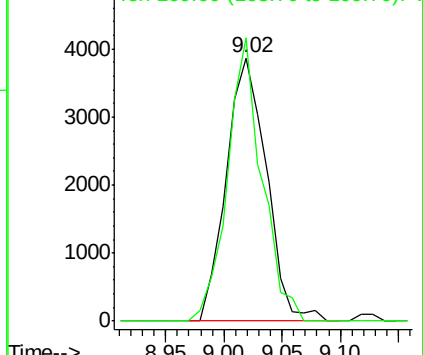
MMDadoda

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 4.532 ug/l

RT: 11.44 min Scan# 1096

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

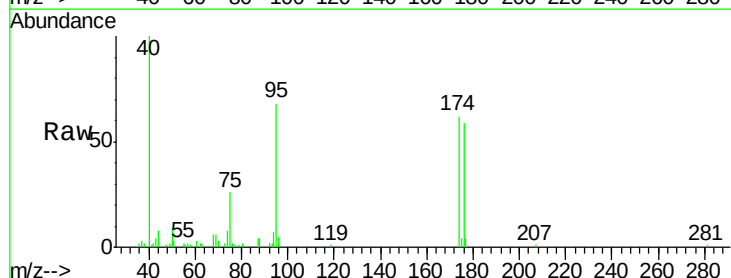
Tgt Ion: 95 Resp: 16275

Ion Ratio Lower Upper

95 100

174 91.7 0.0 168.2

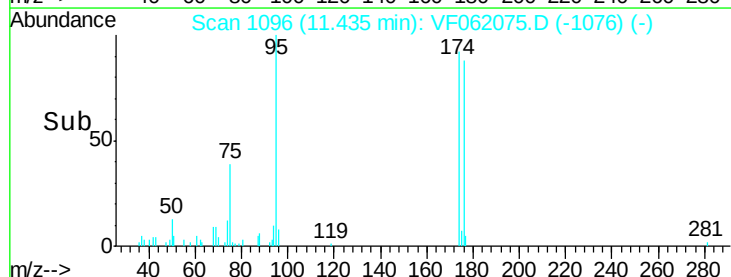
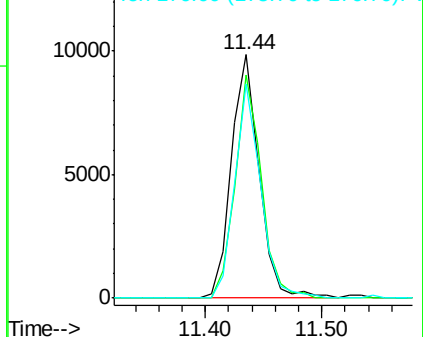
176 87.7 0.0 164.2

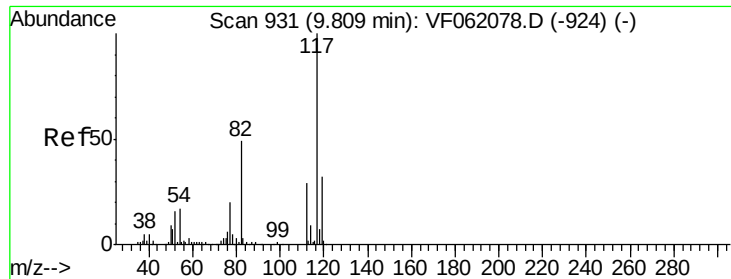


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





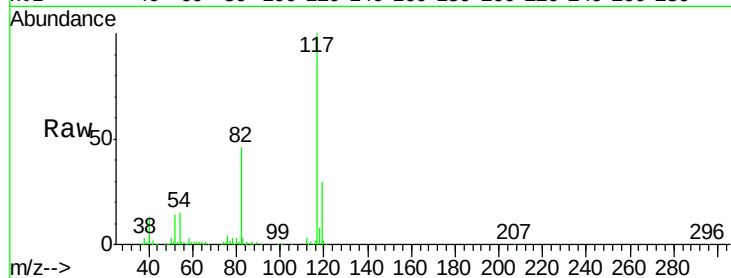
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.81 min Scan# 931
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	385983		
82	46.1		39.2	58.8
119	30.3		25.4	38.2

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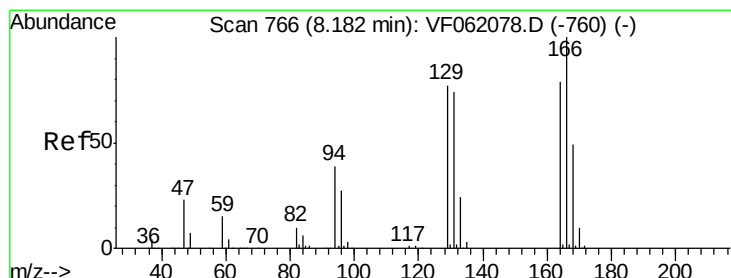
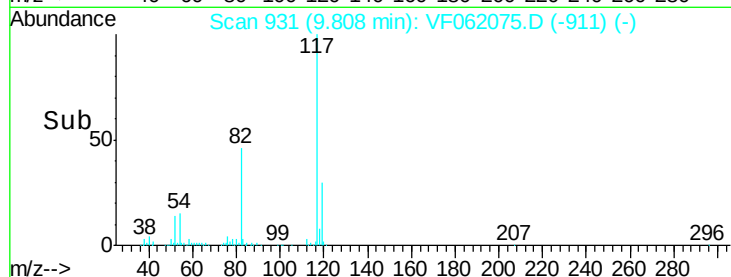
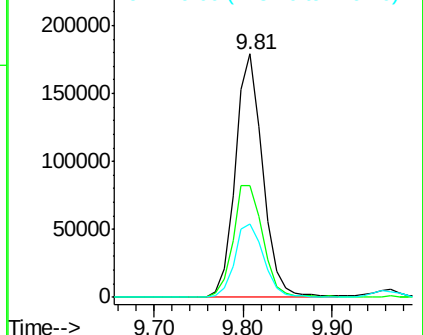


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.102 ug/l
RT: 8.19 min Scan# 767
Delta R.T. 0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	15214		
166	126.5		100.9	151.3
129	81.7		77.9	116.9
131	81.0		74.6	112.0

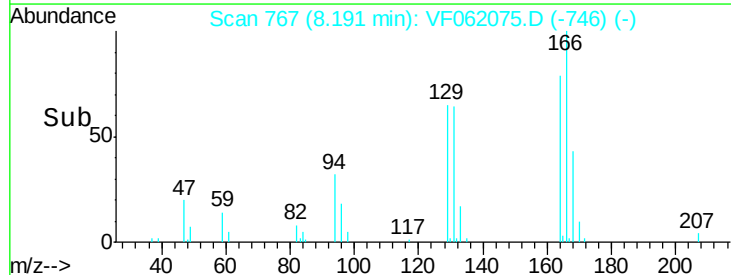
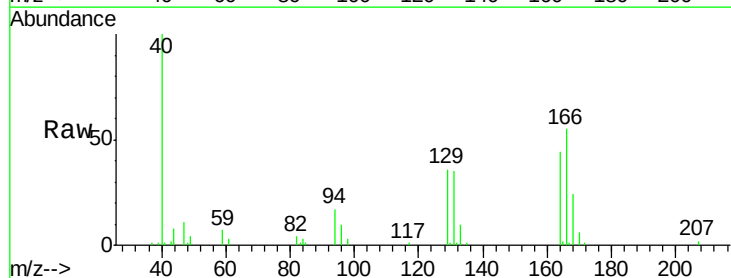
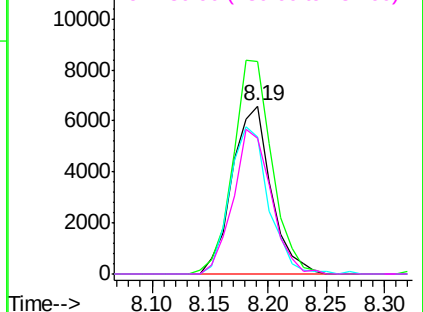
Abundance

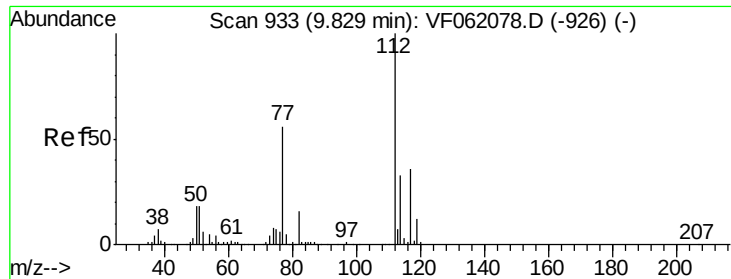
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





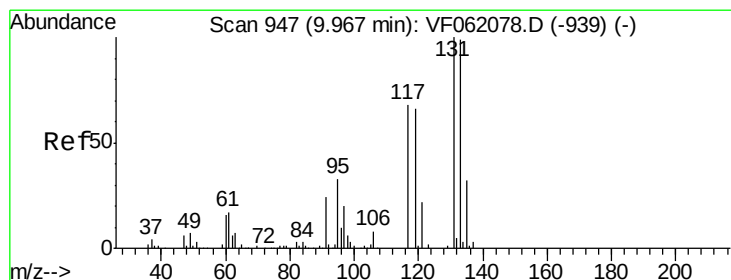
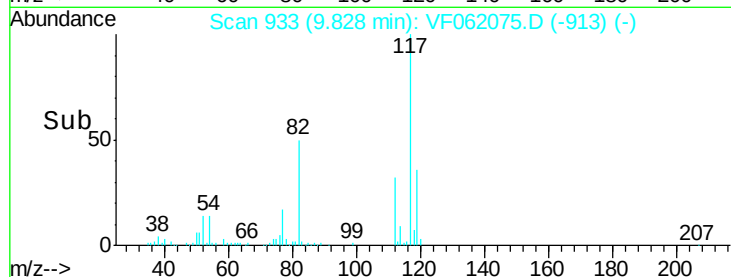
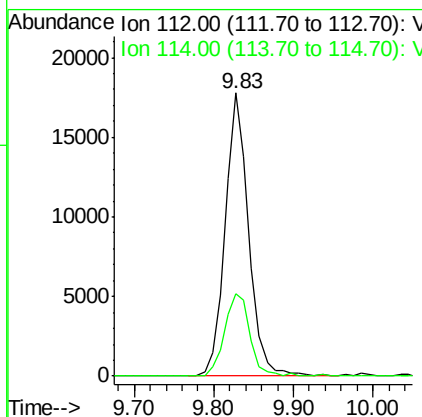
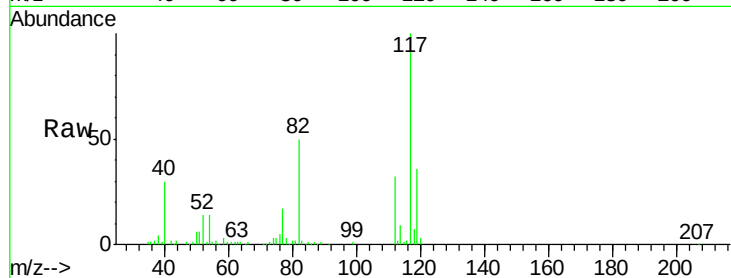
#65
Chlorobenzene
Concen: 5.102 ug/l
RT: 9.83 min Scan# 933
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 36844
Ion Ratio Lower Upper
112 100
114 29.2 26.0 39.0

