

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062280.D
 Acq On : 24 Apr 2019 14:45
 Operator : FY/SY
 Sample : VSTDIC020
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 4/26/2019 9:20:59 AM

Quant Time: Apr 25 08:12:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82F042419S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 25 07:31:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.07	168	484423	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	671608	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	489074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	279520	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.04	65	72175	18.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	36.74%	
35) Dibromofluoromethane	4.32	113	94852	18.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.12%	
50) Toluene-d8	7.72	98	226877	18.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	37.18%	
62) 4-Bromofluorobenzene	11.51	95	90711	17.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	35.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.01	85	122662	20.467	ug/l	95
3) Chloromethane	1.16	50	99554	19.835	ug/l	99
4) Vinyl Chloride	1.19	62	94483	20.067	ug/l	94
5) Bromomethane	1.38	94	55825	17.566	ug/l	96
6) Chloroethane	1.45	64	40918	19.834	ug/l	90
7) Trichlorofluoromethane	1.56	101	150261	20.230	ug/l	90
8) Diethyl Ether	1.72	74	24538	18.382	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	1.92	101	93241	20.028	ug/l	99
10) Methyl Iodide	1.99	142	162432	20.044	ug/l	91
11) Tert butyl alcohol	2.71	59	23835	101.910	ug/l #	86
12) 1,1-Dichloroethene	1.87	96	83945	19.650	ug/l	97
13) Acrolein	2.10	56	8199m	52.932	ug/l	
14) Allyl chloride	2.20	41	92027	14.288	ug/l #	71
15) Acrylonitrile	3.10	53	69192	102.290	ug/l	97
16) Acetone	2.36	43	80411	91.623	ug/l	96
17) Carbon Disulfide	1.91	76	214309	19.347	ug/l	96
18) Methyl Acetate	2.47	43	39297	18.059	ug/l	99
19) Methyl tert-butyl Ether	2.55	73	160467	20.387	ug/l	95
20) Methylene Chloride	2.35	84	90134m	16.233	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	82285	20.054	ug/l	90
22) Diisopropyl ether	2.95	45	241776	19.722	ug/l	98
23) Vinyl Acetate	3.35	43	536386	100.993	ug/l	97
24) 1,1-Dichloroethane	3.02	63	141118	20.520	ug/l	99
25) 2-Butanone	4.54	43	137324	98.726	ug/l	96
26) 2,2-Dichloropropane	3.79	77	71972	20.038	ug/l	99
27) cis-1,2-Dichloroethene	3.66	96	109326	20.829	ug/l	95
28) Bromochloromethane	3.92	49	60256	20.035	ug/l #	97
29) Tetrahydrofuran	4.29	42	56522	93.230	ug/l	99
30) Chloroform	4.06	83	178538	20.814	ug/l	100
31) Cyclohexane	3.89	56	135814	20.416	ug/l	97
32) 1,1,1-Trichloroethane	4.30	97	117086	18.329	ug/l #	85
36) 1,1-Dichloropropene	4.49	75	126855	19.887	ug/l	98
37) Ethyl Acetate	4.31	43	48397	18.479	ug/l	91
38) Carbon Tetrachloride	4.19	117	121743	19.533	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	149913	19.943	ug/l	97
40) Benzene	4.83	78	315068	20.478	ug/l	99
41) Methacrylonitrile	4.95	41	30123	20.591	ug/l	94
42) 1,2-Dichloroethane	5.14	62	95518	20.216	ug/l	99
43) Isopropyl Acetate	7.13	43	50765	18.377	ug/l #	99
44) Trichloroethene	5.70	130	102792	19.754	ug/l	95
45) 1,2-Dichloropropane	6.42	63	64573	19.053	ug/l	98
46) Dibromomethane	6.27	93	50768	20.679	ug/l	98
47) Bromodichloromethane	6.57	83	114766	19.857	ug/l	94
48) Methyl methacrylate	6.89	41	35842	18.909	ug/l	93
49) 1,4-Dioxane	6.88	88	7427	342.357	ug/l	94
51) 4-Methyl-2-Pentanone	8.41	43	199147	94.220	ug/l	99
52) Toluene	7.79	92	176016	19.947	ug/l	97
53) t-1,3-Dichloropropene	8.43	75	84542	20.085	ug/l	92
54) cis-1,3-Dichloropropene	7.46	75	112761	20.631	ug/l	96
55) 1,1,2-Trichloroethane	8.65	97	49475	20.513	ug/l	92
56) Ethyl methacrylate	8.76	69	50428	18.703	ug/l	96
57) 1,3-Dichloropropane	9.00	76	73507	19.380	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.46	63	87004	104.455	ug/l	97
59) 2-Hexanone	9.63	43	122170	59.272	ug/l	100
60) Dibromochloromethane	8.87	129	77567	19.959	ug/l	96
61) 1,2-Dibromoethane	9.14	107	54705	19.464	ug/l	97
64) Tetrachloroethene	8.31	164	86372	20.546	ug/l	96
65) Chlorobenzene	9.95	112	185748	20.477	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.08	131	89255	20.414	ug/l	97
67) Ethyl Benzene	10.04	91	318538	19.797	ug/l	97
68) m/p-Xylenes	10.26	106	240039	40.403	ug/l	97
69) o-Xylene	10.83	106	140445	21.059	ug/l	97
70) Styrene	10.89	104	196790	20.397	ug/l	97
71) Bromoform	10.88	173	48984	20.642	ug/l #	99
73) Isopropylbenzene	11.22	105	426705	21.382	ug/l	98
74) N-amyl acetate	11.46	43	87879	19.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	59765	20.027	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	41268	19.163	ug/l #	100
77) Bromobenzene	11.58	156	99369	20.646	ug/l	99
78) n-propylbenzene	11.68	91	414606	19.965	ug/l	99
79) 2-Chlorotoluene	11.80	91	251701	20.394	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	338659	20.282	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	20499m	16.392	ug/l	
82) 4-Chlorotoluene	11.98	91	241023	19.706	ug/l	99
83) tert-Butylbenzene	12.21	119	376516	21.507	ug/l	98
84) 1,2,4-Trimethylbenzene	12.27	105	337391	20.548	ug/l	97
85) sec-Butylbenzene	12.37	105	457304	21.042	ug/l	99
86) p-Isopropyltoluene	12.52	119	399279	20.640	ug/l	99
87) 1,3-Dichlorobenzene	12.54	146	171463	19.579	ug/l	99
88) 1,4-Dichlorobenzene	12.63	146	166325	20.254	ug/l	99
89) n-Butylbenzene	12.91	91	367214	20.355	ug/l	96
90) Hexachloroethane	12.98	117	101921	21.235	ug/l	99
91) 1,2-Dichlorobenzene	13.00	146	172967	20.545	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	11920	19.650	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	152048	20.384	ug/l	98
94) Hexachlorobutadiene	14.24	225	110134	20.802	ug/l	98
95) Naphthalene	14.50	128	223505	20.180	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	141320	20.585	ug/l	98

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

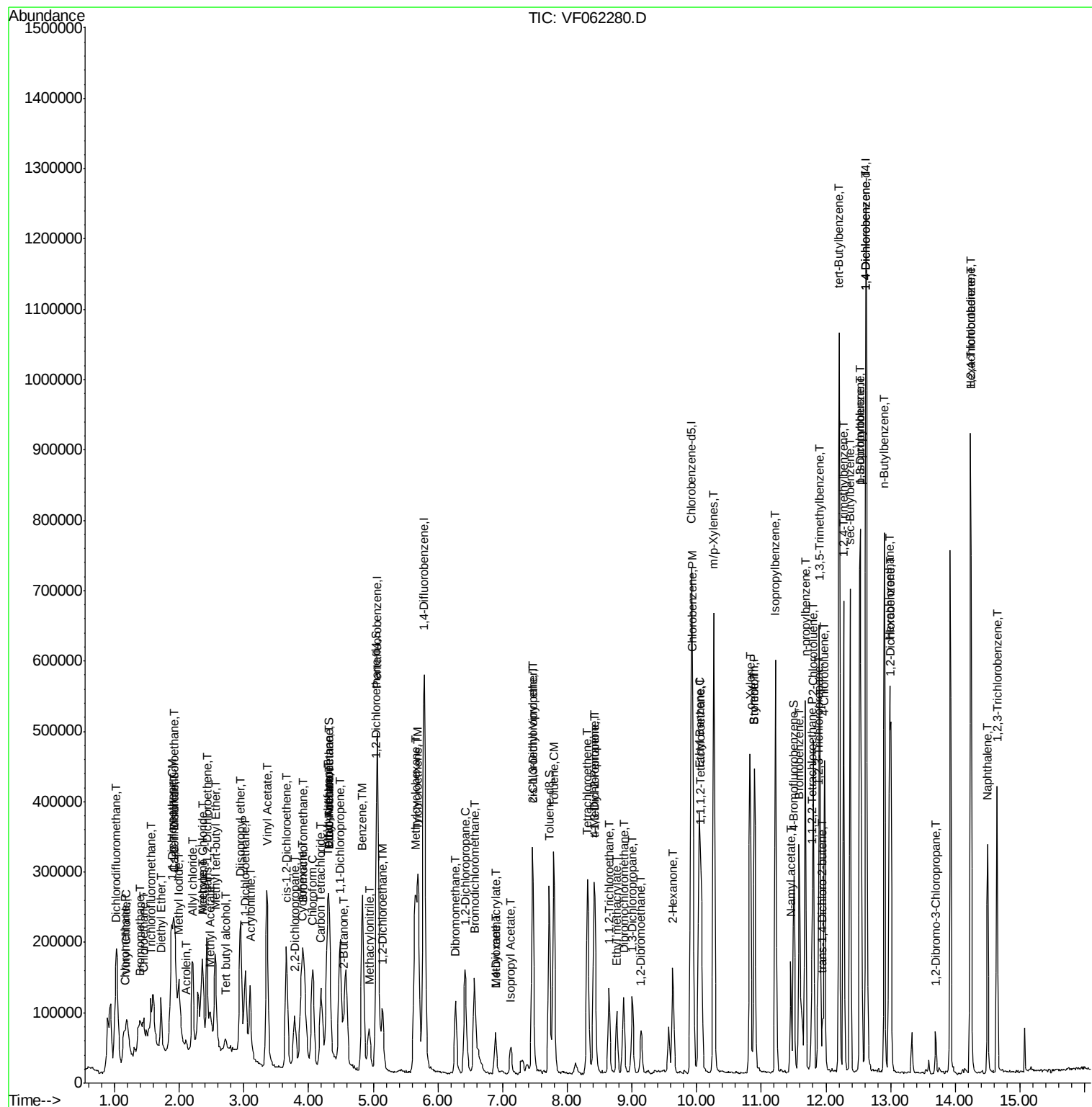
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF042419\
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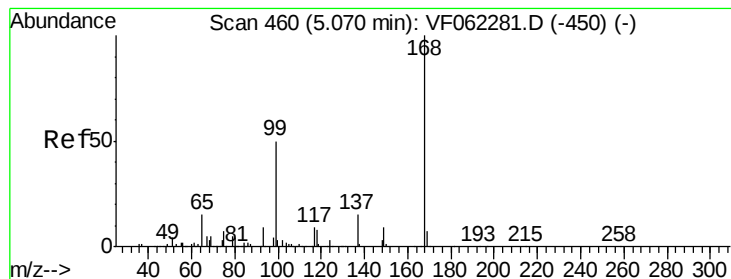
Instrument :
MSVOA_F
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tot Ion: 168 Resp: 484423

Ion Ratio Lower Upper

168 100

99 49.8 40.0 60.0

Instrument :

MSVOA_F

ClientSampleId :

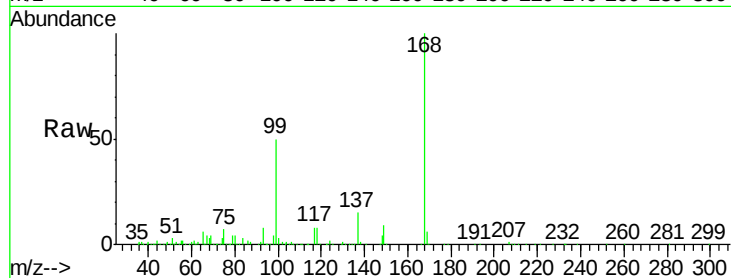
VSTDIC020

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VF0

Ion 98.90 (98.60 to 99.60): VF0

5.07

150000

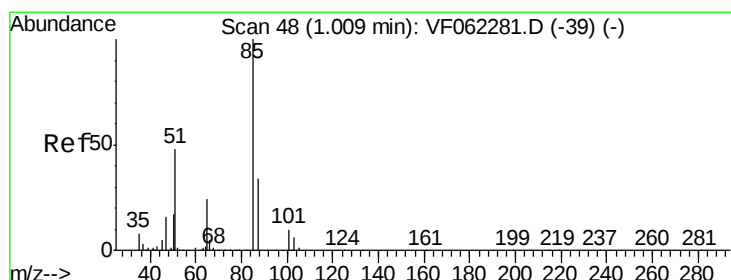
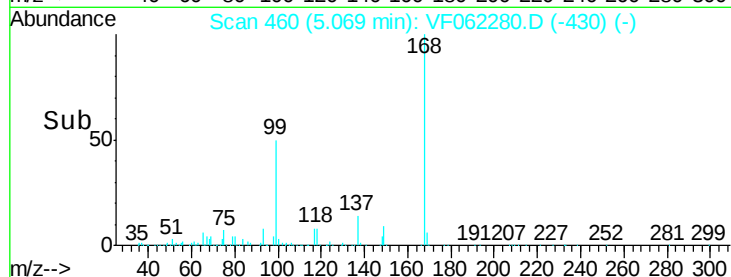
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50000

0

Time-->

5.00 5.20



#2

Dichlorodifluoromethane

Concen: 20.467 ug/l

RT: 1.01 min Scan# 48

Delta R.T. -0.00 min

Lab File: VF062280.D

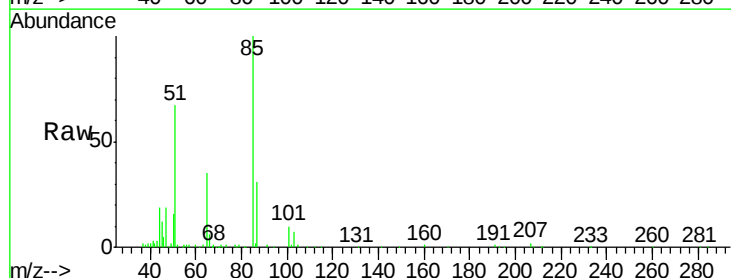
Acq: 24 Apr 2019 14:45

Tgt Ion: 85 Resp: 122662

Ion Ratio Lower Upper

85 100

87 31.2 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

1.01

30000

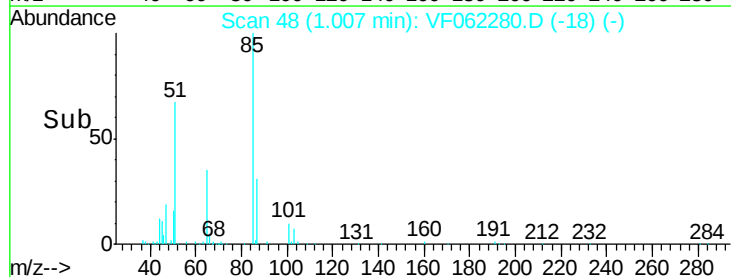
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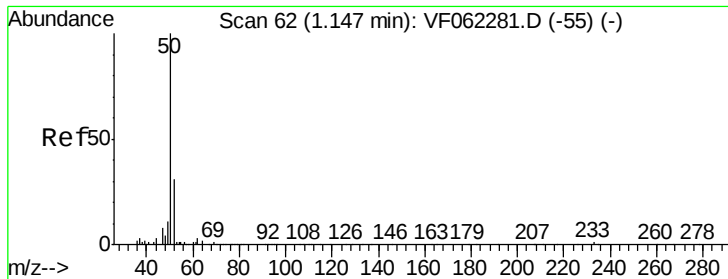
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Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 19.835 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 99554

Ion Ratio Lower Upper

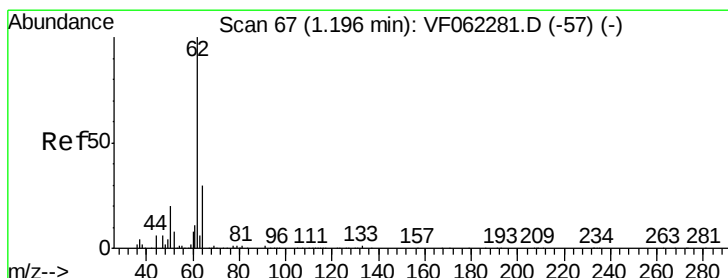
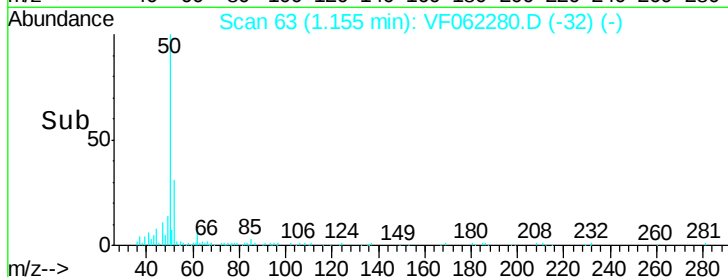
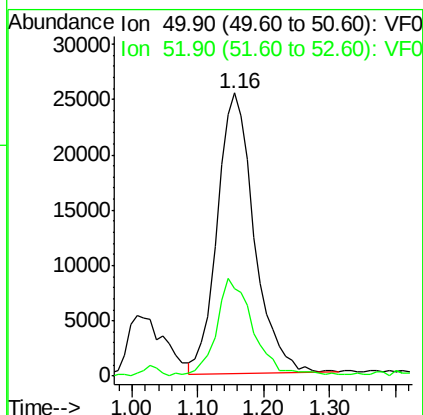
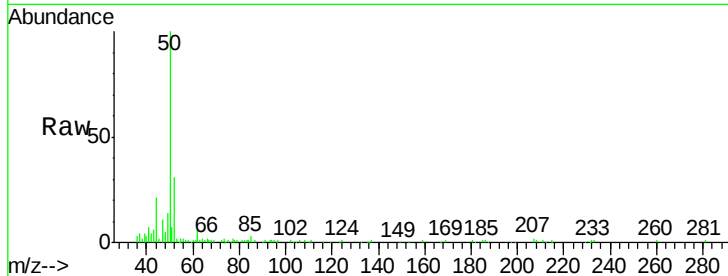
50 100

52 30.8 24.2 36.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 20.067 ug/l

RT: 1.19 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062280.D

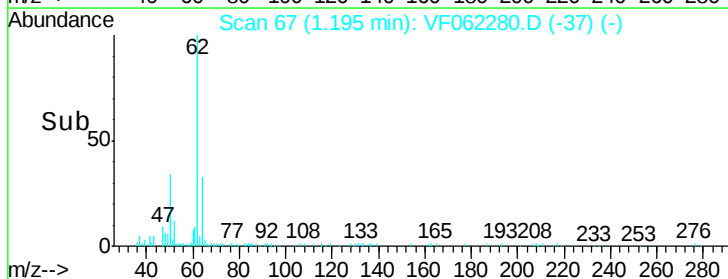
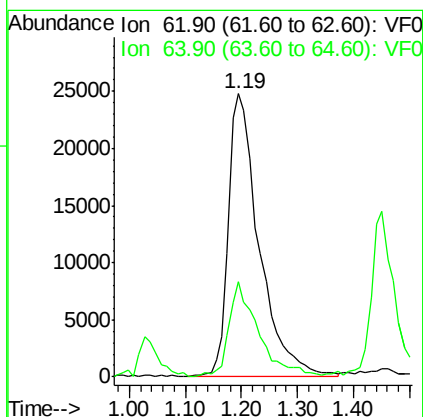
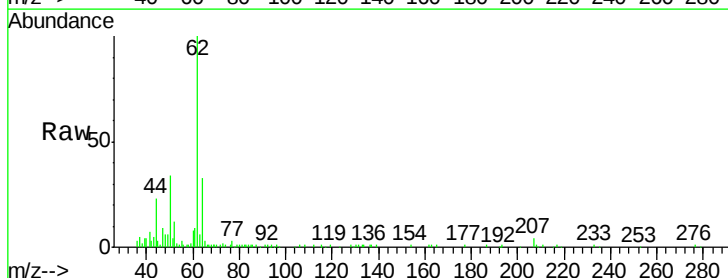
Acq: 24 Apr 2019 14:45

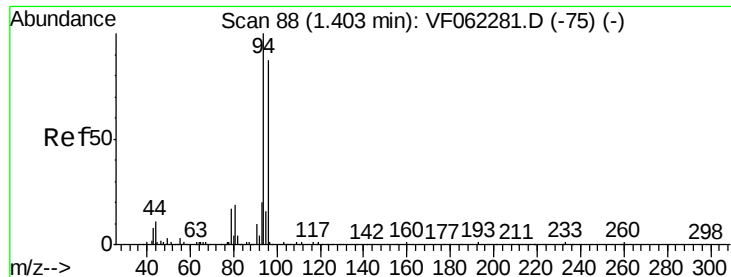
Tgt Ion: 62 Resp: 94483

Ion Ratio Lower Upper

62 100

64 33.5 24.3 36.5





#5

Bromomethane

Concen: 17.566 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 55825

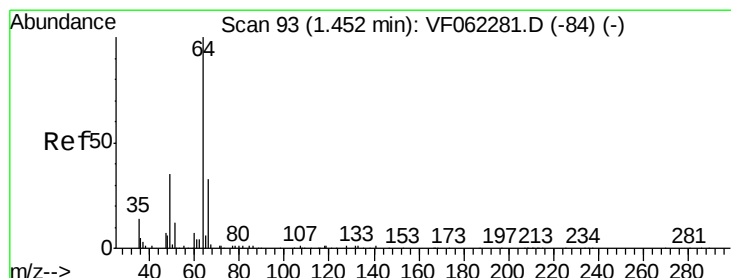
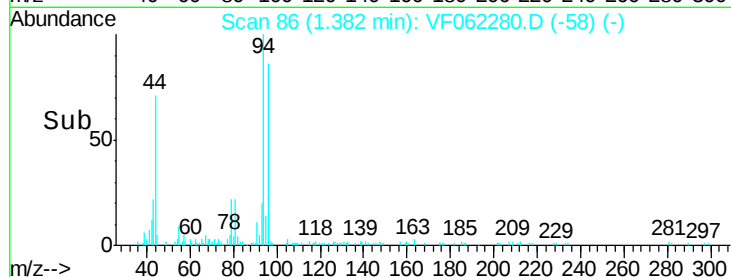
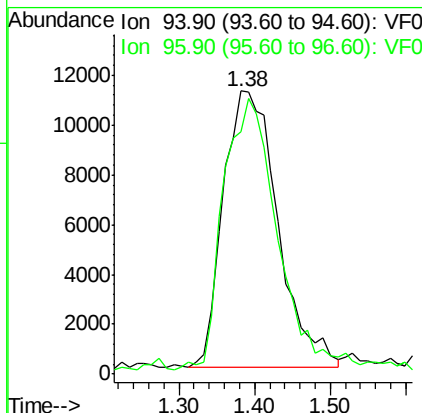
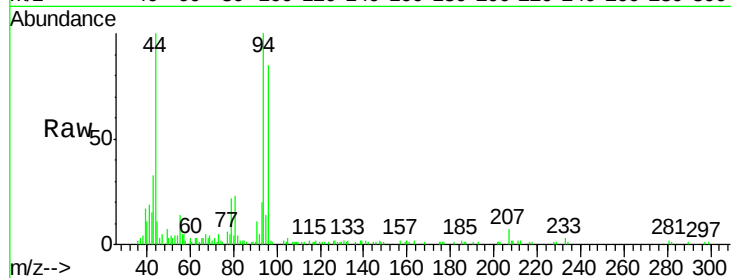
Ion Ratio Lower Upper

94 100

96 83.2 69.5 104.3

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#6

Chloroethane

Concen: 19.834 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.00 min

Lab File: VF062280.D

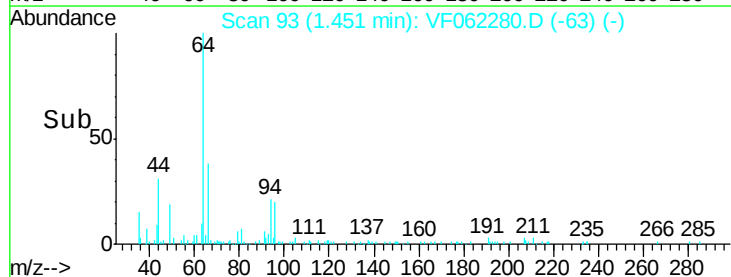
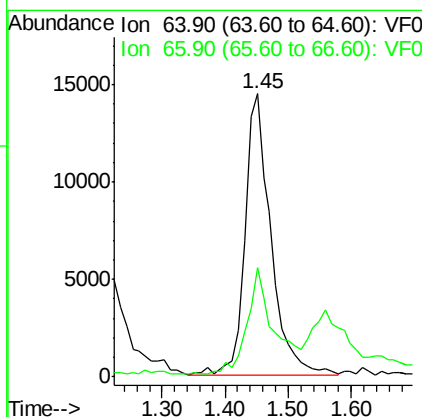
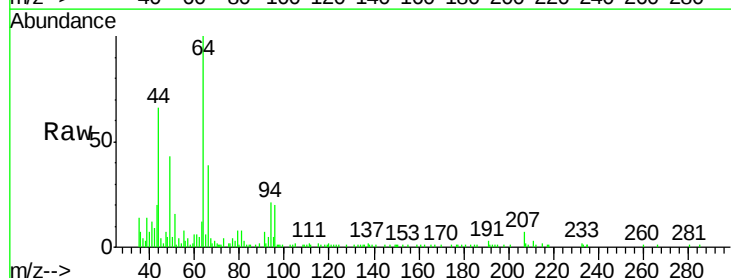
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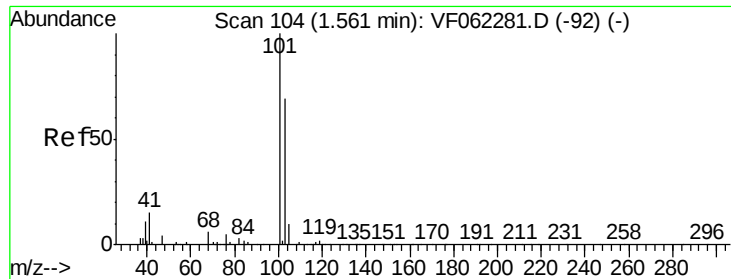
Tgt Ion: 64 Resp: 40918

Ion Ratio Lower Upper

64 100

66 38.1 26.0 39.0





#7

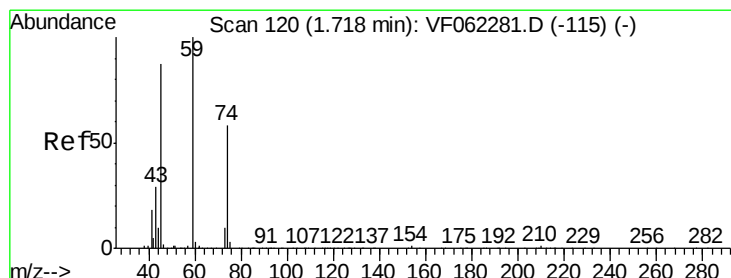
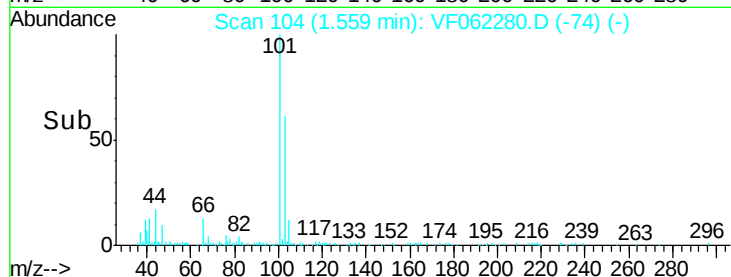
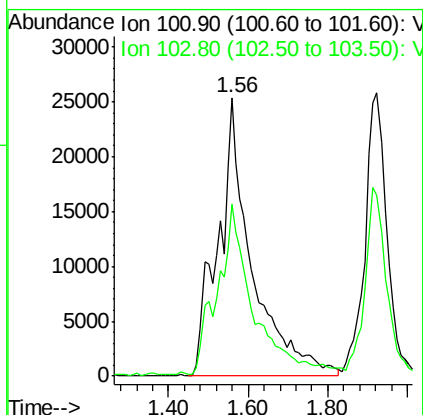
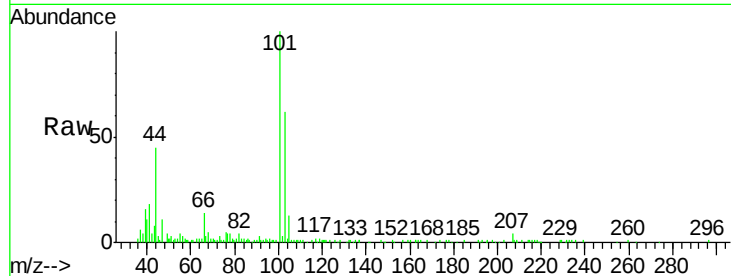
Trichlorofluoromethane
Concen: 20.230 ug/l
RT: 1.56 min Scan# 104
Delta R.T. -0.00 min
Lab File: VF062280.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	55.0	82.6

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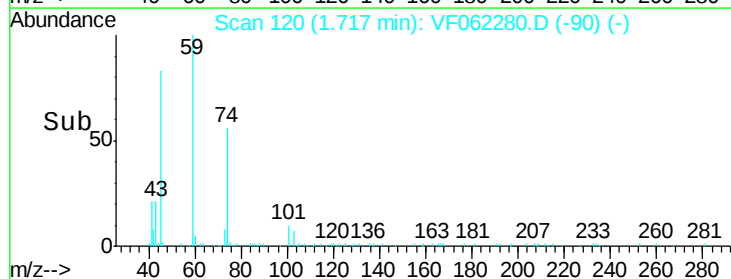
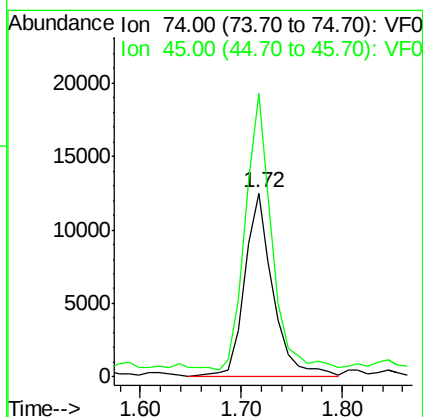
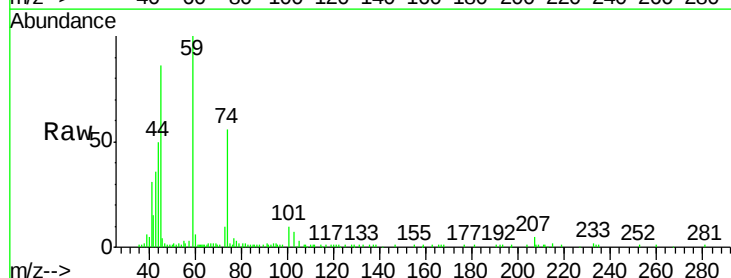
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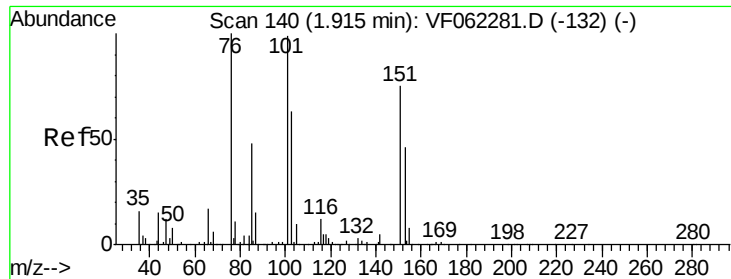


#8

Diethyl Ether
Concen: 18.382 ug/l
RT: 1.72 min Scan# 120
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	139.0	74.0	222.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.028 ug/l

RT: 1.92 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

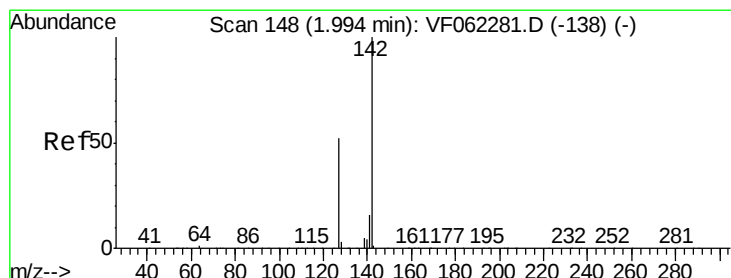
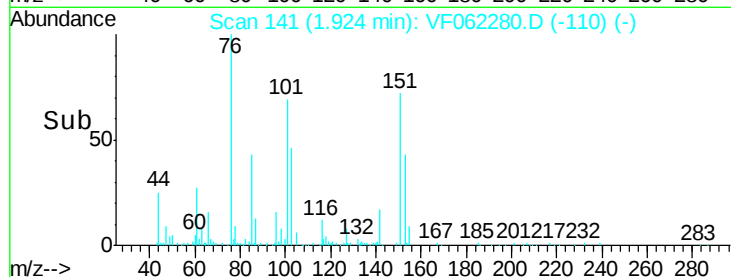
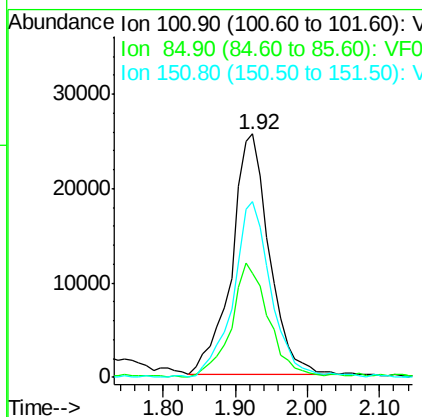
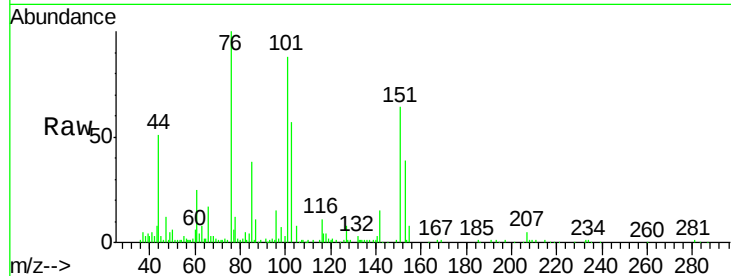
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	93241
Ion Ratio	Lower	Upper	
101	100		
85	47.3	36.5	54.7
151	73.7	59.2	88.8

