

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF042419\
 Data File : VF062279.D
 Acq On : 24 Apr 2019 14:17
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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

Quant Time: Apr 25 08:10:01 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	471851	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.79	114	669248	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	468160	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	284313	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.04	65	36875	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
35) Dibromofluoromethane	4.31	113	49028	9.63	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	19.26%	
50) Toluene-d8	7.72	98	108793	8.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	17.90%	
62) 4-Bromofluorobenzene	11.51	95	48993	9.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.00	85	63794	10.928	ug/l	93
3) Chloromethane	1.15	50	49047	10.032	ug/l	90
4) Vinyl Chloride	1.20	62	50044	10.912	ug/l	96
5) Bromomethane	1.38	94	31847	10.288	ug/l	91
6) Chloroethane	1.45	64	19919	9.912	ug/l	90
7) Trichlorofluoromethane	1.56	101	78438	10.842	ug/l #	81
8) Diethyl Ether	1.72	74	13132	10.100	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.93	101	51345	11.322	ug/l	98
10) Methyl Iodide	1.99	142	82621m	10.467	ug/l	
11) Tert butyl alcohol	2.71	59	10946	48.048	ug/l #	79
12) 1,1-Dichloroethene	1.88	96	43582	10.474	ug/l	97
13) Acrolein	2.10	56	4256m	28.208	ug/l	
14) Allyl chloride	2.20	41	46403	7.397	ug/l #	61
15) Acrylonitrile	3.10	53	32383	49.149	ug/l	95
16) Acetone	2.35	43	44435	51.980	ug/l	96
17) Carbon Disulfide	1.93	76	111264	10.312	ug/l #	88
18) Methyl Acetate	2.47	43	21866	10.316	ug/l	99
19) Methyl tert-butyl Ether	2.56	73	77360	10.090	ug/l	98
20) Methylene Chloride	2.36	84	58262m	10.773	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	40406	10.110	ug/l	90
22) Diisopropyl ether	2.94	45	131202	10.988	ug/l	99
23) Vinyl Acetate	3.35	43	272908	52.754	ug/l	99
24) 1,1-Dichloroethane	3.02	63	70732	10.559	ug/l	99
25) 2-Butanone	4.54	43	68368	50.461	ug/l	100
26) 2,2-Dichloropropane	3.79	77	36228	10.355	ug/l	99
27) cis-1,2-Dichloroethene	3.65	96	54247	10.611	ug/l	96
28) Bromochloromethane	3.92	49	28977	9.892	ug/l #	90
29) Tetrahydrofuran	4.28	42	30564	51.757	ug/l	95
30) Chloroform	4.06	83	88353	10.575	ug/l	95
31) Cyclohexane	3.89	56	66837	10.315	ug/l #	83
32) 1,1,1-Trichloroethane	4.29	97	57982	9.318	ug/l #	71
36) 1,1-Dichloropropene	4.49	75	65493	10.304	ug/l	100
37) Ethyl Acetate	4.31	43	28044	10.745	ug/l #	98
38) Carbon Tetrachloride	4.19	117	58553	9.428	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	76570	10.222	ug/l	97
40) Benzene	4.83	78	158420	10.333	ug/l	99
41) Methacrylonitrile	4.94	41	14223	9.757	ug/l #	88
42) 1,2-Dichloroethane	5.14	62	48956	10.398	ug/l	97
43) Isopropyl Acetate	7.13	43	24957	9.066	ug/l #	97
44) Trichloroethene	5.69	130	55272	10.659	ug/l	97
45) 1,2-Dichloropropane	6.42	63	35423	10.489	ug/l #	89
46) Dibromomethane	6.27	93	24375	9.964	ug/l	95
47) Bromodichloromethane	6.57	83	57200	9.932	ug/l	93
48) Methyl methacrylate	6.88	41	19385	10.263	ug/l	96
49) 1,4-Dioxane	6.88	88	4512	208.720	ug/l #	89
51) 4-Methyl-2-Pentanone	8.41	43	108595	51.560	ug/l	94
52) Toluene	7.79	92	87986	10.006	ug/l	93
53) t-1,3-Dichloropropene	8.43	75	40327	9.615	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	53548	9.832	ug/l	99
55) 1,1,2-Trichloroethane	8.65	97	24847	10.338	ug/l	90
56) Ethyl methacrylate	8.77	69	24475	9.110	ug/l	94
57) 1,3-Dichloropropane	9.01	76	37636	9.957	ug/l	100
58) 2-Chloroethyl Vinyl ether	7.46	63	42577	51.297	ug/l	99
59) 2-Hexanone	9.63	43	75087	36.557	ug/l	100
60) Dibromochloromethane	8.86	129	38416	9.920	ug/l	97
61) 1,2-Dibromoethane	9.14	107	27190	9.708	ug/l	97
64) Tetrachloroethene	8.31	164	41604	10.339	ug/l	95
65) Chlorobenzene	9.94	112	88327	10.172	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.07	131	44051	10.525	ug/l	95
67) Ethyl Benzene	10.04	91	163171	10.594	ug/l	95
68) m/p-Xylenes	10.26	106	119055	20.934	ug/l	95
69) o-Xylene	10.83	106	65653	10.284	ug/l	100
70) Styrene	10.90	104	94715	10.256	ug/l	99
71) Bromoform	10.89	173	23735	10.449	ug/l #	98
73) Isopropylbenzene	11.22	105	208669	10.280	ug/l	99
74) N-amyl acetate	11.46	43	45634	9.902	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.77	83	31727	10.452	ug/l	94
76) 1,2,3-Trichloropropane	11.87	75	22491	10.268	ug/l #	100
77) Bromobenzene	11.59	156	49144	10.039	ug/l	99
78) n-propylbenzene	11.67	91	221437	10.483	ug/l	96
79) 2-Chlorotoluene	11.80	91	130322	10.381	ug/l	98
80) 1,3,5-Trimethylbenzene	11.90	105	176040	10.365	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.95	75	10457m	8.221	ug/l	
82) 4-Chlorotoluene	11.98	91	126412	10.161	ug/l	98
83) tert-Butylbenzene	12.21	119	184918	10.385	ug/l	98
84) 1,2,4-Trimethylbenzene	12.28	105	176718	10.581	ug/l	98
85) sec-Butylbenzene	12.37	105	226692	10.255	ug/l	100
86) p-Isopropyltoluene	12.52	119	204164	10.376	ug/l	98
87) 1,3-Dichlorobenzene	12.54	146	92800	10.418	ug/l	98
88) 1,4-Dichlorobenzene	12.63	146	86389	10.342	ug/l	98
89) n-Butylbenzene	12.91	91	196336	10.700	ug/l	93
90) Hexachloroethane	12.98	117	52389	10.731	ug/l	92
91) 1,2-Dichlorobenzene	13.00	146	90149	10.528	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.69	75	6050	9.805	ug/l	97

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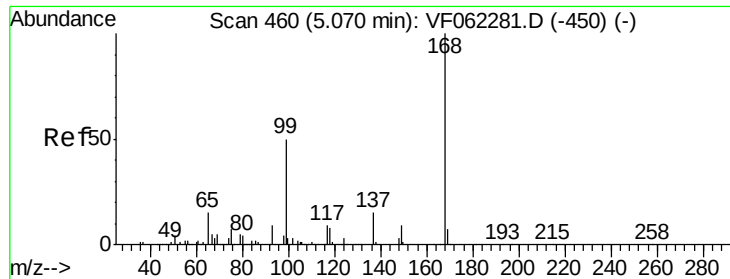
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.25	180	78454	10.341	ug/l	99
94) Hexachlorobutadiene	14.24	225	55465	10.300	ug/l	98
95) Naphthalene	14.50	128	112087	9.950	ug/l	99
96) 1,2,3-Trichlorobenzene	14.65	180	73868	10.578	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.07 min Scan# 460