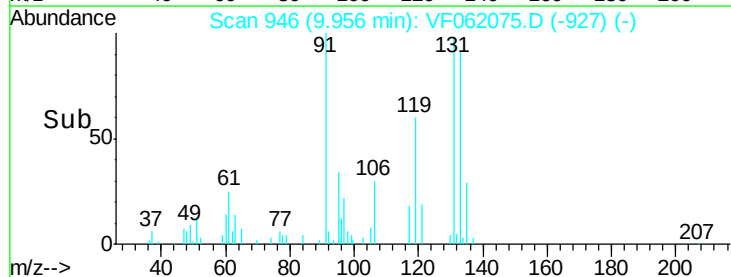
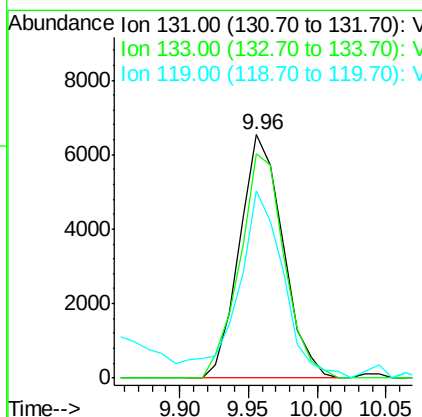
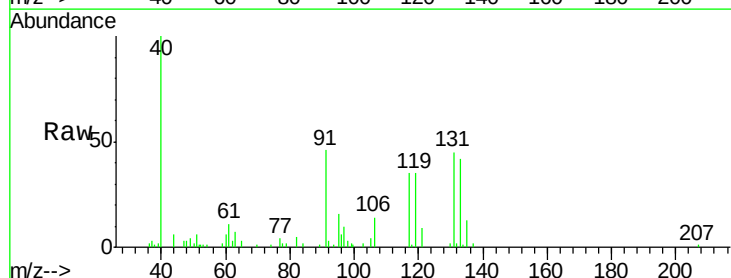
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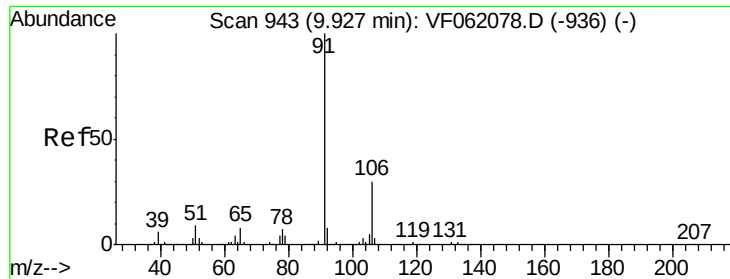
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.965 ug/l
RT: 9.96 min Scan# 946
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:131 Resp: 14402
Ion Ratio Lower Upper
131 100
133 92.2 49.3 147.8
119 77.1 33.5 100.4





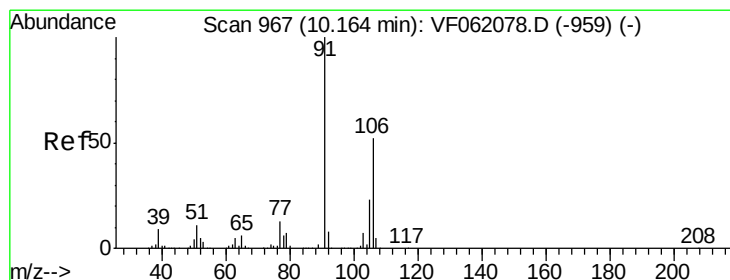
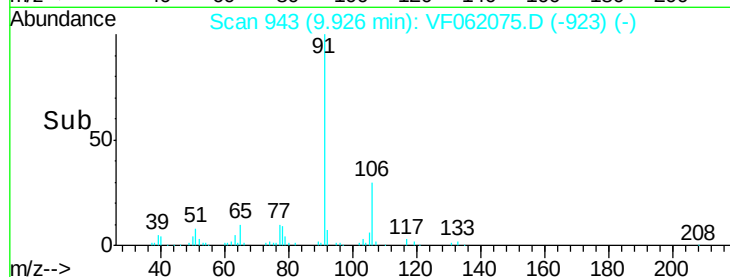
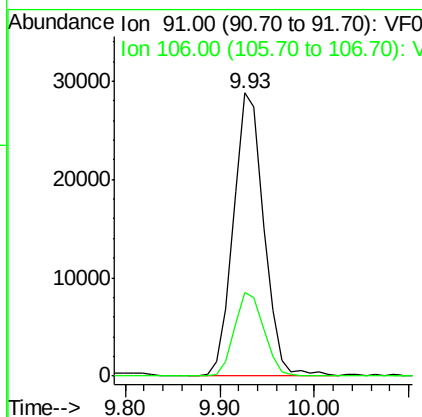
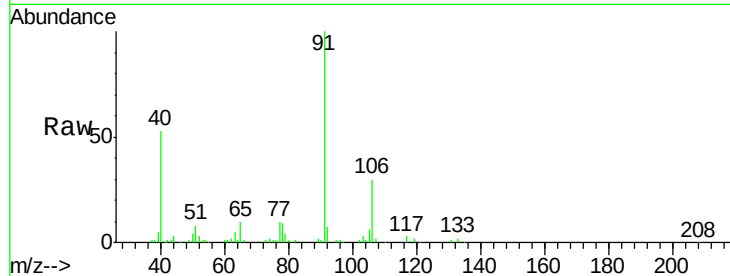
#67
Ethyl Benzene
Concen: 5.119 ug/l
RT: 9.93 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 64294
Ion Ratio Lower Upper
91 100
106 29.7 24.0 36.0

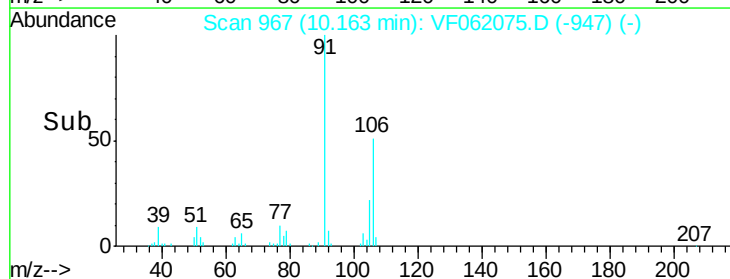
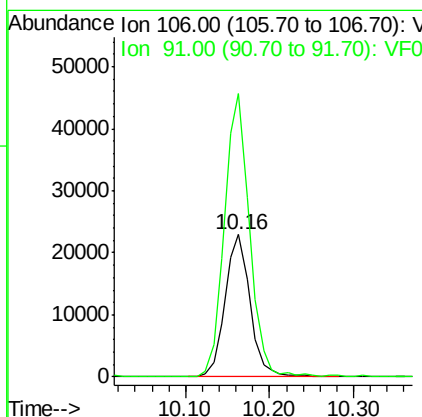
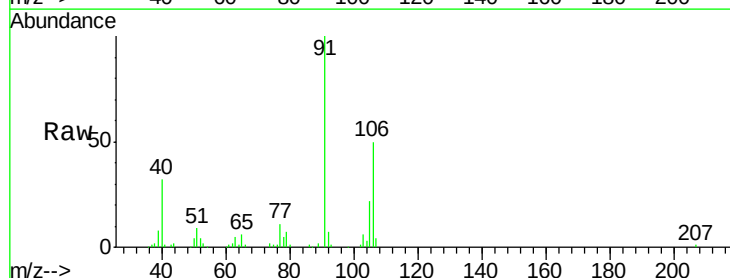
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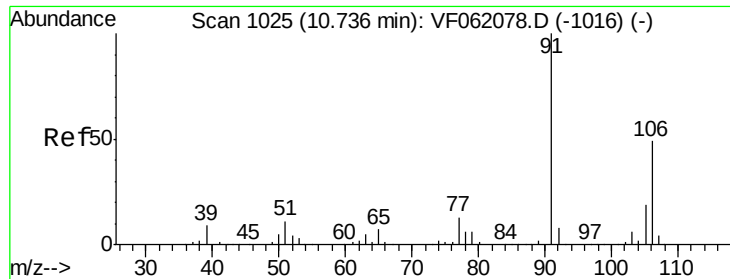
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#68
m/p-Xylenes
Concen: 10.077 ug/l
RT: 10.16 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion: 106 Resp: 47306
Ion Ratio Lower Upper
106 100
91 198.9 154.4 231.6





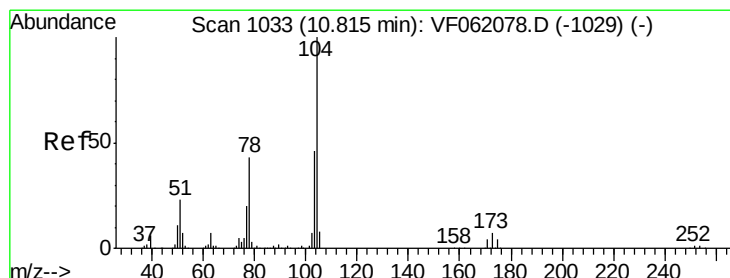
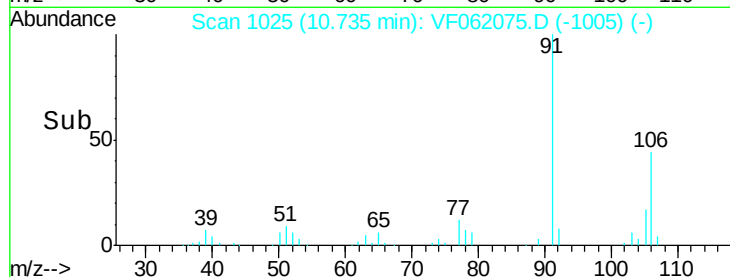
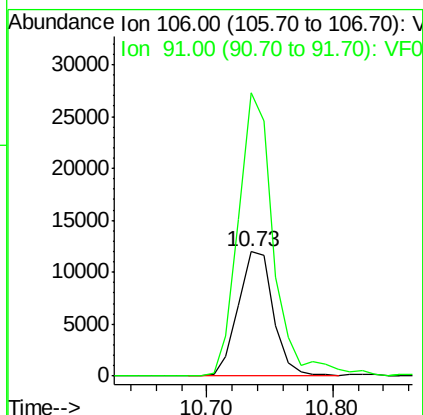
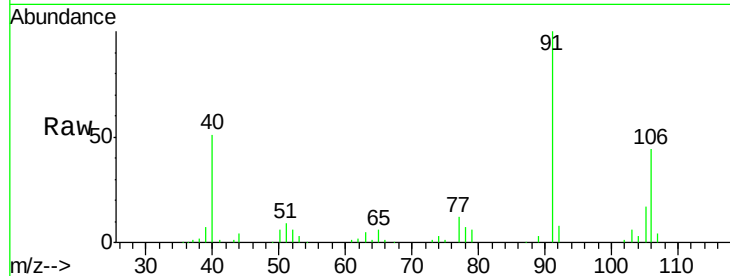
#69
o-Xylene
Concen: 4.752 ug/l
RT: 10.73 min Scan# 1025
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 23363
Ion Ratio Lower Upper
106 100
91 227.7 102.6 307.8