Manual Integrations
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MMDadoda
4/26/2019 9:20:59 AM



#10

Methyl Iodide

Concen: 20.044 ug/l

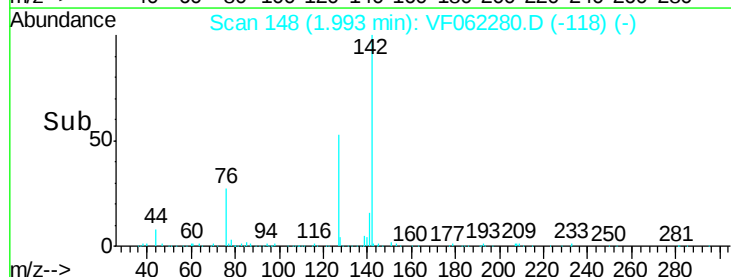
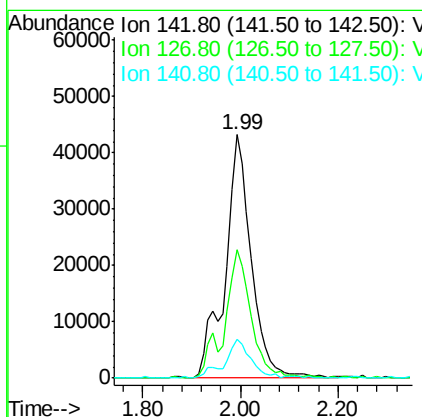
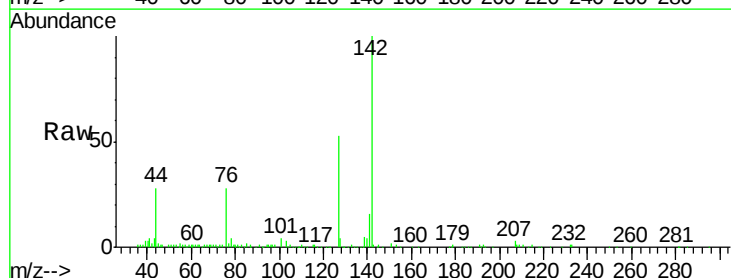
RT: 1.99 min Scan# 148

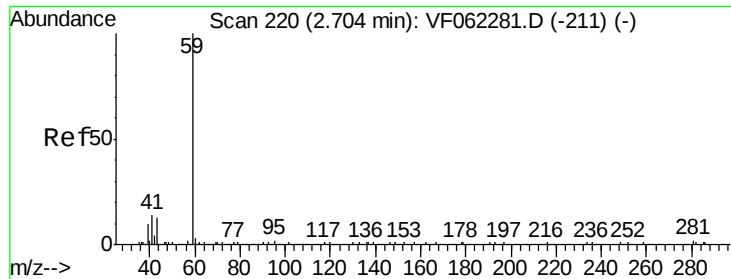
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	142	Resp:	162432
Ion Ratio	Lower	Upper	
142	100		
127	45.1	43.0	64.4
141	15.7	12.3	18.5





#11

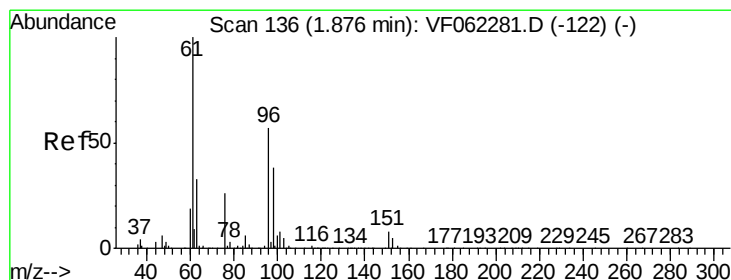
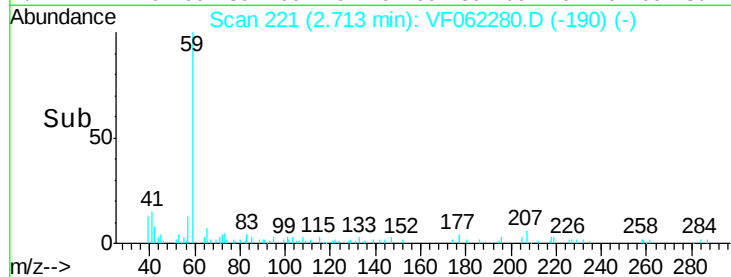
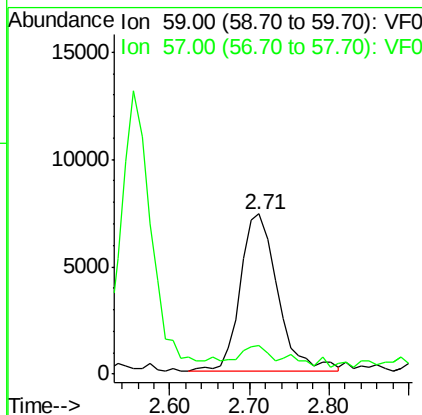
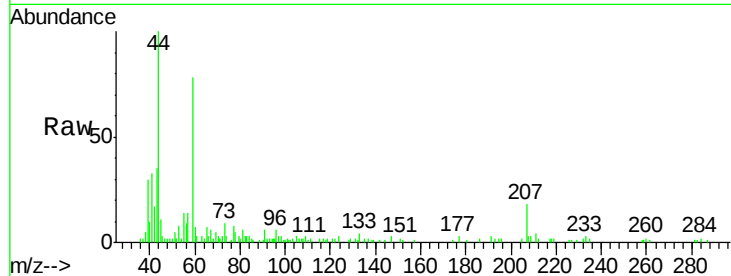
Tert butyl alcohol
Concen: 101.910 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
59	100	23835		
57	5.6	8.8	13.2	

Manual Integrations
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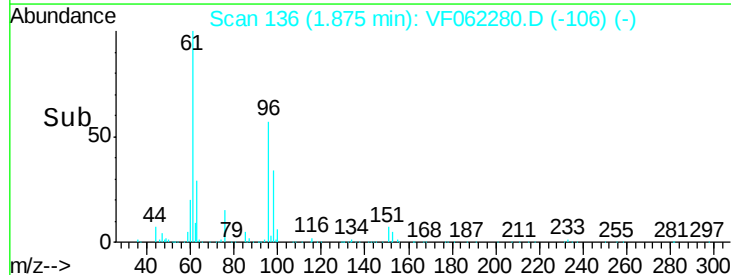
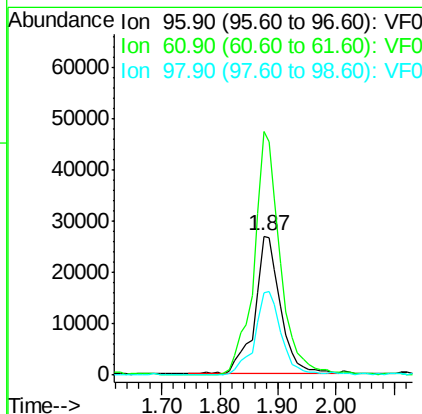
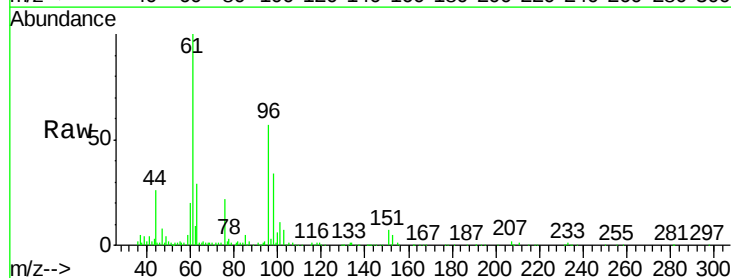
MMDadoda
4/26/2019 9:20:59 AM

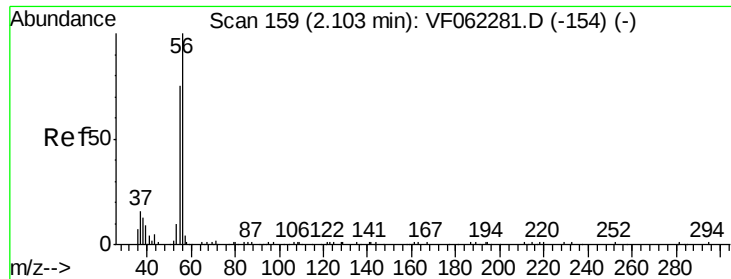


#12

1,1-Dichloroethene
Concen: 19.650 ug/l
RT: 1.87 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	83945		
61	176.5	141.1	211.7	
98	59.6	53.4	80.0	





#13

Acrolein

Concen: 52.932 ug/l m

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 8199

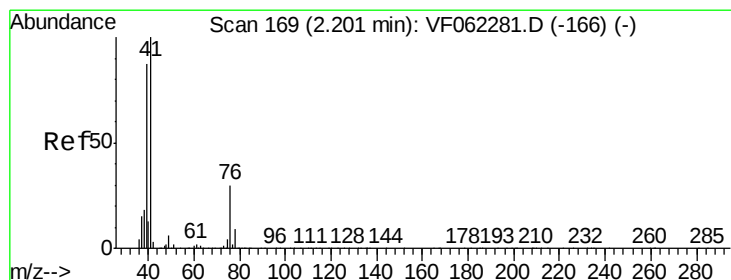
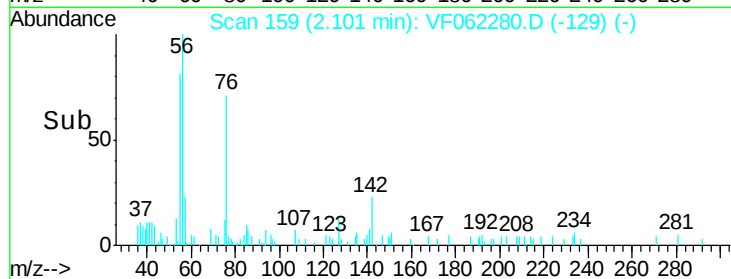
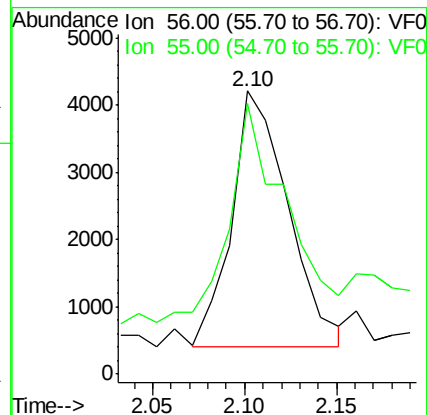
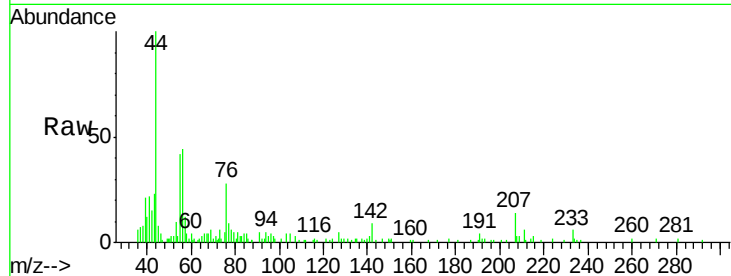
Ion Ratio Lower Upper

56 100

55 85.1 62.3 93.5

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:59 AM



#14

Allyl chloride

Concen: 14.288 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

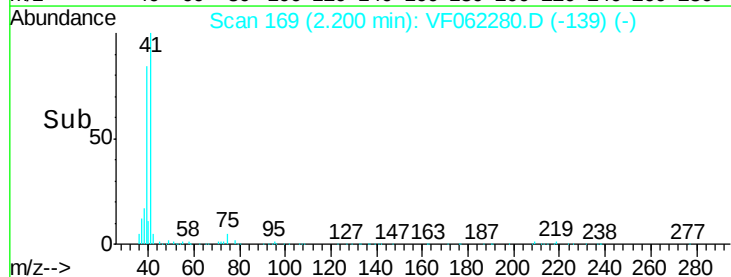
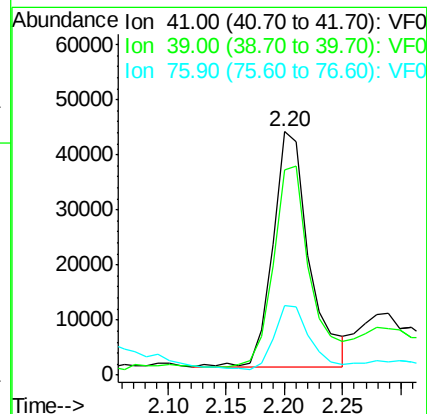
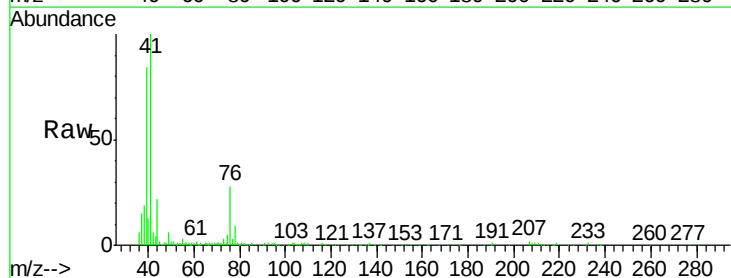
Tgt Ion: 41 Resp: 92027

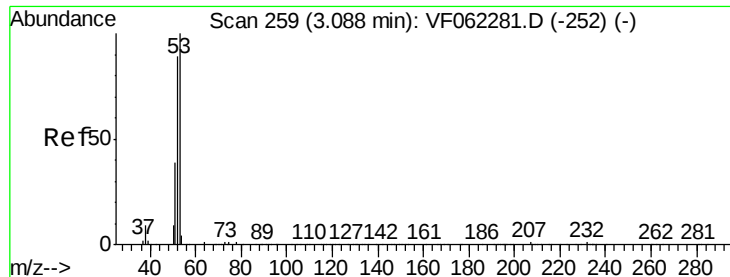
Ion Ratio Lower Upper

41 100

39 87.6 50.3 75.5#

76 26.3 14.8 22.2#





#15

Acrylonitrile

Concen: 102.290 ug/l

RT: 3.10 min Scan# 260

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

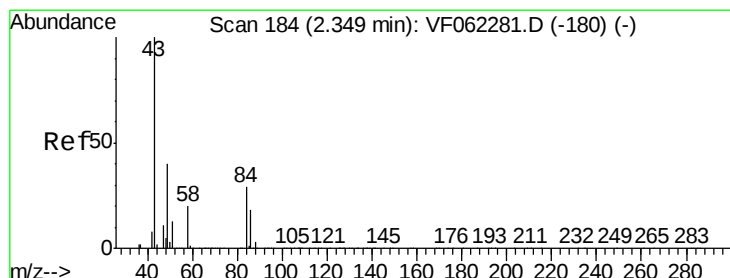
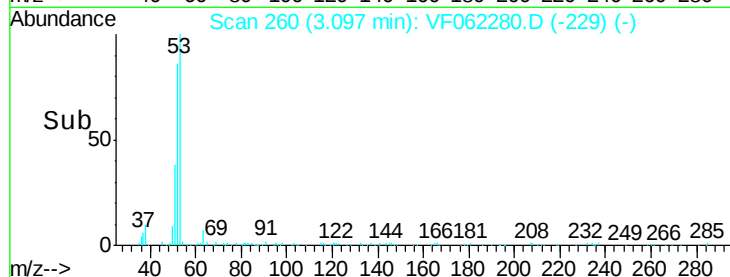
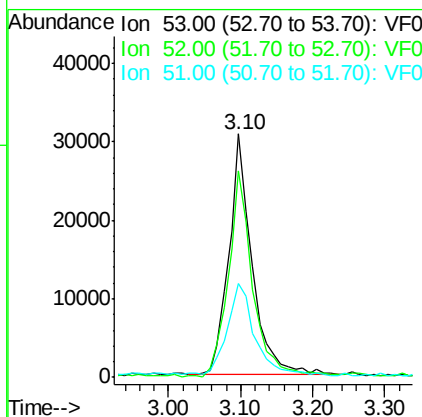
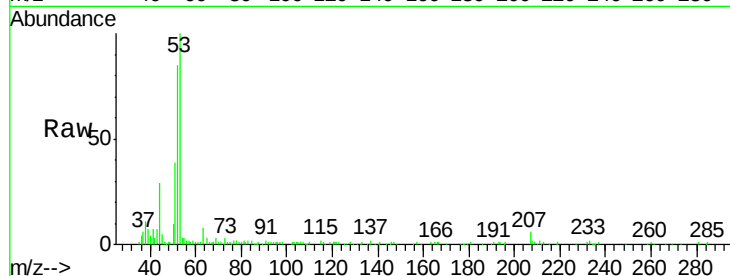
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	69192
Ion Ratio		Lower	Upper
53	100		
52	87.5	70.6	105.8
51	46.1	32.6	48.8

Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:59 AM



#16

Acetone

Concen: 91.623 ug/l

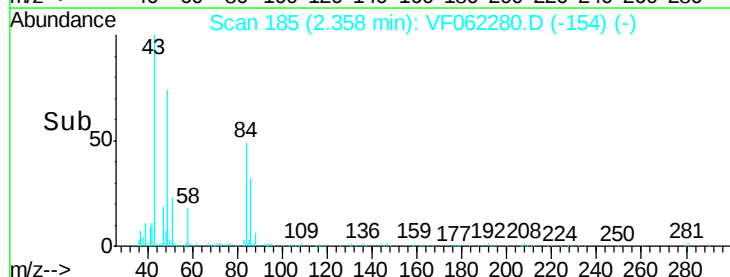
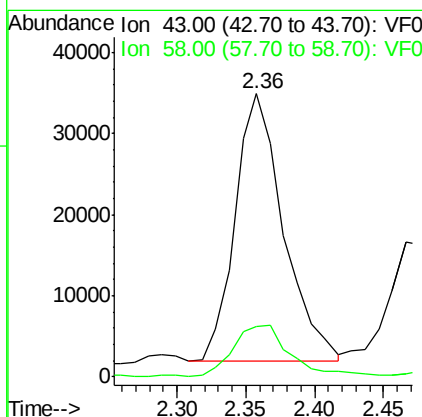
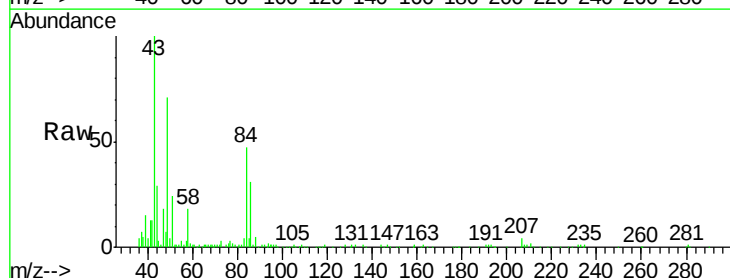
RT: 2.36 min Scan# 185

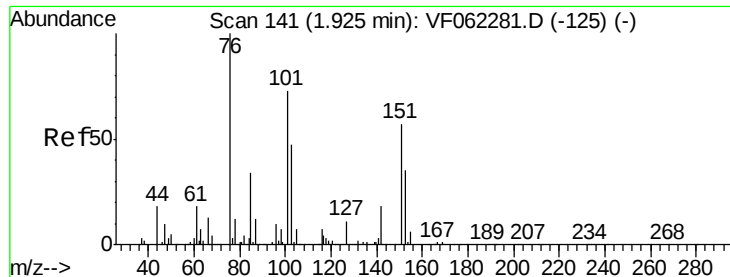
Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	43	Resp:	80411
Ion Ratio		Lower	Upper
43	100		
58	18.6	16.4	24.6





#17

Carbon Disulfide

Concen: 19.347 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 214309

Ion Ratio Lower Upper

76 100

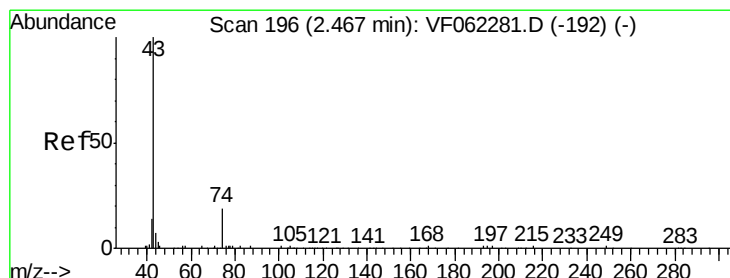
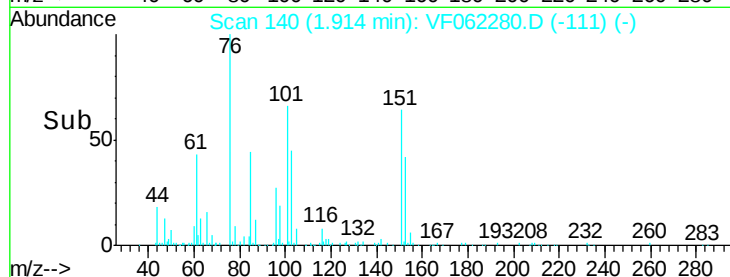
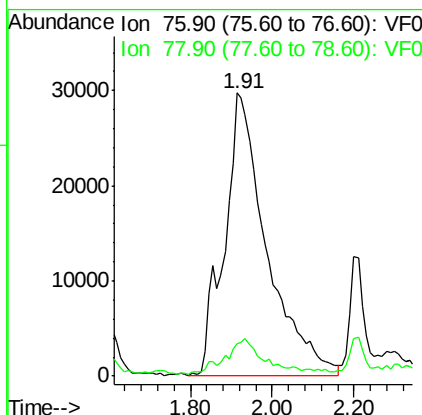
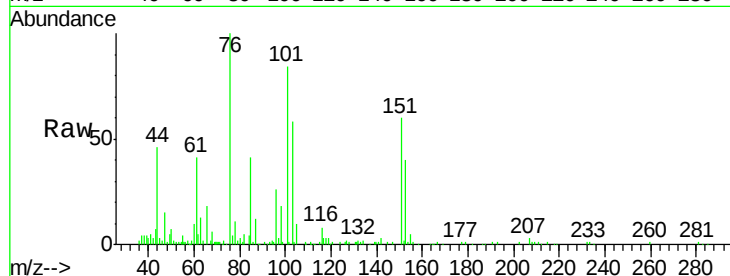
78 10.6 9.8 14.8

Manual Integrations

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MMDadoda

4/26/2019 9:20:59 AM



#18

Methyl Acetate

Concen: 18.059 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062280.D

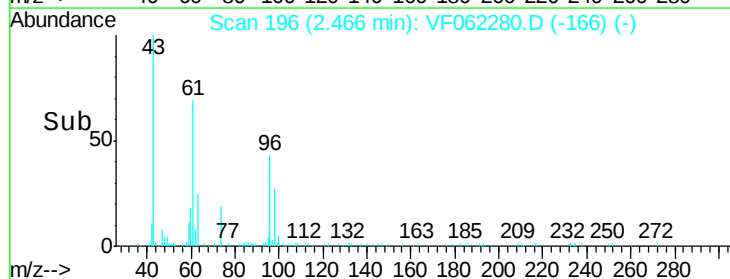
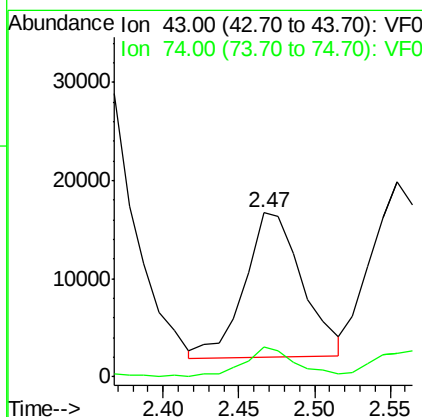
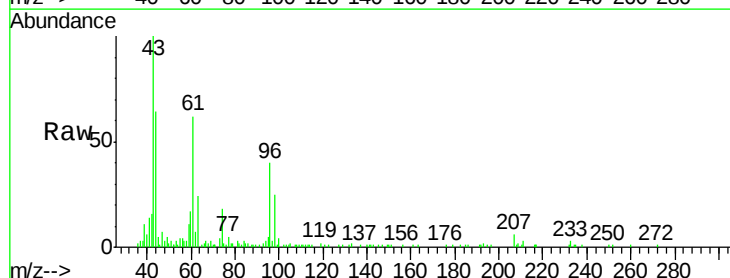
Acq: 24 Apr 2019 14:45

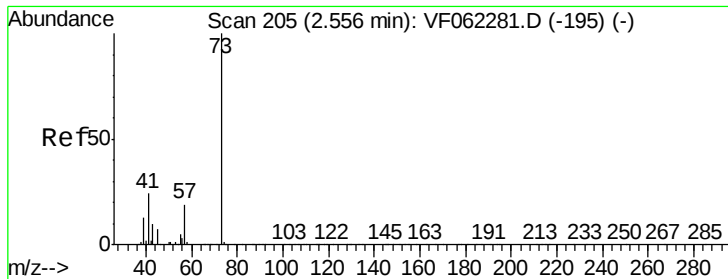
Tgt Ion: 43 Resp: 39297

Ion Ratio Lower Upper

43 100

74 18.7 14.4 21.6





#19

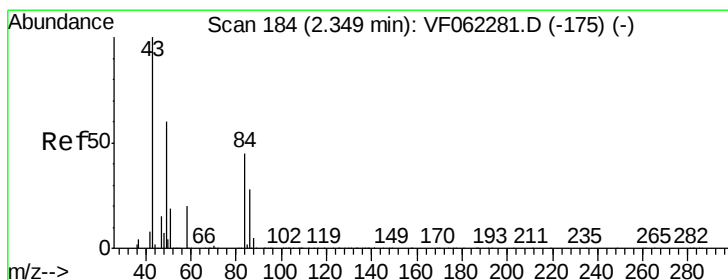
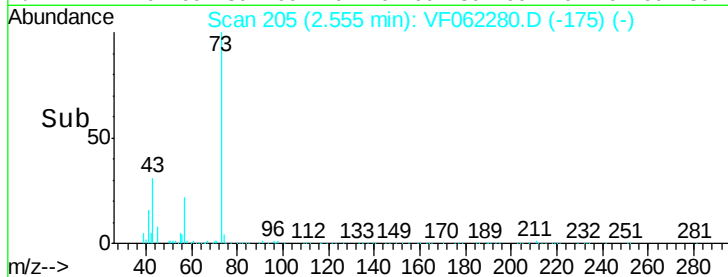
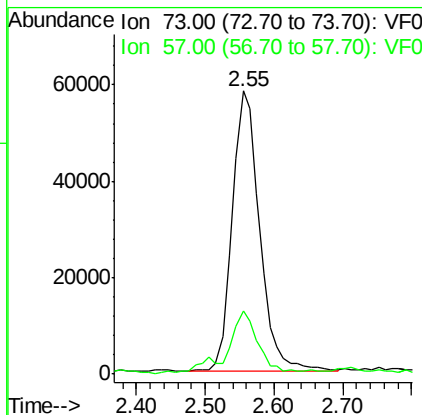
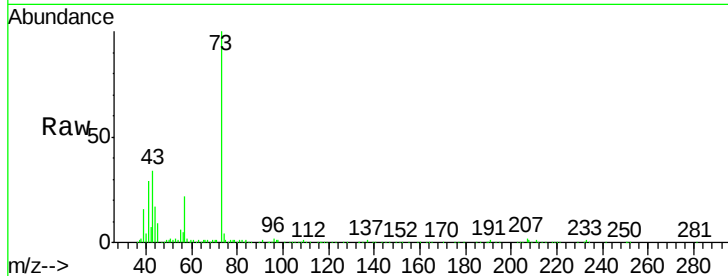
Methyl tert-butyl Ether
Concen: 20.387 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	73	Resp	160467
Ion	Ratio	Lower	Upper
73	100		
57	21.5	15.5	23.3

Manual Integrations
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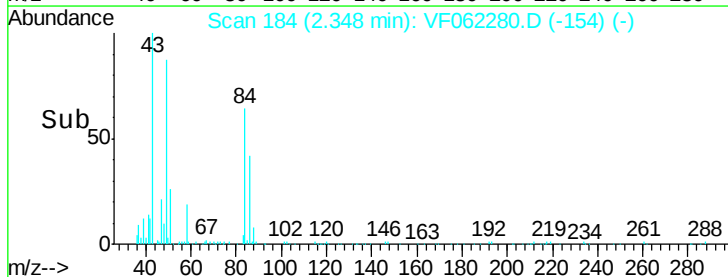
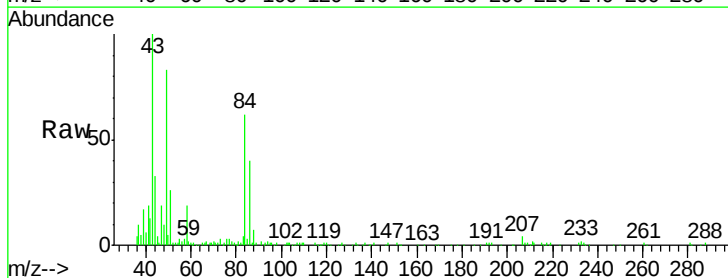
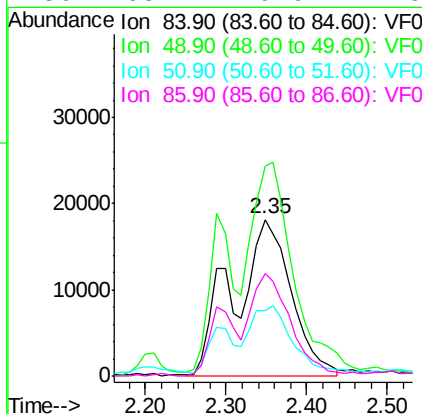
MMDadoda
4/26/2019 9:20:59 AM

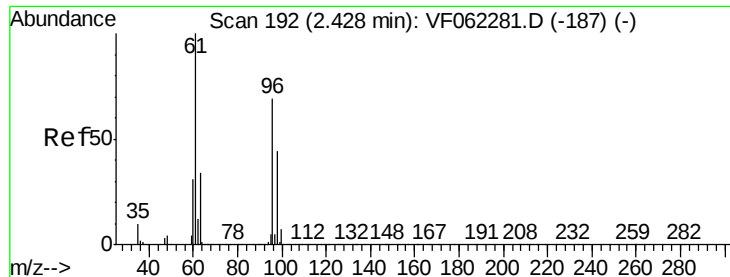


#20

Methylene Chloride
Concen: 16.233 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	84	Resp	90134
Ion	Ratio	Lower	Upper
84	100		
49	134.0	112.1	168.1
51	41.6	35.9	53.9
86	65.1	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.054 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062280.D

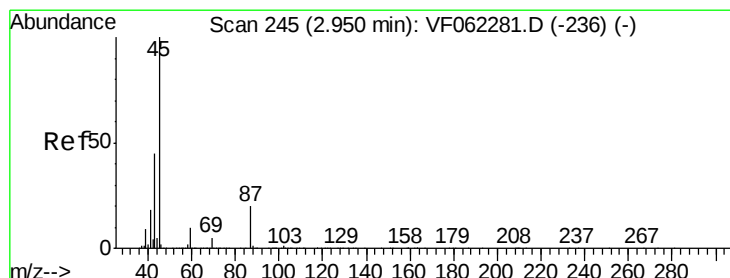
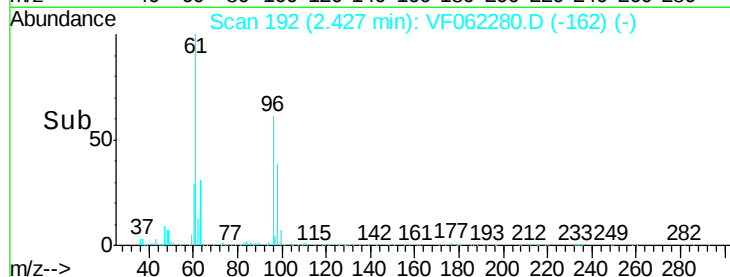
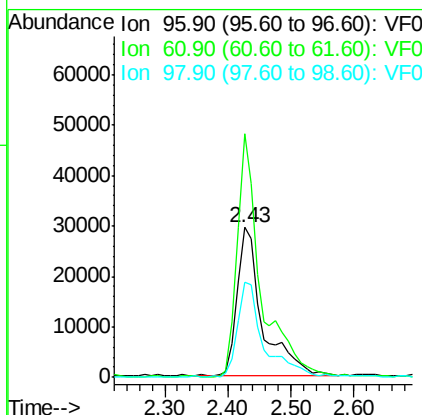
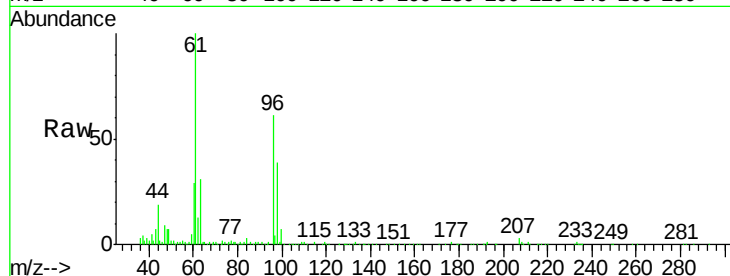
Acq: 24 Apr 2019 14:45