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 471851

Ion Ratio Lower Upper

168 100

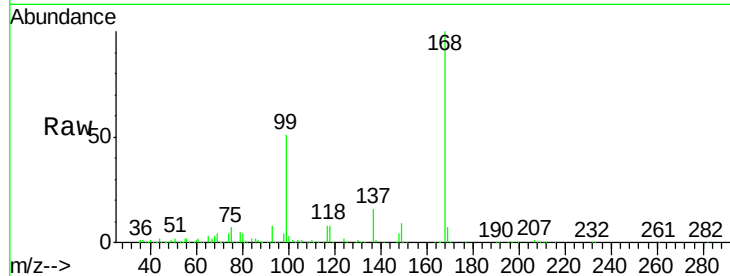
99 51.5 40.0 60.0

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

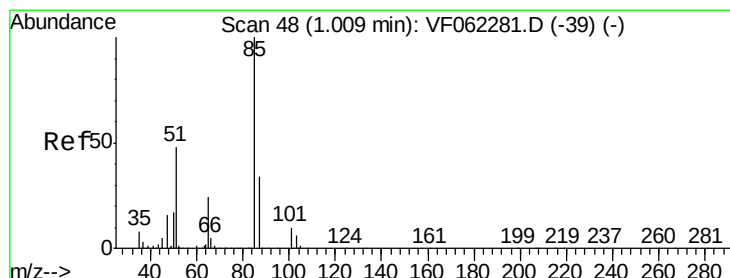
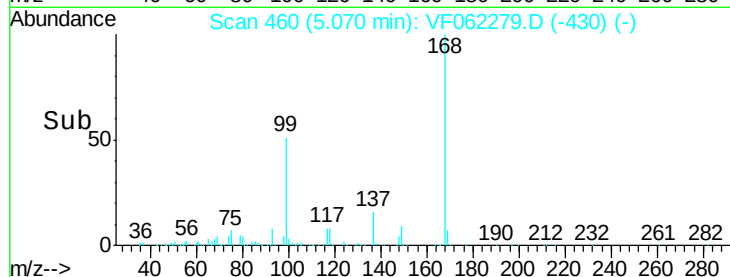
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 10.928 ug/l

RT: 1.00 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF062279.D

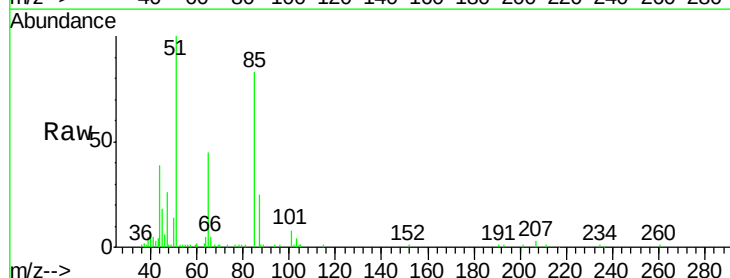
Acq: 24 Apr 2019 14:17

Tgt Ion: 85 Resp: 63794

Ion Ratio Lower Upper

85 100

87 29.9 17.1 51.3



Abundance Ion 84.90 (84.60 to 85.60): VF0

Ion 86.90 (86.60 to 87.60): VF0

20000

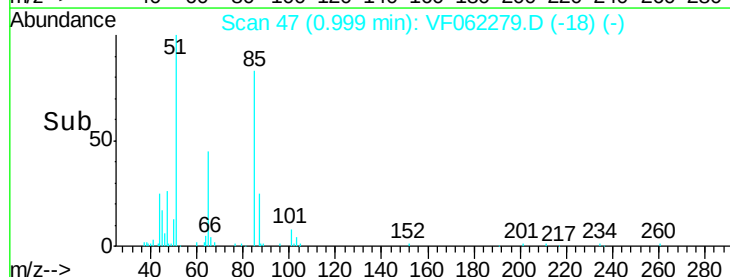
15000

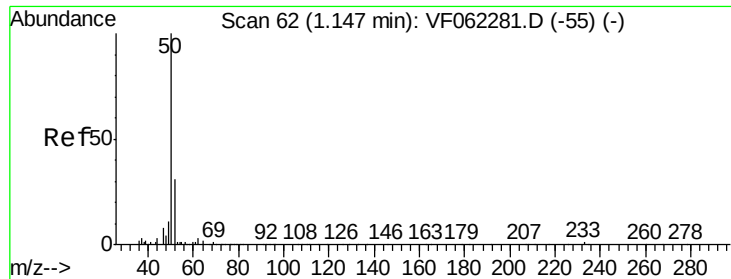
10000

5000

0

Time-->





#3

Chloromethane

Concen: 10.032 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 49047

Ion Ratio Lower Upper

50 100

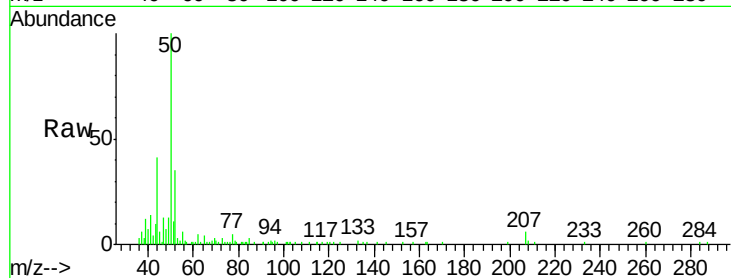
52 35.5 24.2 36.4

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Abundance Ion 49.90 (49.60 to 50.60): VF0

Ion 51.90 (51.60 to 52.60): VF0

1.15

15000

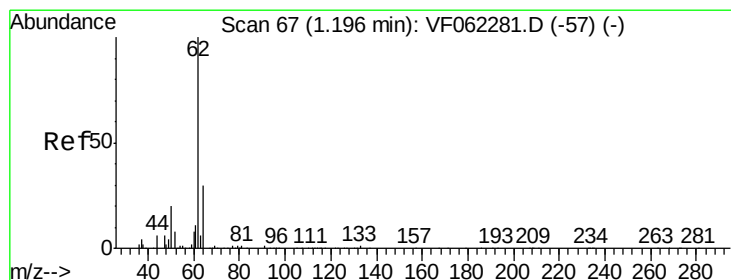
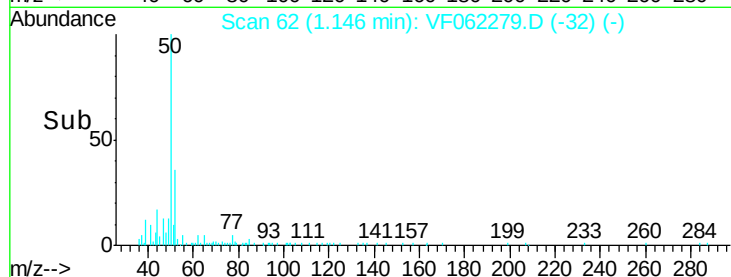
10000

5000

0

Time-->

1.00 1.10 1.20 1.30



#4

Vinyl Chloride

Concen: 10.912 ug/l

RT: 1.20 min Scan# 67

Delta R.T. -0.00 min

Lab File: VF062279.D

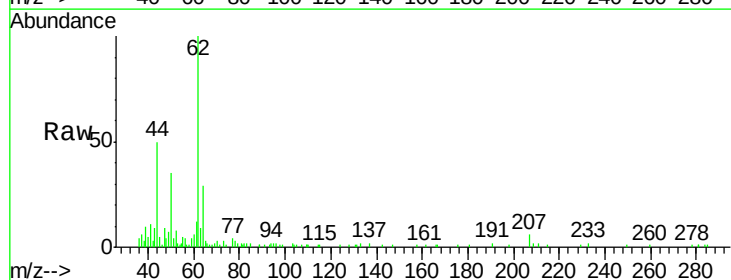
Acq: 24 Apr 2019 14:17

Tgt Ion: 62 Resp: 50044

Ion Ratio Lower Upper

62 100

64 28.4 24.3 36.5



Abundance Ion 61.90 (61.60 to 62.60): VF0

Ion 63.90 (63.60 to 64.60): VF0

1.20

15000

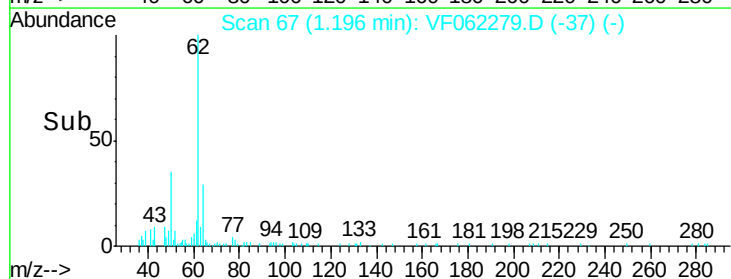
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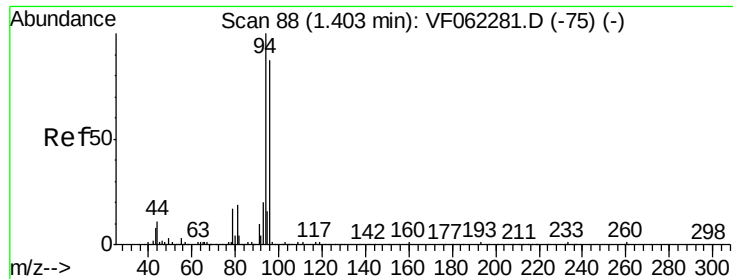
5000