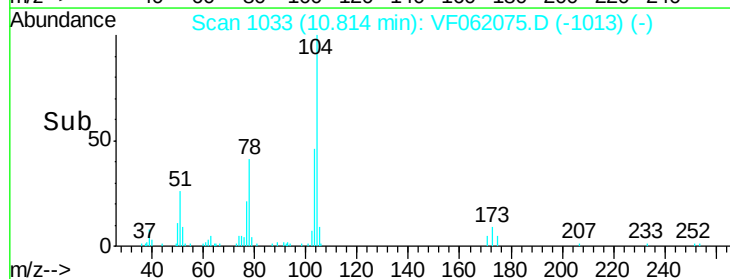
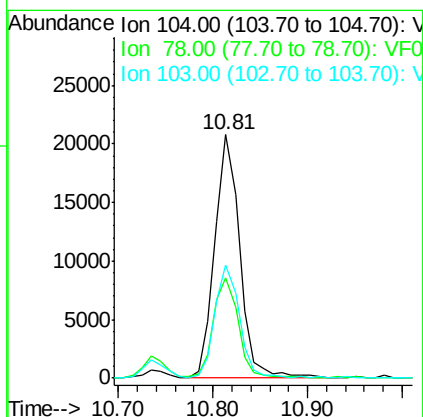
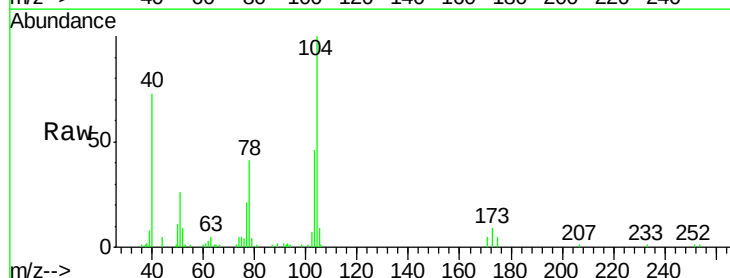
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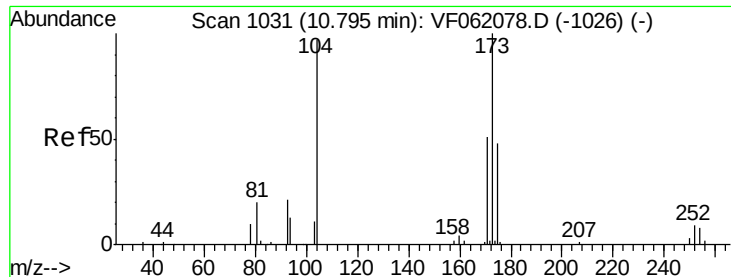
MMDadoda
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#70
Styrene
Concen: 5.157 ug/l
RT: 10.81 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion:104 Resp: 38414
Ion Ratio Lower Upper
104 100
78 41.3 34.3 51.5
103 46.3 36.9 55.3





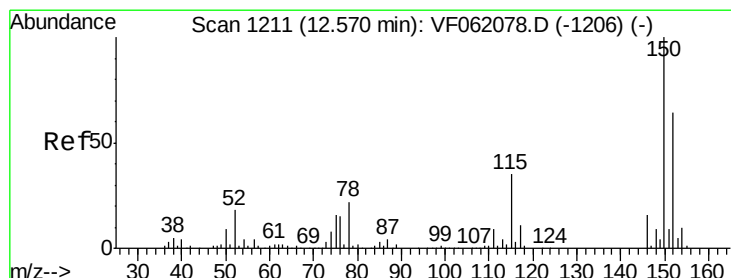
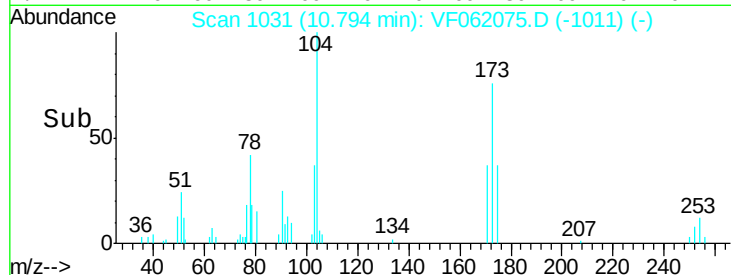
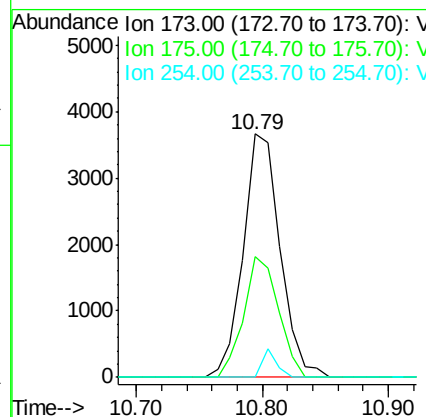
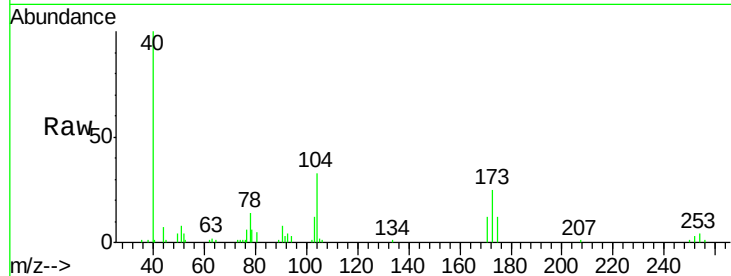
#71
Bromoform
Concen: 5.007 ug/l
RT: 10.79 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.1	72.4
254	0.0	6.2	9.4

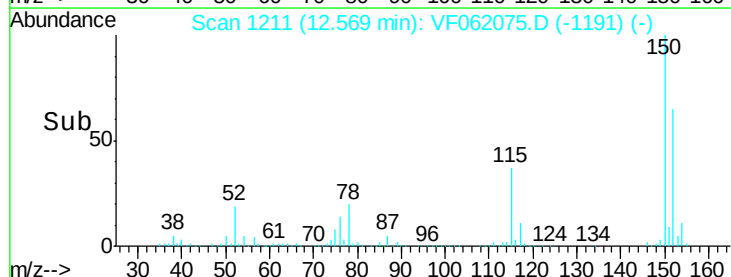
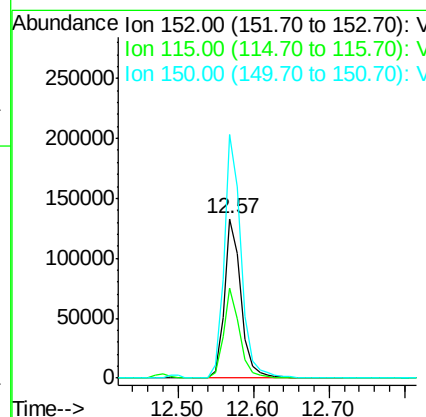
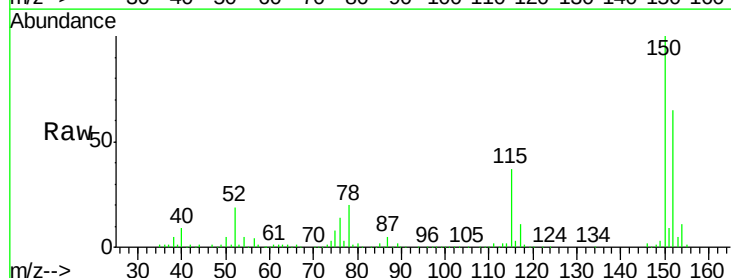
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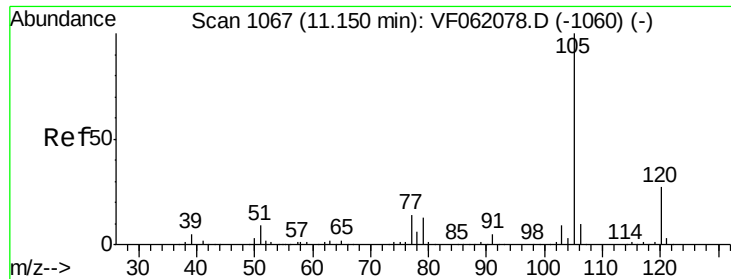
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.57 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.7	83.1
150	152.9	0.0	313.2





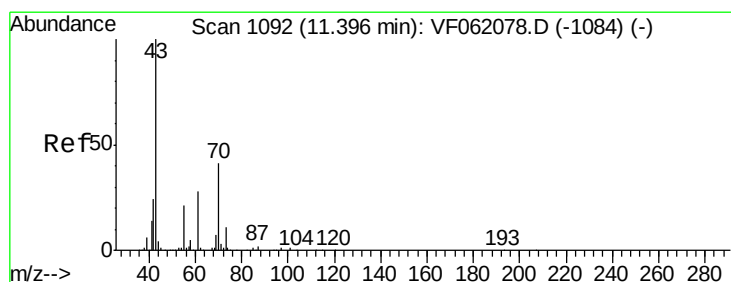
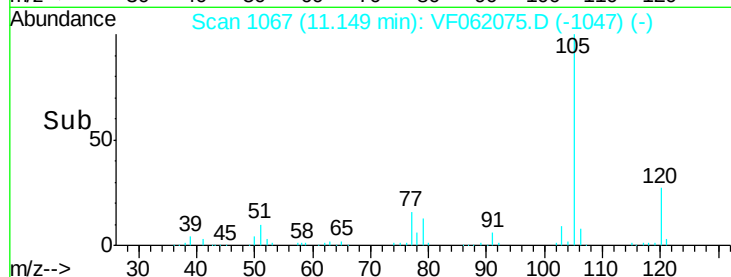
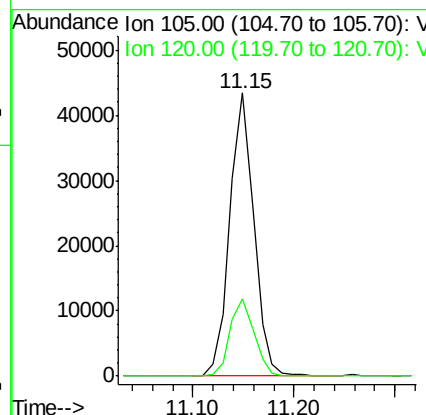
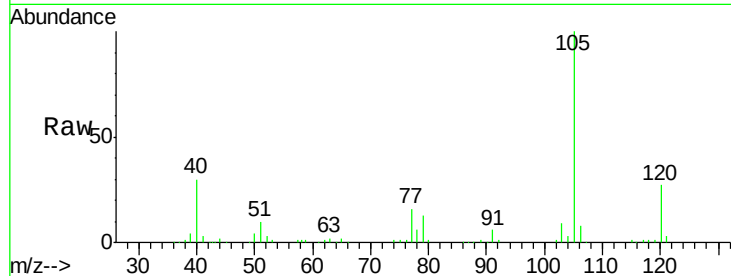
#73
Isopropylbenzene
Concen: 5.010 ug/l
RT: 11.15 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.3	13.8	41.3

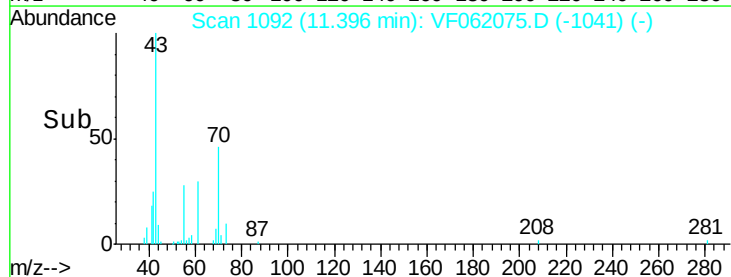
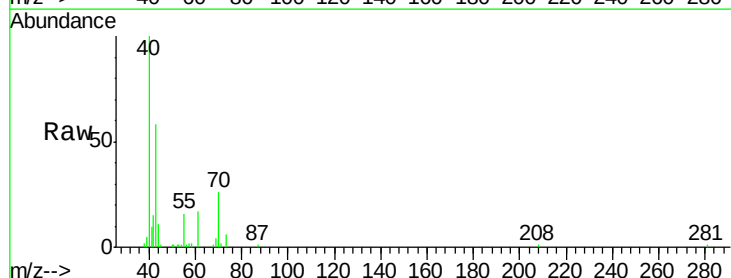
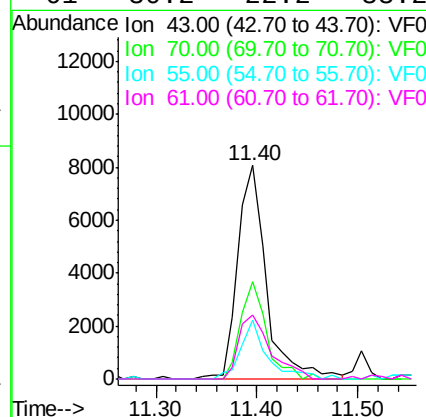
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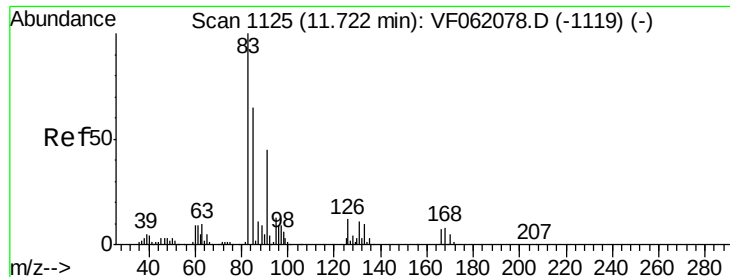
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#74
N-ethyl acetate
Concen: 4.606 ug/l
RT: 11.40 min Scan# 1092
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.6	32.9	49.3
55	27.8	17.1	25.7
61	30.2	22.2	33.2