Tot Ion:	96	Resp:	82285
Ion	Ratio	Lower	Upper
96	100		
61	163.4	116.2	174.2
98	64.2	51.4	77.0

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Manual Integrations
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MMDadoda
4/26/2019 9:20:59 AM



#22

Diisopropyl ether

Concen: 19.722 ug/l

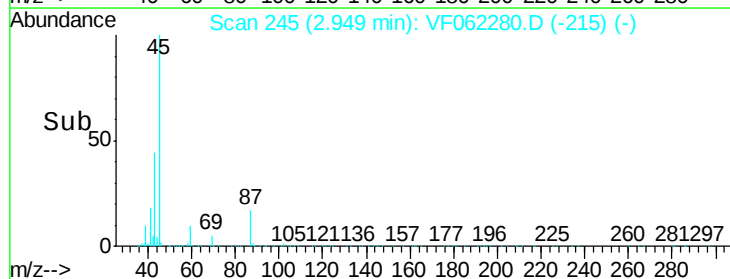
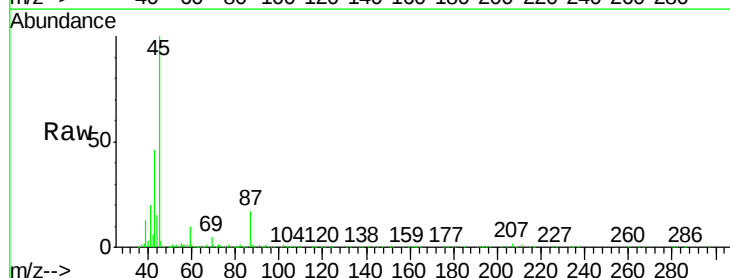
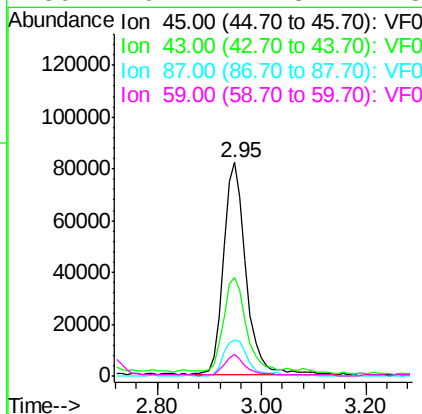
RT: 2.95 min Scan# 245

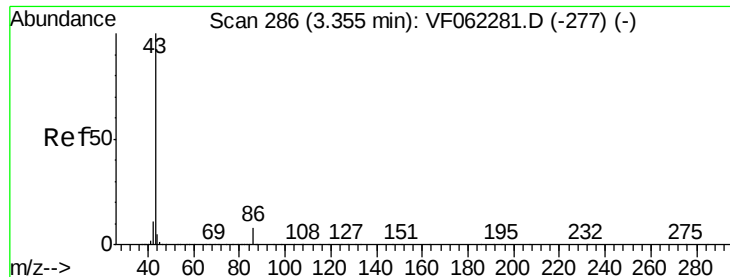
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	45	Resp:	241776
Ion	Ratio	Lower	Upper
45	100		
43	45.5	36.2	54.2
87	16.9	15.8	23.6
59	10.4	7.8	11.8





#23

Vinyl Acetate

Concen: 100.993 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 536386

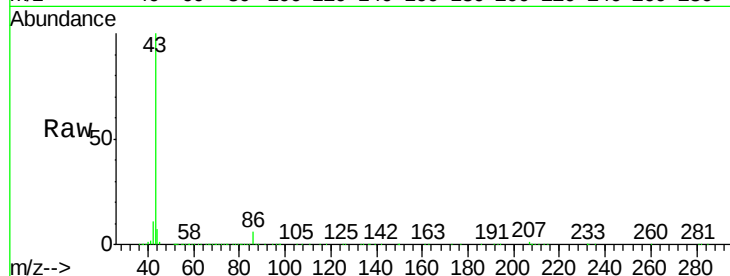
Ion Ratio Lower Upper

43 100

86 6.4 6.0 9.0

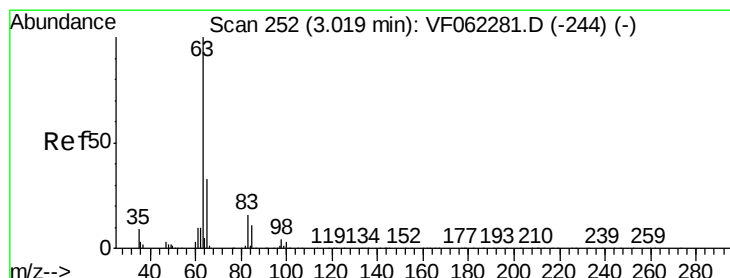
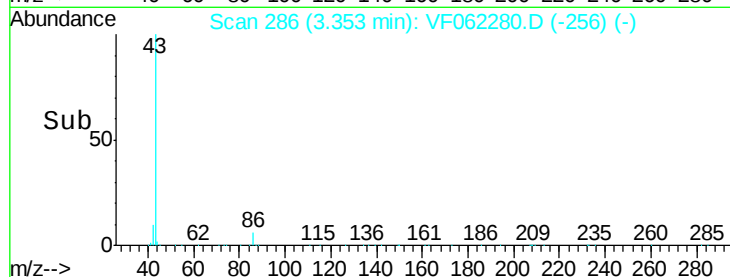
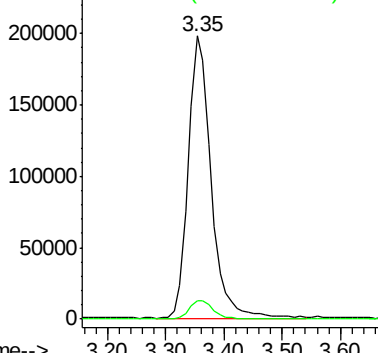
Manual Integrations
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4/26/2019 9:20:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 20.520 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

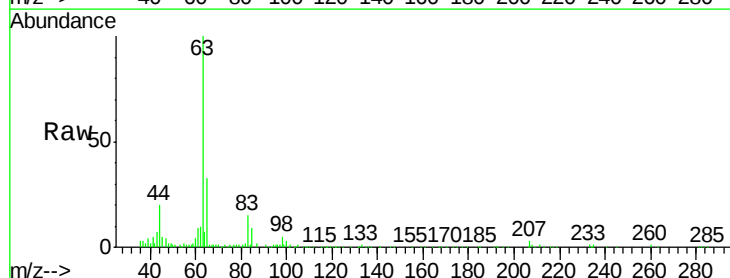
Tgt Ion: 63 Resp: 141118

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.2

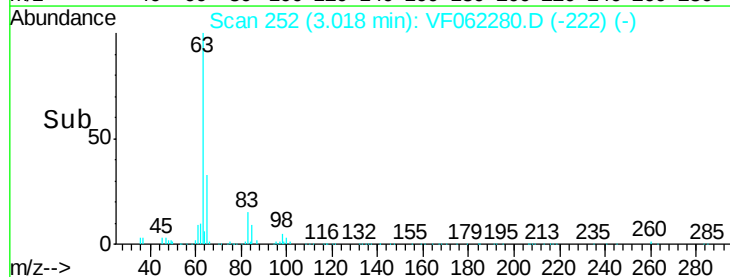
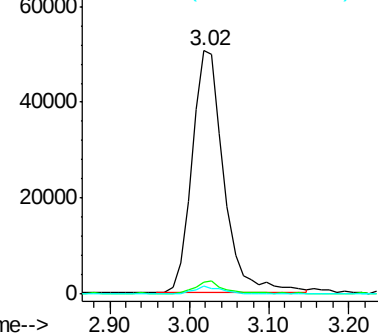
100 3.0 1.5 4.5

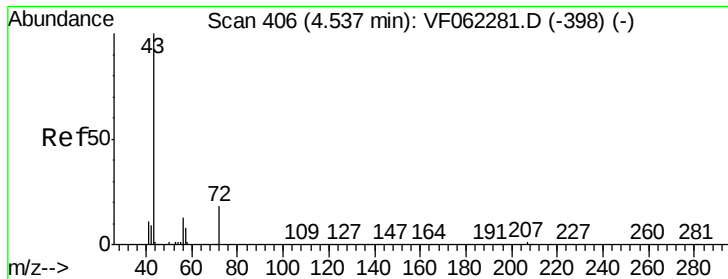


Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0





#25

2-Butanone

Concen: 98.726 ug/l

RT: 4.54 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 137324

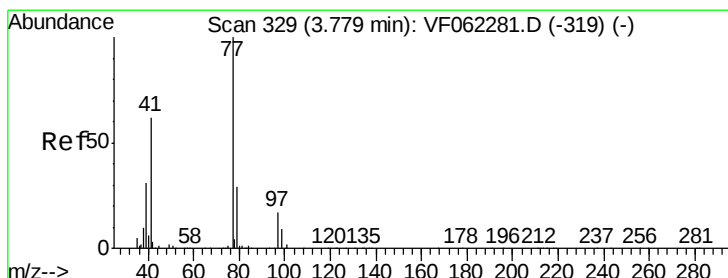
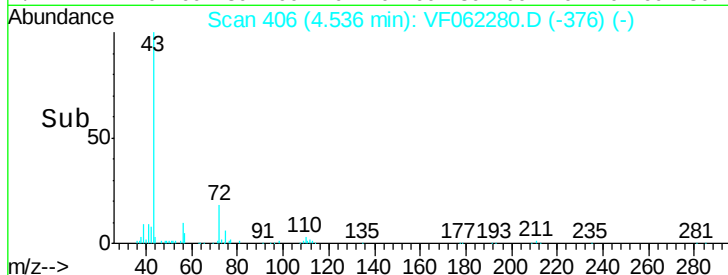
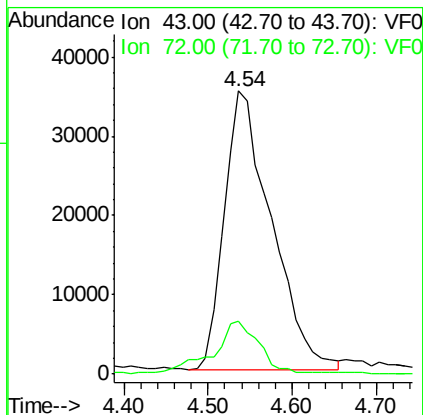
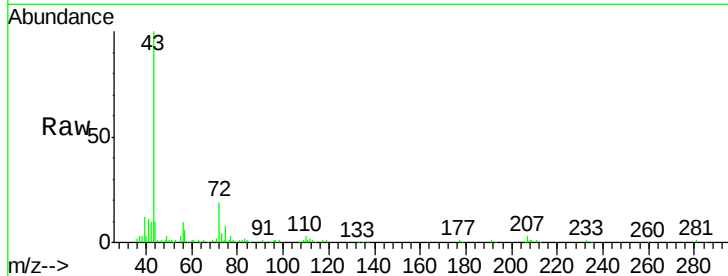
Ion Ratio Lower Upper

43 100

72 18.1 15.8 23.6

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4/26/2019 9:20:59 AM



#26

2,2-Dichloropropane

Concen: 20.038 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062280.D

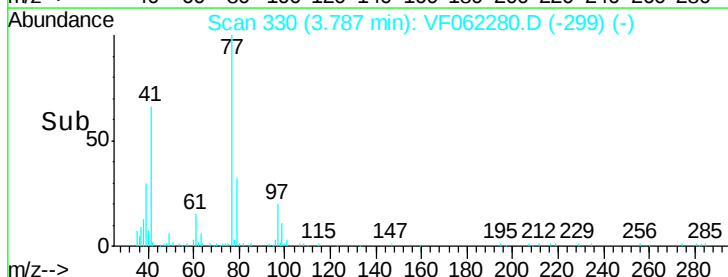
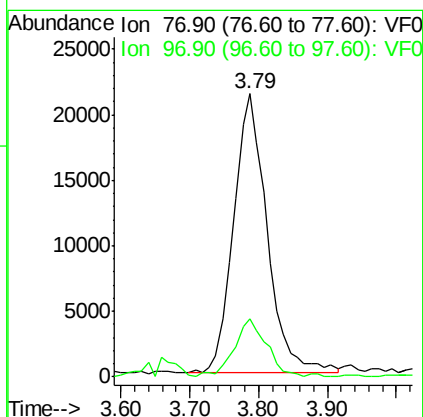
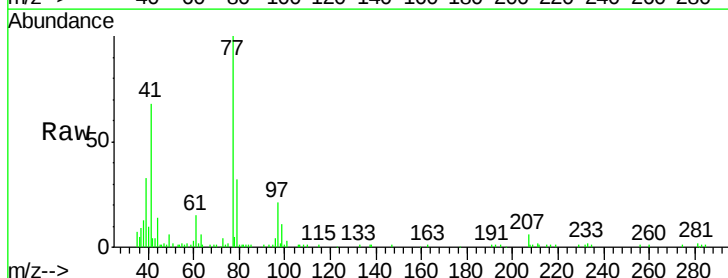
Acq: 24 Apr 2019 14:45

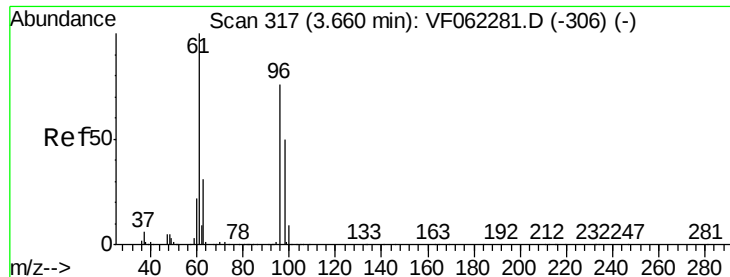
Tgt Ion: 77 Resp: 71972

Ion Ratio Lower Upper

77 100

97 20.2 10.3 30.8





#27

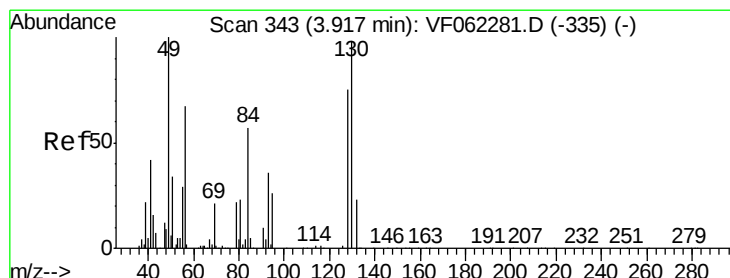
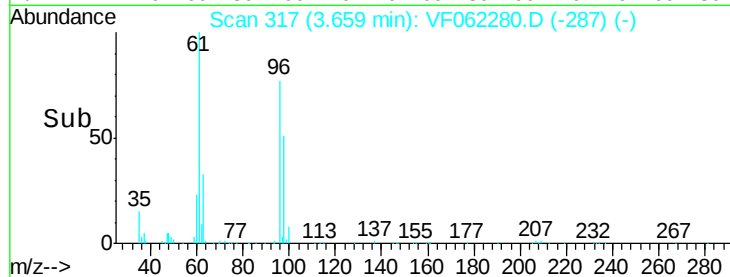
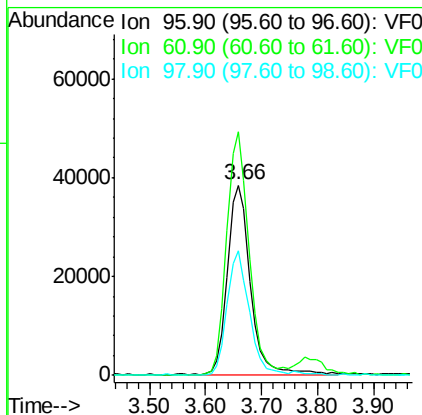
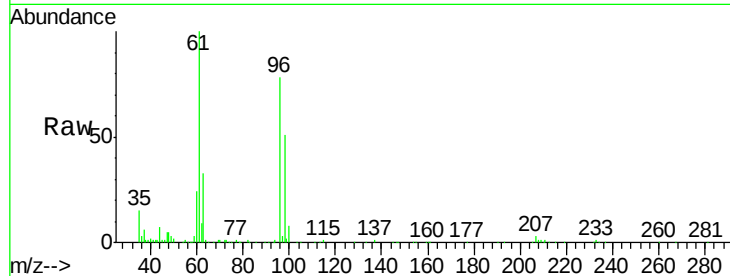
cis-1,2-Dichloroethene
 Concen: 20.829 ug/l
 RT: 3.66 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	109326		
61	124.3		0.0	257.6
98	63.2		0.0	137.4

Manual Integrations
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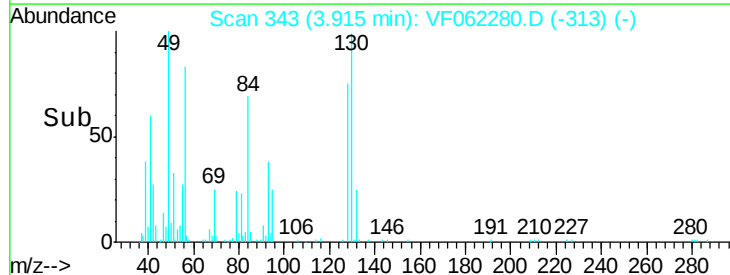
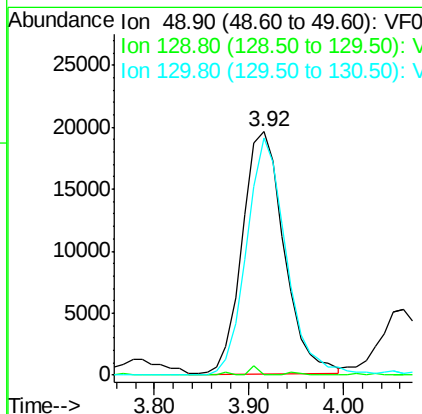
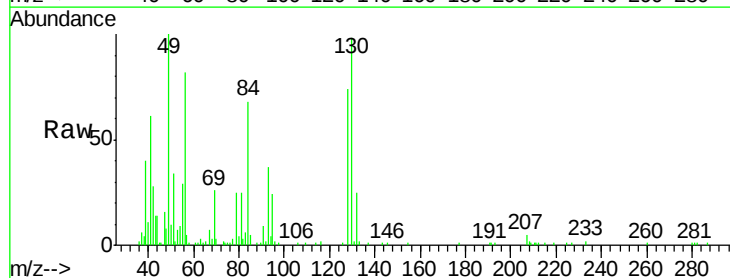
MMDadoda
 4/26/2019 9:20:59 AM

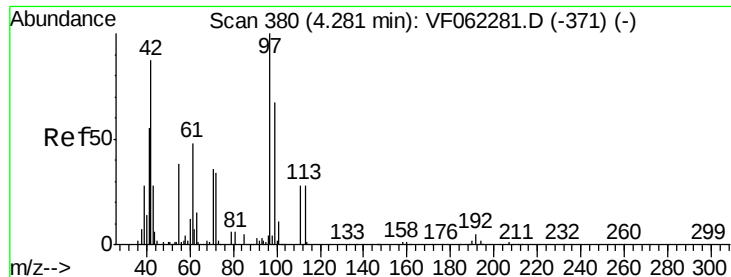


#28

Bromochloromethane
 Concen: 20.035 ug/l
 RT: 3.92 min Scan# 343
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	60256		
129	1.0		0.0	0.0#
130	92.9		77.0	115.4





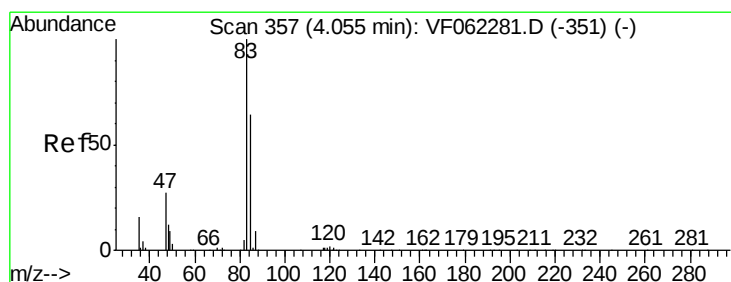
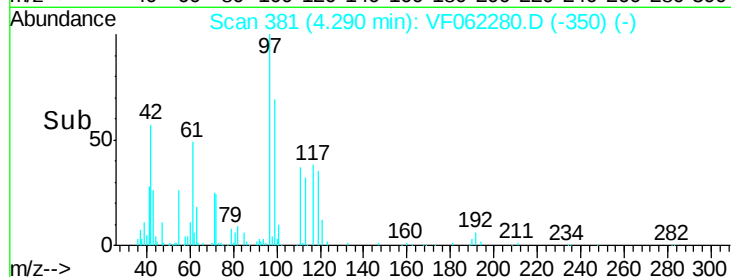
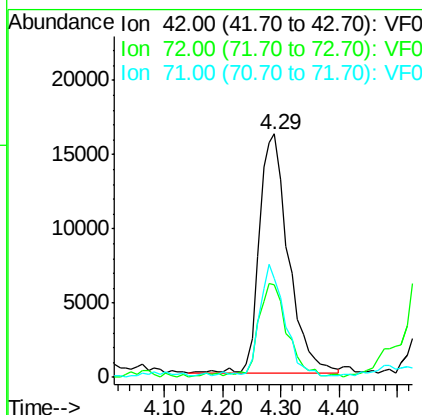
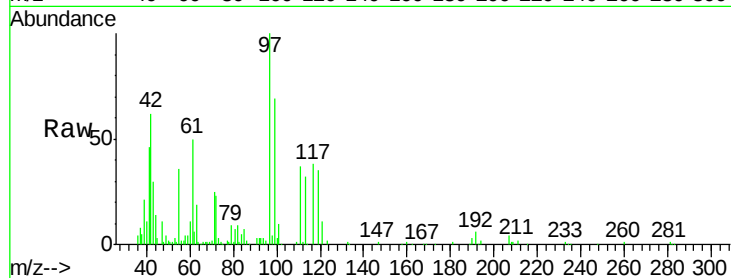
#29
Tetrahydrofuran
Concen: 93.230 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.3	29.3	43.9
71	39.4	31.2	46.8

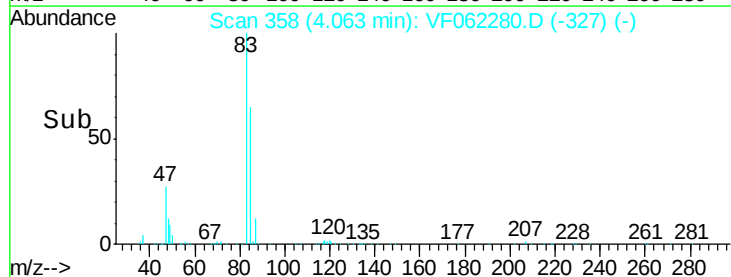
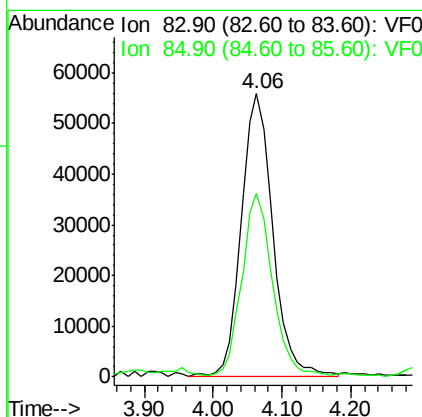
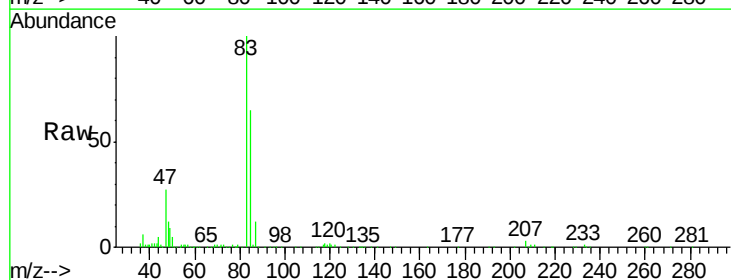
Manual Integrations
APPROVED

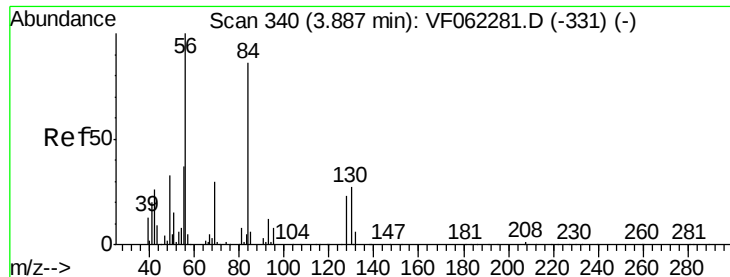
MMDadoda
4/26/2019 9:20:59 AM



#30
Chloroform
Concen: 20.814 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7





#31

Cvclohexane

Concen: 20.416 ug/l

RT: 3.89 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

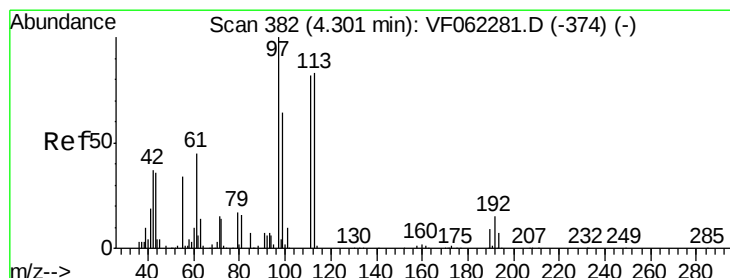
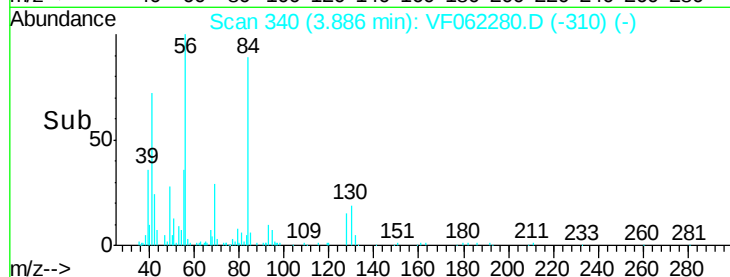
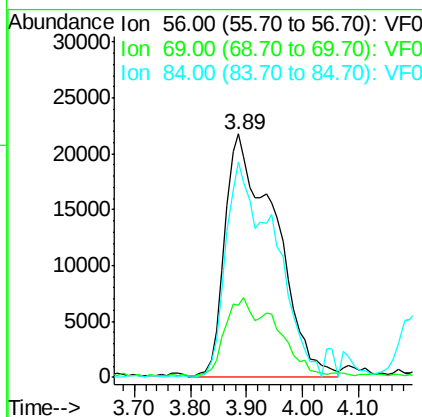
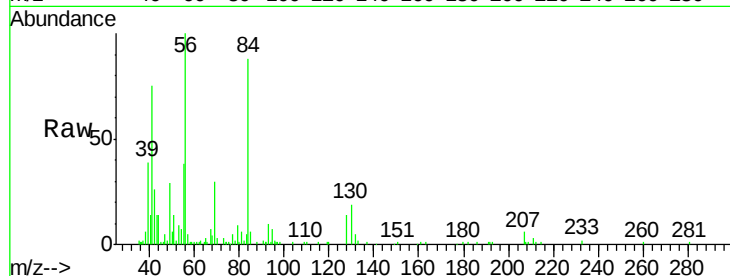
ClientSampleId :

VSTDIC020

Tot Ion:	56	Resp:	135814
Ion	Ratio	Lower	Upper
56	100		
69	29.0	24.3	36.5
84	88.4	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.329 ug/l

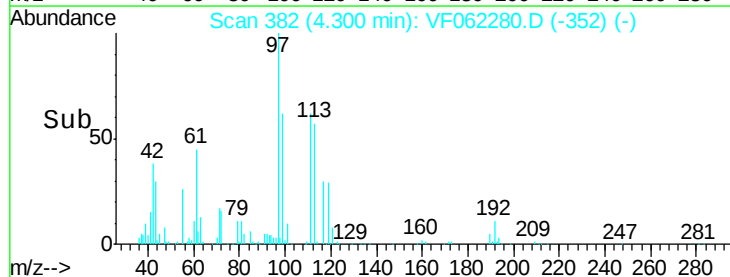
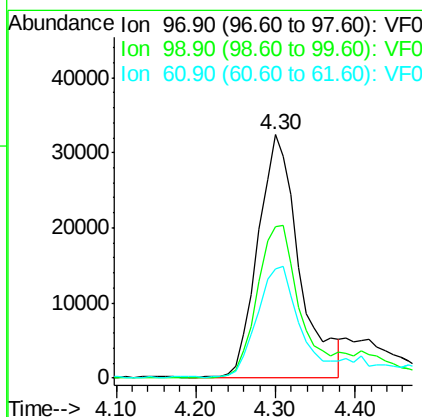
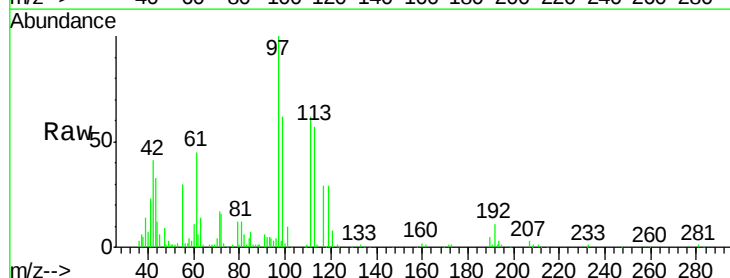
RT: 4.30 min Scan# 382

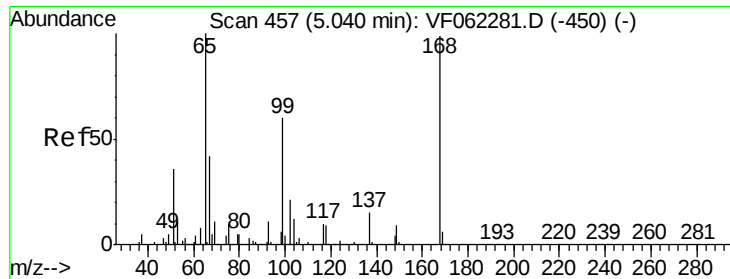
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	97	Resp:	117086
Ion	Ratio	Lower	Upper
97	100		
99	63.4	41.6	62.4#
61	48.2	31.6	47.4#





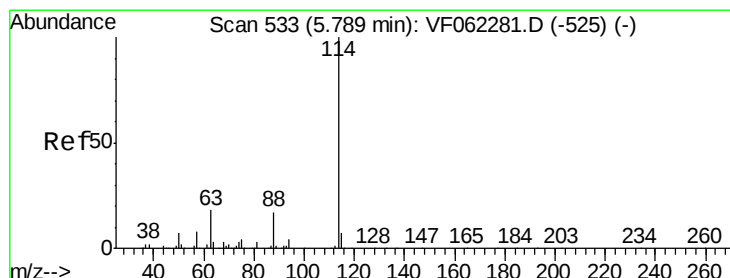
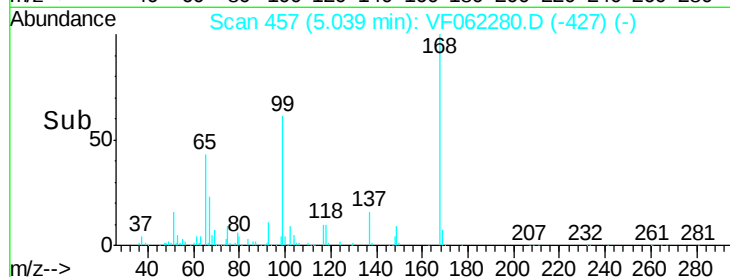
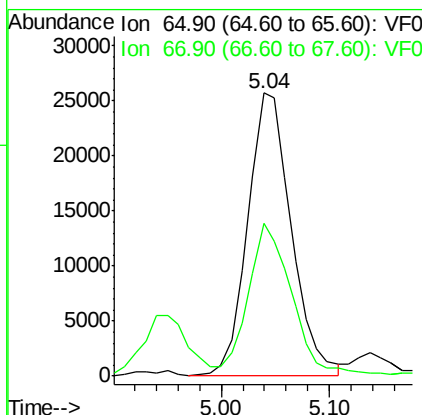
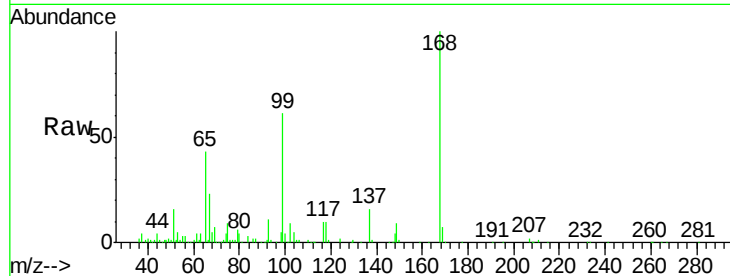
#33
 1,2-Dichloroethane-d4
 Concen: 18.374 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleID :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
65	100	72175		
67	52.0	0.0	98.8	