0

Time-->

1.00 1.20 1.40





#5

Bromomethane

Concen: 10.288 ug/l

RT: 1.38 min Scan# 86

Delta R.T. -0.02 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 31847

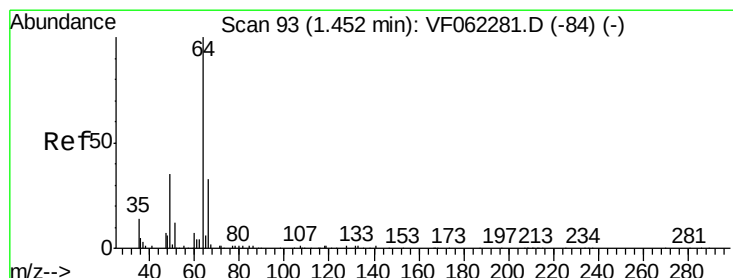
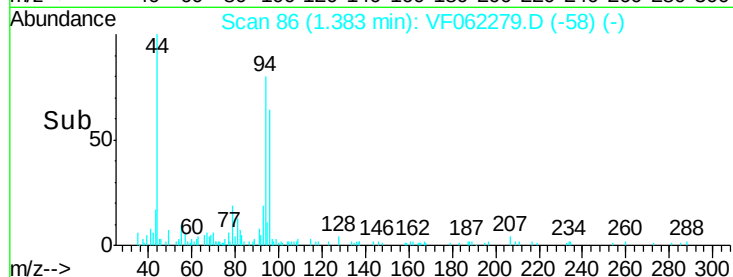
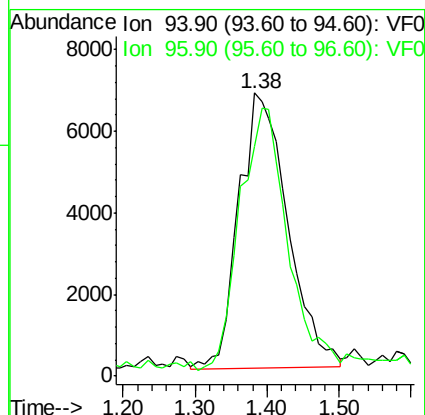
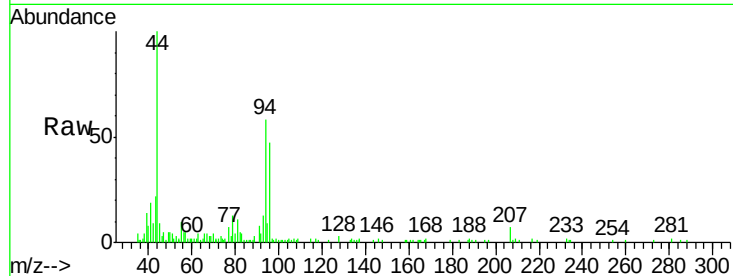
Ion Ratio Lower Upper

94 100

96 78.8 69.5 104.3

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#6

Chloroethane

Concen: 9.912 ug/l

RT: 1.45 min Scan# 93

Delta R.T. -0.00 min

Lab File: VF062279.D

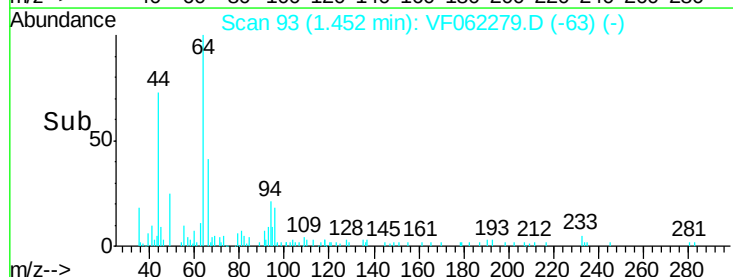
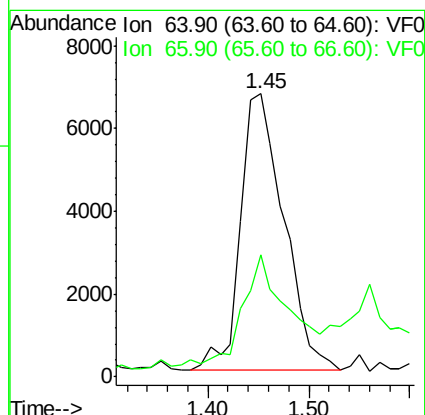
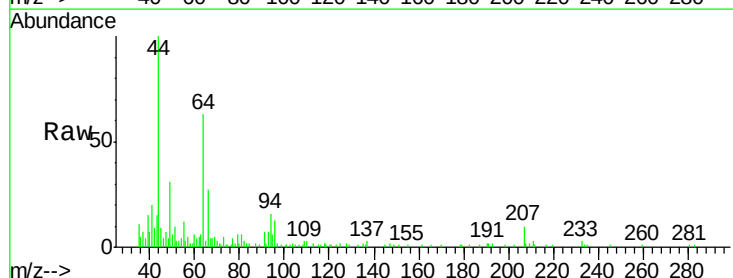
Acq: 24 Apr 2019 14:17

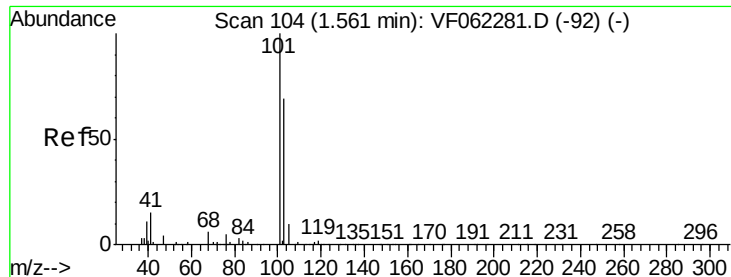
Tgt Ion: 64 Resp: 19919

Ion Ratio Lower Upper

64 100

66 38.0 26.0 39.0





#7

Trichlorofluoromethane

Concen: 10.842 ug/l

RT: 1.56 min Scan# 104

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:101 Resp: 78438

Ion Ratio Lower Upper

101 100

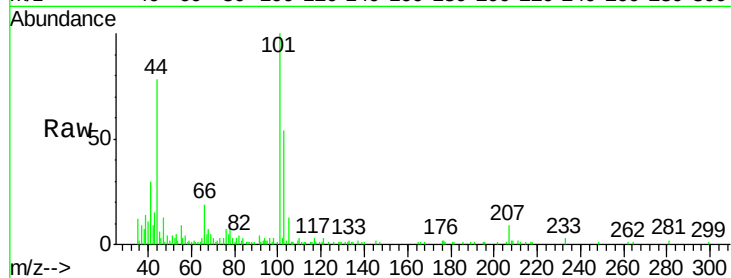
103 53.0 55.0 82.6#

Manual Integrations

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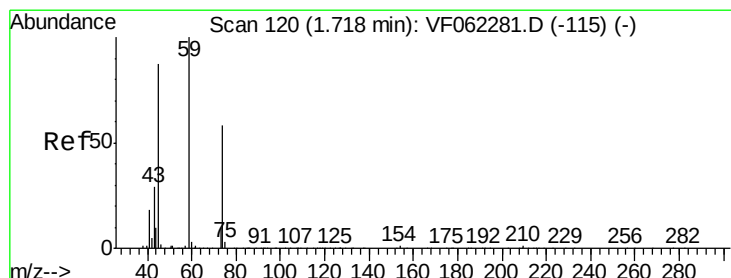
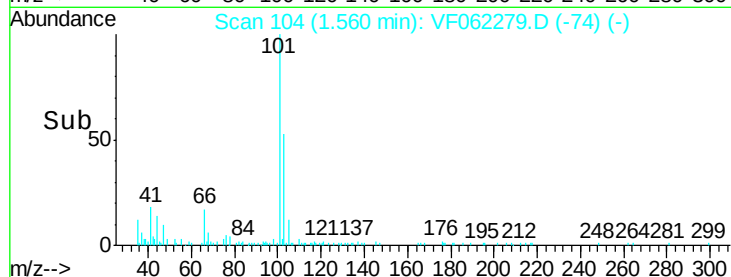
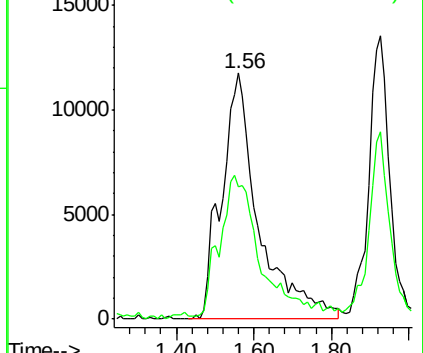
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 10.100 ug/l