#75

1,1,2,2-Tetrachloroethane

Concen: 5.208 ug/l

RT: 11.71 min Scan# 1124

Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

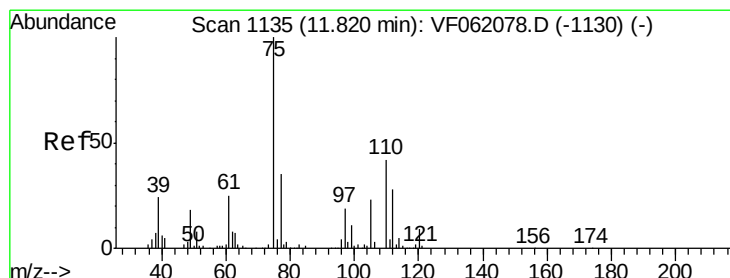
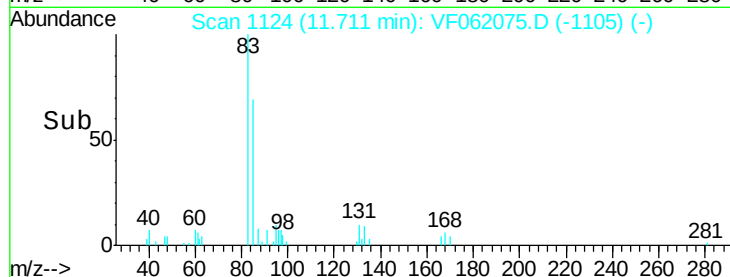
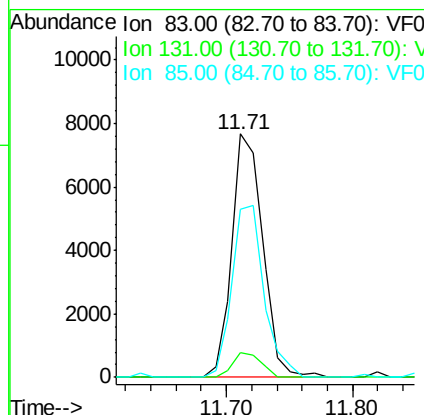
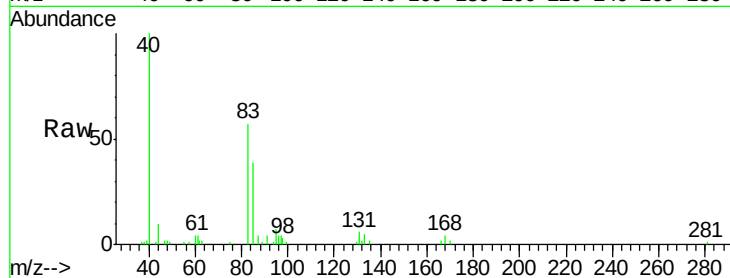
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12966
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.3	15.8
85	69.2	32.6	98.0

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#76

1,2,3-Trichloropropane

Concen: 5.316 ug/l

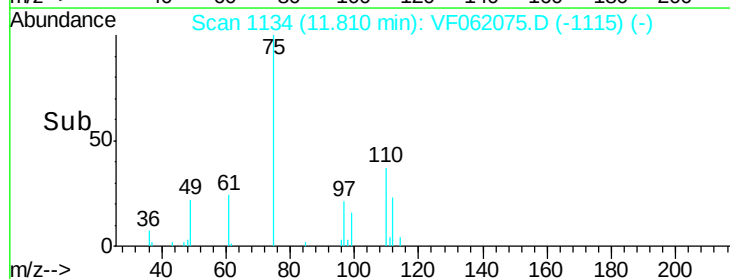
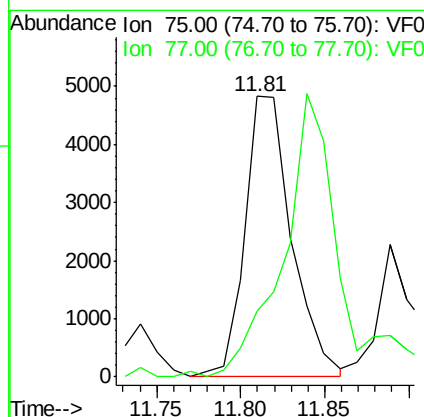
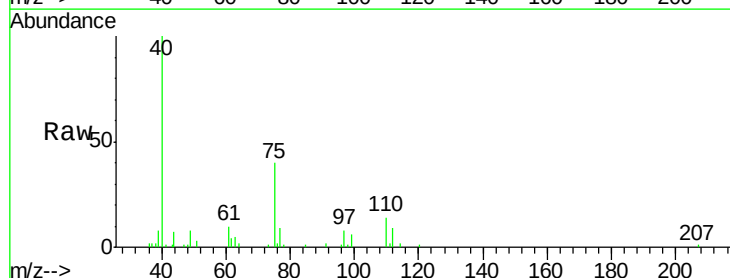
RT: 11.81 min Scan# 1134

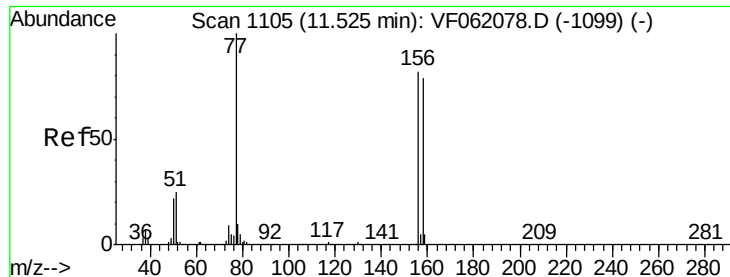
Delta R.T. -0.01 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	75	Resp:	9313
Ion Ratio	Lower	Upper	
75	100		
77	23.3	17.8	53.3





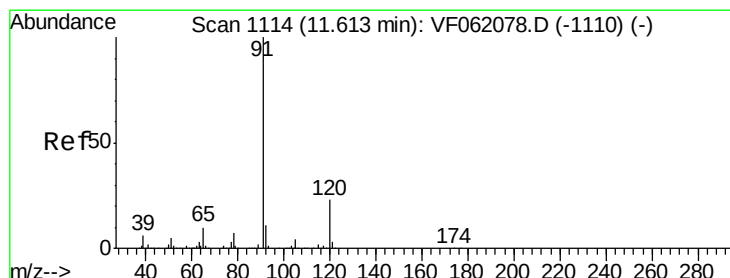
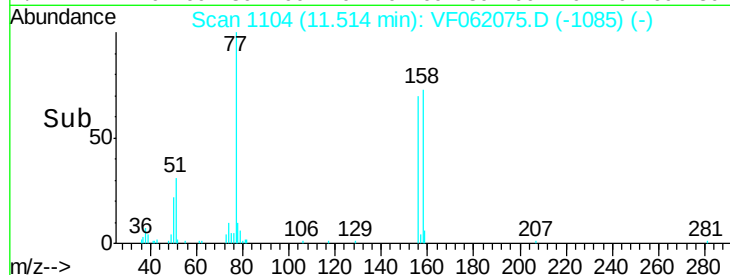
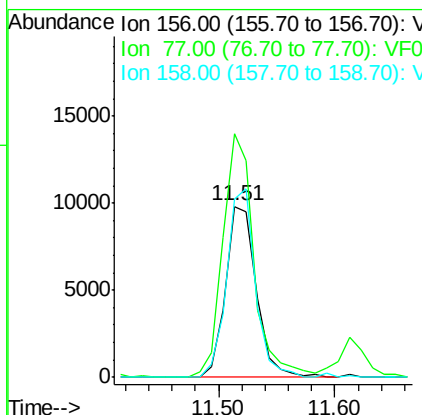
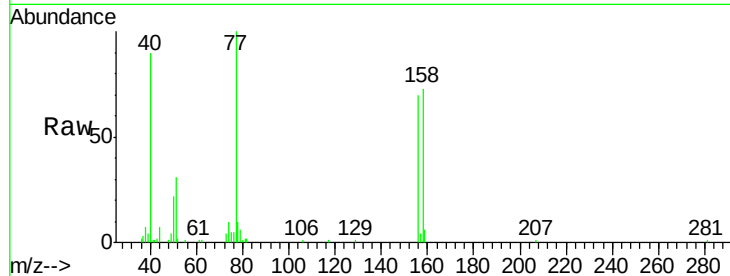
#77
Bromobenzene
Concen: 5.076 ug/l
RT: 11.51 min Scan# 1104
Delta R.T. -0.01 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	142.3	61.3	183.9
158	104.5	48.6	145.9

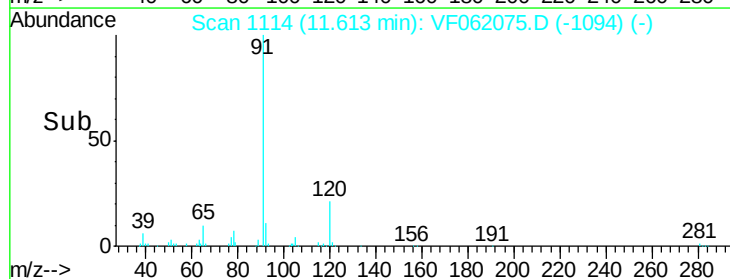
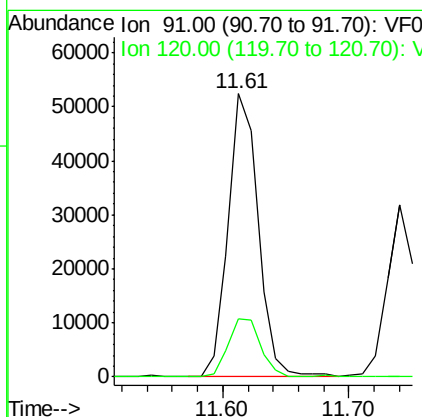
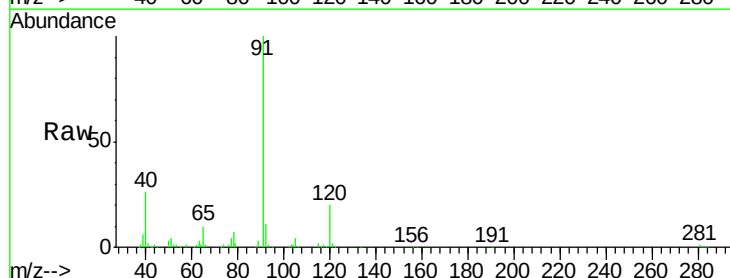
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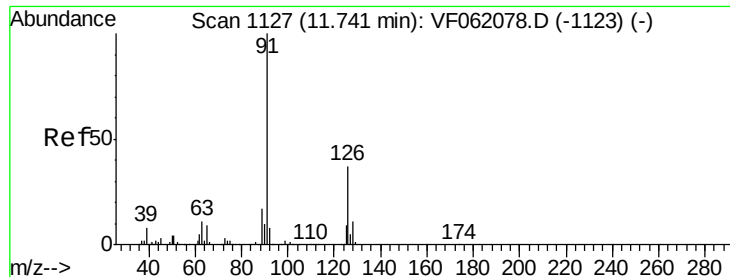
MMDadoda
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#78
n-propylbenzene
Concen: 5.141 ug/l
RT: 11.61 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.5	11.3	33.8