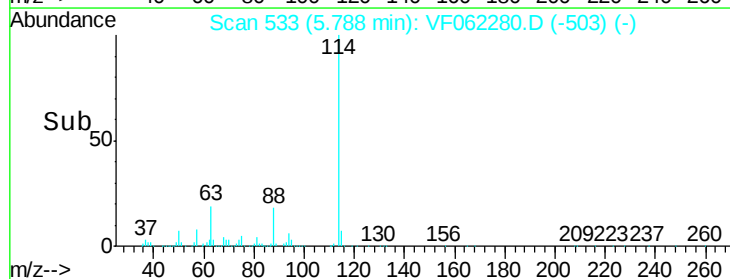
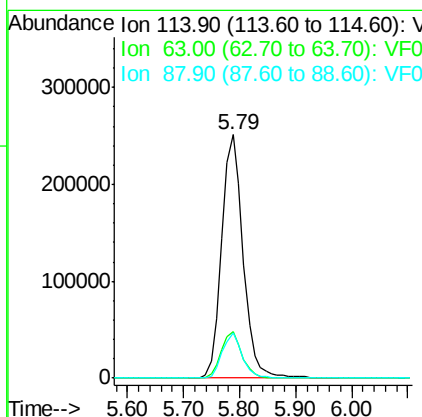
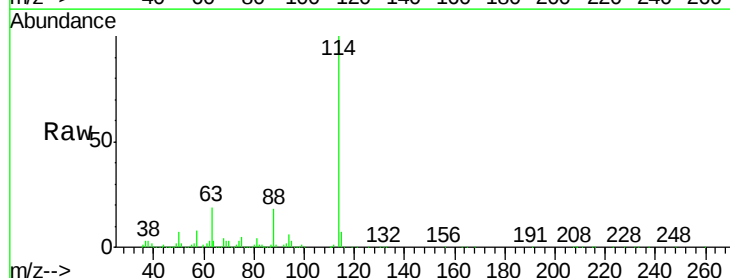
Manual Integrations
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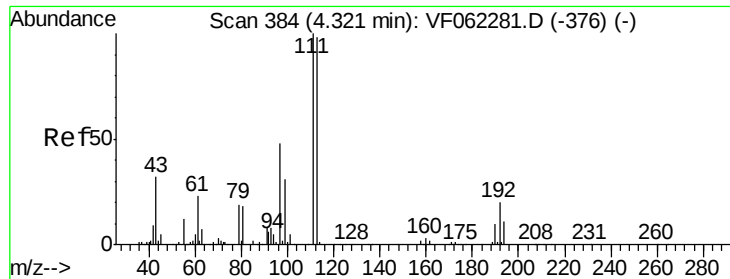
MMDadoda
 4/26/2019 9:20:59 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	671608		
63	18.8	0.0	35.6	
88	18.3	0.0	34.6	





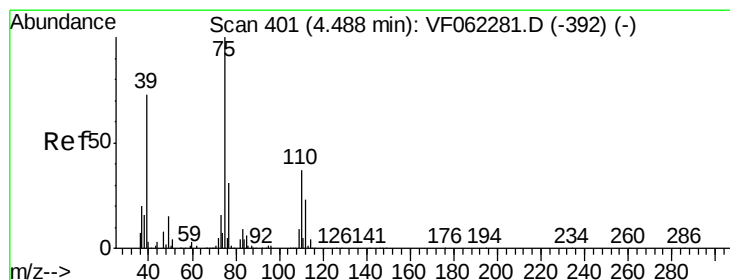
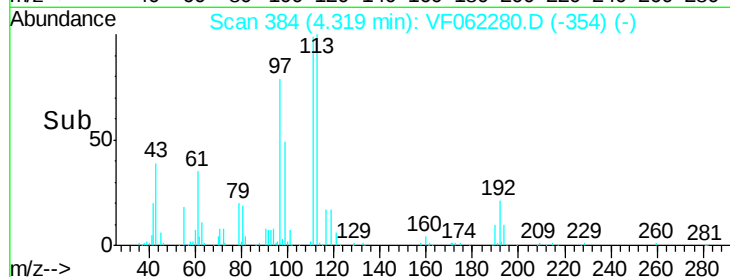
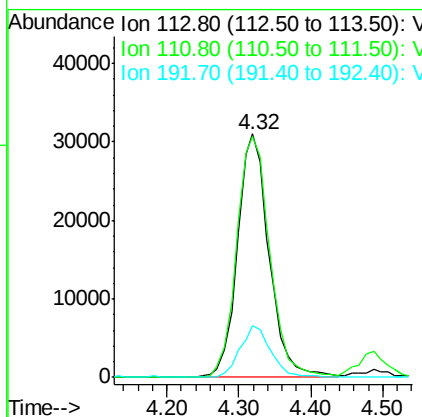
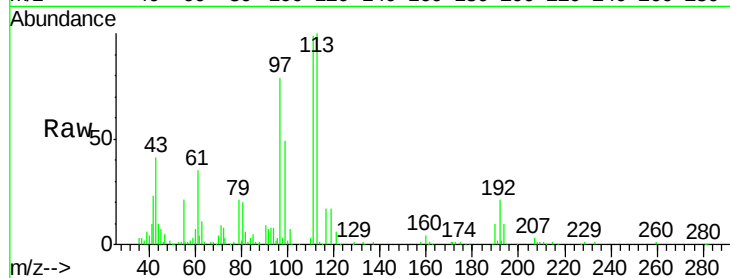
#35
 Dibromofluoromethane
 Concen: 18.557 ug/l
 RT: 4.32 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	20.9	17.0	25.4

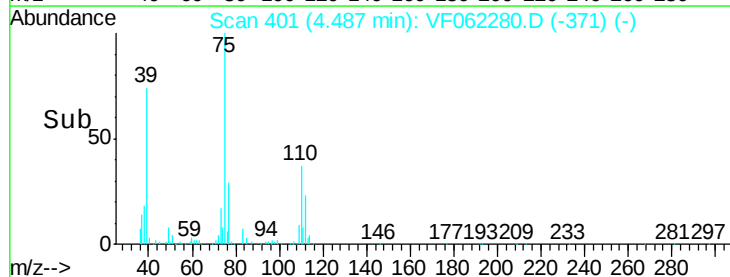
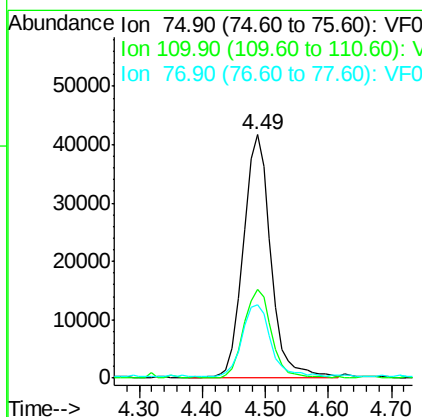
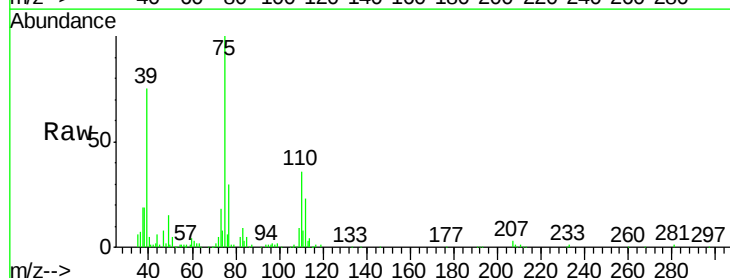
Manual Integrations
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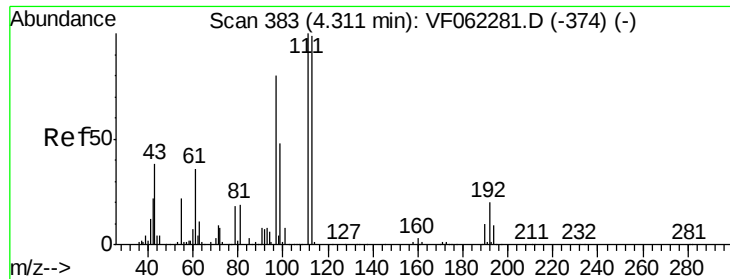
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#36
 1,1-Dichloropropene
 Concen: 19.887 ug/l
 RT: 4.49 min Scan# 401
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.4	17.9	53.8
77	31.2	24.6	36.8





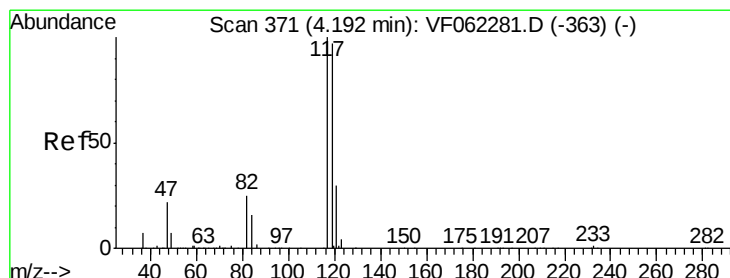
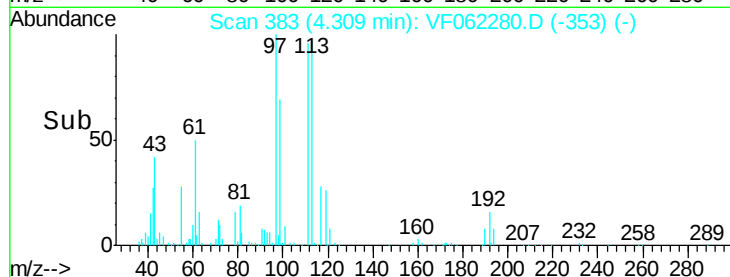
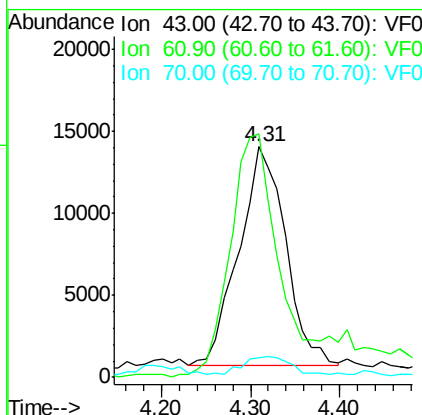
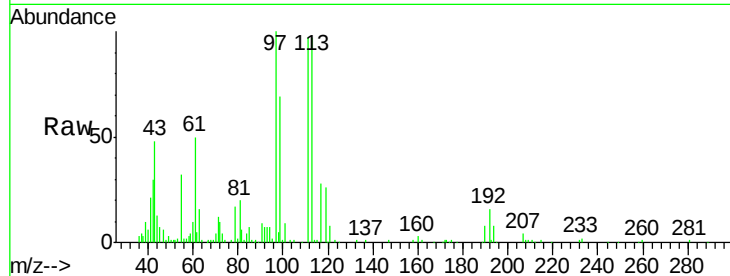
#37
Ethyl Acetate
Concen: 18.479 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	116.6	85.8	128.6	
70	10.7	7.3	10.9	

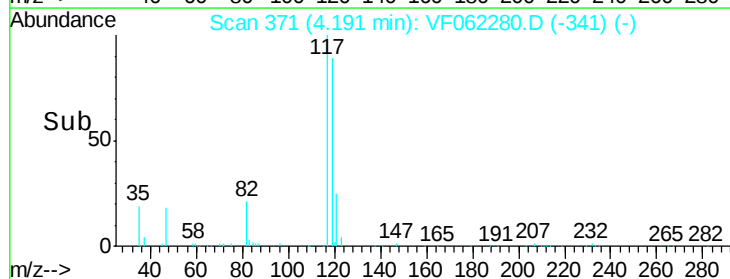
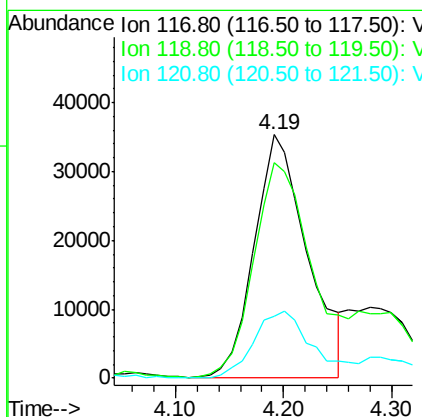
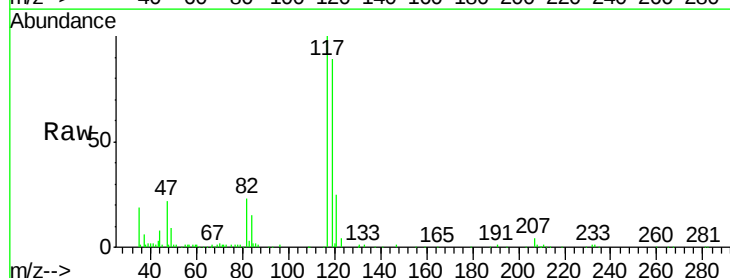
Manual Integrations
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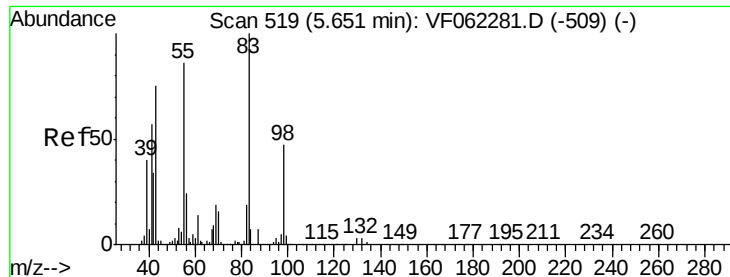
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.533 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	88.7	77.3	115.9	
121	25.4	24.3	36.5	





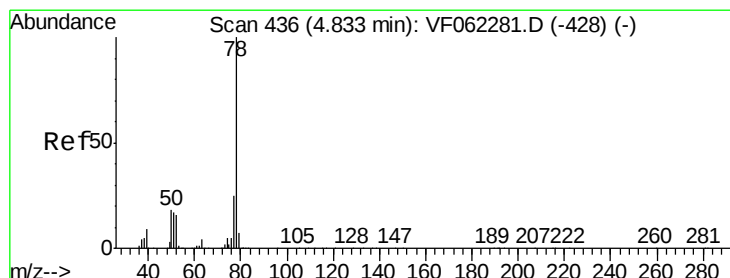
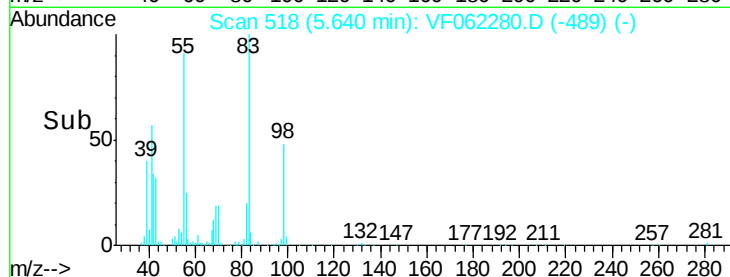
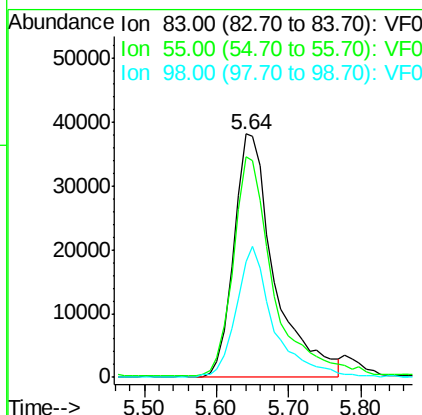
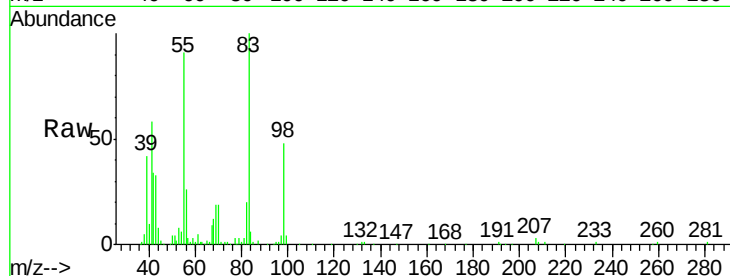
#39
Methvlcvclohexane
Concen: 19.943 ug/l
RT: 5.64 min Scan# 518
Delta R.T. -0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	89.8	68.7	103.1
98	47.6	37.4	56.2

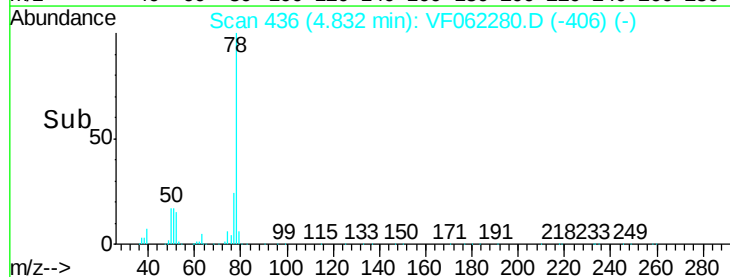
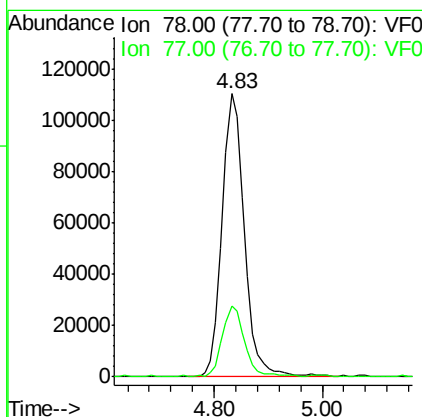
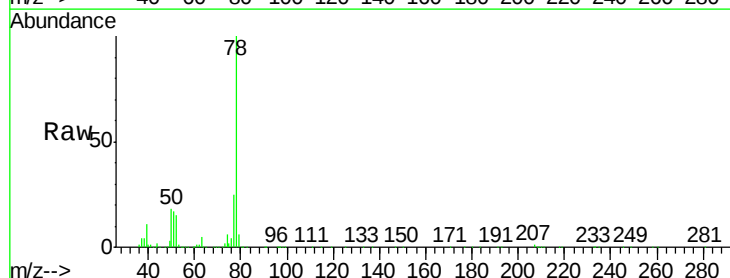
Manual Integrations
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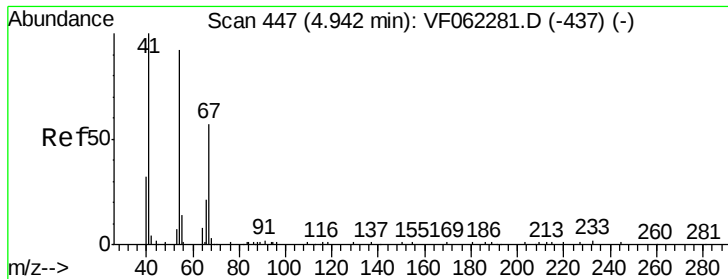
MMDadoda
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#40
Benzene
Concen: 20.478 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.7	29.5





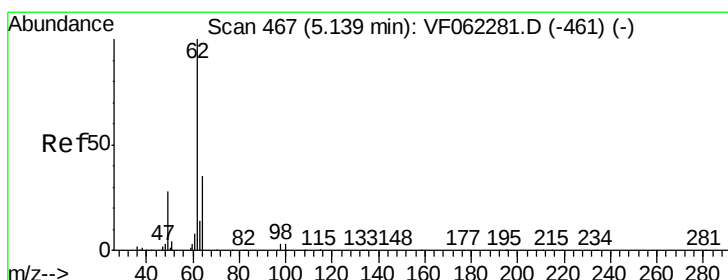
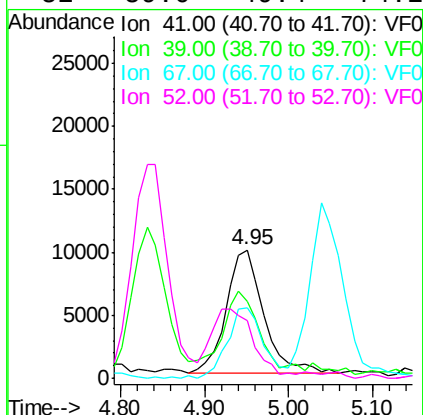
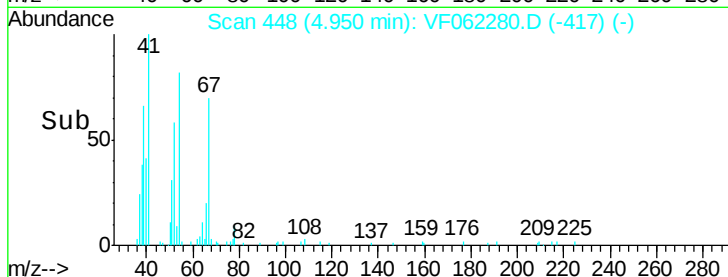
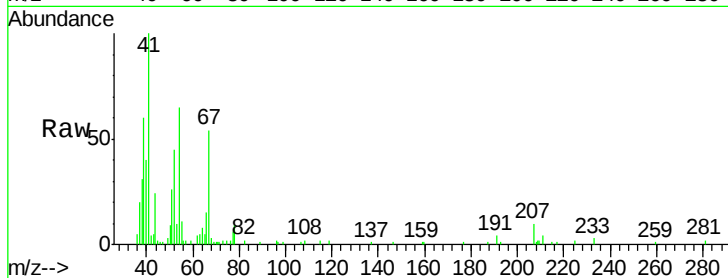
#41
Methacrylonitrile
Concen: 20.591 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	41	Resp:	30123
Ion	Ratio	Lower	Upper
41	100		
39	53.0	47.3	70.9
67	56.0	41.3	61.9
52	59.0	49.4	74.2

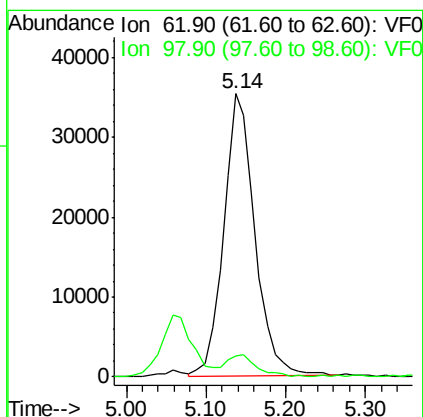
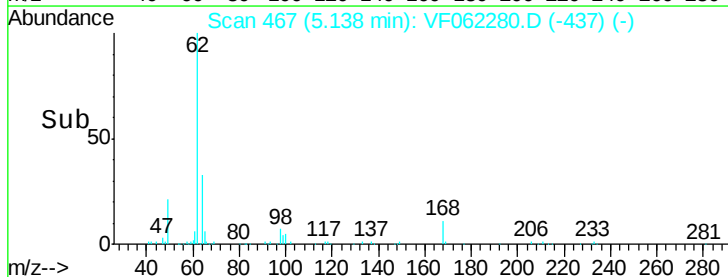
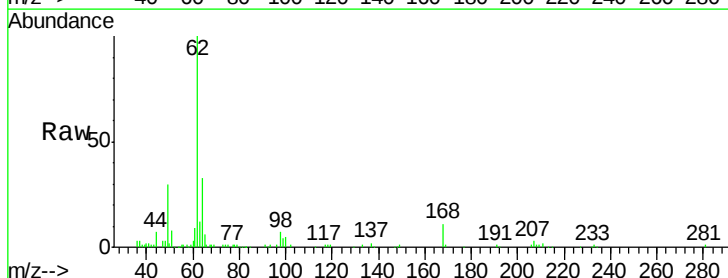
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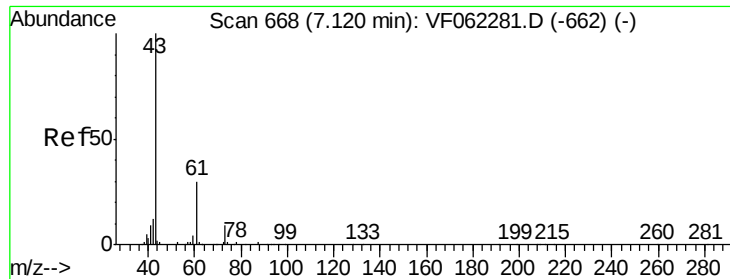
MMDadoda
4/26/2019 9:20:59 AM



#42
1,2-Dichloroethane
Concen: 20.216 ug/l
RT: 5.14 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion:	62	Resp:	95518
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	16.8





#43

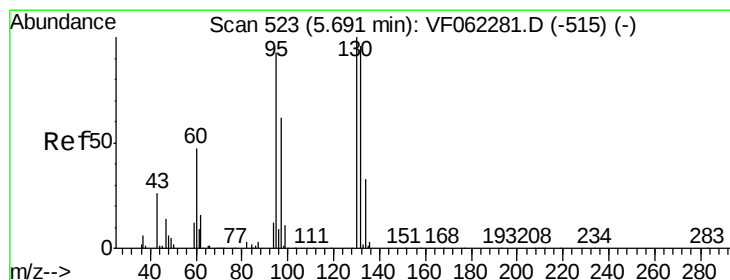
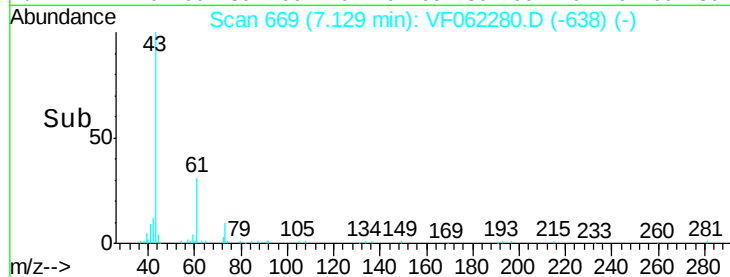
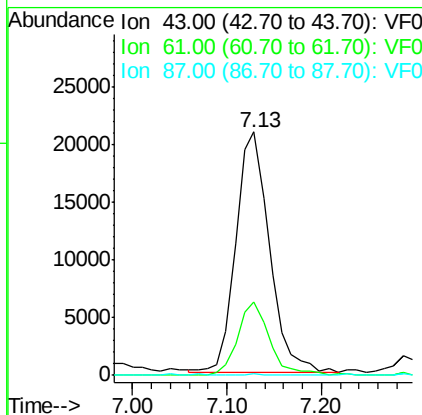
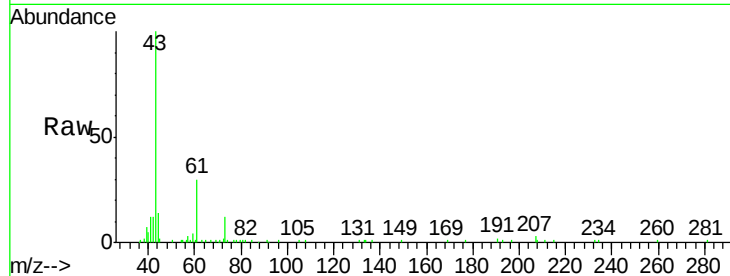
Isopropyl Acetate
 Concen: 18.377 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.01 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.2	23.8	35.6
87	0.1	0.5	0.7#

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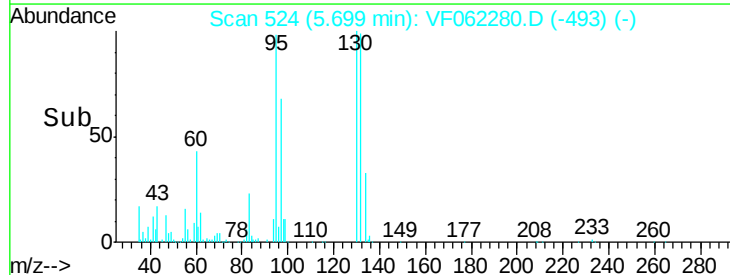
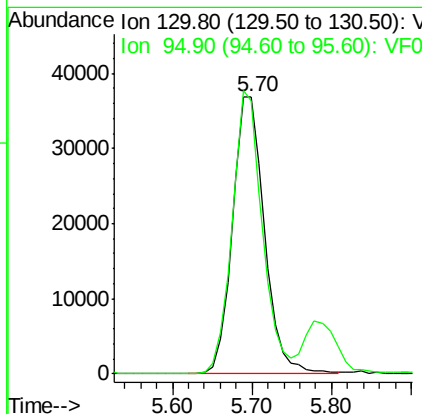
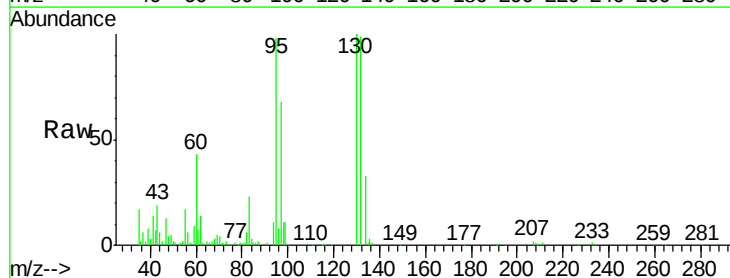
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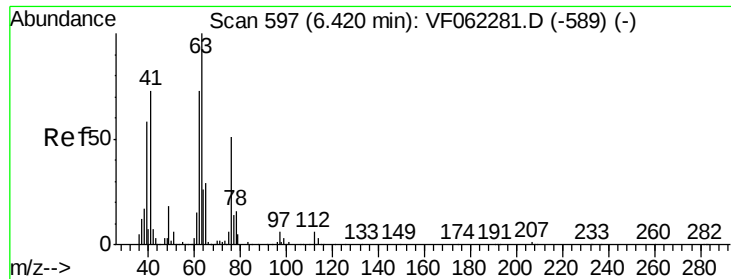


#44

Trichloroethene
 Concen: 19.754 ug/l
 RT: 5.70 min Scan# 524
 Delta R.T. 0.01 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	186.4





#45

1,2-Dichloropropane

Concen: 19.053 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 64573

Ion Ratio Lower Upper

63 100

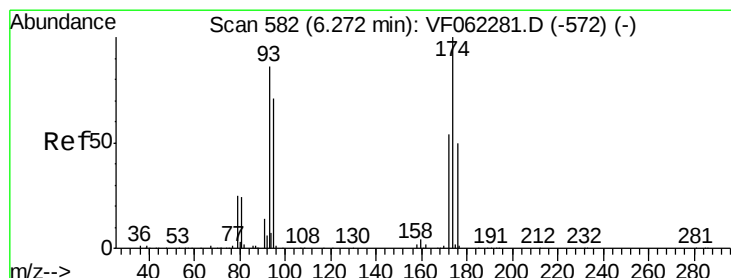
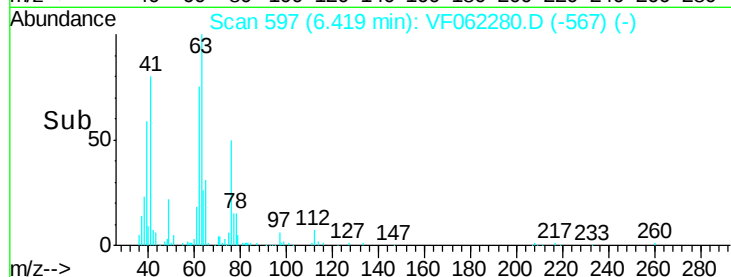
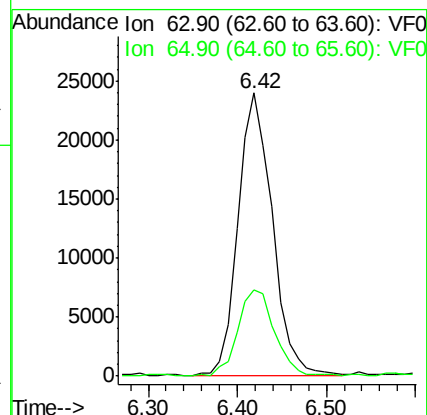
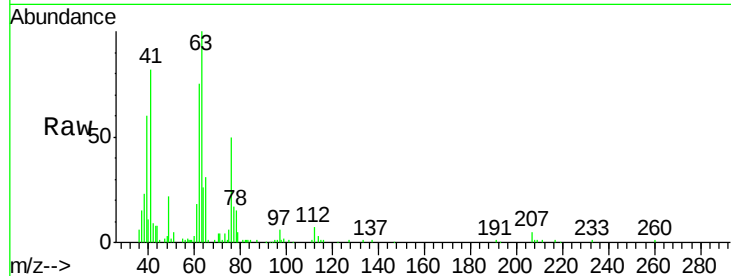
65 30.6 23.5 35.3

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#46

Dibromomethane

Concen: 20.679 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

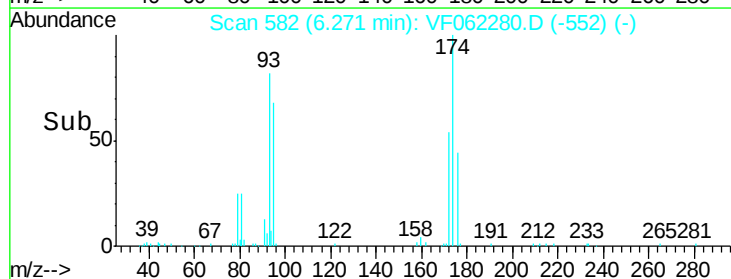
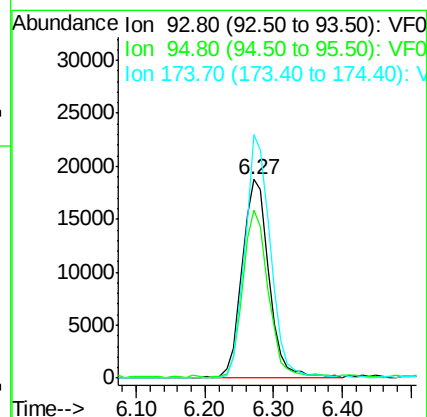
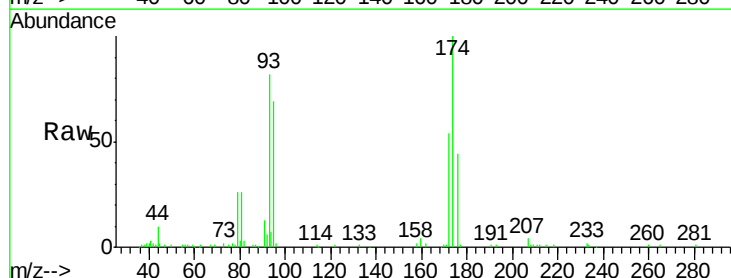
Tgt Ion: 93 Resp: 50768