RT: 1.72 min Scan# 120

Delta R.T. -0.00 min

Lab File: VF062279.D

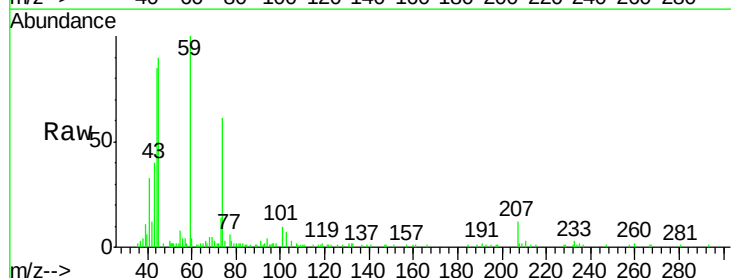
Acq: 24 Apr 2019 14:17

Tgt Ion: 74 Resp: 13132

Ion Ratio Lower Upper

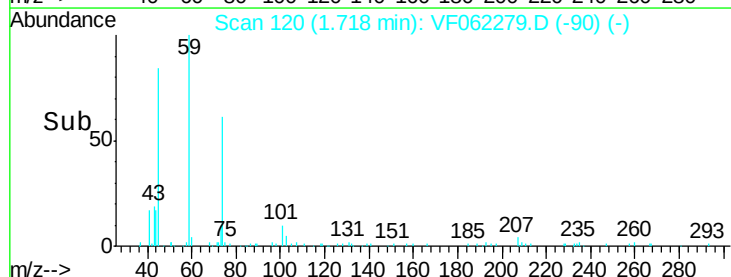
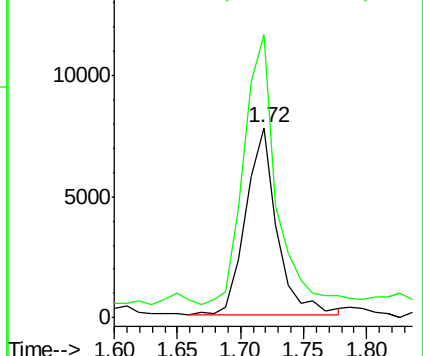
74 100

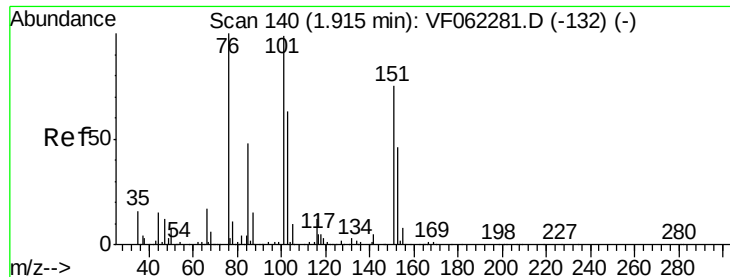
45 151.4 74.0 222.0



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.322 ug/l

RT: 1.93 min Scan# 141

Delta R.T. 0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

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MSVOA_F

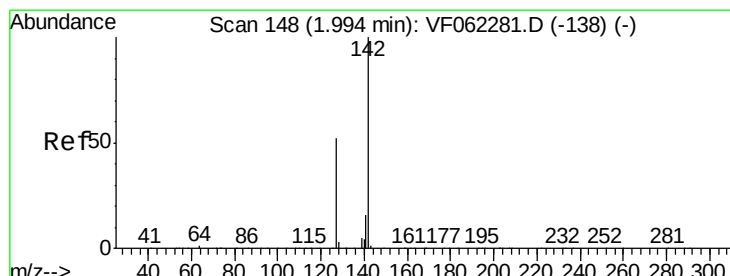
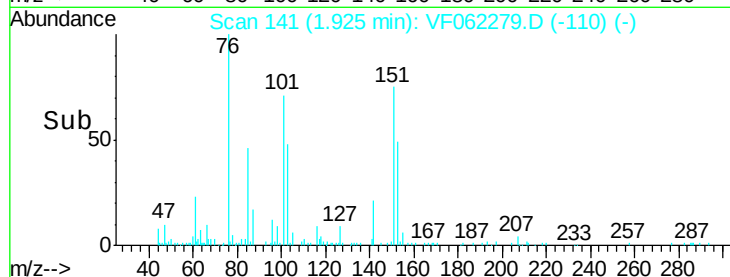
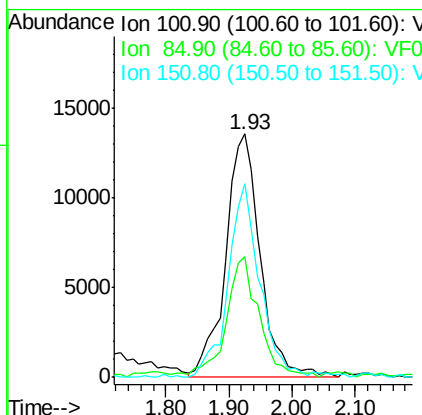
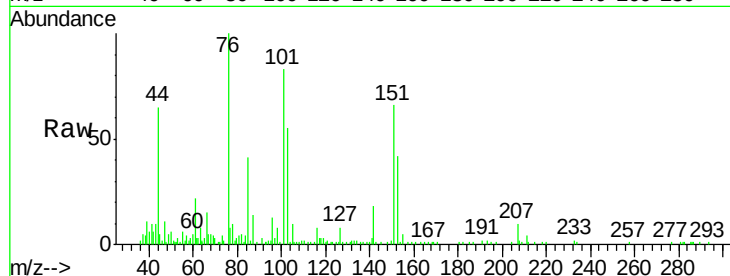
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	51345
Ion Ratio	Lower	Upper	
101	100		
85	47.4	36.5	54.7
151	72.3	59.2	88.8

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#10

Methyl Iodide

Concen: 10.467 ug/l m

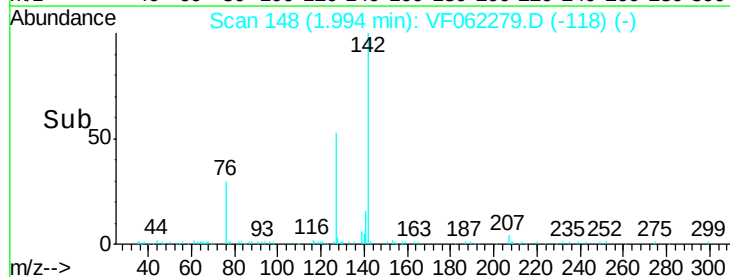
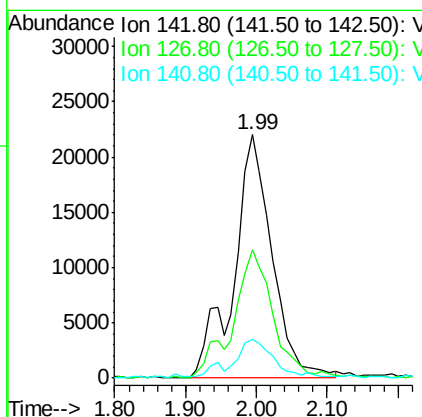
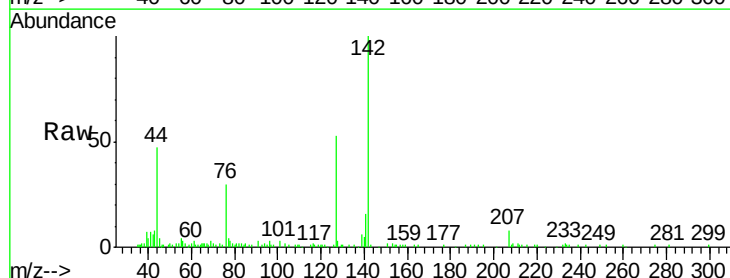
RT: 1.99 min Scan# 148

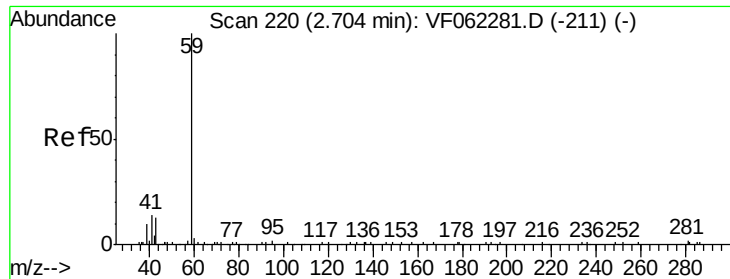
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	142	Resp:	82621
Ion Ratio	Lower	Upper	
142	100		
127	55.4	43.0	64.4
141	14.0	12.3	18.5