#79

2-Chlorotoluene

Concen: 5.211 ug/l

RT: 11.74 min Scan# 1127

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 48766

Ion Ratio Lower Upper

91 100

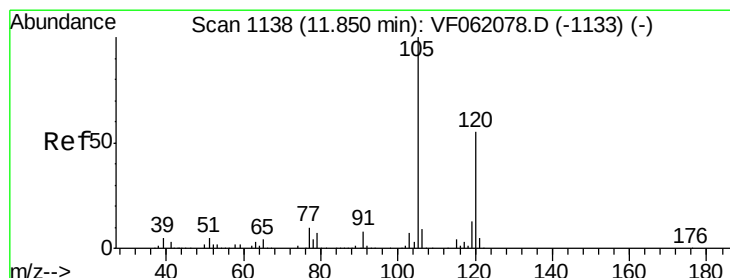
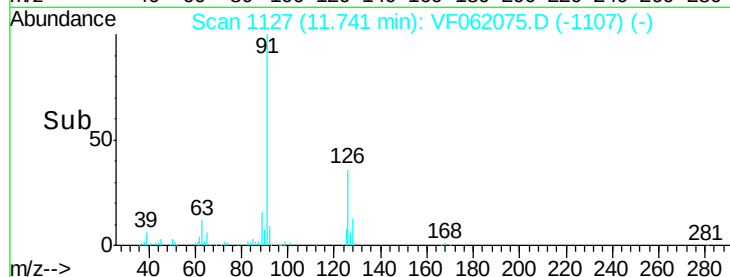
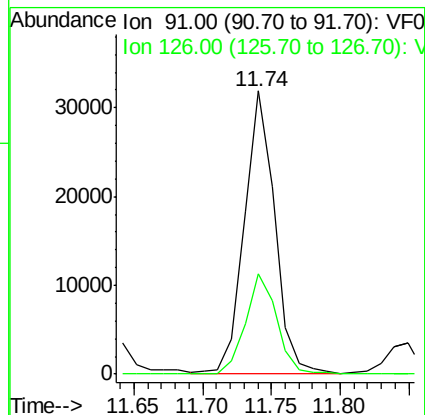
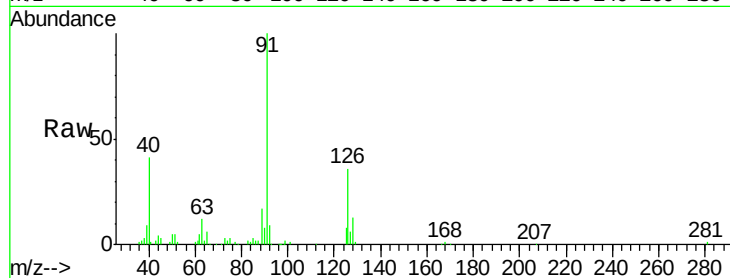
126 35.6 18.3 54.8

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#80

1,3,5-Trimethylbenzene

Concen: 5.046 ug/l

RT: 11.85 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VF062075.D

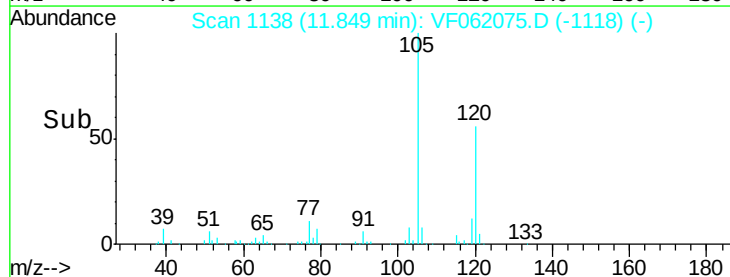
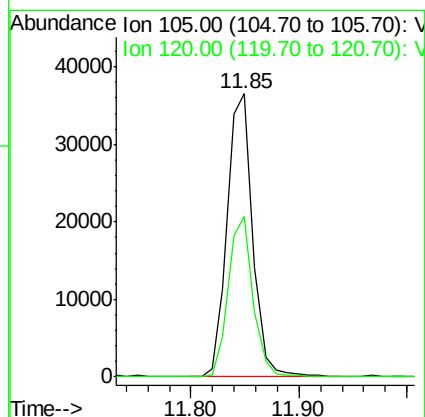
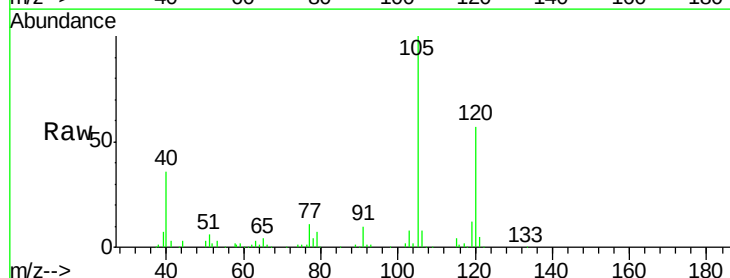
Acq: 22 Mar 2019 10:35

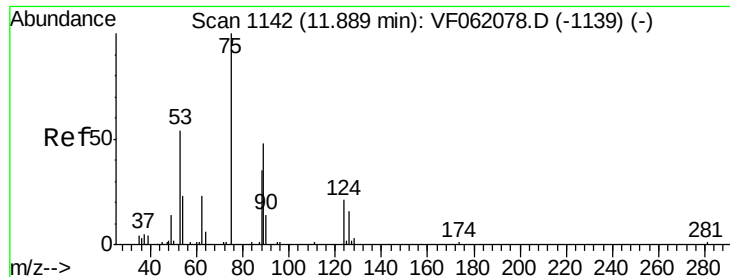
Tgt Ion: 105 Resp: 60177

Ion Ratio Lower Upper

105 100

120 56.9 27.8 83.3





#81

trans-1,4-Dichloro-2-butene

Concen: 3.418 ug/l m

RT: 11.89 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

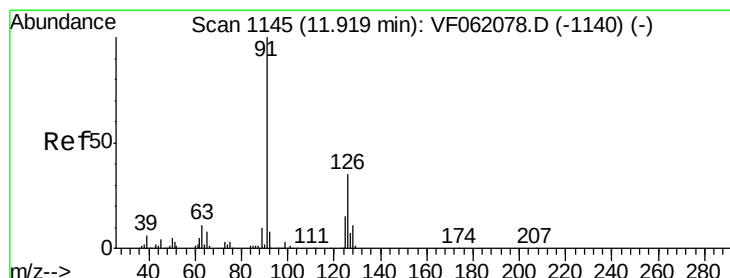
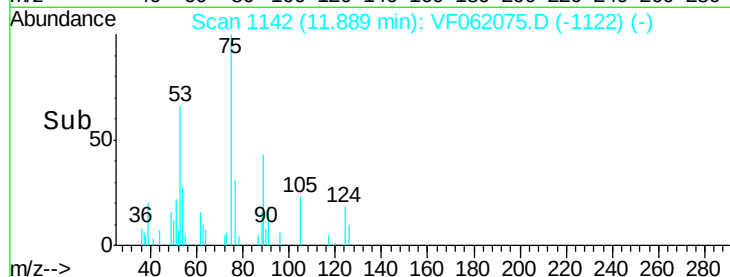
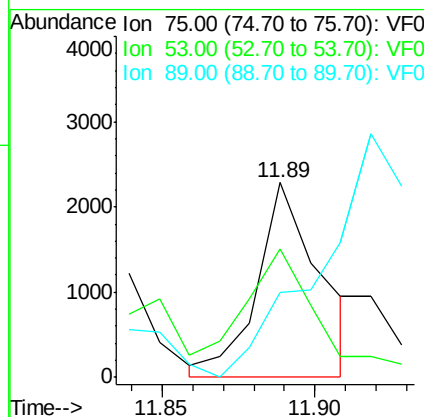
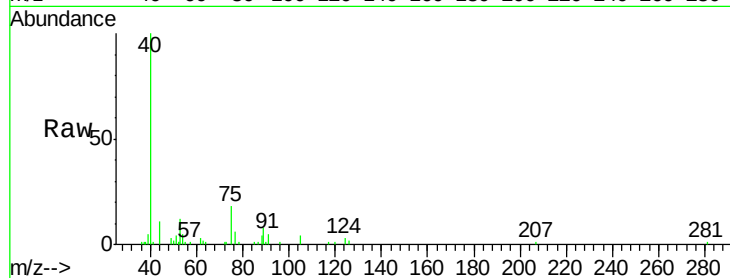
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	3230
Ion	Ratio	Lower	Upper
75	100		
53	65.9	49.4	74.0
89	43.4	40.6	60.8

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#82

4-Chlorotoluene

Concen: 5.175 ug/l

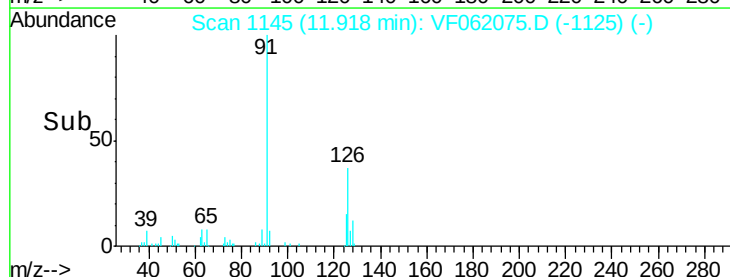
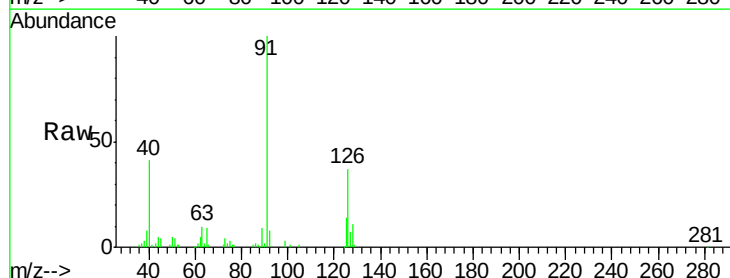
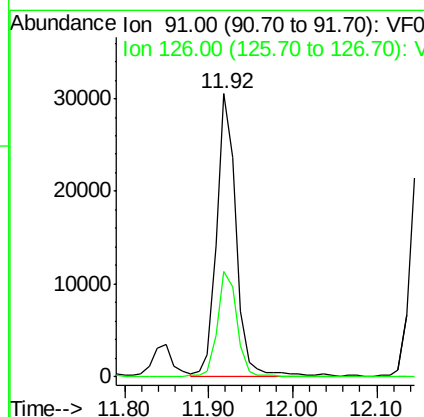
RT: 11.92 min Scan# 1145

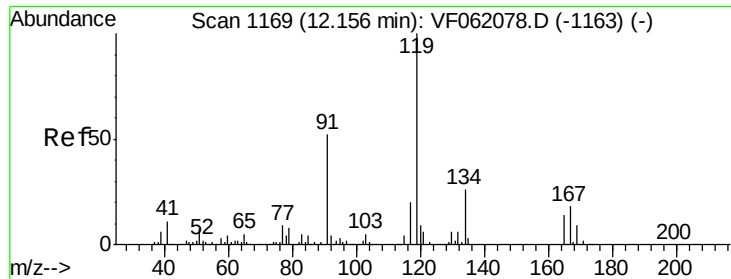
Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	91	Resp:	49653
Ion	Ratio	Lower	Upper
91	100		
126	37.3	17.2	51.6