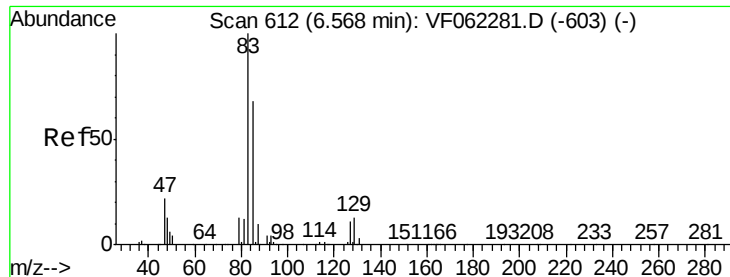
Ion Ratio Lower Upper

93 100

95 80.5 66.2 99.4

174 116.8 94.9 142.3





#47

Bromodichloromethane

Concen: 19.857 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

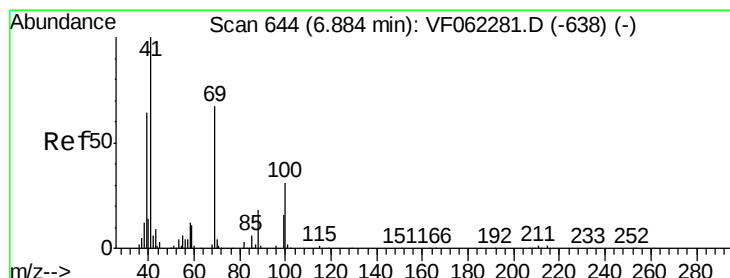
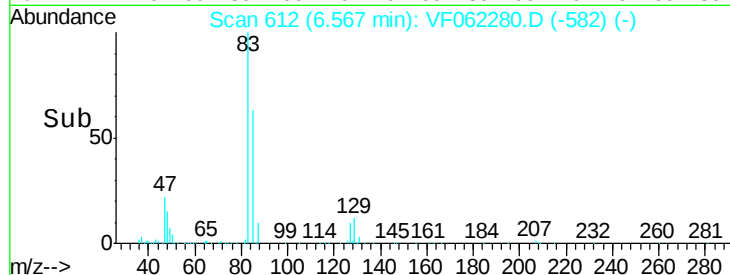
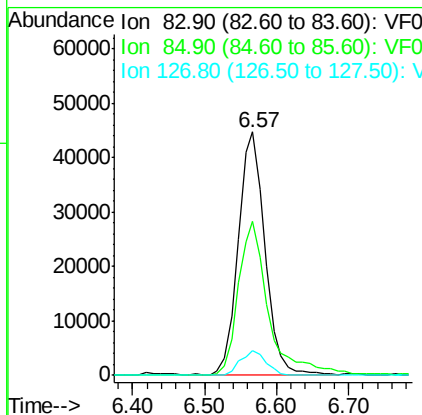
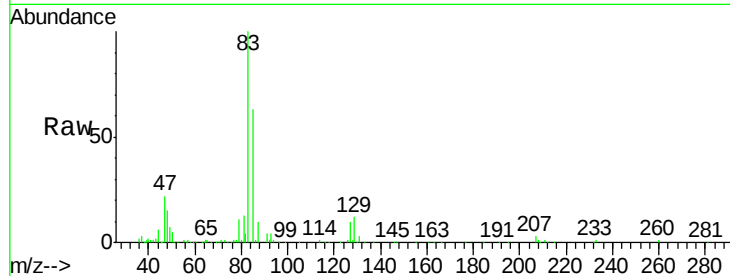
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	114766
Ion	Ratio	Lower	Upper
83	100		
85	63.0	54.6	81.8
127	10.1	8.7	13.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.909 ug/l

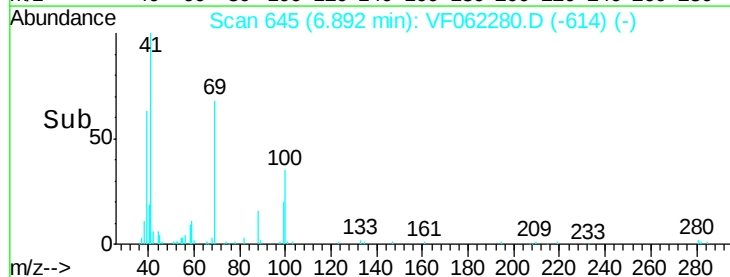
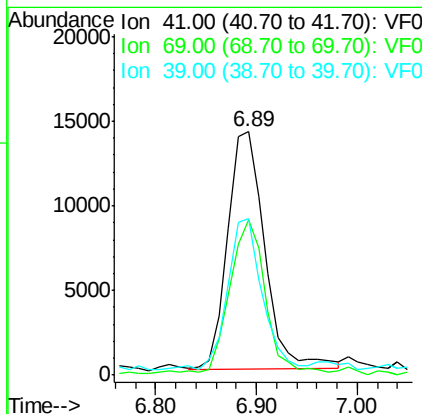
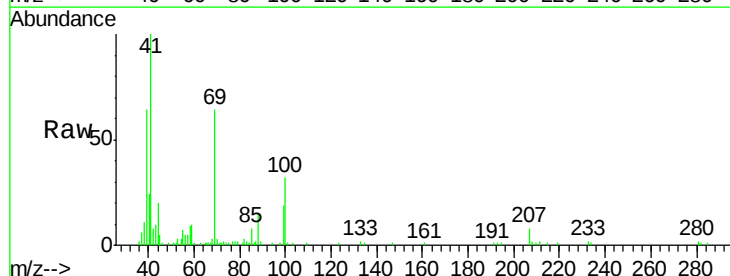
RT: 6.89 min Scan# 645

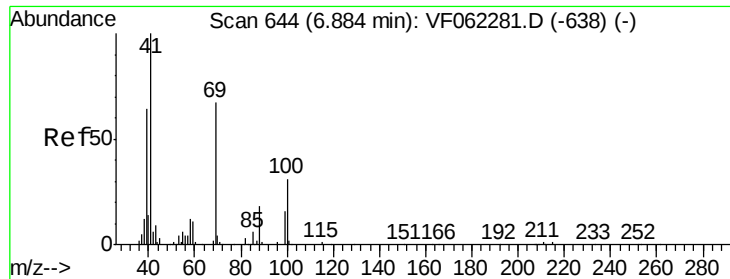
Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	41	Resp:	35842
Ion	Ratio	Lower	Upper
41	100		
69	60.6	53.4	80.2
39	59.2	50.9	76.3





#49

1,4-Dioxane

Concen: 342.357 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

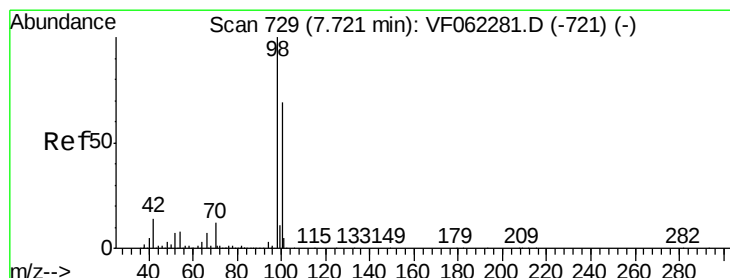
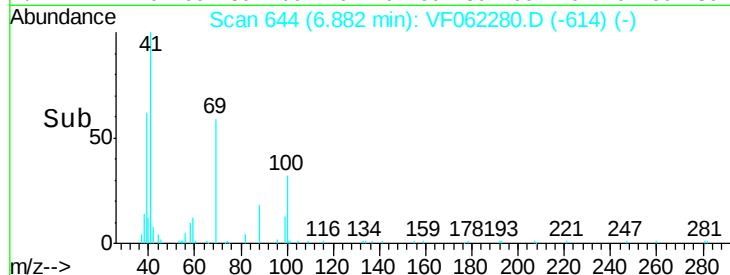
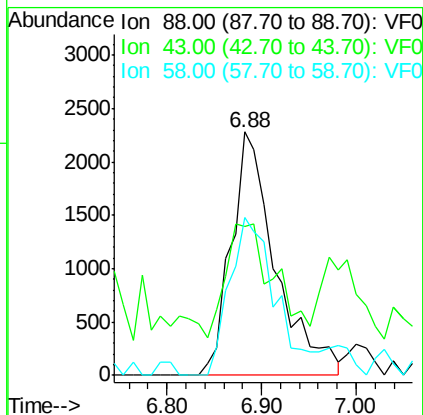
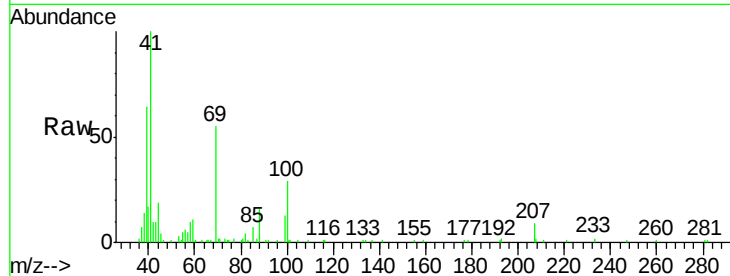
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	7427
Ion	Ratio	Lower	Upper
88	100		
43	50.0	34.2	51.4
58	65.9	50.7	76.1

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#50

Toluene-d8

Concen: 18.588 ug/l

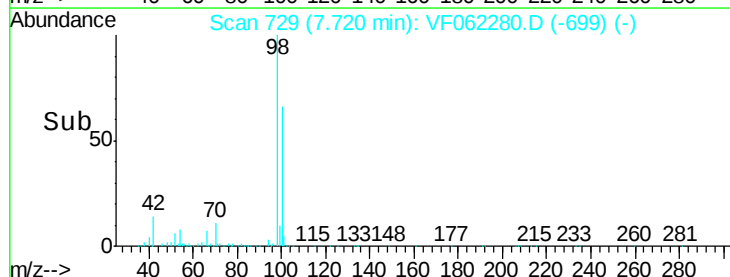
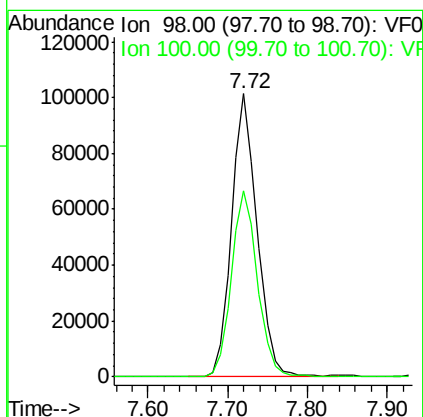
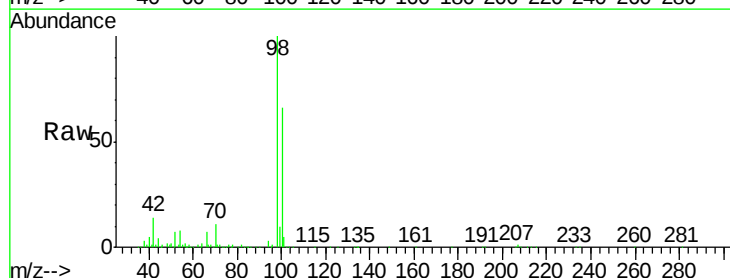
RT: 7.72 min Scan# 729

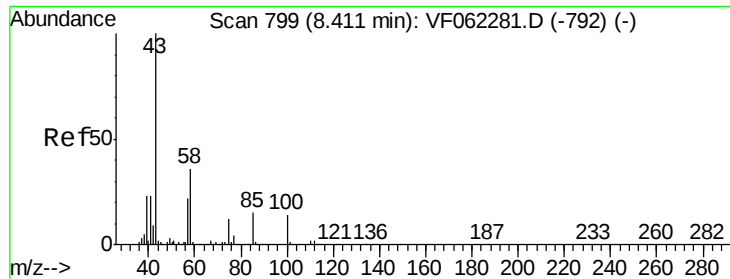
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	98	Resp:	226877
Ion	Ratio	Lower	Upper
98	100		
100	67.2	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 94.220 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 199147

Ion Ratio Lower Upper

43 100

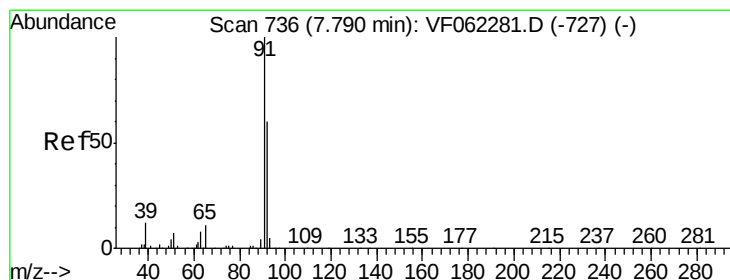
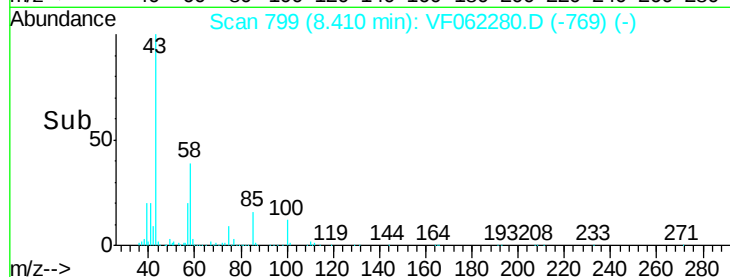
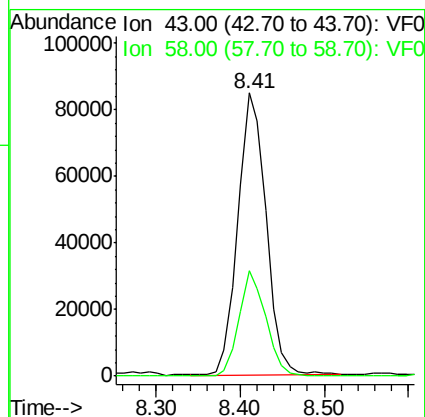
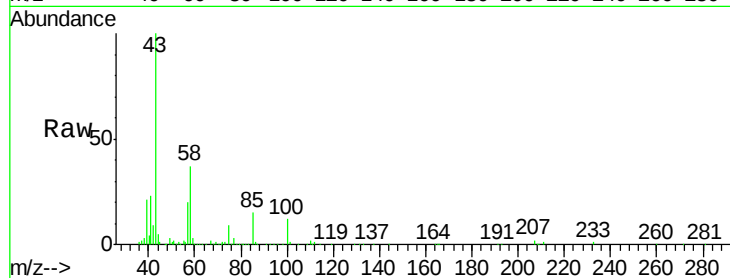
58 35.8 29.1 43.7

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#52

Toluene

Concen: 19.947 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062280.D

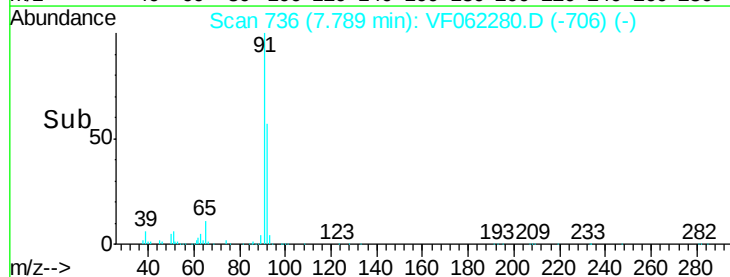
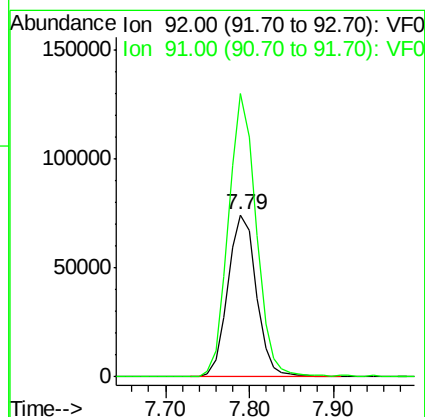
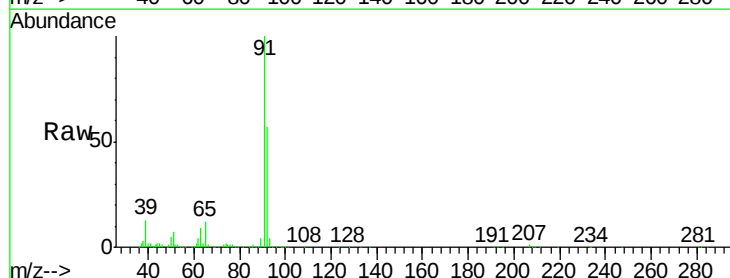
Acq: 24 Apr 2019 14:45

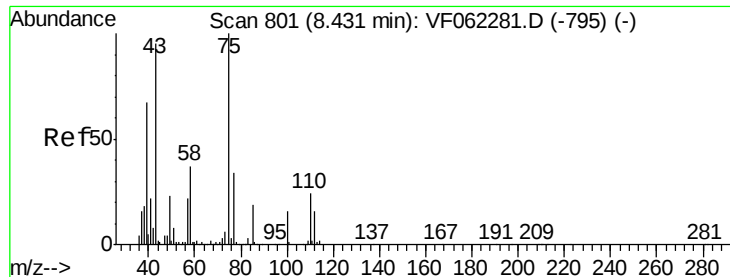
Tgt Ion: 92 Resp: 176016

Ion Ratio Lower Upper

92 100

91 169.9 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 20.085 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062280.D

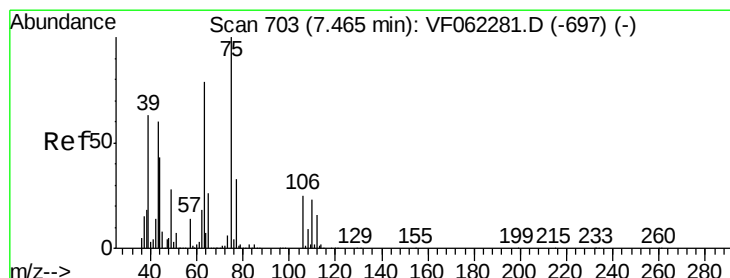
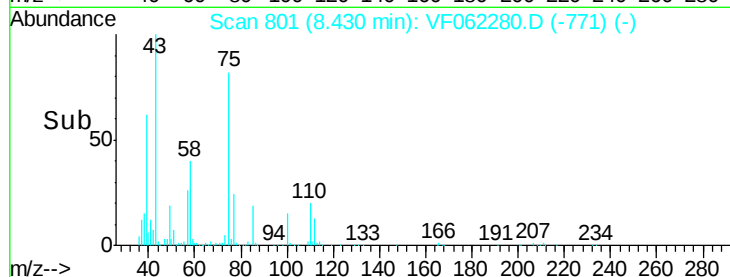
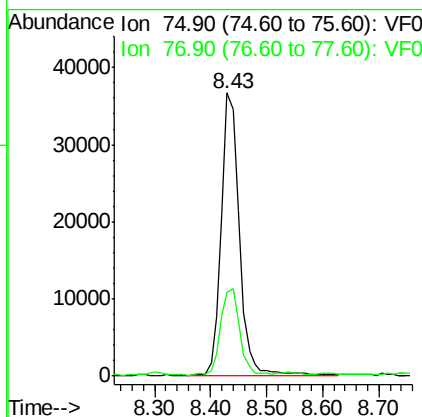
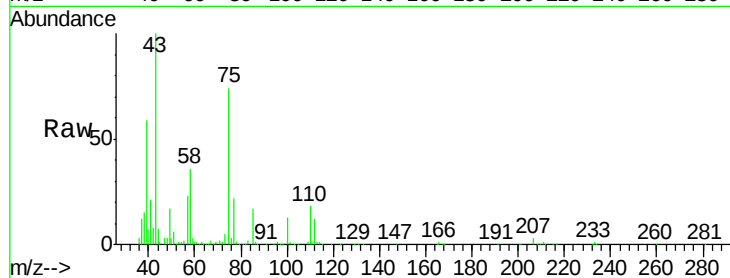
Acq: 24 Apr 2019 14:45

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.3	26.9	40.3

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 20.631 ug/l

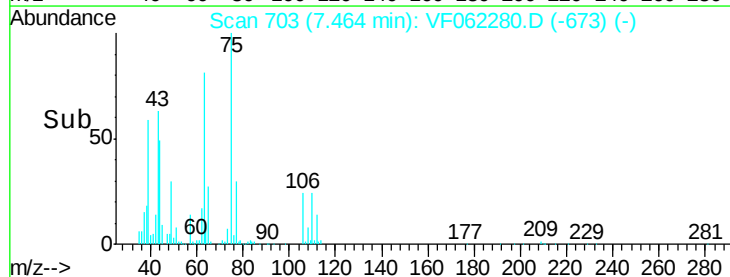
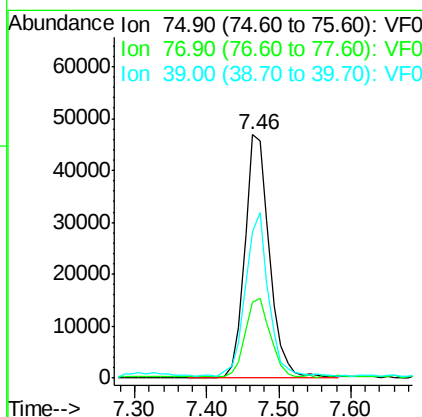
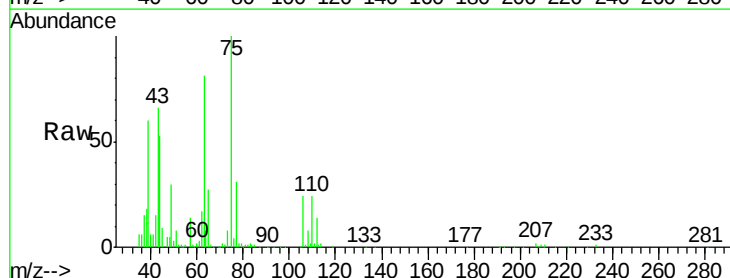
RT: 7.46 min Scan# 703

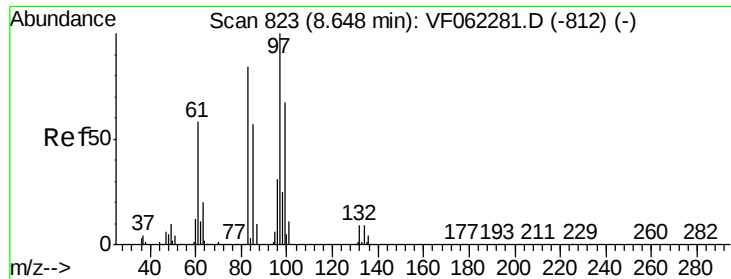
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	26.5	39.7
39	59.2	50.2	75.2





#55

1,1,2-Trichloroethane

Concen: 20.513 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

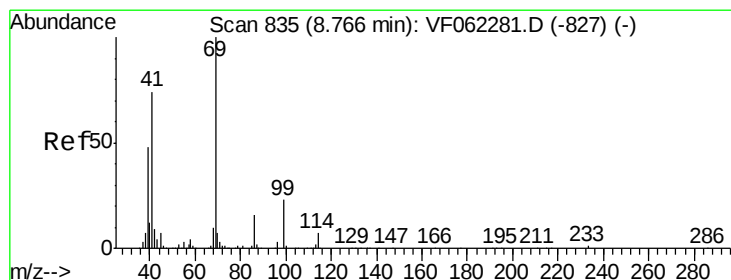
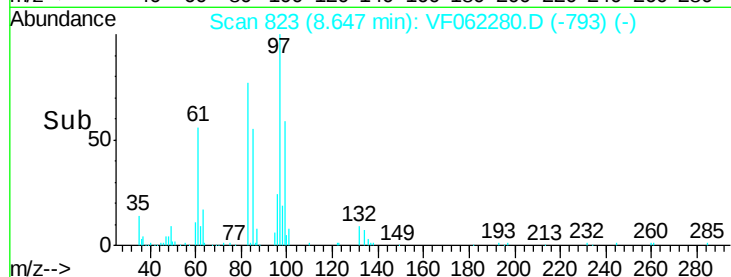
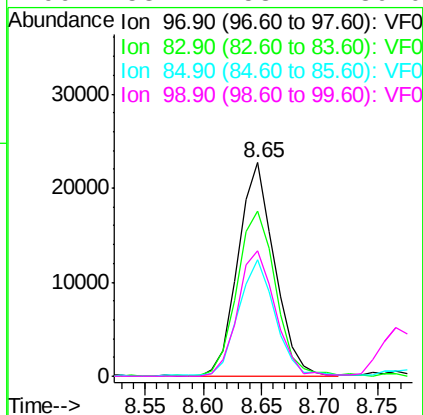
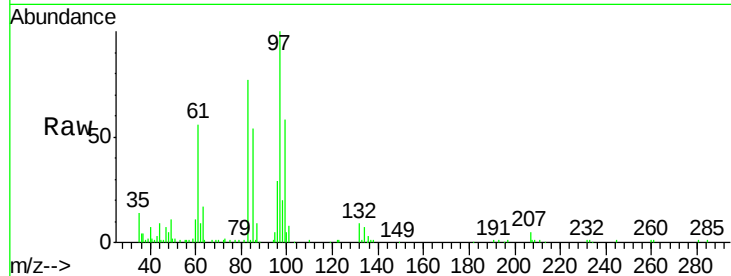
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	49475
Ion Ratio	Lower	Upper	
97	100		
83	77.3	67.5	101.3
85	53.6	45.3	67.9
99	58.4	53.4	80.0

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#56

Ethyl methacrylate

Concen: 18.703 ug/l

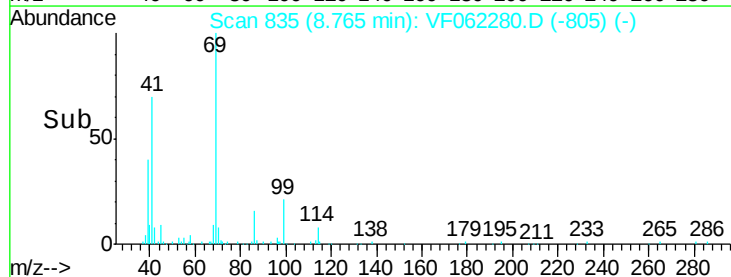
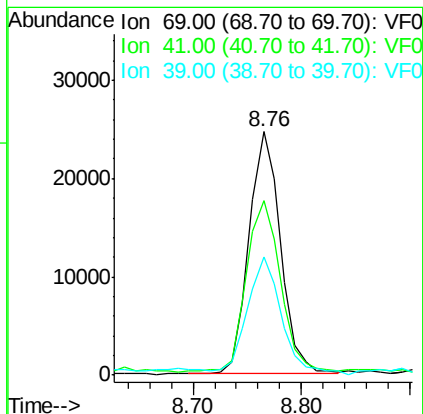
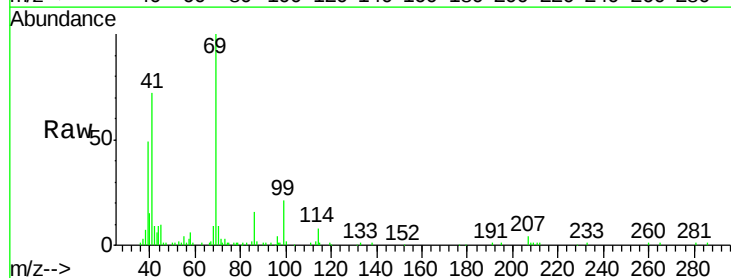
RT: 8.76 min Scan# 835

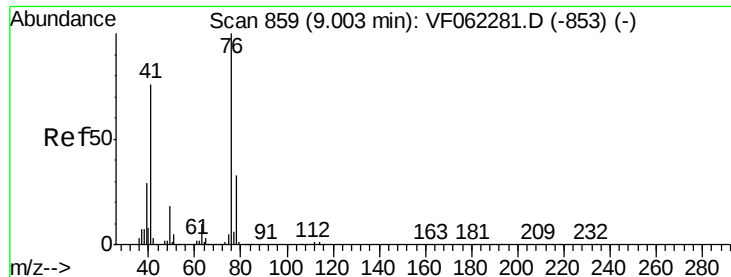
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	69	Resp:	50428
Ion Ratio	Lower	Upper	
69	100		
41	76.1	61.5	92.3
39	53.7	37.9	56.9





#57

1,3-Dichloropropane

Concen: 19.380 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 73507

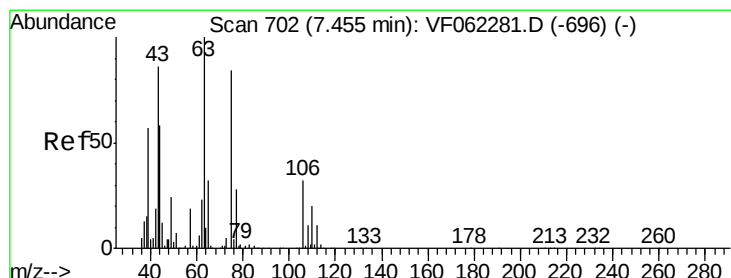
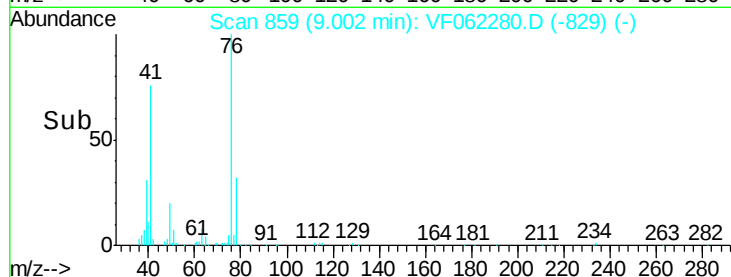
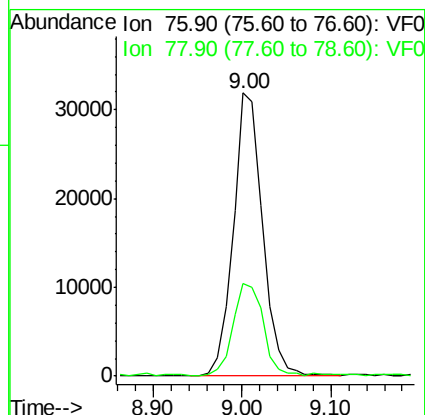
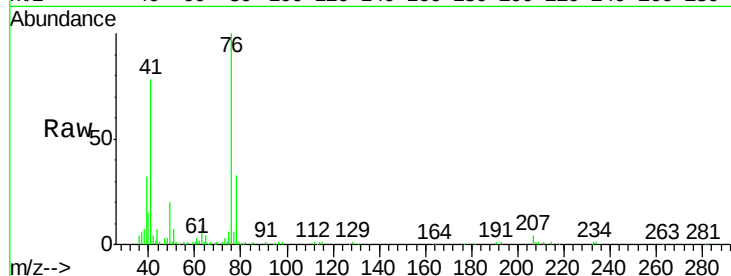
Ion Ratio Lower Upper

76 100

78 34.3 27.0 40.6

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4/26/2019 9:20:59 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.455 ug/l

RT: 7.46 min Scan# 703

Delta R.T. 0.01 min

Lab File: VF062280.D

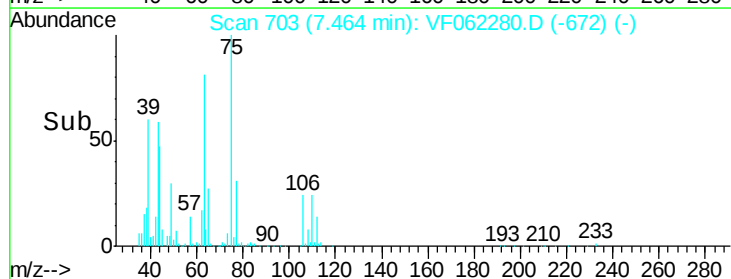
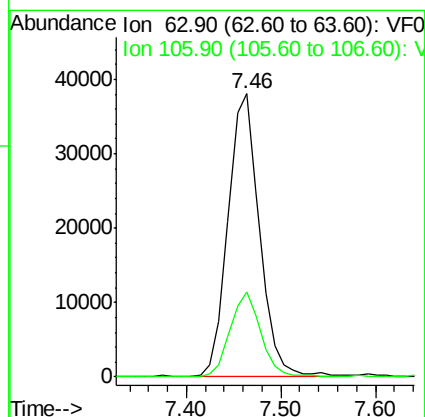
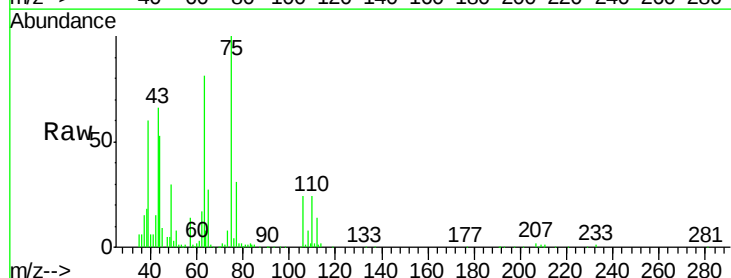
Acq: 24 Apr 2019 14:45