#11

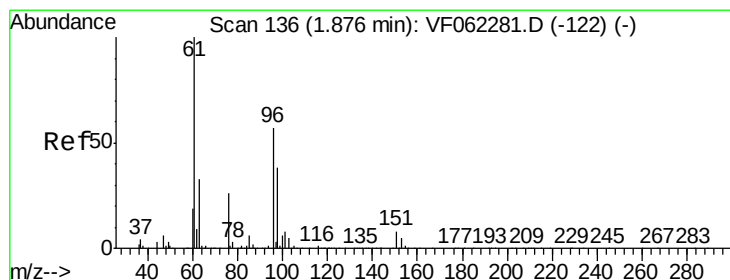
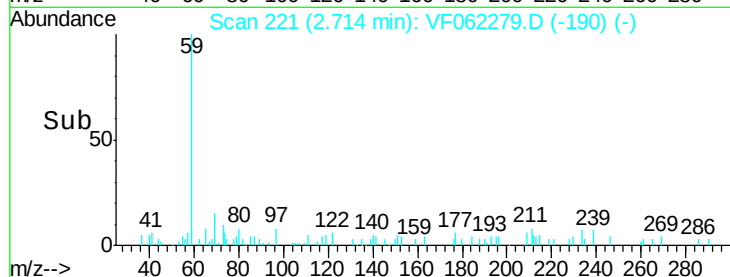
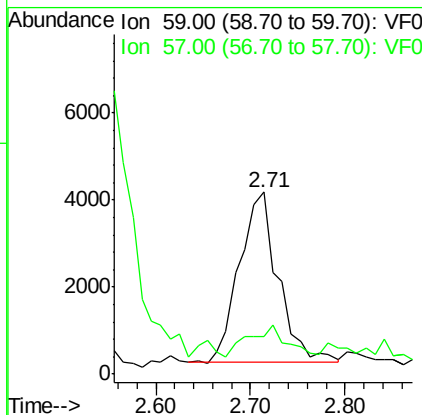
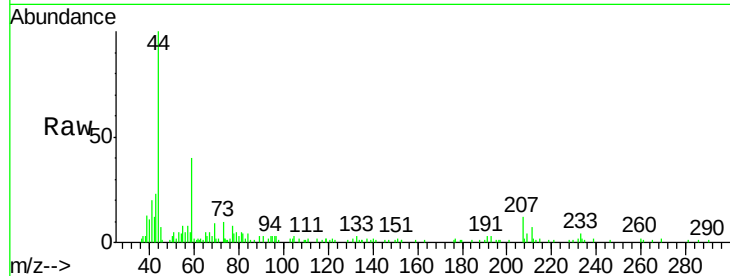
Tert butyl alcohol
Concen: 48.048 ug/l
RT: 2.71 min Scan# 221
Delta R.T. 0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.1	8.8	13.2#

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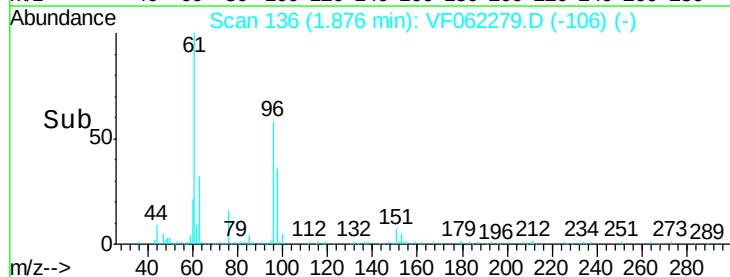
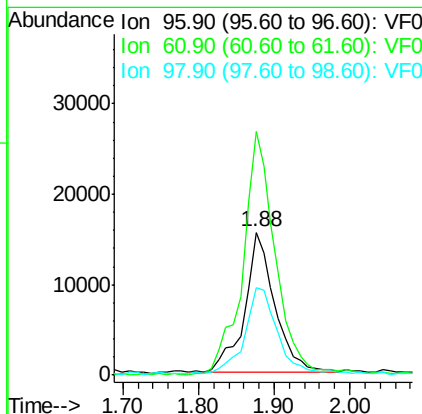
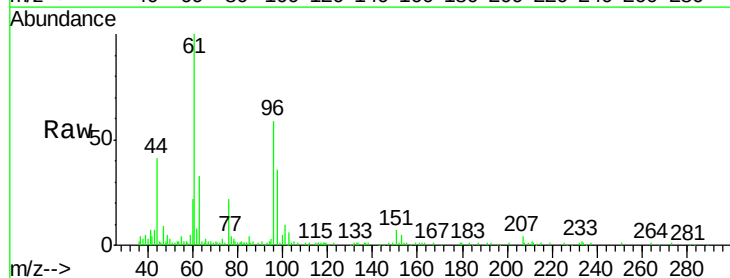
MMDadoda
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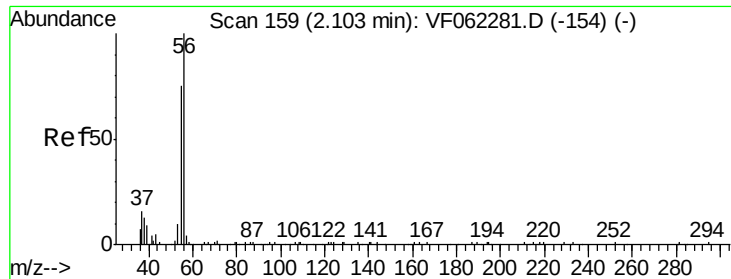


#12

1,1-Dichloroethene
Concen: 10.474 ug/l
RT: 1.88 min Scan# 136
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.9	141.1	211.7
98	61.3	53.4	80.0





#13

Acrolein

Concen: 28.208 ug/l m

RT: 2.10 min Scan# 159

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 4256

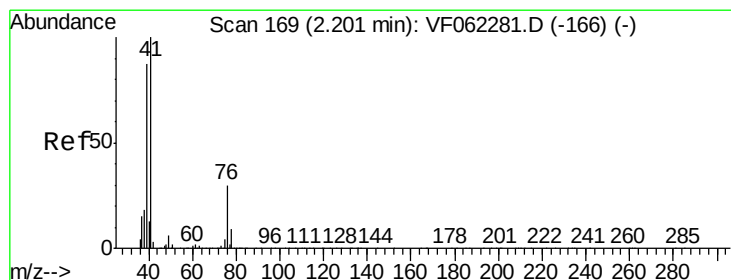
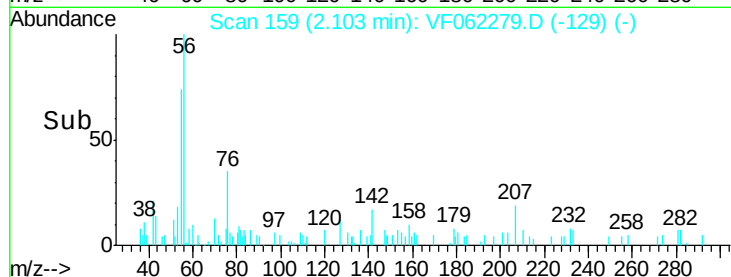
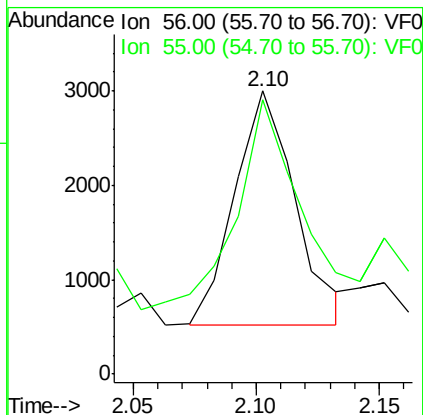
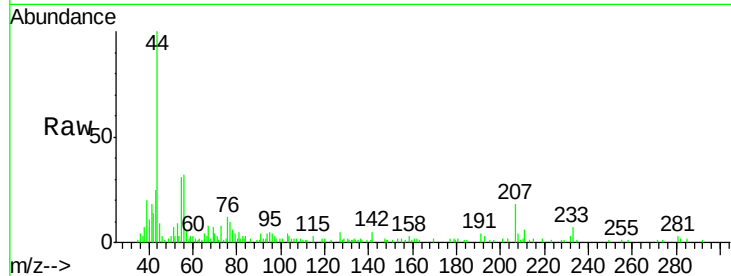
Ion Ratio Lower Upper