#83

tert-Butylbenzene

Concen: 5.155 ug/l

RT: 12.15 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

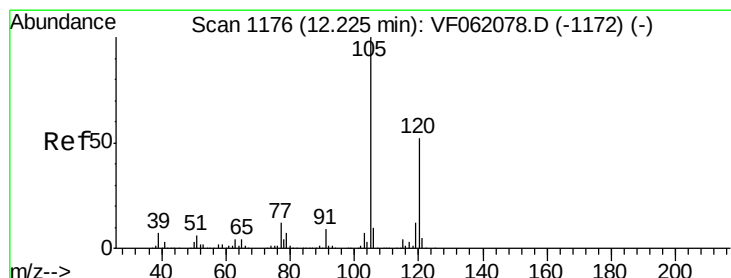
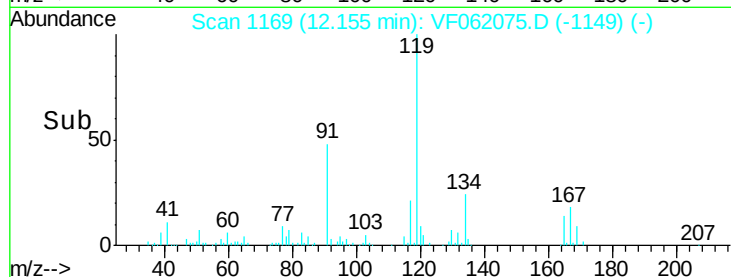
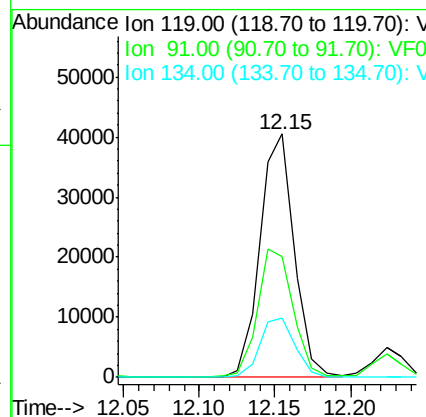
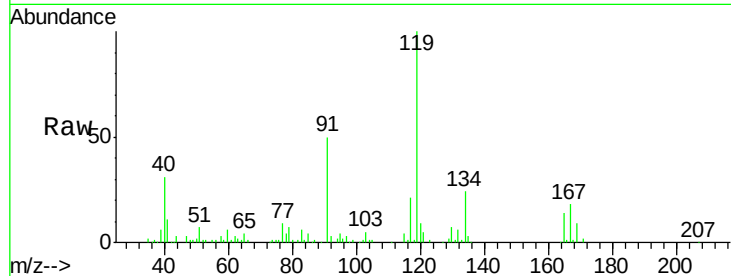
ClientSampleId :

VSTDIC005

Tot Ion:119	Resp:	64356
Ion Ratio	Lower	Upper
119 100		
91 49.9	26.1	78.2
134 24.4	12.8	38.4

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.135 ug/l

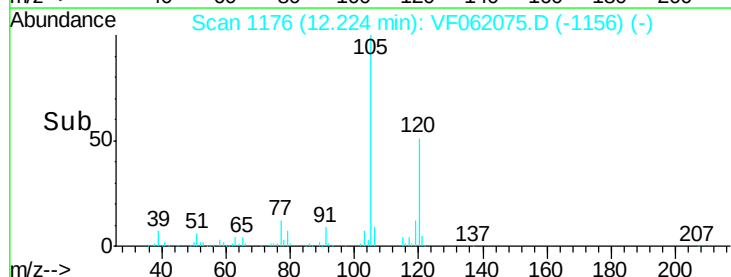
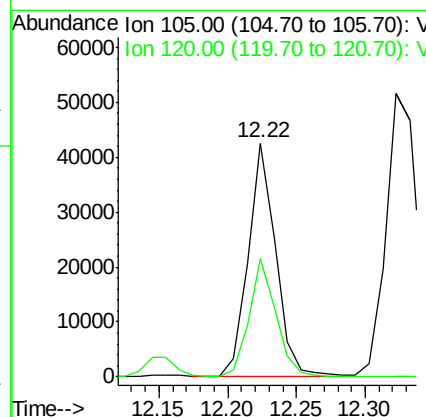
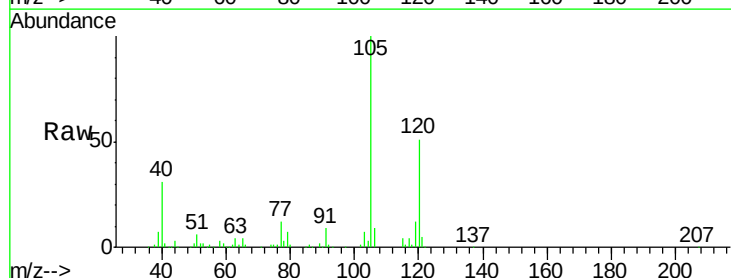
RT: 12.22 min Scan# 1176

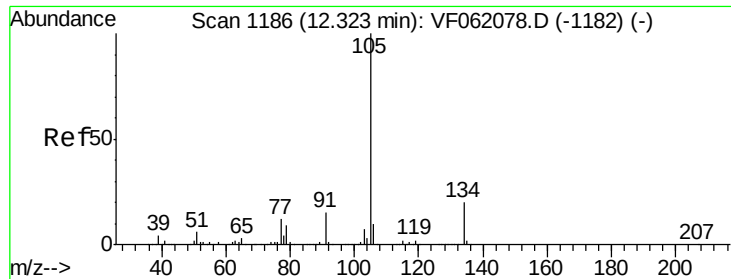
Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:105	Resp:	60037
Ion Ratio	Lower	Upper
105 100		
120 50.8	26.1	78.2





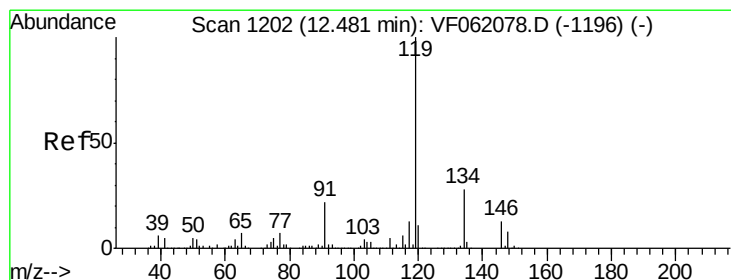
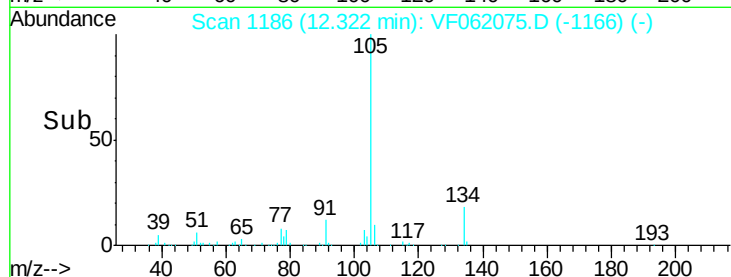
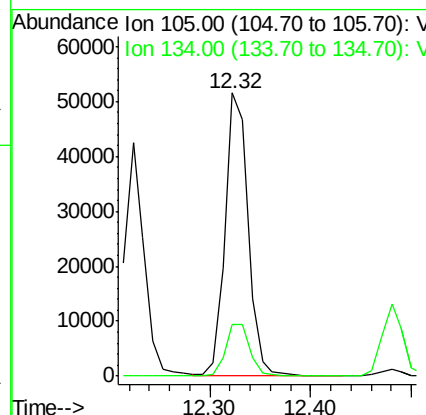
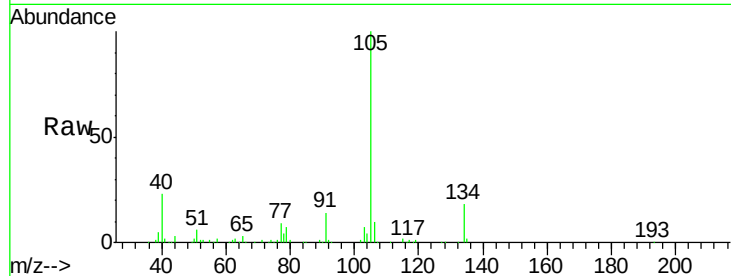
#85
 sec-Butylbenzene
 Concen: 5.097 ug/l
 RT: 12.32 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion:105 Resp: 82317
 Ion Ratio Lower Upper
 105 100
 134 18.2 10.2 30.4

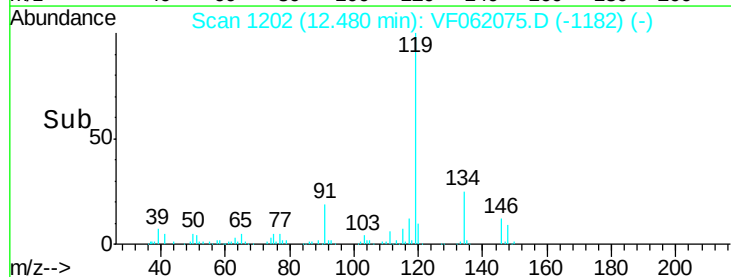
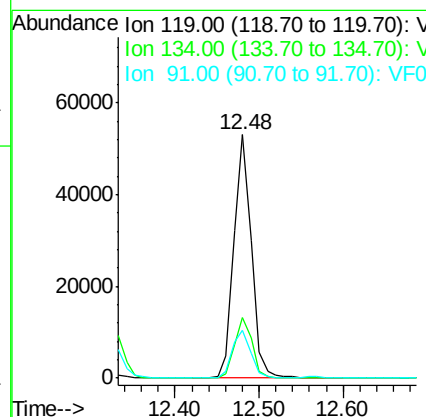
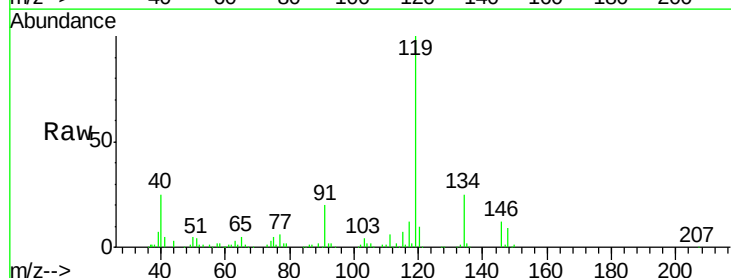
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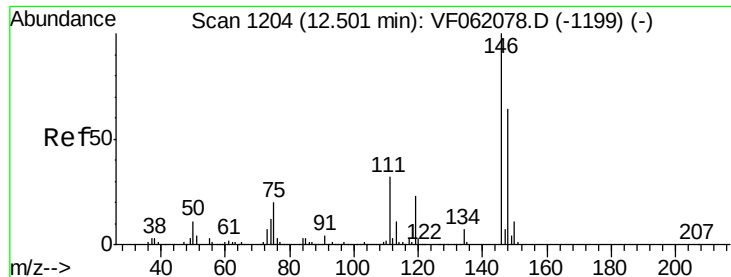
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#86
 p-Isopropyltoluene
 Concen: 5.479 ug/l
 RT: 12.48 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion:119 Resp: 76662
 Ion Ratio Lower Upper
 119 100
 134 24.7 14.0 42.0
 91 19.7 10.8 32.4





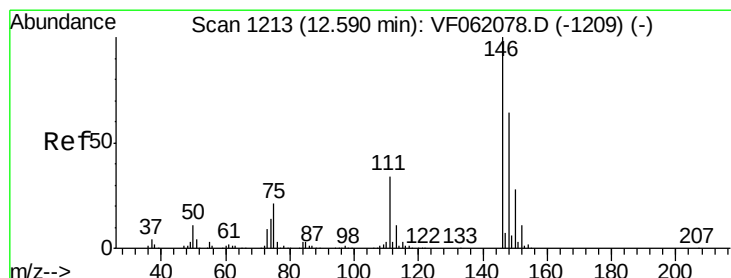
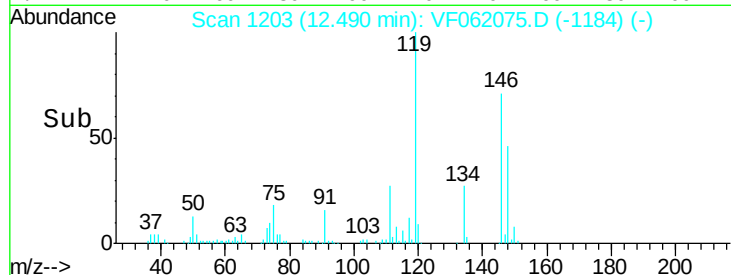
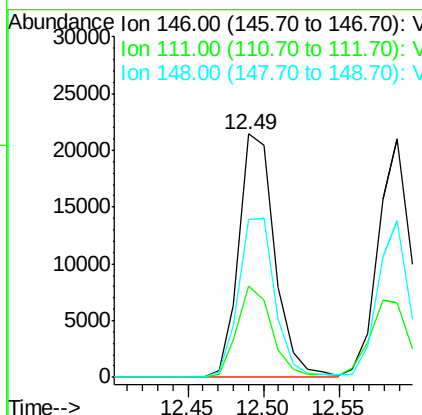
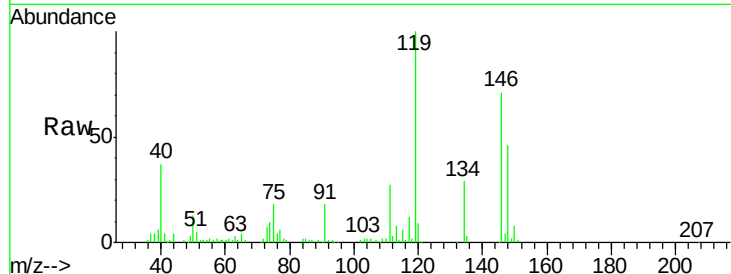
#87
 1,3-Dichlorobenzene
 Concen: 5.434 ug/l
 RT: 12.49 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	16.1	48.3
148	65.0	31.9	95.7