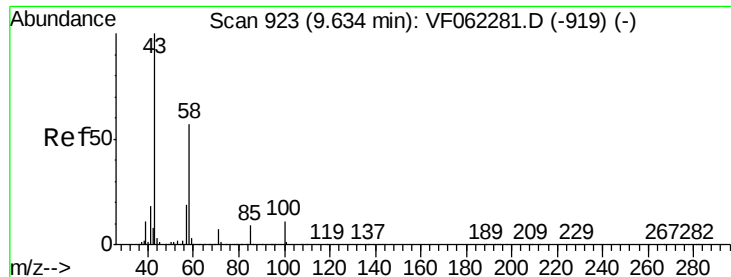
Tgt Ion: 63 Resp: 87004

Ion Ratio Lower Upper

63 100

106 29.5 24.7 37.1





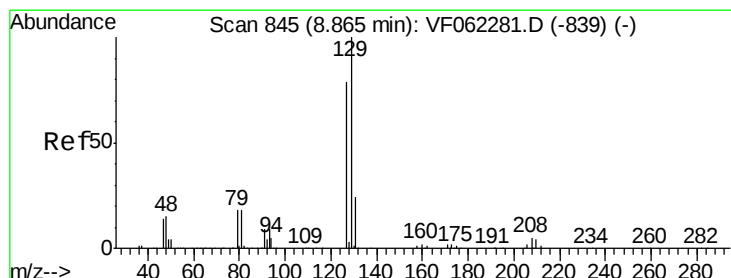
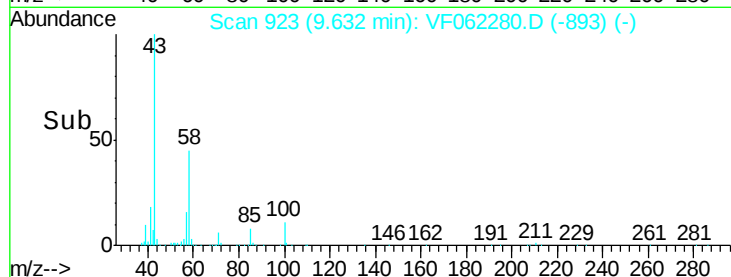
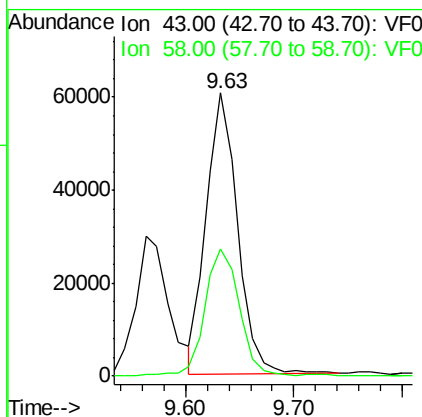
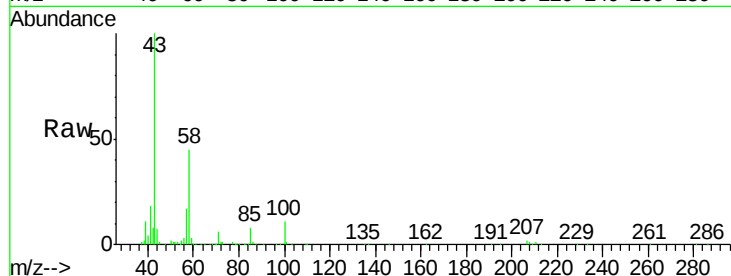
#59
2-Hexanone
Concen: 59.272 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.0	24.9	74.7

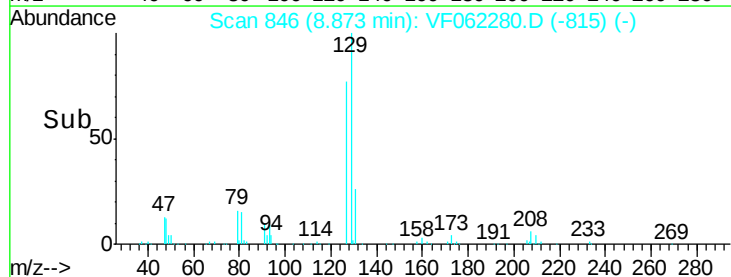
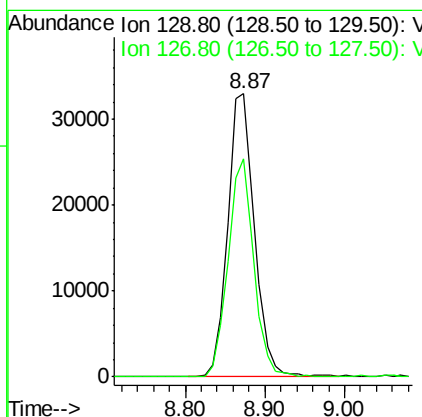
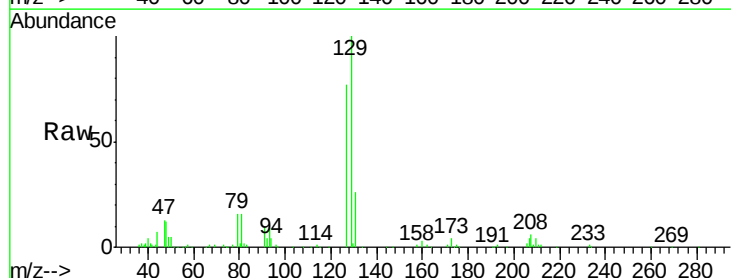
Manual Integrations
APPROVED

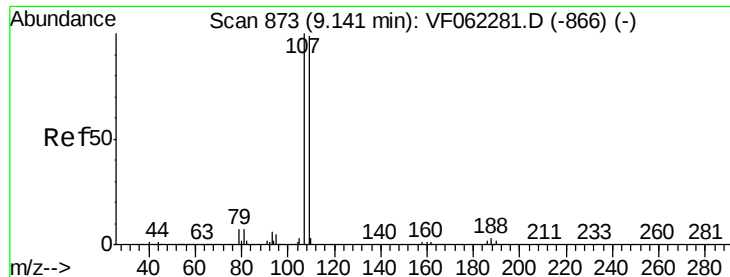
MMDadoda
4/26/2019 9:20:59 AM



#60
Dibromochloromethane
Concen: 19.959 ug/l
RT: 8.87 min Scan# 846
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.3	38.8	116.4





#61

1,2-Dibromoethane

Concen: 19.464 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 107 Resp: 54705

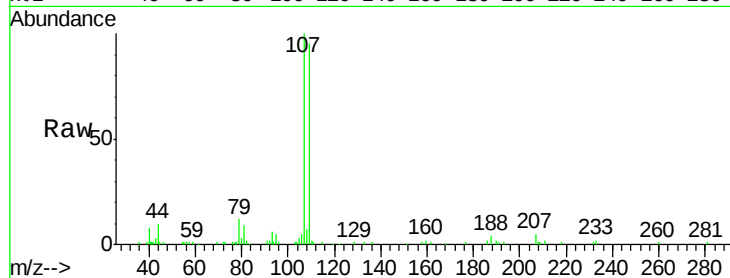
Ion Ratio Lower Upper

107 100

109 95.3 78.7 118.1

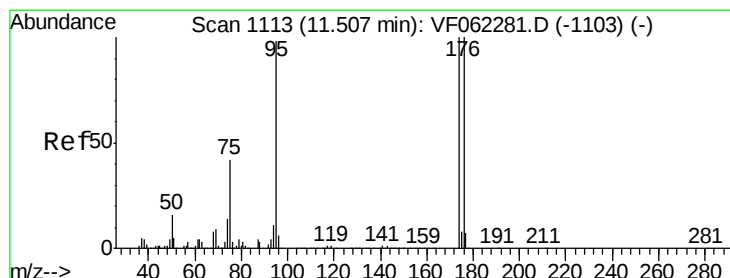
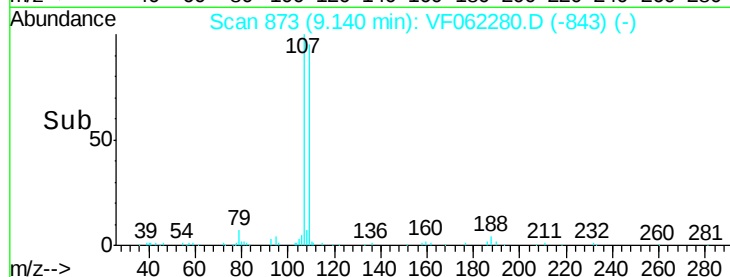
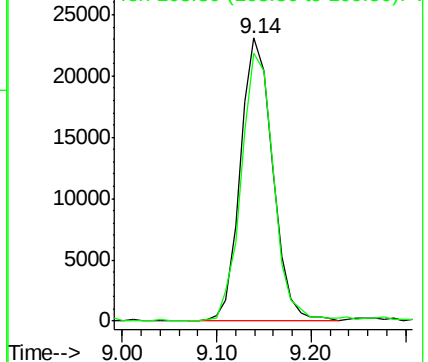
Manual Integrations
APPROVED

MMDadoda
4/26/2019 9:20:59 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 17.634 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

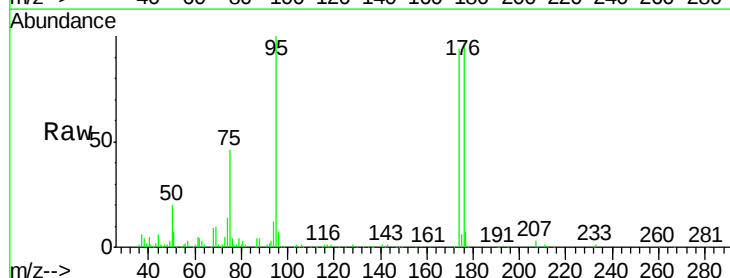
Tgt Ion: 95 Resp: 90711

Ion Ratio Lower Upper

95 100

174 95.5 0.0 185.2

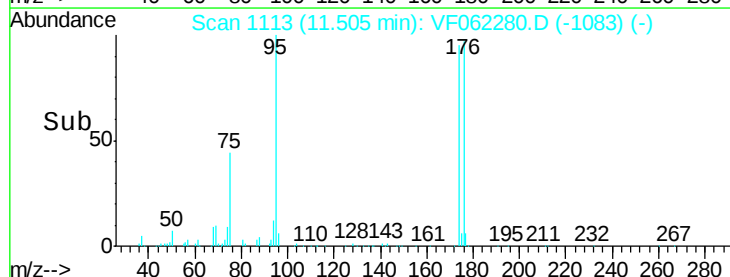
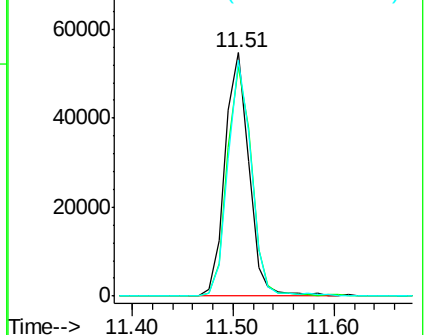
176 94.3 0.0 184.8

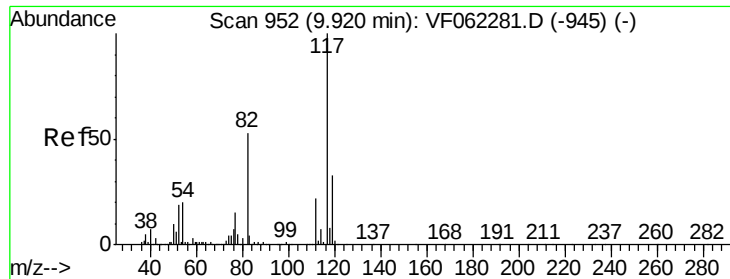


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





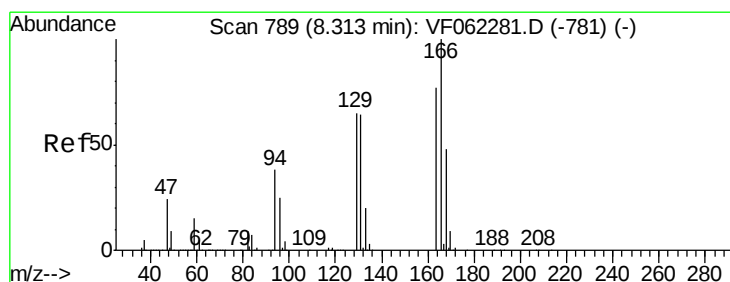
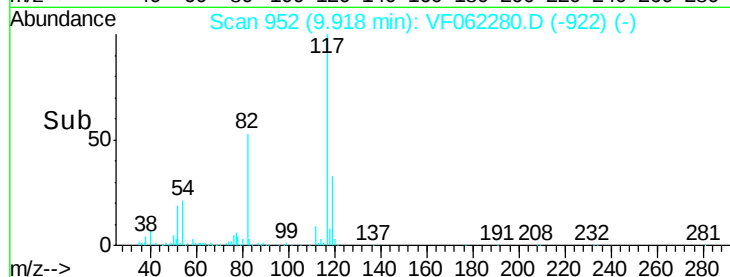
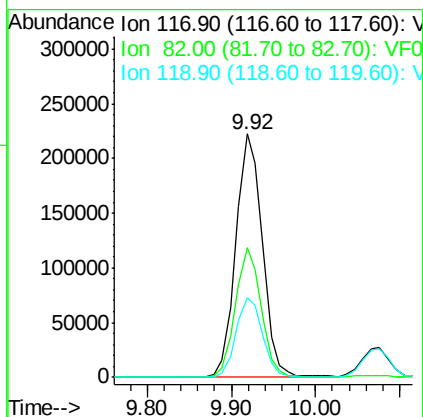
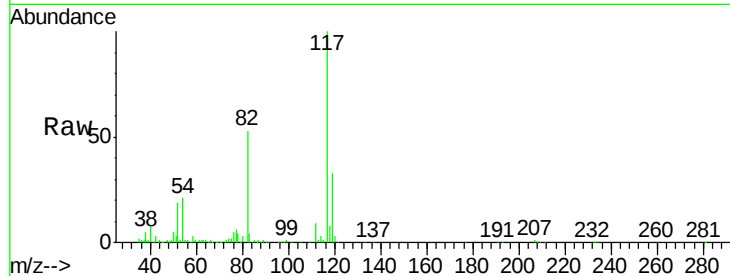
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.6	64.0
119	32.8	26.1	39.1

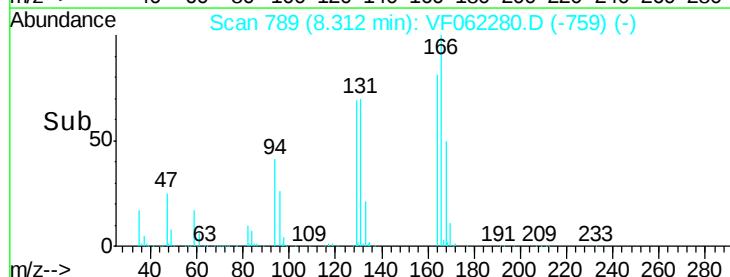
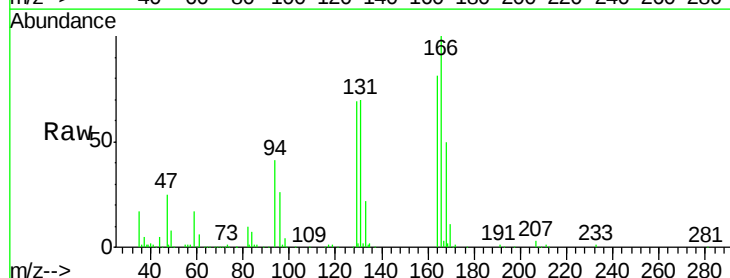
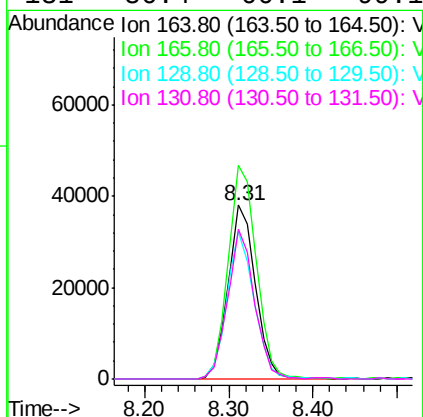
Manual Integrations
APPROVED

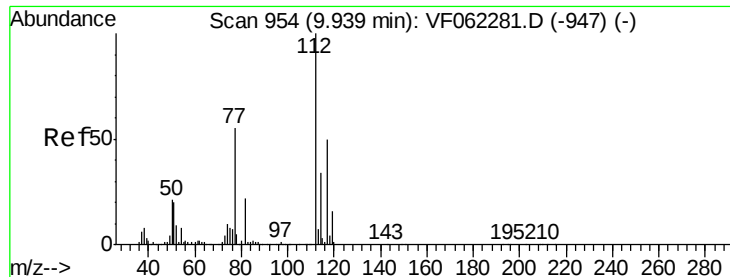
MMDadoda
4/26/2019 9:20:59 AM



#64
Tetrachloroethene
Concen: 20.546 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.8	103.5	155.3
129	84.7	67.6	101.4
131	86.4	66.1	99.1





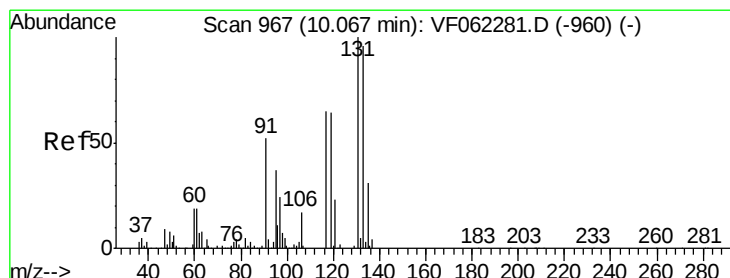
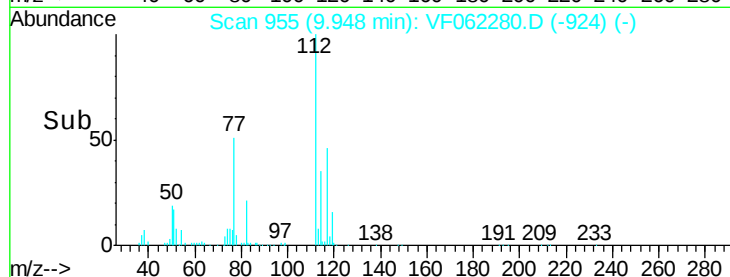
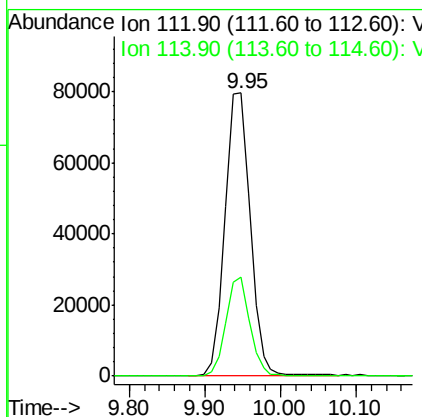
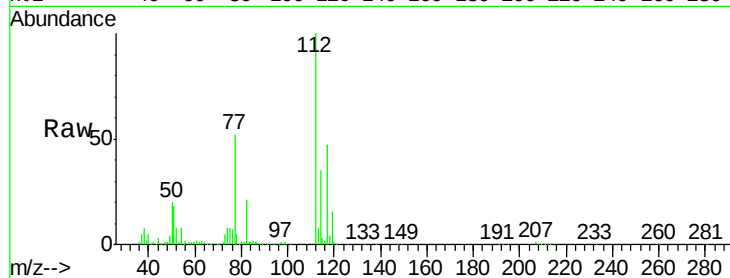
#65
Chlorobenzene
Concen: 20.477 ug/l
RT: 9.95 min Scan# 955
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
112	100	185748		
114	35.1	27.0	40.6	

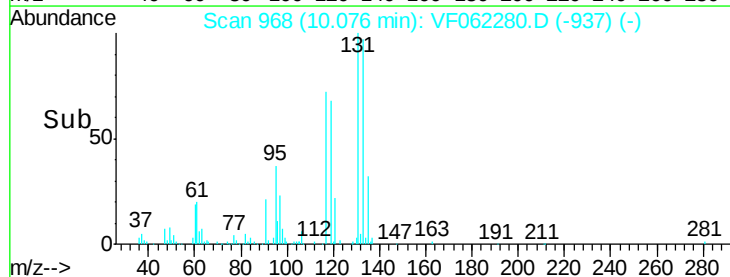
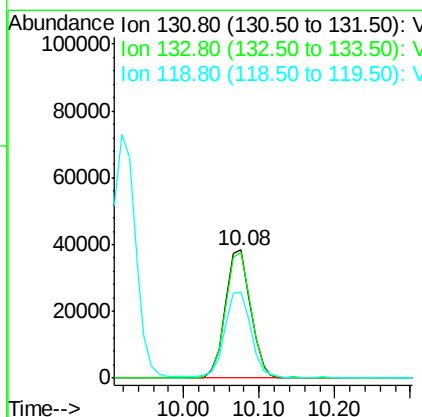
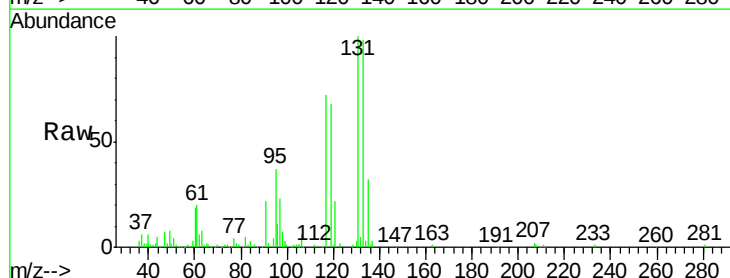
Manual Integrations
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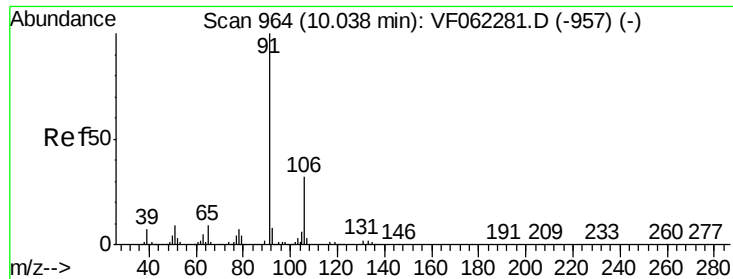
MMDadoda
4/26/2019 9:20:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.414 ug/l
RT: 10.08 min Scan# 968
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	89255		
133	96.8	48.5	145.5	
119	70.5	32.9	98.7	





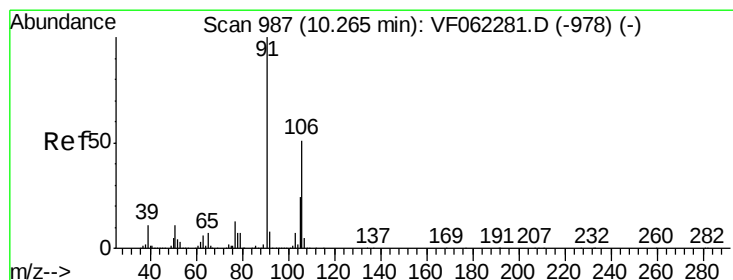
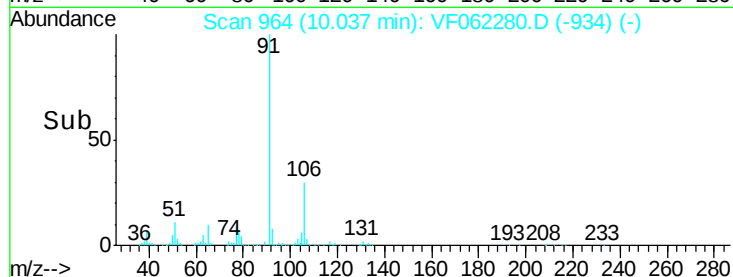
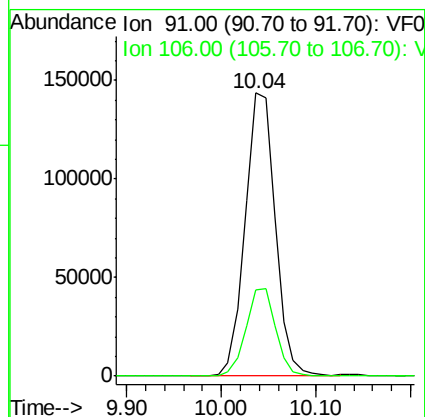
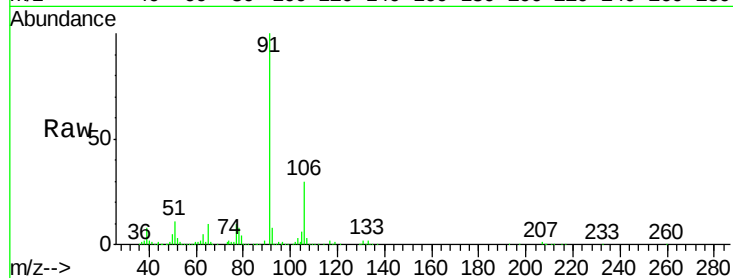
#67
Ethyl Benzene
Concen: 19.797 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		318538		
106	30.4	25.6	38.4		

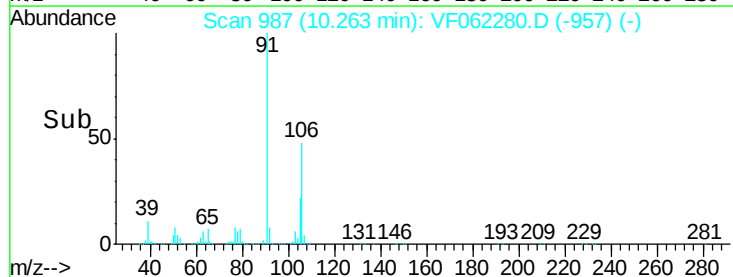
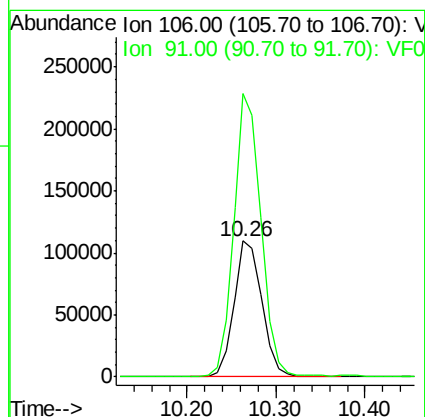
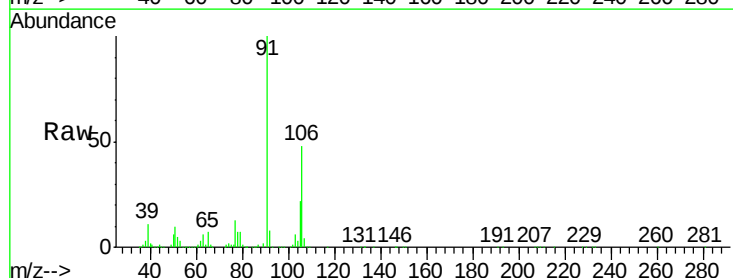
Manual Integrations
APPROVED

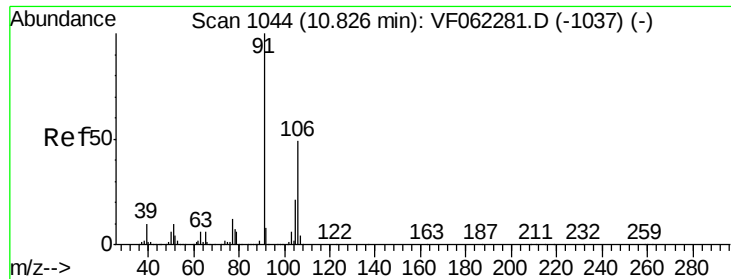
MMDadoda
4/26/2019 9:20:59 AM



#68
m/p-Xylenes
Concen: 40.403 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		240039		
91	202.5	158.3	237.5		





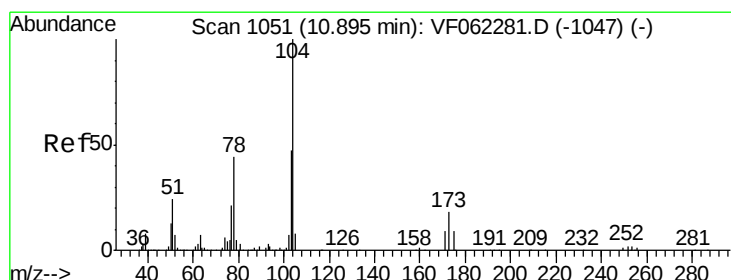
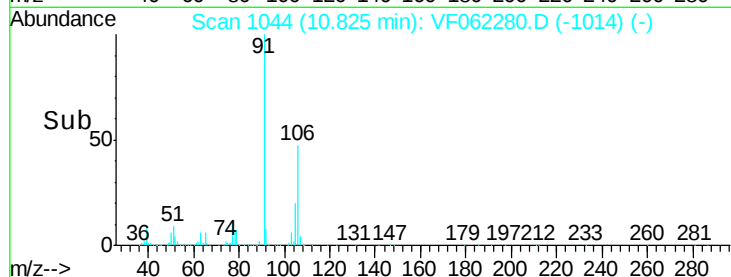
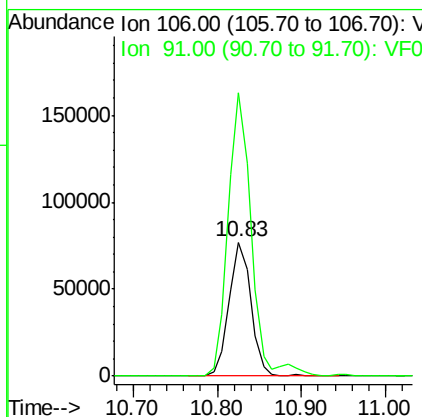
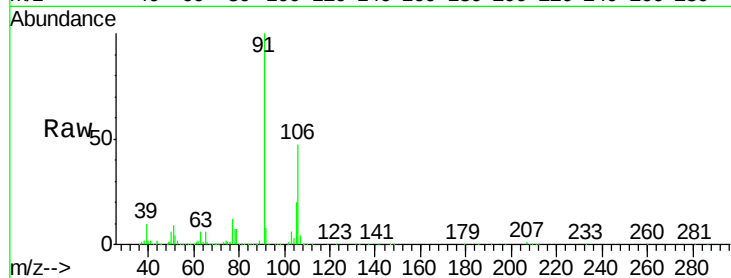
#69
o-Xylene
Concen: 21.059 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.0	110.0	330.0

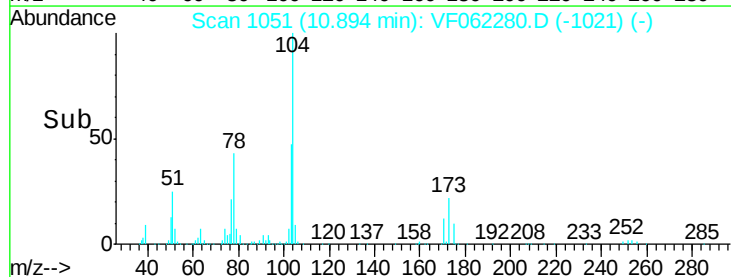
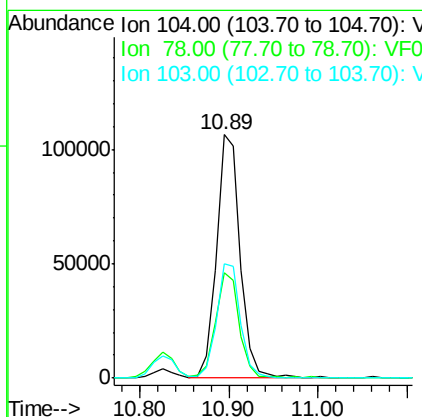
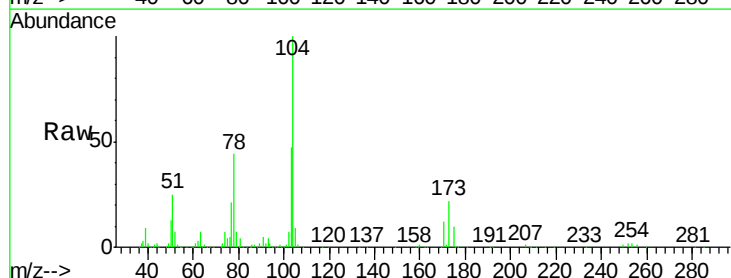
Manual Integrations
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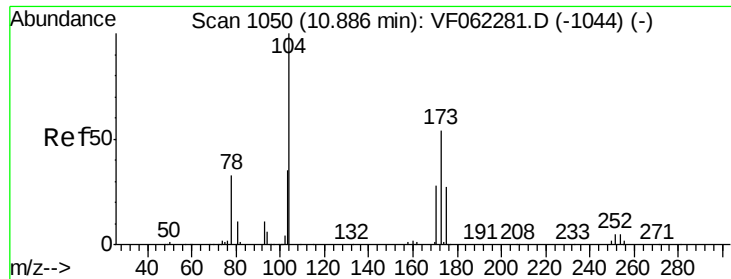
MMDadoda
4/26/2019 9:20:59 AM



#70
Styrene
Concen: 20.397 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	43.1	35.9	53.9
103	48.5	37.5	56.3