56 100

55 84.8 62.3 93.5

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#14

Allyl chloride

Concen: 7.397 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

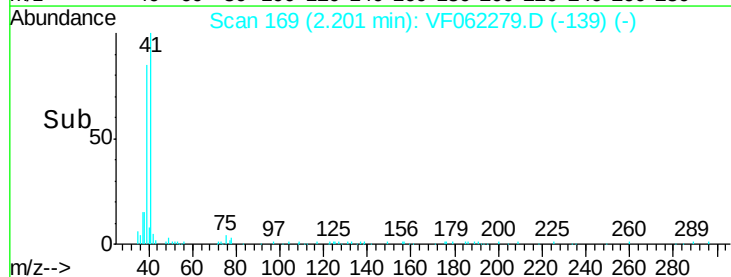
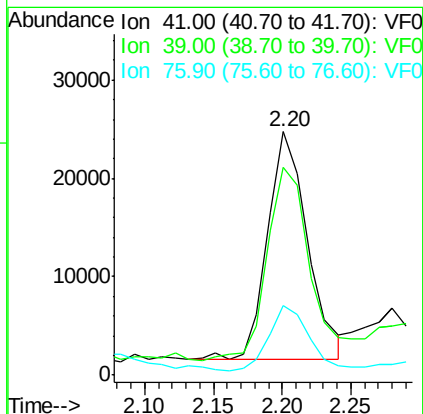
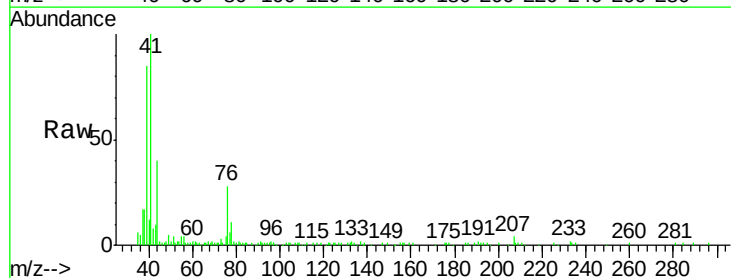
Tgt Ion: 41 Resp: 46403

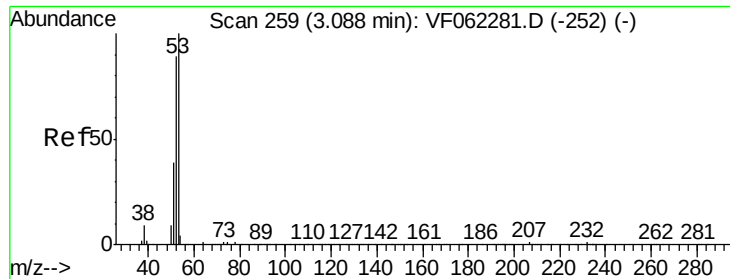
Ion Ratio Lower Upper

41 100

39 96.5 50.3 75.5#

76 29.9 14.8 22.2#





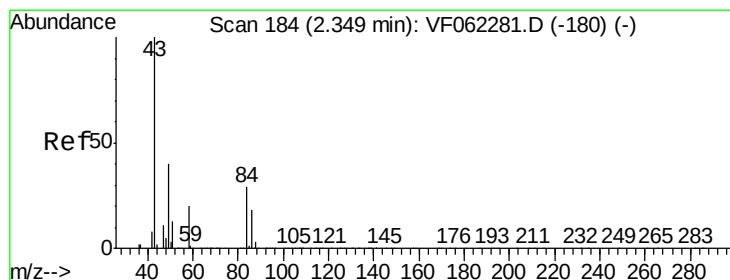
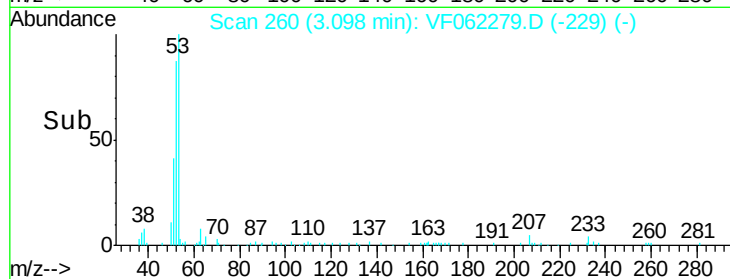
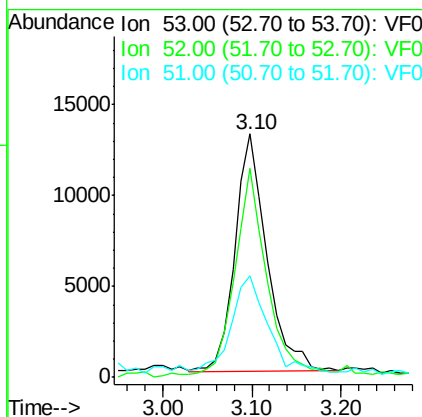
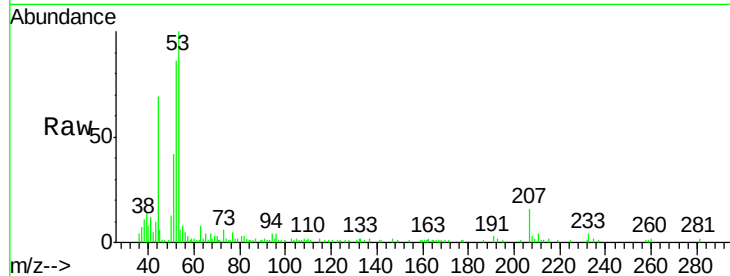
#15
 Acrylonitrile
 Concen: 49.149 ug/l
 RT: 3.10 min Scan# 260
 Delta R.T. 0.01 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion:	53	Resp:	32383
Ion	Ratio	Lower	Upper
53	100		
52	86.1	70.6	105.8
51	47.4	32.6	48.8

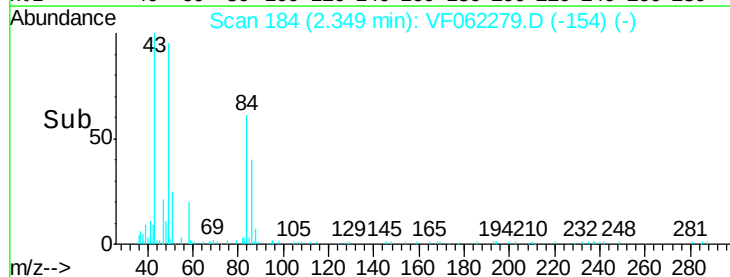
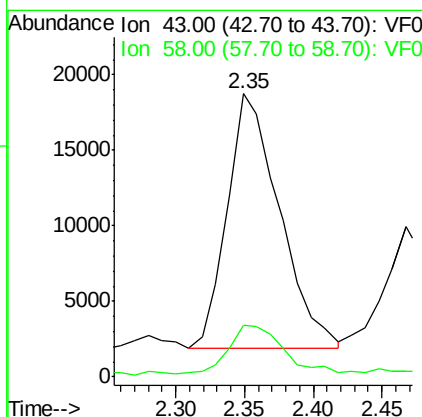
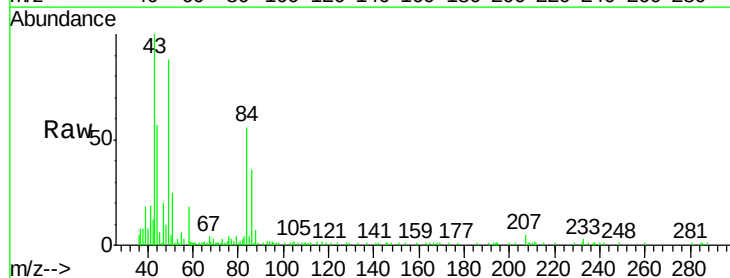
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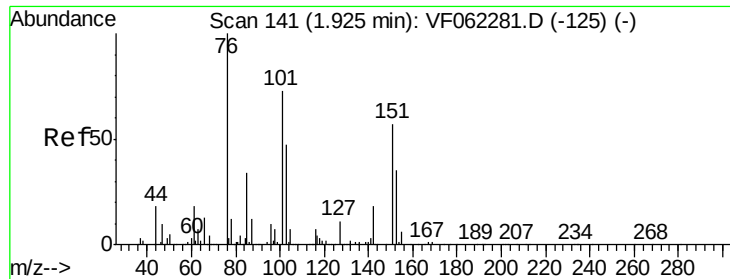
MMDadoda
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#16
 Acetone
 Concen: 51.980 ug/l
 RT: 2.35 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion:	43	Resp:	44435
Ion	Ratio	Lower	Upper
43	100		
58	18.5	16.4	24.6