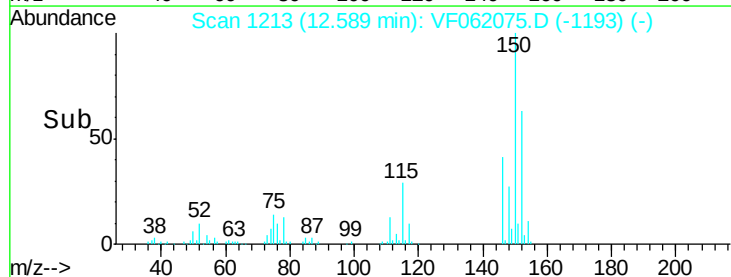
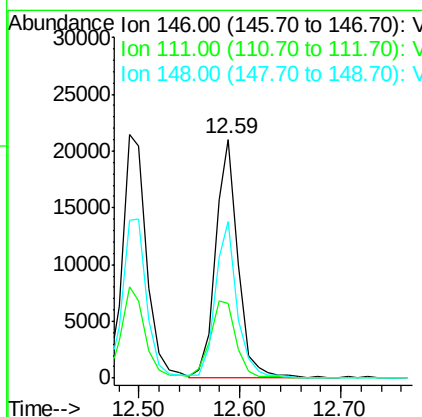
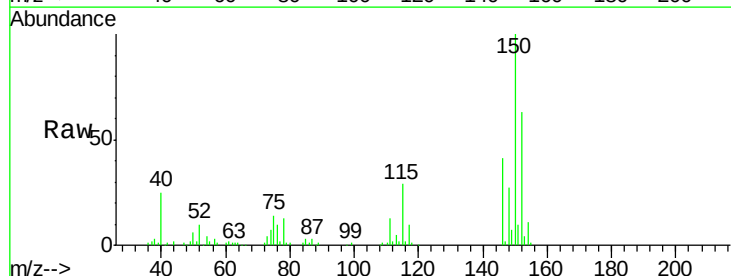
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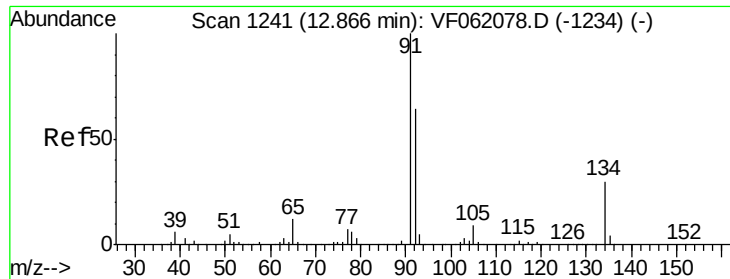
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#88
 1,4-Dichlorobenzene
 Concen: 5.103 ug/l
 RT: 12.59 min Scan# 1213
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.5	16.9	50.6
148	65.8	31.9	95.7





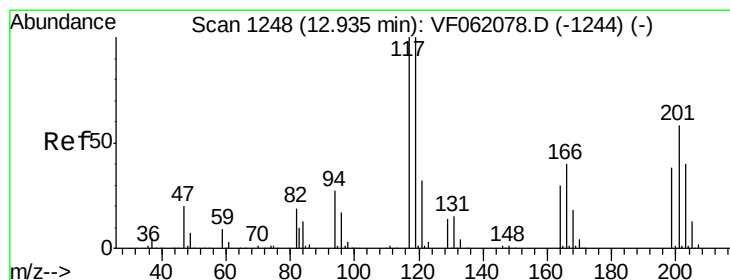
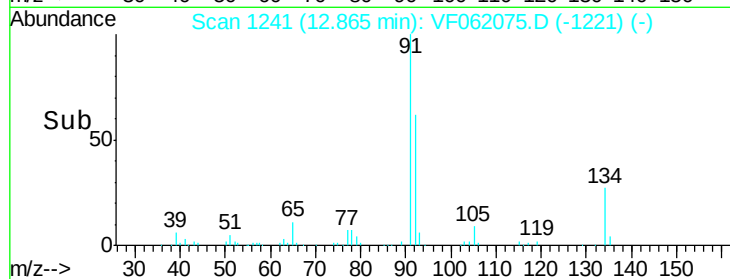
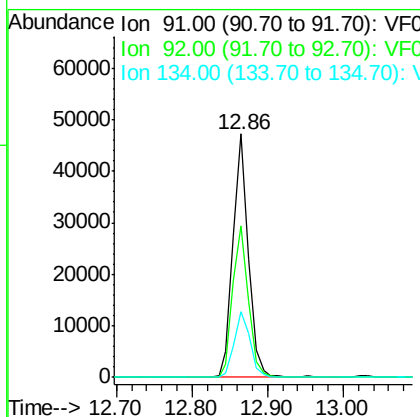
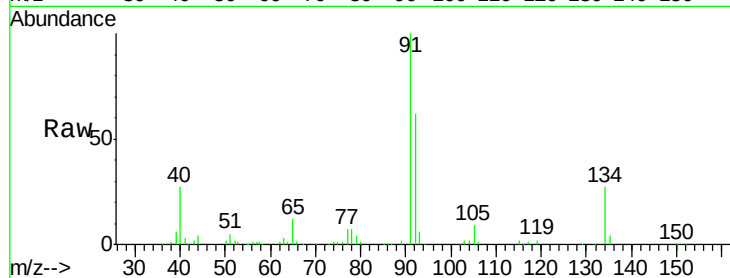
#89
n-Butylbenzene
Concen: 4.921 ug/l
RT: 12.86 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		65694		
92	62.2	31.9	95.5		
134	26.9	14.9	44.9		

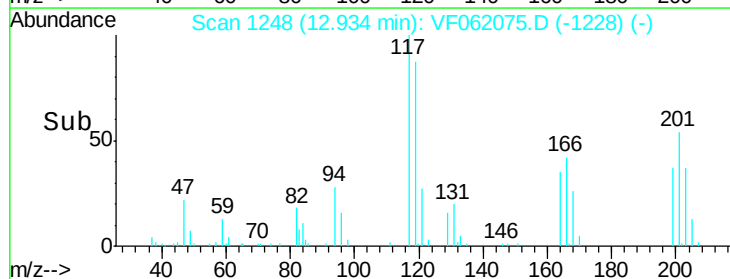
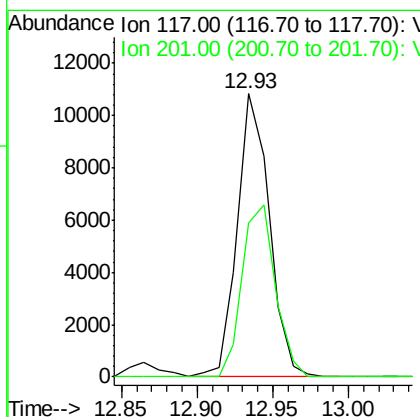
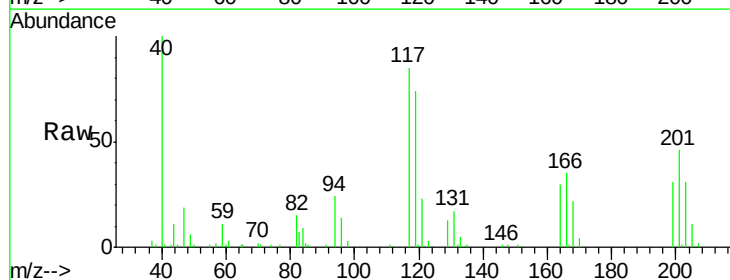
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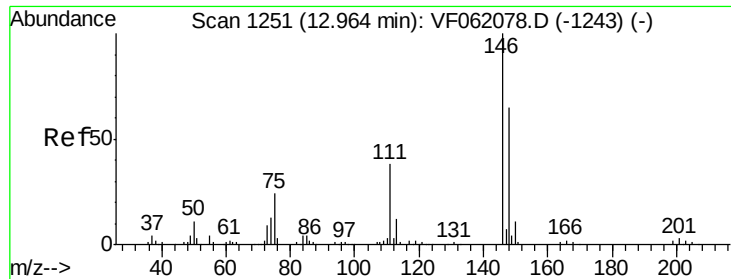
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#90
Hexachloroethane
Concen: 4.797 ug/l
RT: 12.93 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VF062075.D
Acq: 22 Mar 2019 10:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		15982		
201	54.4	28.7	86.1		





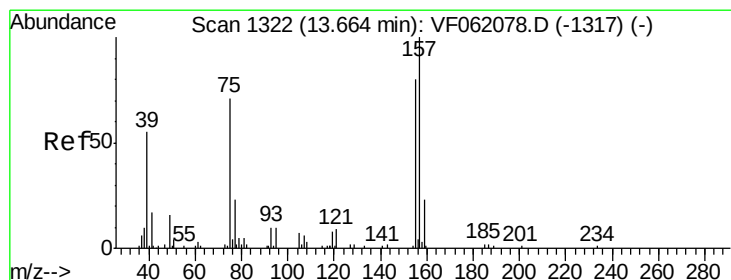
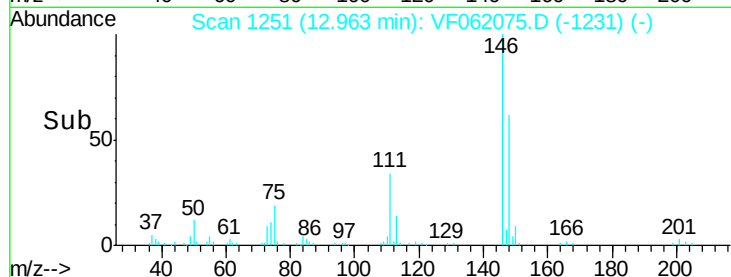
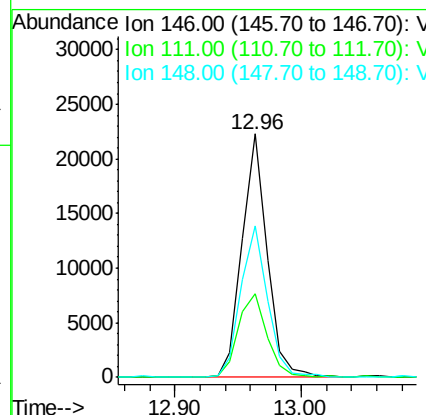
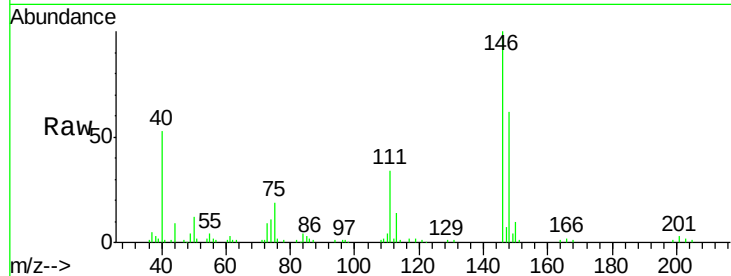
#91
 1,2-Dichlorobenzene
 Concen: 4.994 ug/l
 RT: 12.96 min Scan# 1251
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	34.5	19.1	57.3
148	62.0	32.8	98.3