#71

Bromoform

Concen: 20.642 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

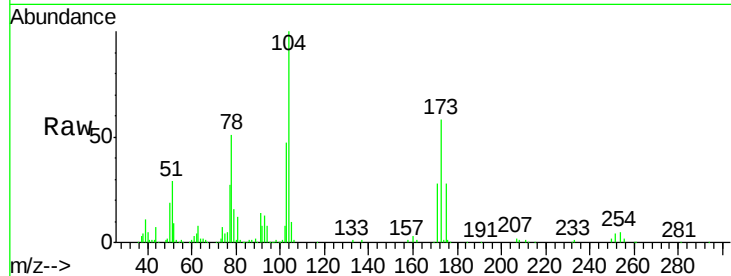
ClientSampleId :

VSTDIC020

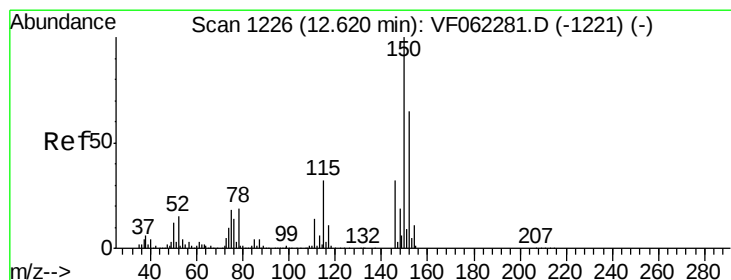
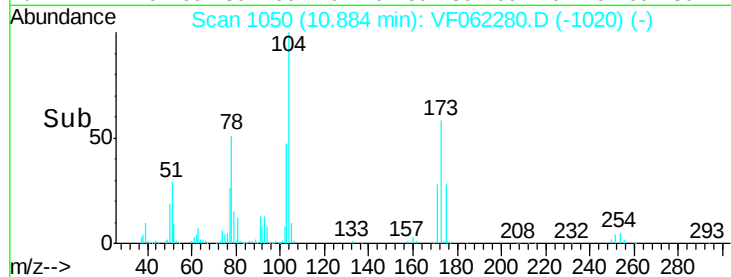
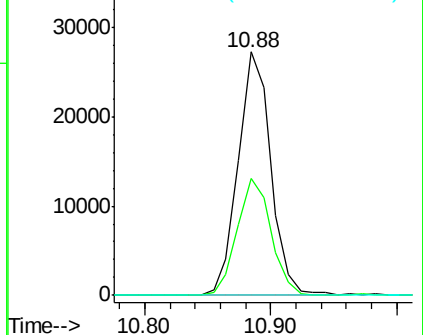
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	25.3	75.9
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

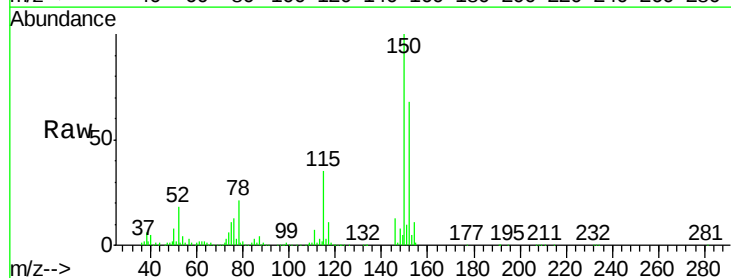
RT: 12.62 min Scan# 1226

Delta R.T. -0.00 min

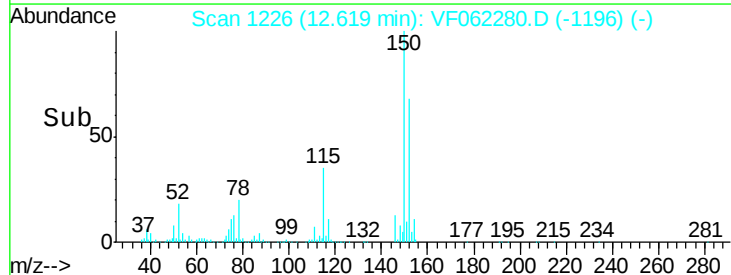
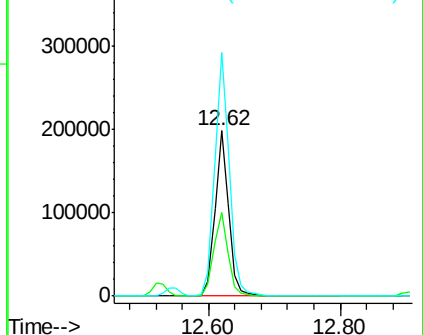
Lab File: VF062280.D

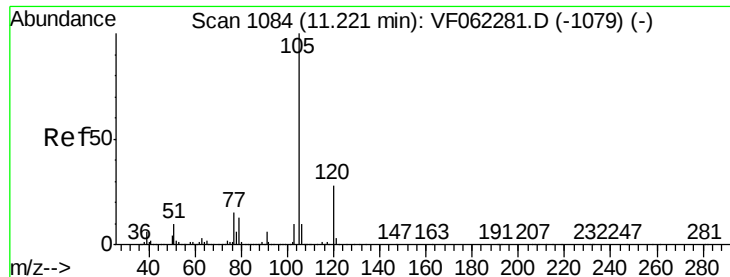
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	25.6	76.8
150	156.8	0.0	330.6



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.382 ug/l

RT: 11.22 min Scan# 1084

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 426705

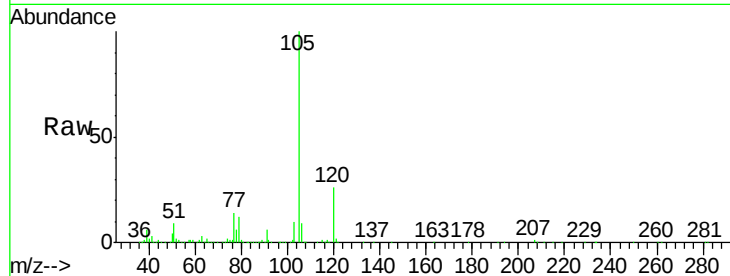
Ion Ratio Lower Upper

105 100

120 25.9 12.4 37.2

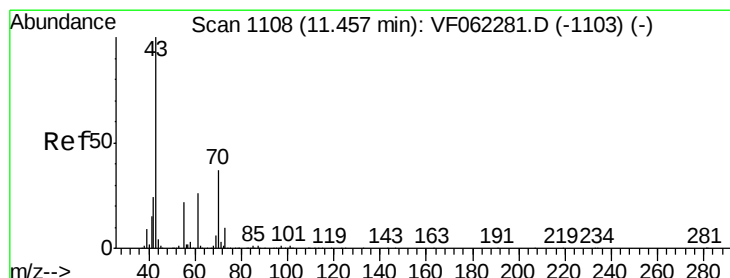
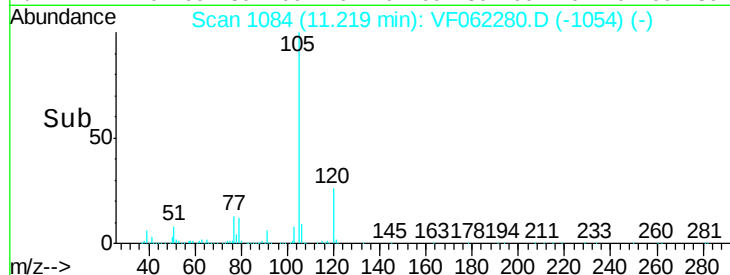
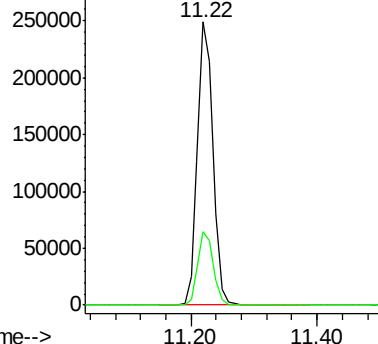
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.396 ug/l

RT: 11.46 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion: 43 Resp: 87879

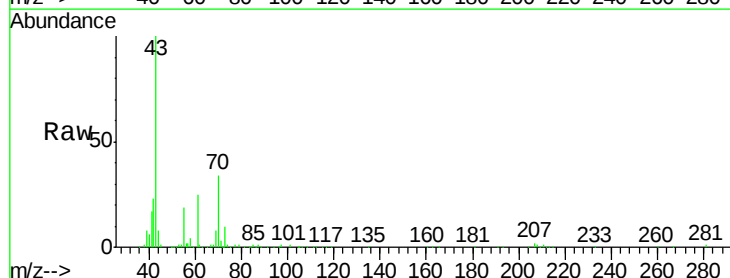
Ion Ratio Lower Upper

43 100

70 34.4 27.8 41.8

55 19.2 16.6 24.8

61 24.6 20.0 30.0

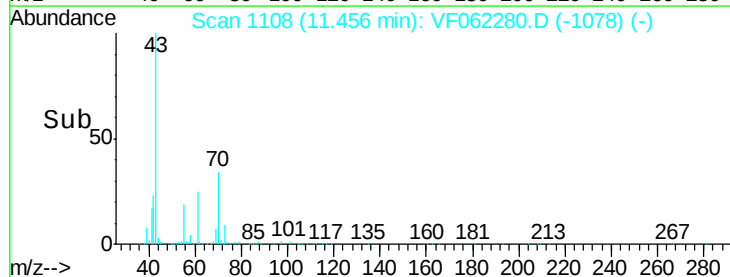
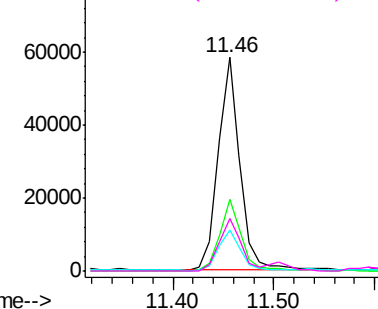


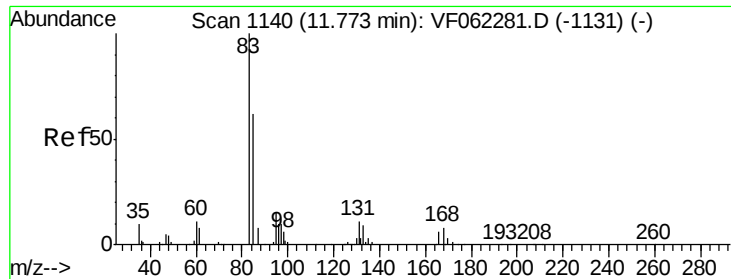
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.027 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

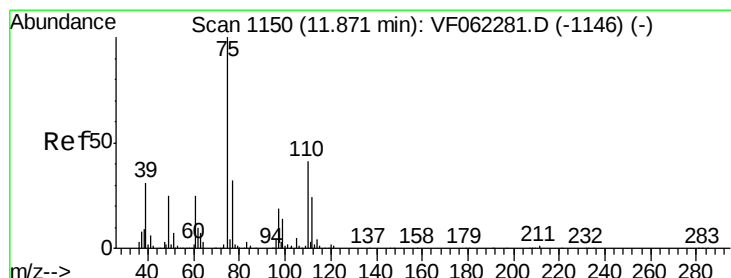
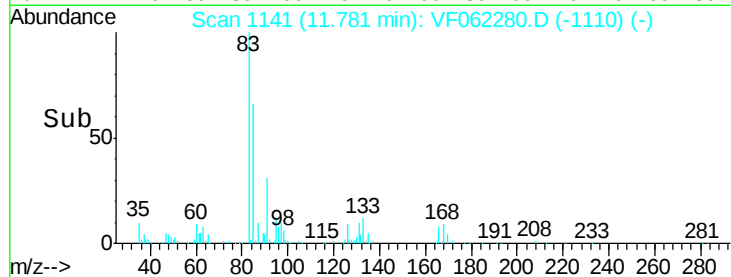
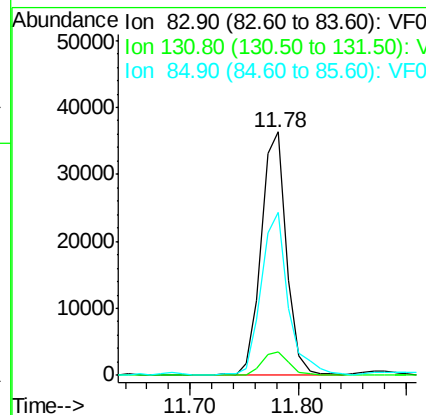
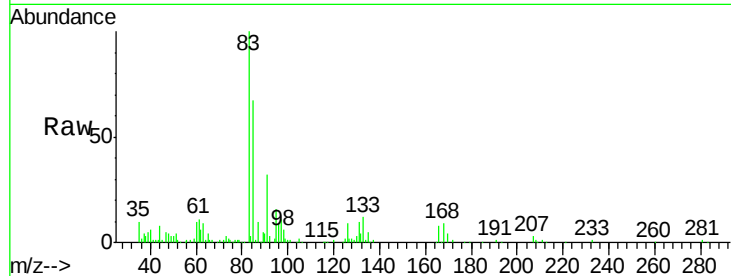
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	59765
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.5	16.5
85	71.8	34.5	103.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.163 ug/l

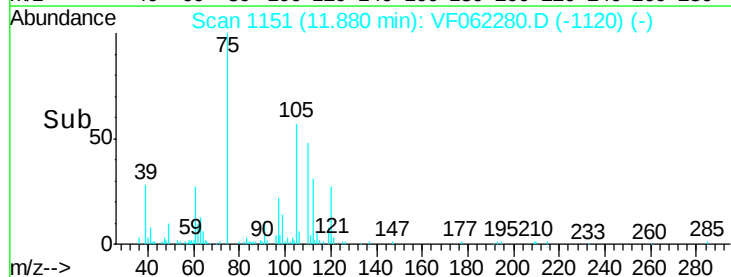
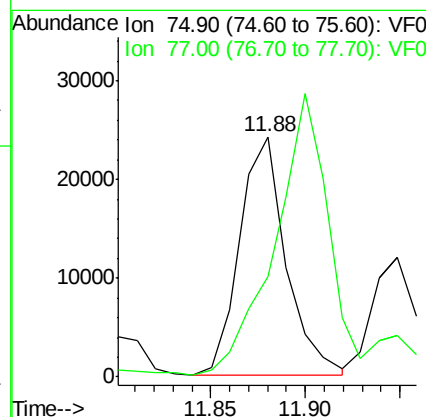
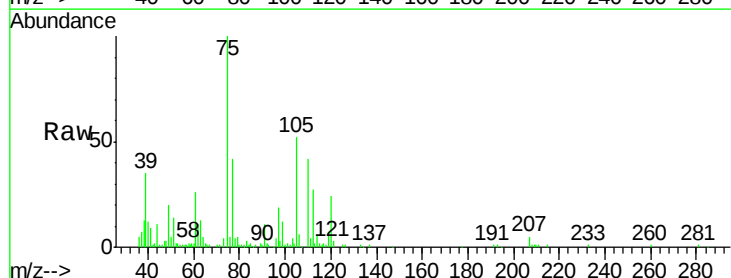
RT: 11.88 min Scan# 1151

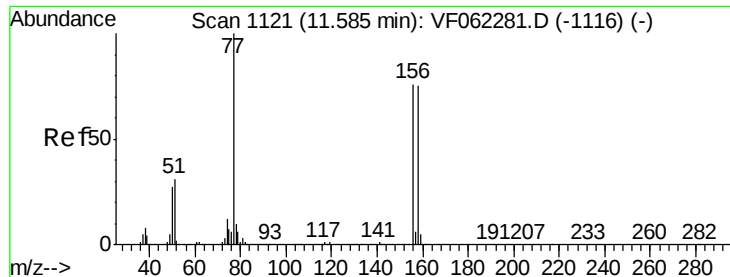
Delta R.T. 0.01 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	75	Resp:	41268
Ion Ratio	Lower	Upper	
75	100		
77	150.0	0.0	0.0#





#77

Bromobenzene

Concen: 20.646 ug/l

RT: 11.58 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

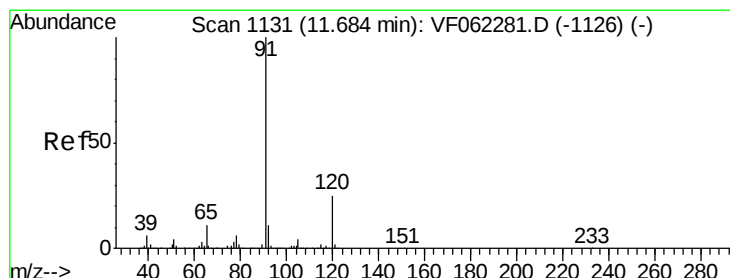
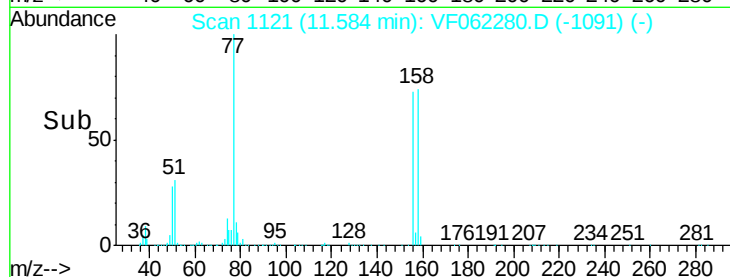
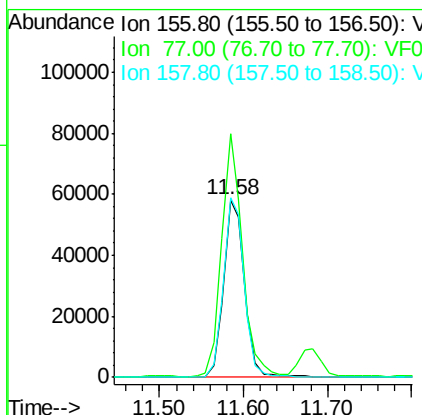
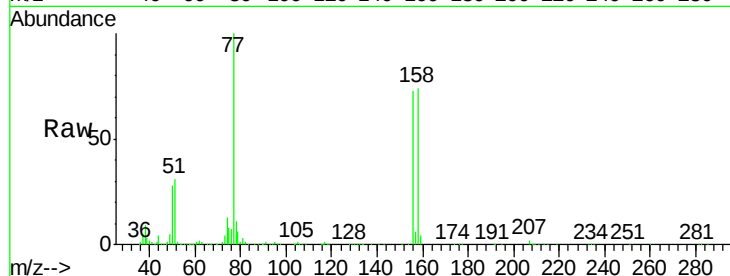
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	135.9	67.3	201.9		
158	100.4	49.5	148.5		

Manual Integrations
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#78

n-propylbenzene

Concen: 19.965 ug/l

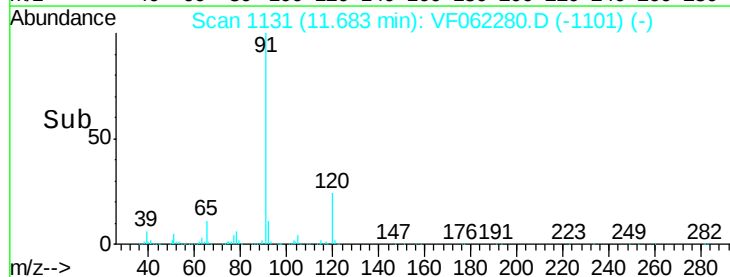
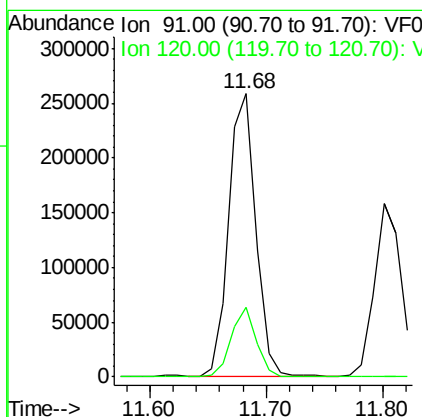
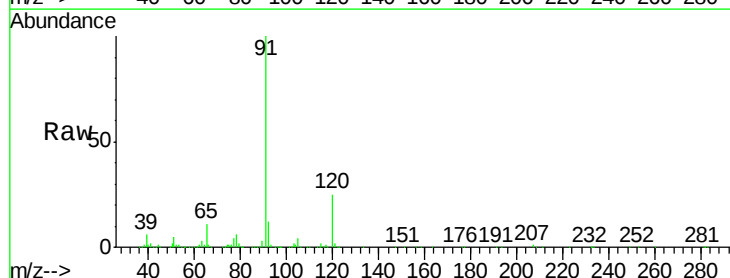
RT: 11.68 min Scan# 1131

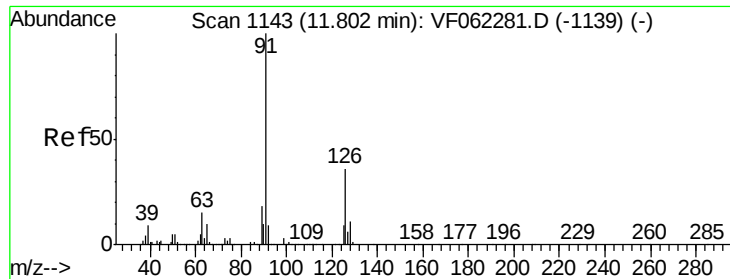
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	23.0	11.8	35.4		





#79

2-Chlorotoluene

Concen: 20.394 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 251701

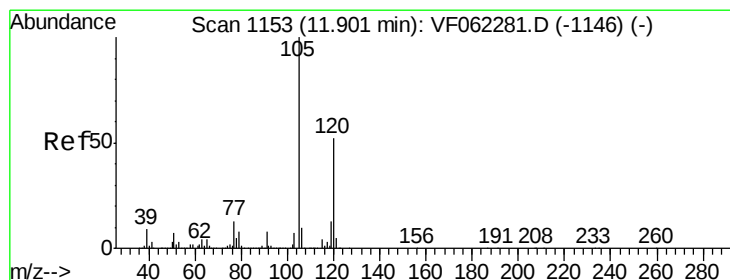
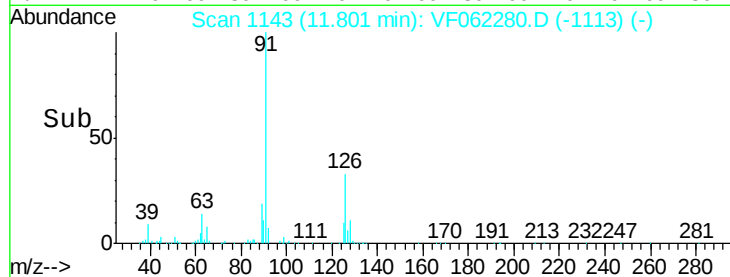
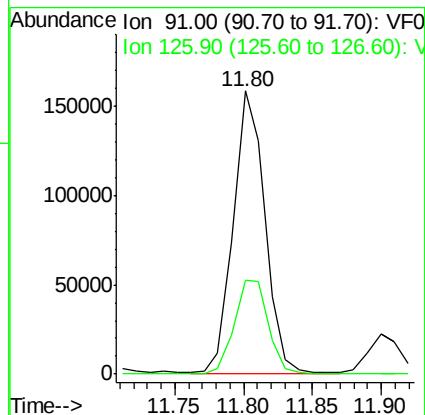
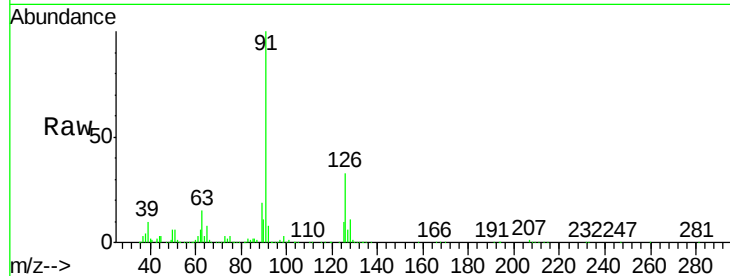
Ion Ratio Lower Upper

91 100

126 36.3 17.9 53.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.282 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VF062280.D

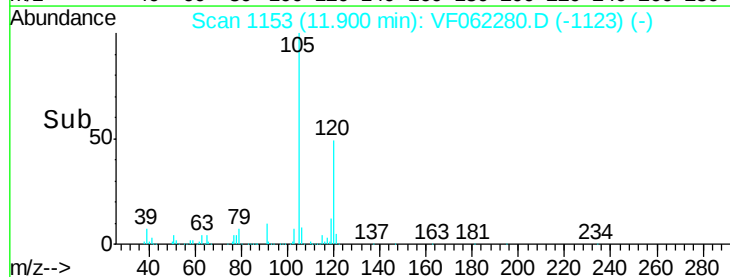
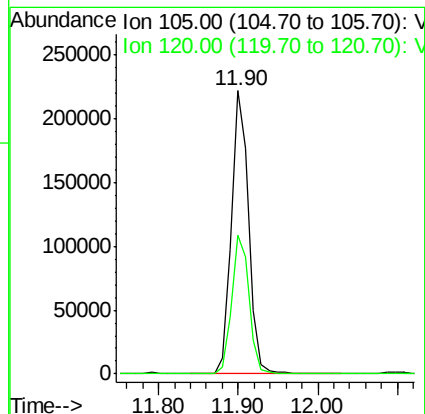
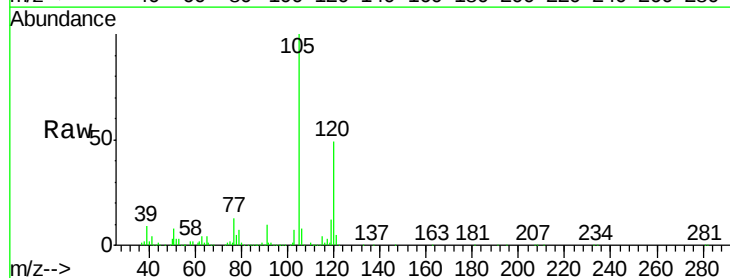
Acq: 24 Apr 2019 14:45

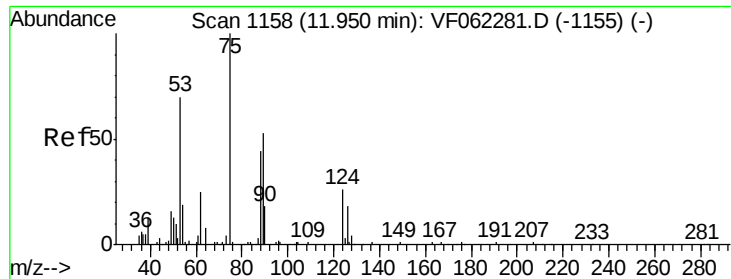
Tgt Ion: 105 Resp: 338659

Ion Ratio Lower Upper

105 100

120 49.7 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 16.392 ug/l m

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

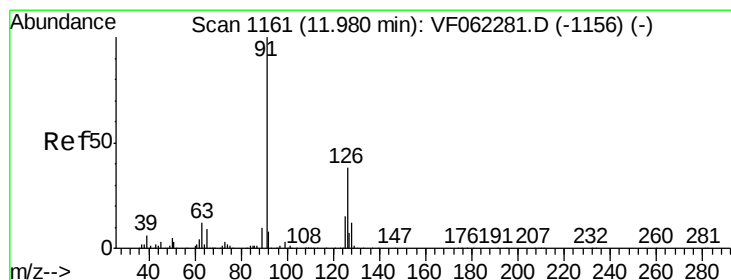
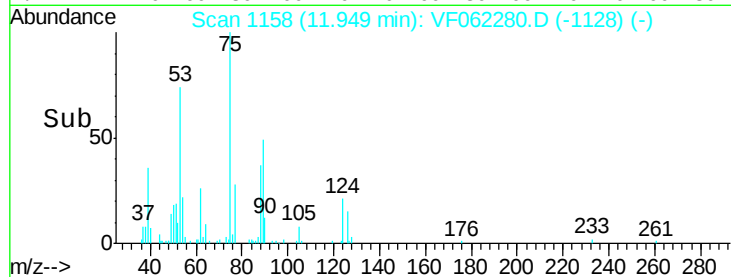
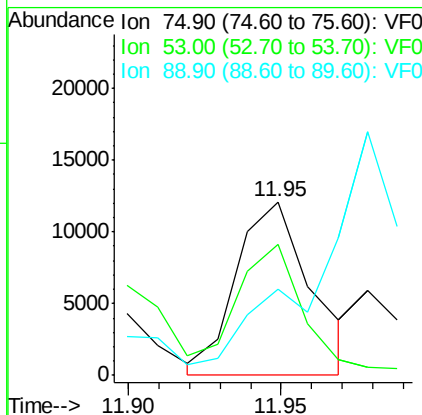
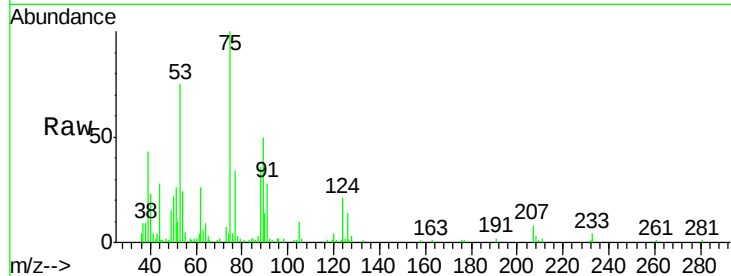
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	20499
Ion	Ratio	Lower	Upper
75	100		
53	69.1	67.1	100.7
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.706 ug/l

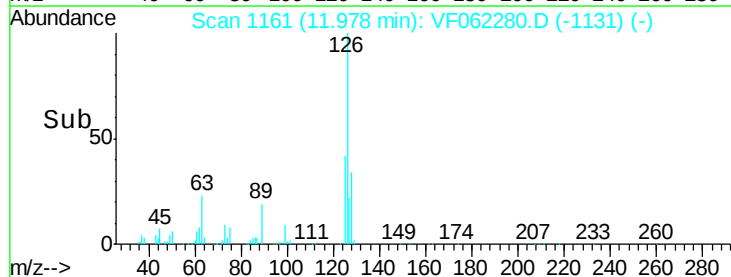
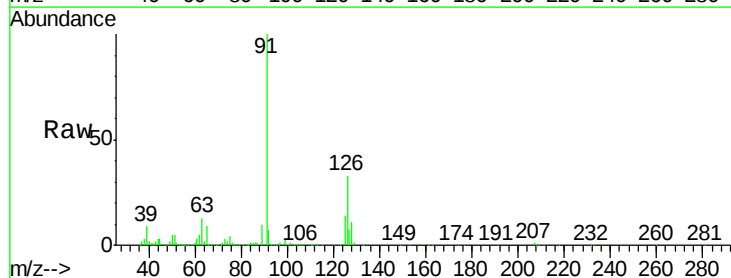
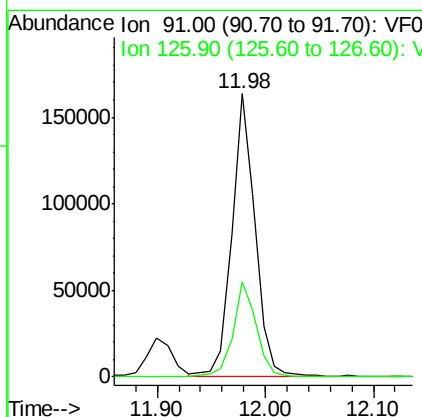
RT: 11.98 min Scan# 1161

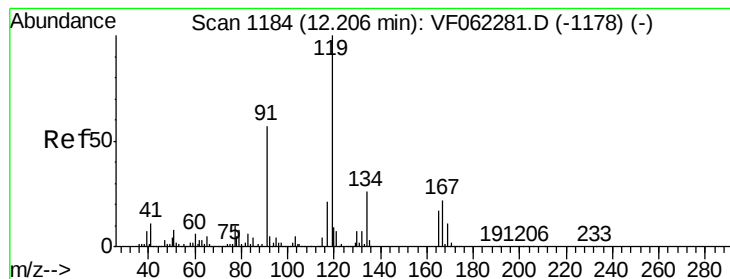
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	91	Resp:	241023
Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.3	52.0





#83

tert-Butylbenzene

Concen: 21.507 ug/l

RT: 12.21 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Instrument :

MSVOA_F

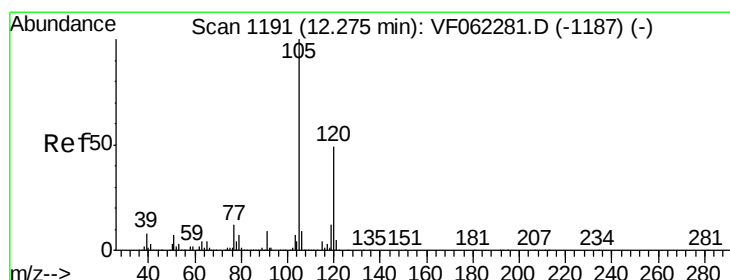
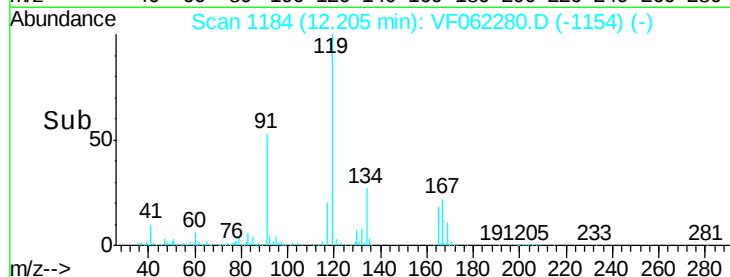
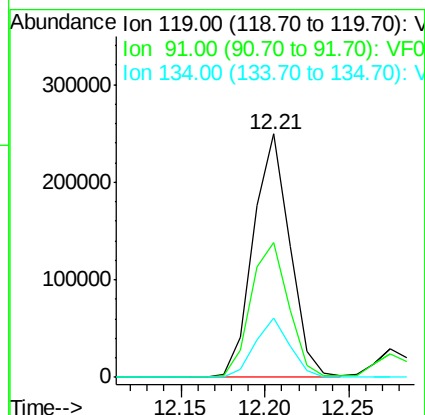
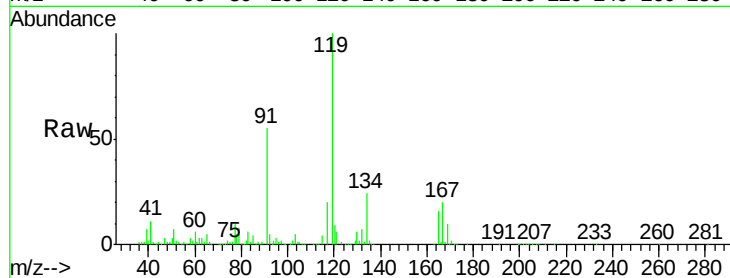
ClientSampleId :