#17

Carbon Disulfide

Concen: 10.312 ug/l

RT: 1.93 min Scan# 141

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 111264

Ion Ratio Lower Upper

76 100

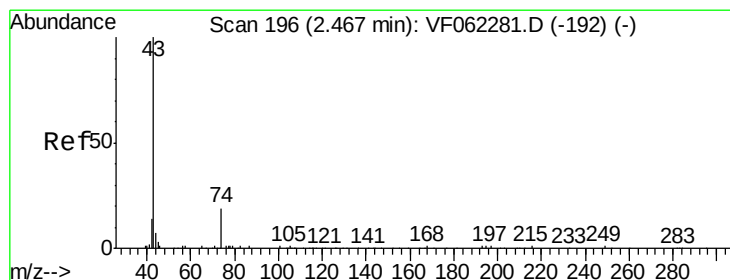
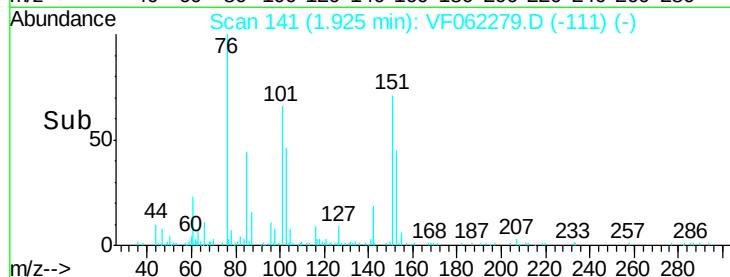
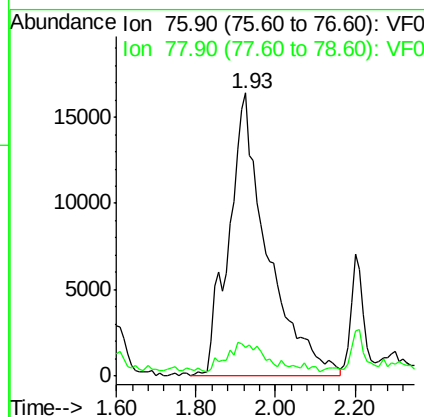
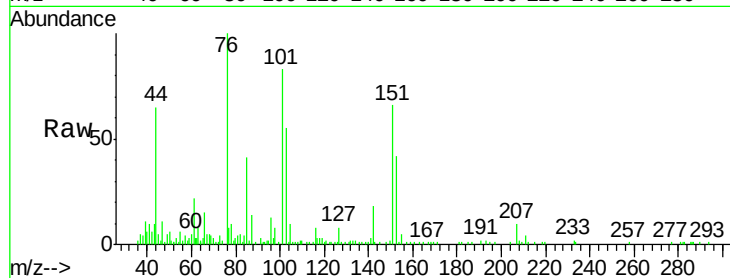
78 7.7 9.8 14.8#

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#18

Methyl Acetate

Concen: 10.316 ug/l

RT: 2.47 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF062279.D

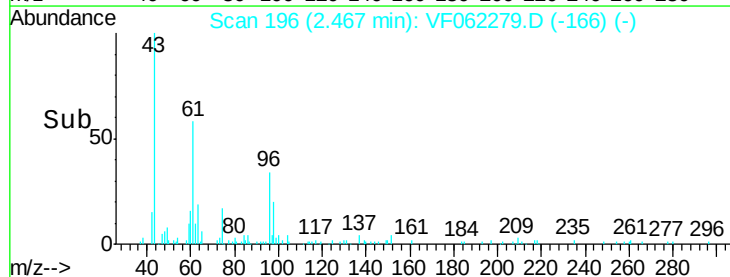
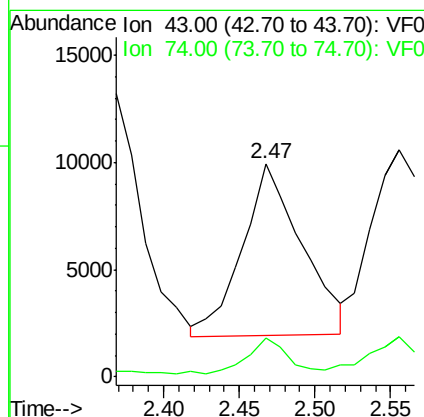
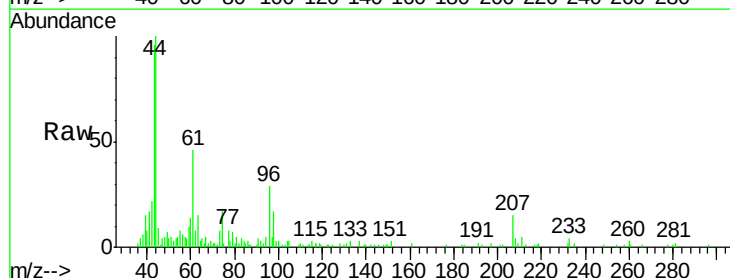
Acq: 24 Apr 2019 14:17

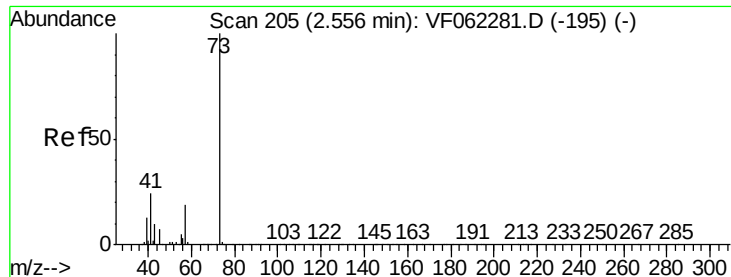
Tgt Ion: 43 Resp: 21866

Ion Ratio Lower Upper

43 100

74 18.3 14.4 21.6





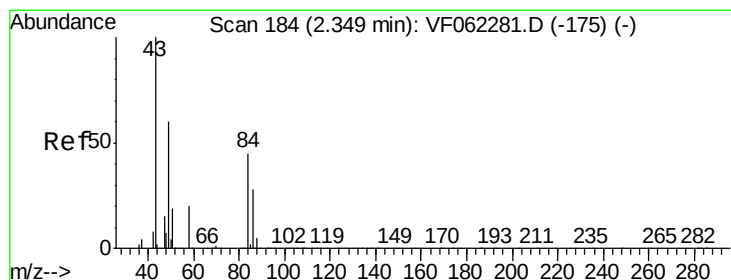
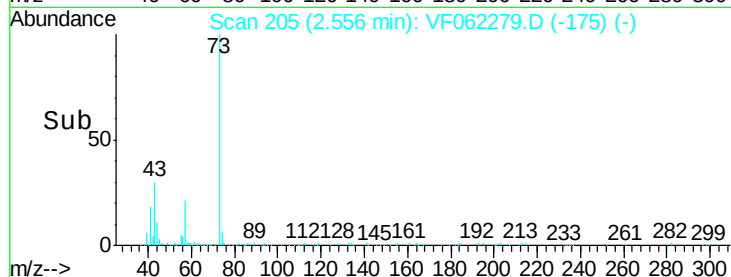
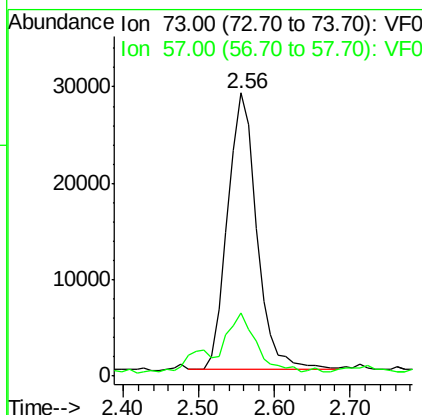
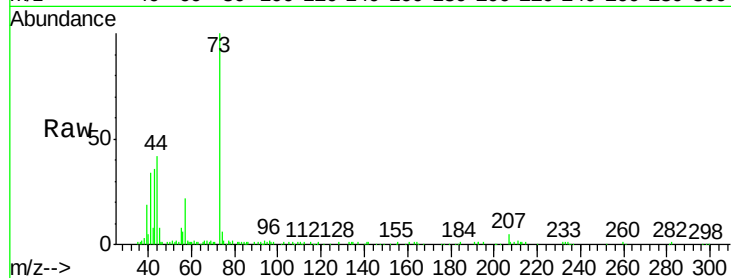
#19
Methyl tert-butyl Ether
Concen: 10.090 ug/l
RT: 2.56 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.1	15.5	23.3