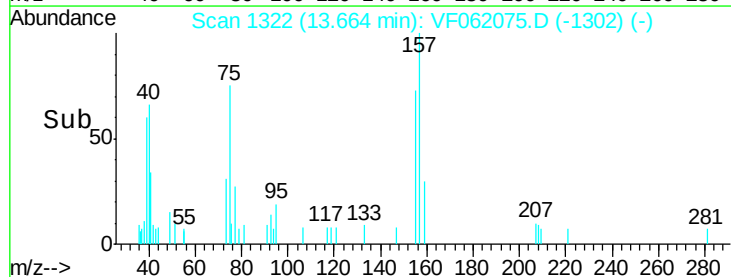
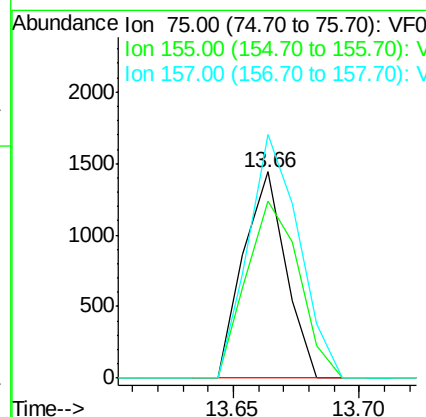
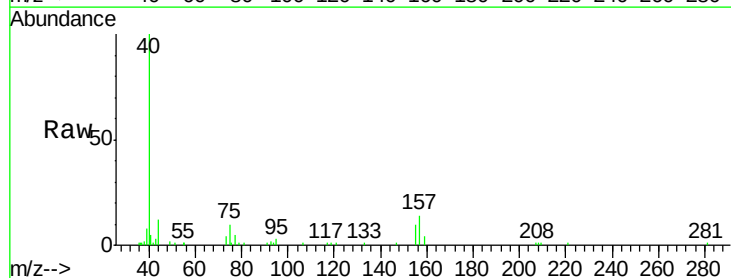
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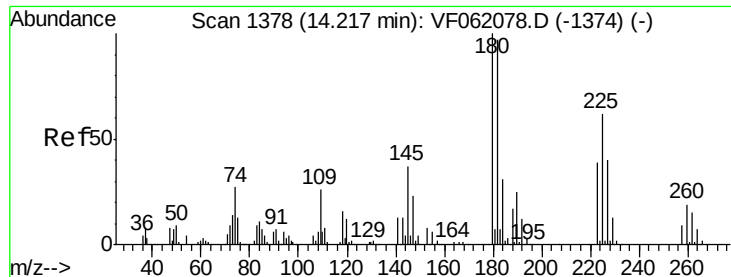
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.464 ug/l
 RT: 13.66 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	56.1	168.4
157	118.0	70.4	211.2





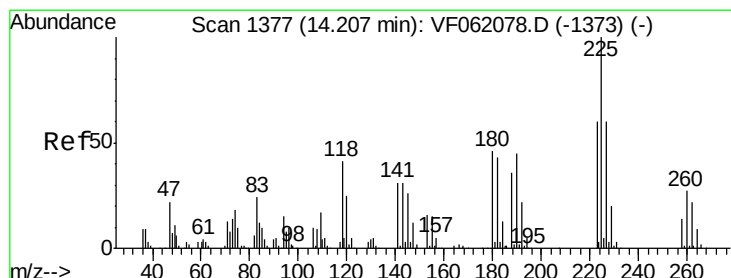
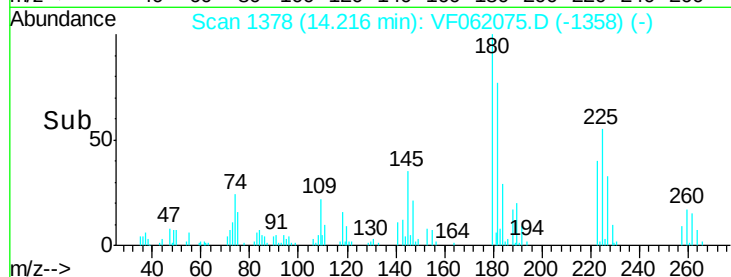
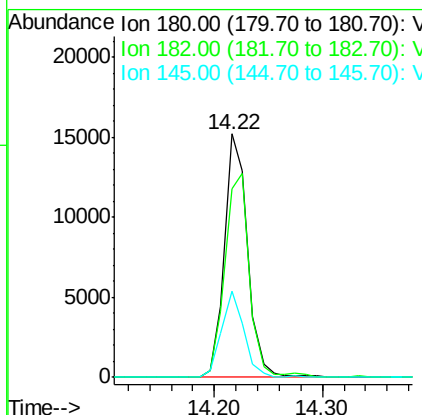
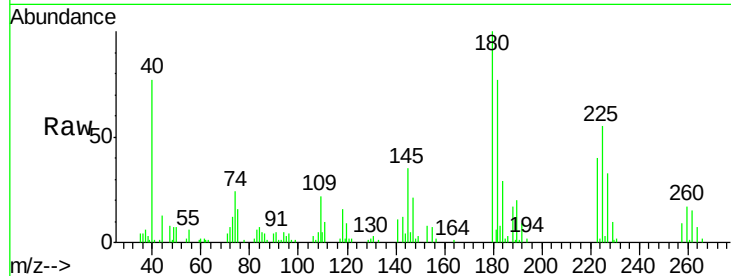
#93
 1,2,4-Trichlorobenzene
 Concen: 5.264 ug/l
 RT: 14.22 min Scan# 1378
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.5	48.7	146.1
145	35.4	18.3	54.8

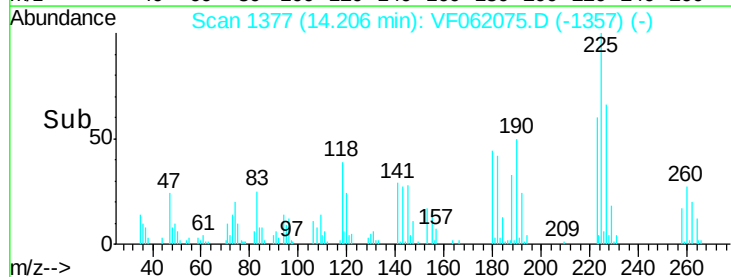
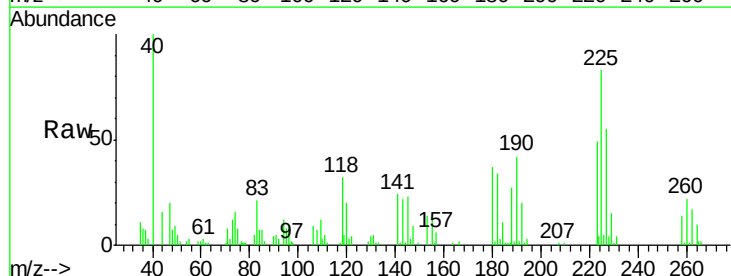
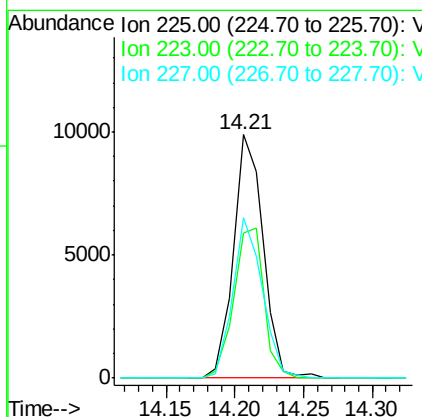
Manual Integrations
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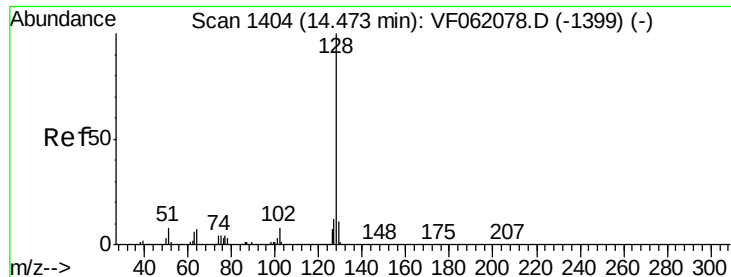
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#94
 Hexachlorobutadiene
 Concen: 5.187 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. -0.00 min
 Lab File: VF062075.D
 Acq: 22 Mar 2019 10:35

Tgt Ion	Ratio	Lower	Upper
225	100		
223	56.3	30.0	90.0
227	62.5	30.2	90.6





#95

Naphthalene

Concen: 4.420 ug/l

RT: 14.47 min Scan# 1404

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Instrument :

MSVOA_F

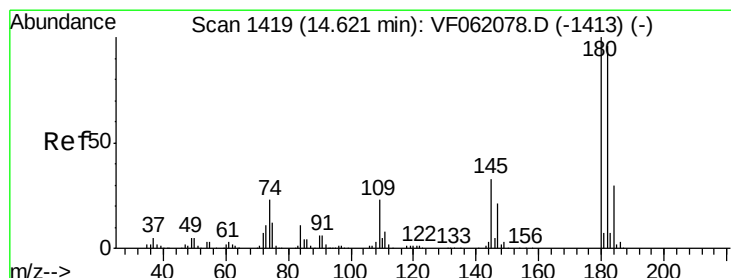
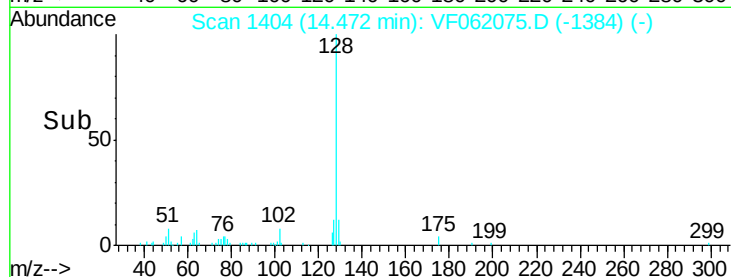
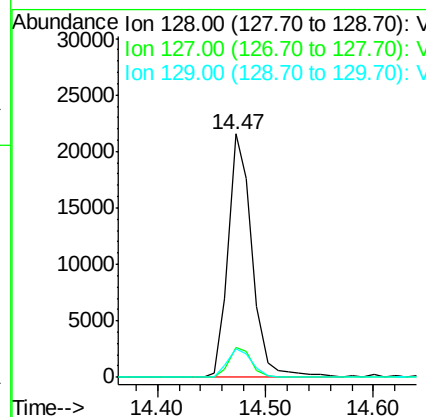
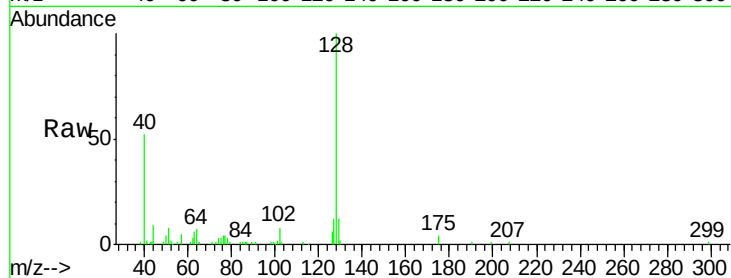
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	33359
Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.5	14.3
129	11.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/27/2019 11:57:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 4.850 ug/l

RT: 14.62 min Scan# 1419

Delta R.T. -0.00 min

Lab File: VF062075.D

Acq: 22 Mar 2019 10:35

Tgt Ion:	180	Resp:	19553
Ion	Ratio	Lower	Upper
180	100		
182	86.7	47.9	143.7
145	31.0	16.6	49.7