VSTDIC020

Tot Ion:	119	Resp:	376516
Ion Ratio	Lower	Upper	
119	100		
91	57.2	29.4	88.2
134	23.5	11.9	35.7

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.548 ug/l

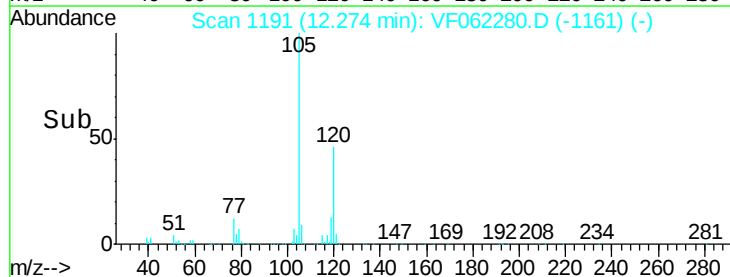
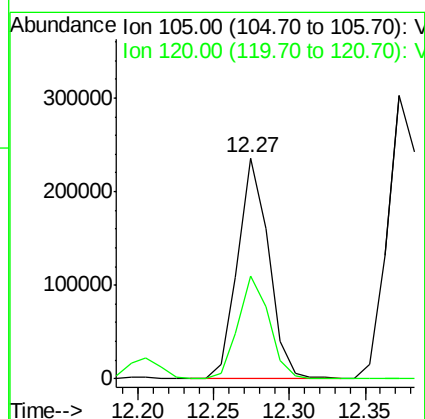
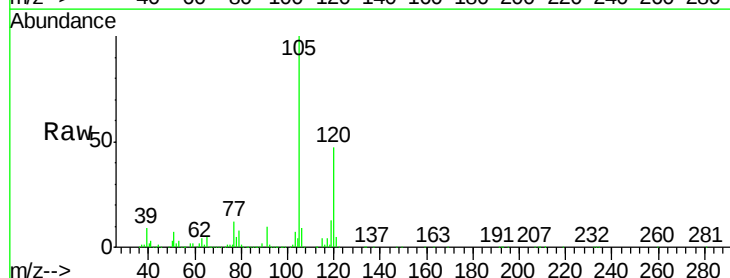
RT: 12.27 min Scan# 1191

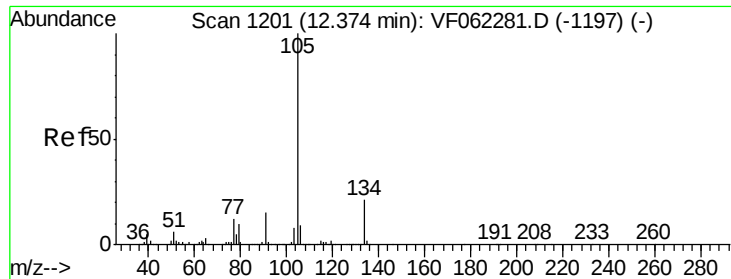
Delta R.T. -0.00 min

Lab File: VF062280.D

Acq: 24 Apr 2019 14:45

Tgt Ion:	105	Resp:	337391
Ion Ratio	Lower	Upper	
105	100		
120	46.3	24.1	72.2





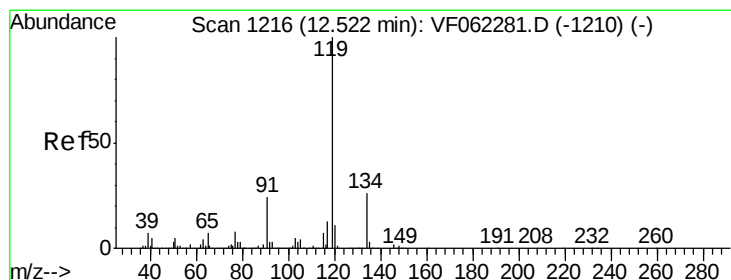
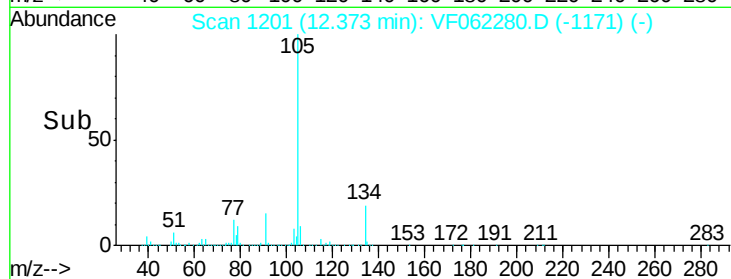
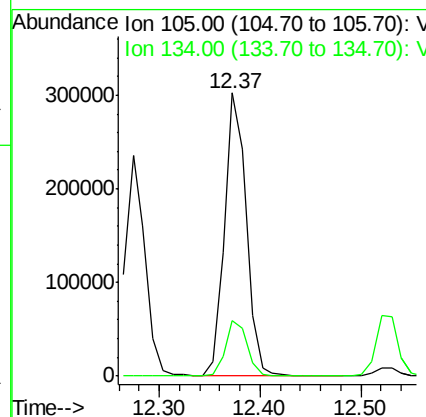
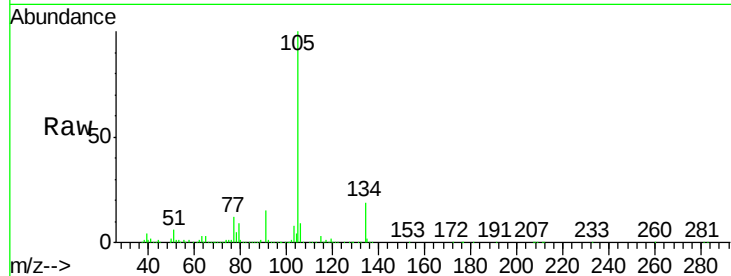
#85
 sec-Butylbenzene
 Concen: 21.042 ug/l
 RT: 12.37 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	10.2	30.4

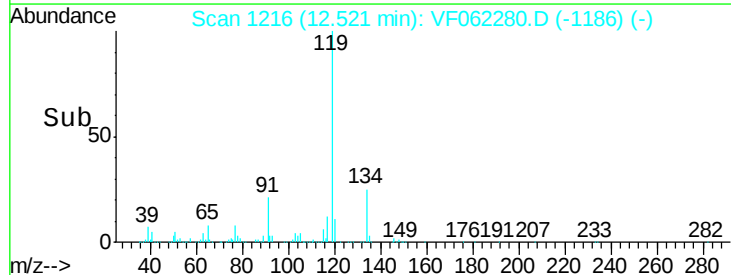
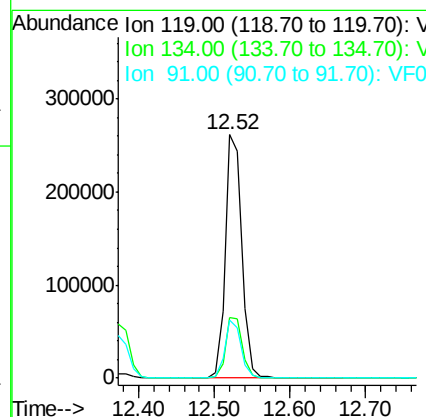
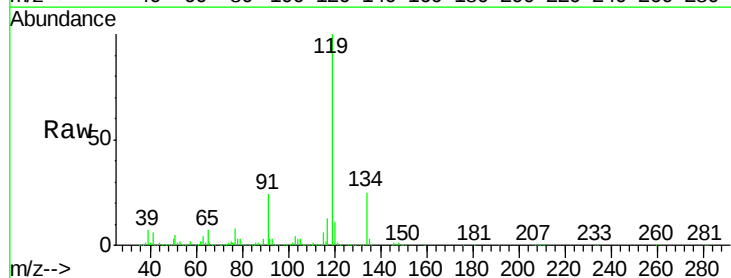
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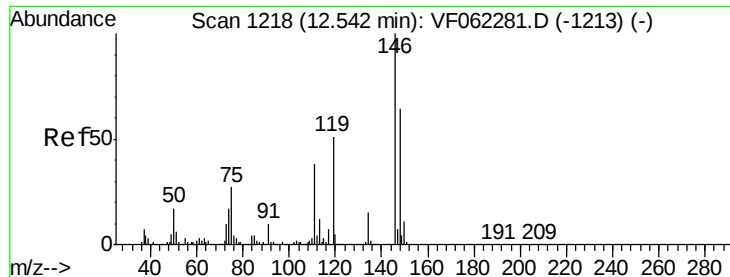
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#86
 p-Isopropyltoluene
 Concen: 20.640 ug/l
 RT: 12.52 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	13.2	39.5
91	23.4	11.6	34.7





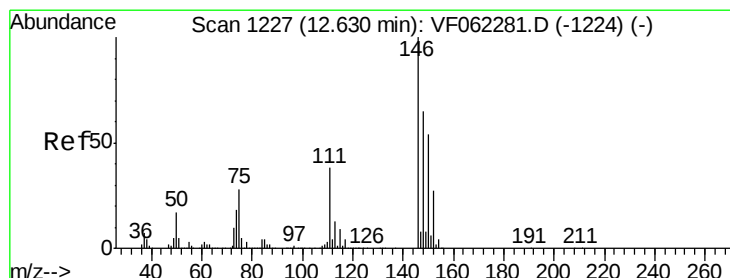
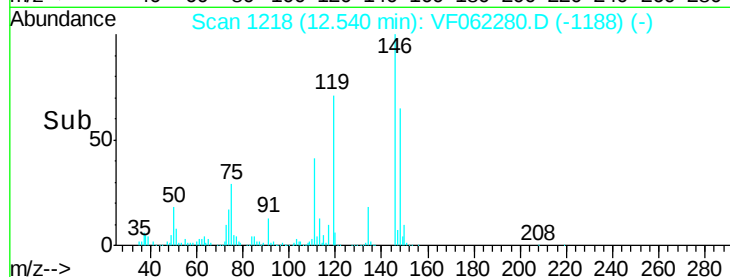
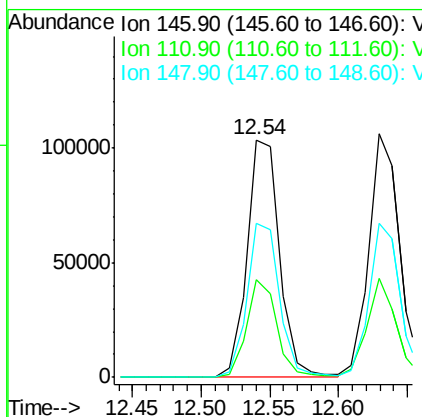
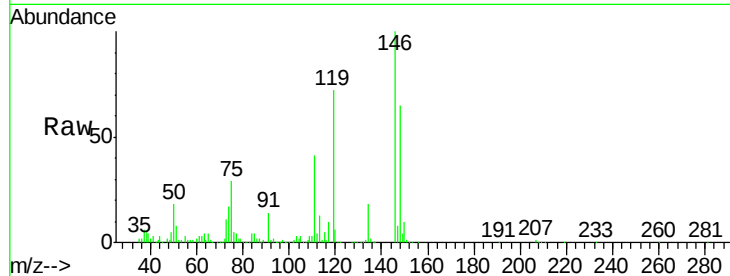
#87
 1,3-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.8	32.8	98.4

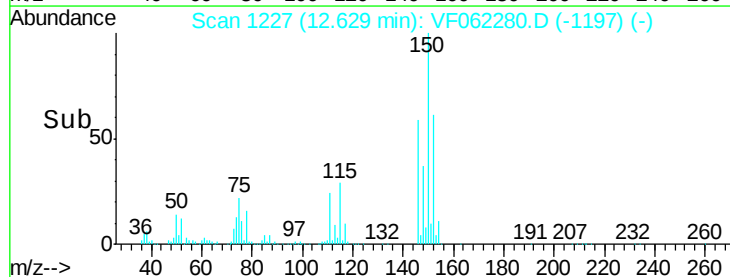
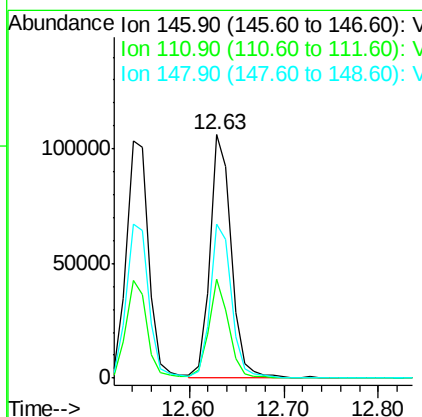
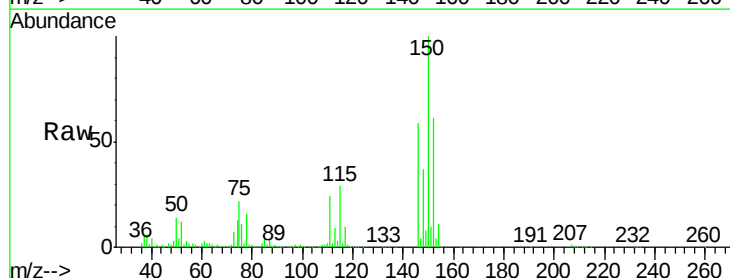
Manual Integrations
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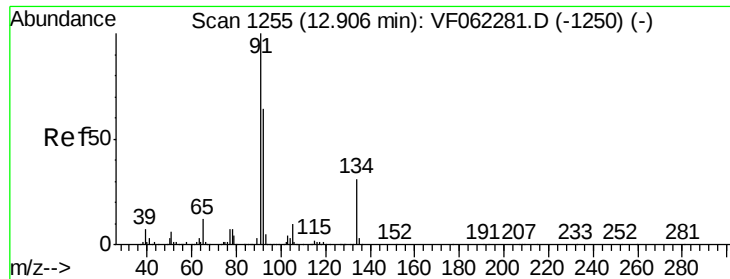
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#88
 1,4-Dichlorobenzene
 Concen: 20.254 ug/l
 RT: 12.63 min Scan# 1227
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	63.9	32.5	97.5





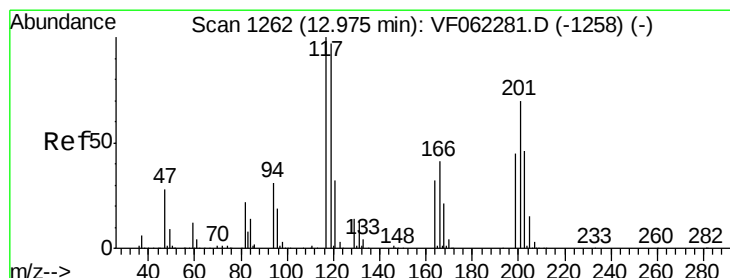
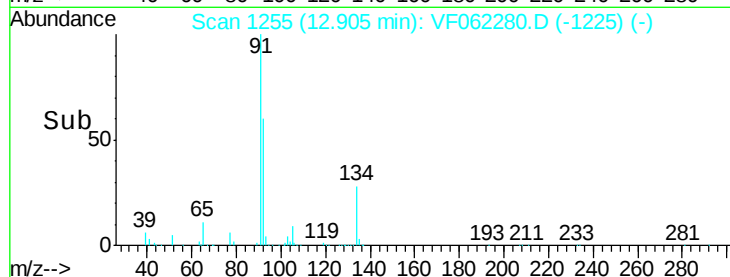
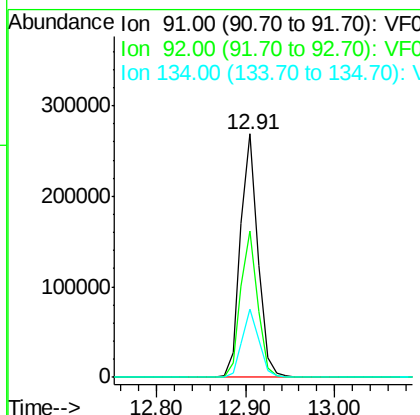
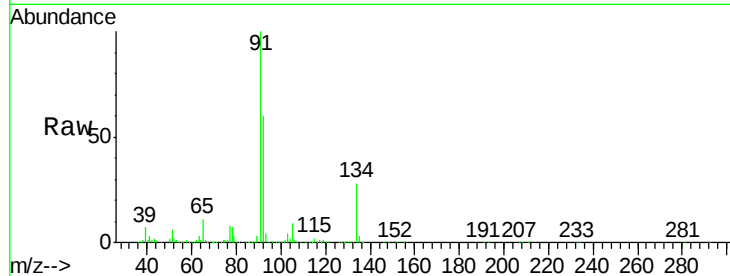
#89
n-Butylbenzene
Concen: 20.355 ug/l
RT: 12.91 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	367214		
92	58.9		31.1	93.3
134	26.9		14.4	43.4

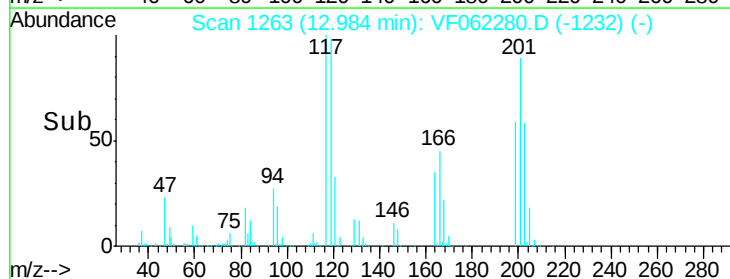
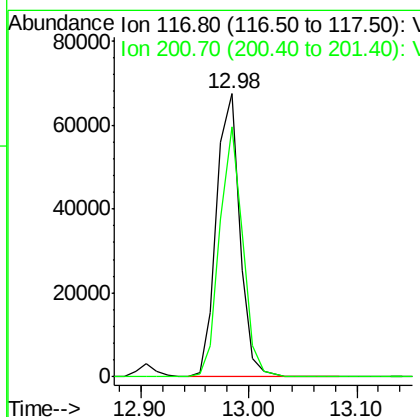
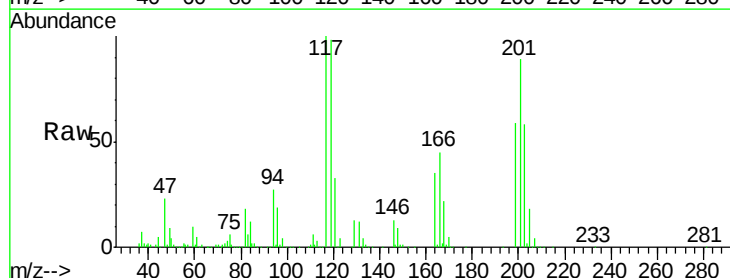
Manual Integrations
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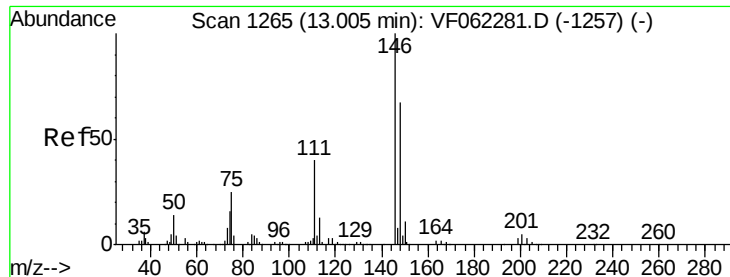
MMDadoda
4/26/2019 9:20:59 AM



#90
Hexachloroethane
Concen: 21.235 ug/l
RT: 12.98 min Scan# 1263
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	101921		
201	86.5		42.9	128.5





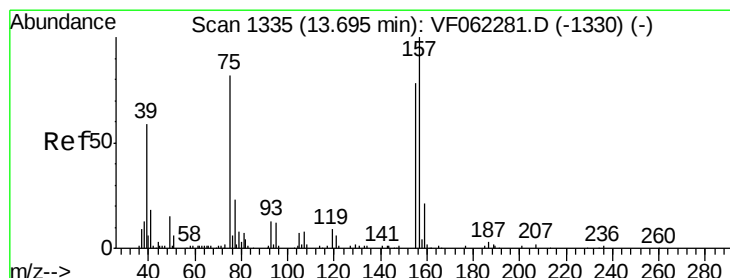
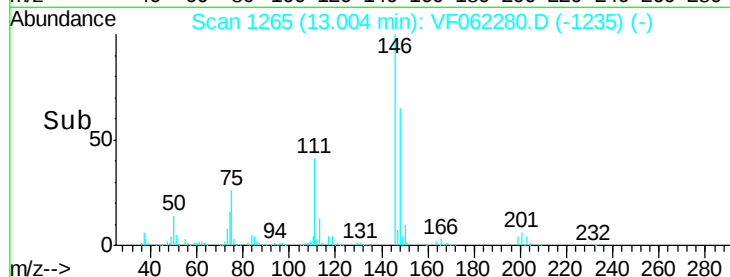
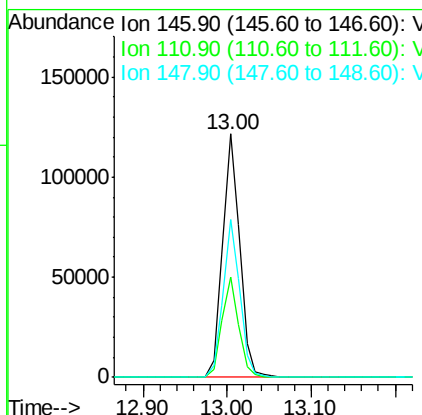
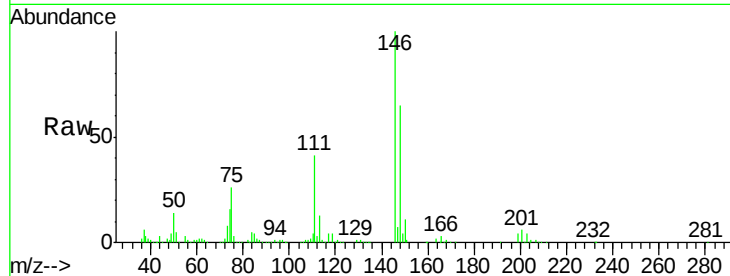
#91
 1,2-Dichlorobenzene
 Concen: 20.545 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.0	59.9
148	63.2	33.1	99.5

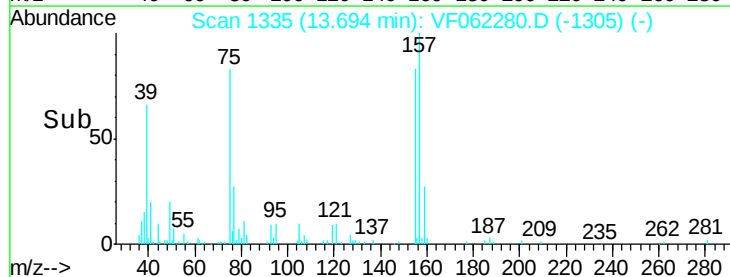
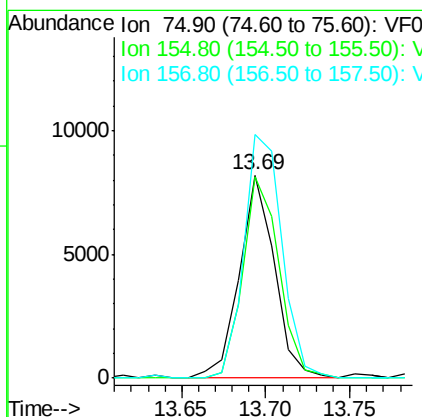
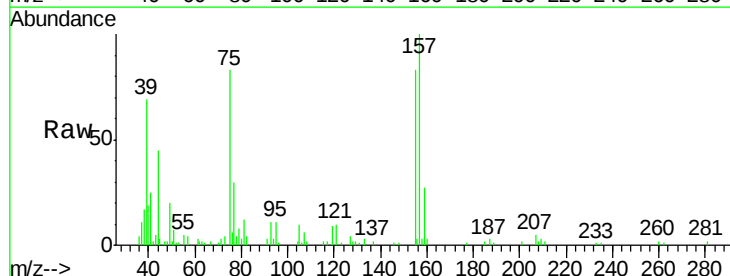
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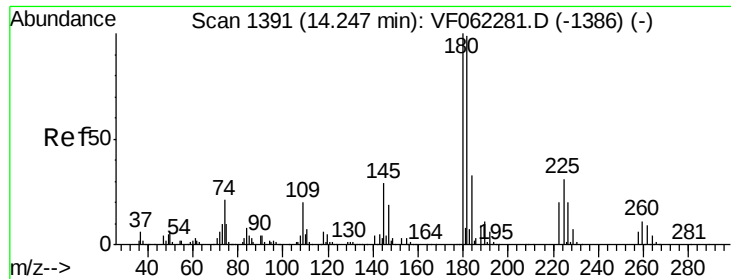
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.650 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	51.7	155.2
157	129.7	64.5	193.5





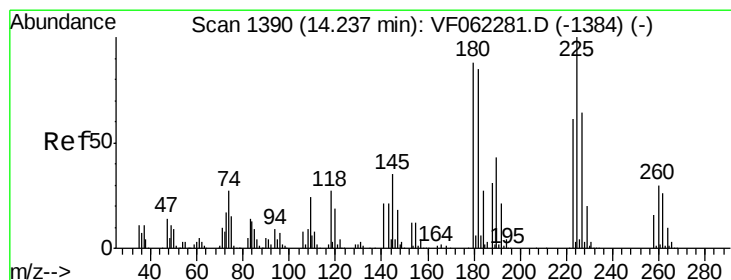
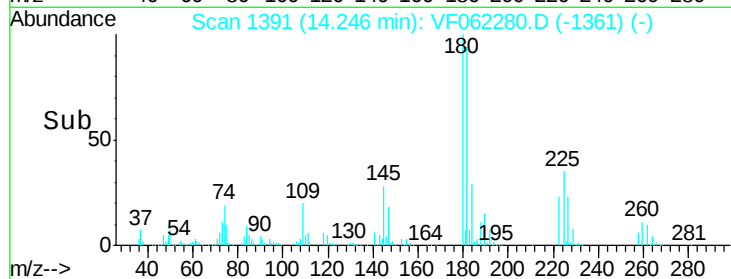
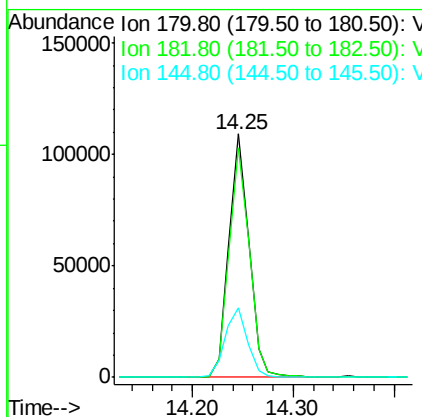
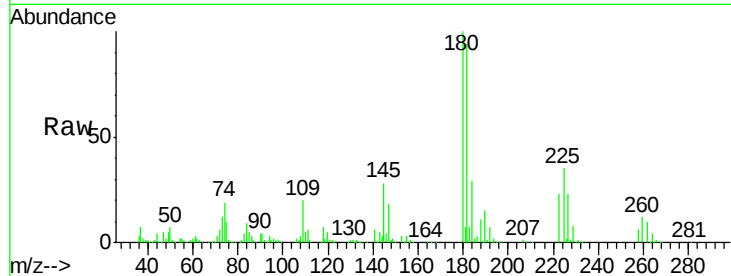
#93
 1,2,4-Trichlorobenzene
 Concen: 20.384 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	152048		
182	95.3	48.5	145.6	
145	31.9	16.7	50.1	

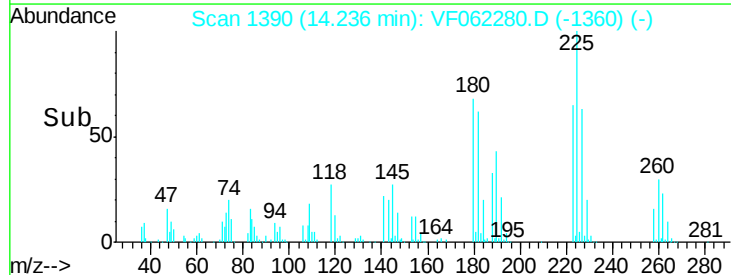
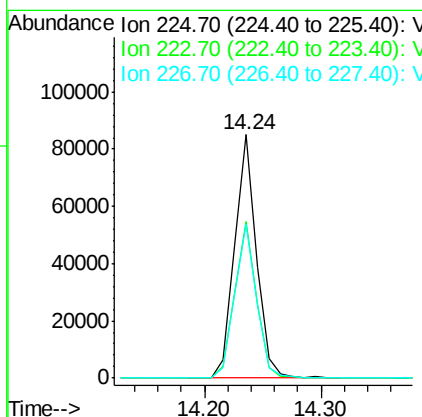
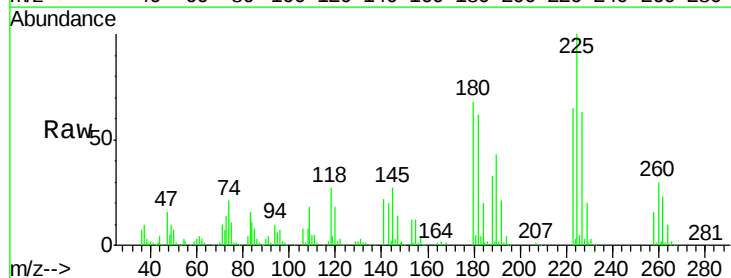
Manual Integrations
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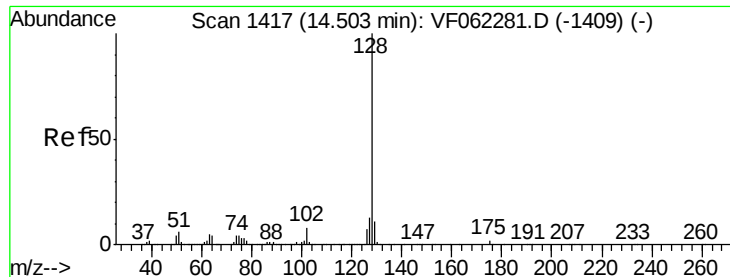
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 4/26/2019 9:20:59 AM



#94
 Hexachlorobutadiene
 Concen: 20.802 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062280.D
 Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110134		
223	64.6	30.8	92.3	
227	63.4	31.9	95.5	





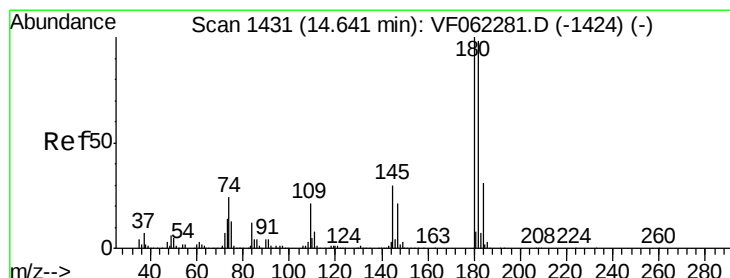
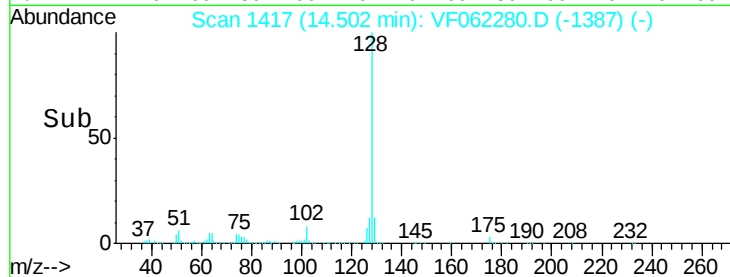
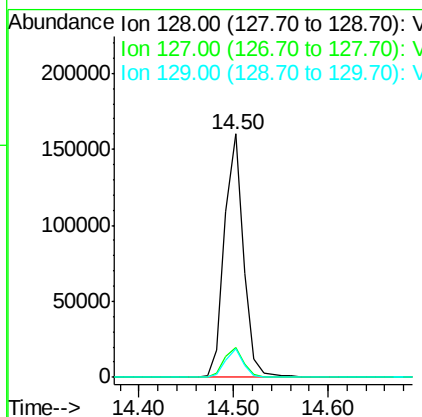
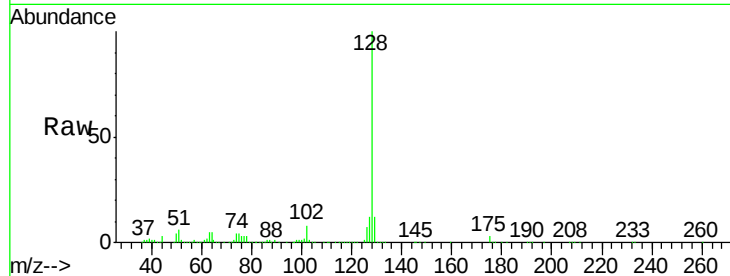
#95
Naphthalene
Concen: 20.180 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	223505		
127	12.5		10.2	15.4
129	11.3		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.585 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062280.D
Acq: 24 Apr 2019 14:45

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141320		
182	96.4		49.0	147.2
145	28.4		14.5	43.5