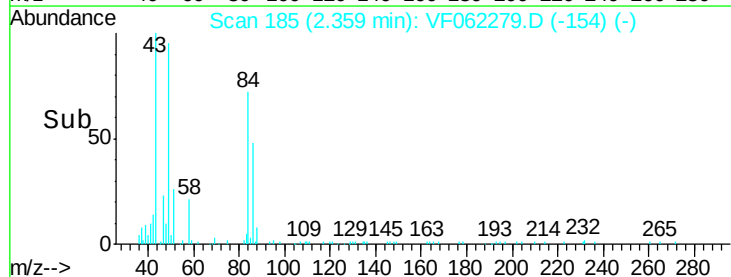
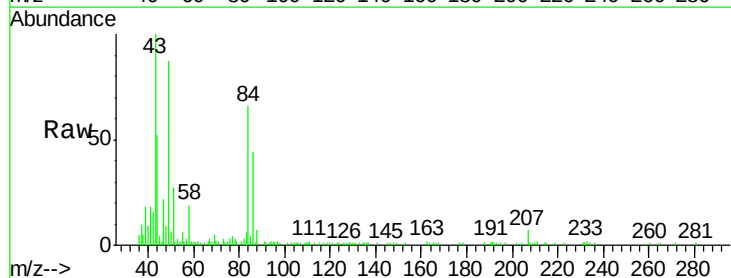
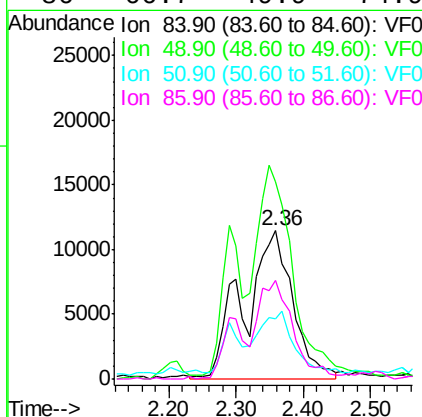
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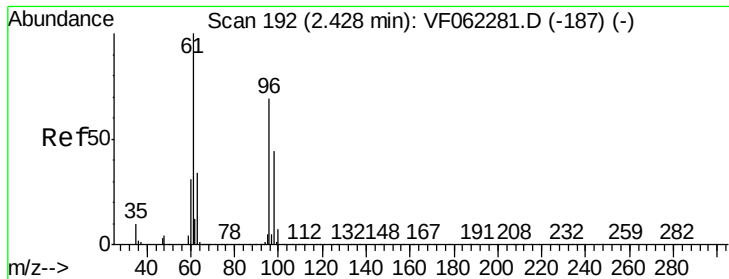
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#20
Methylene Chloride
Concen: 10.773 ug/l m
RT: 2.36 min Scan# 185
Delta R.T. 0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.0	112.1	168.1
51	40.5	35.9	53.9
86	66.7	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 10.110 ug/l

RT: 2.43 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

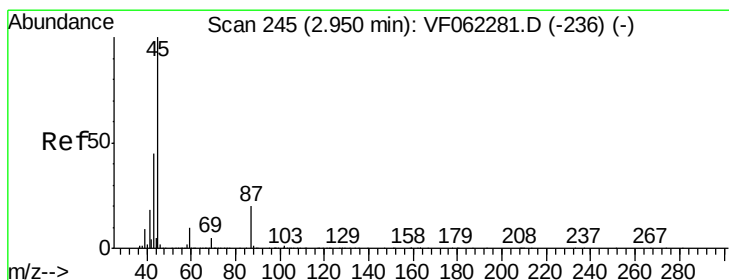
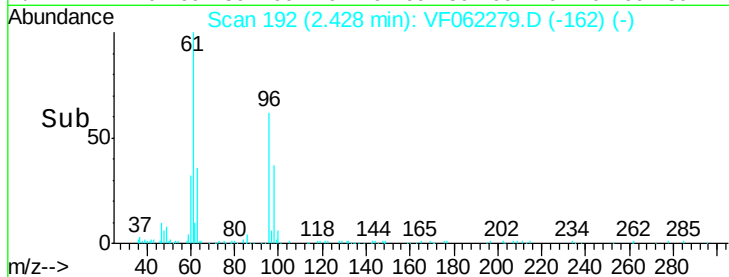
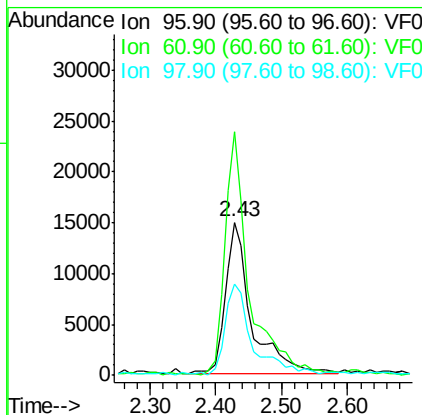
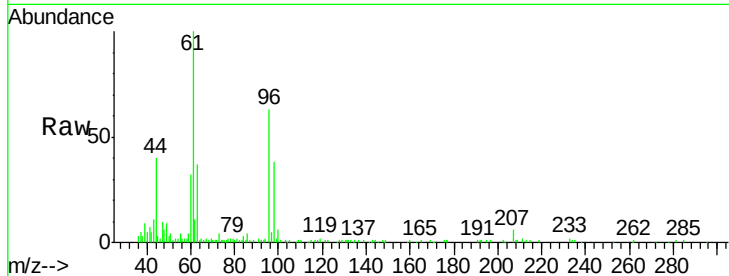
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	40406
Ion	Ratio	Lower	Upper
96	100		
61	160.7	116.2	174.2
98	59.6	51.4	77.0

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#22

Diisopropyl ether

Concen: 10.988 ug/l

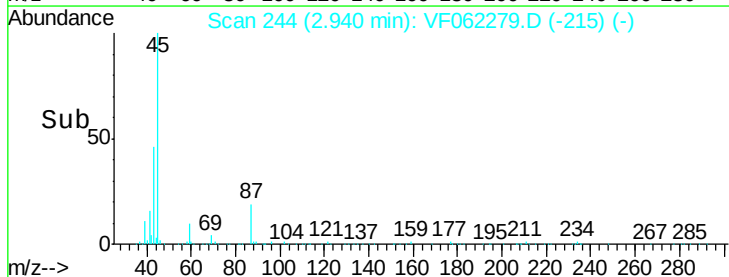
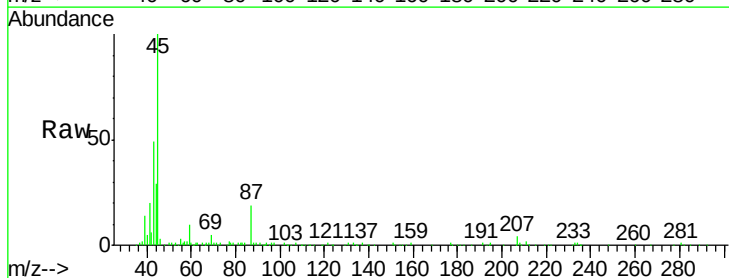
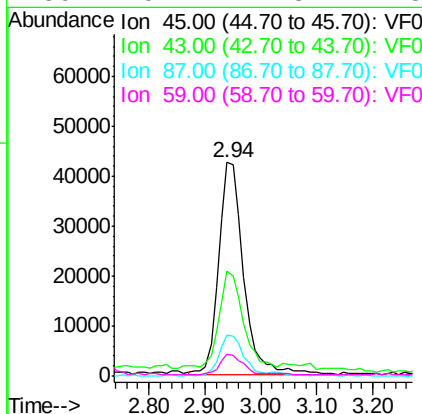
RT: 2.94 min Scan# 244

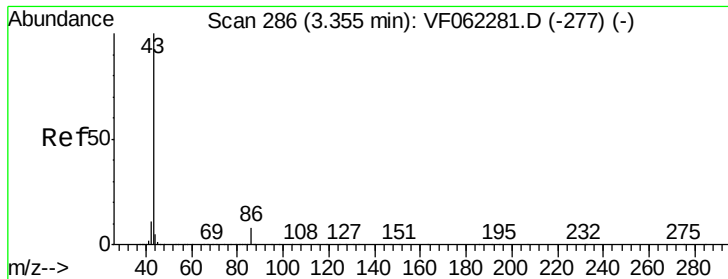
Delta R.T. -0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	45	Resp:	131202
Ion	Ratio	Lower	Upper
45	100		
43	46.1	36.2	54.2
87	18.9	15.8	23.6
59	9.7	7.8	11.8





#23

Vinyl Acetate

Concen: 52.754 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 272908

Ion Ratio Lower Upper

43 100

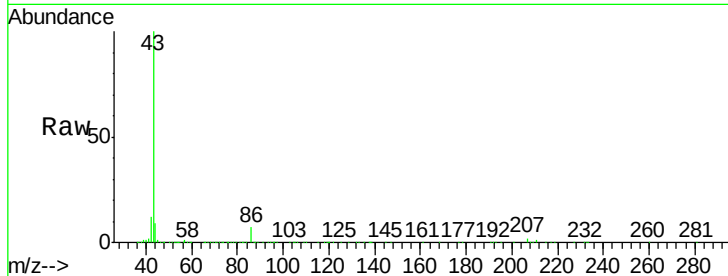
86 7.1 6.0 9.0

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.35

120000

100000

80000

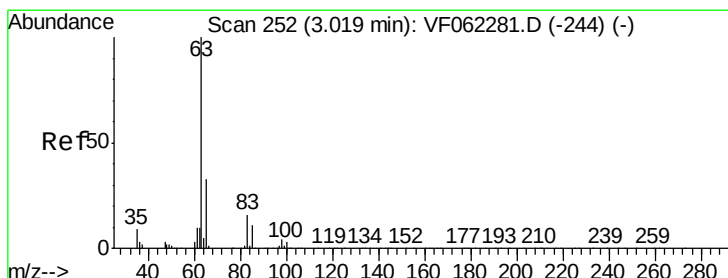
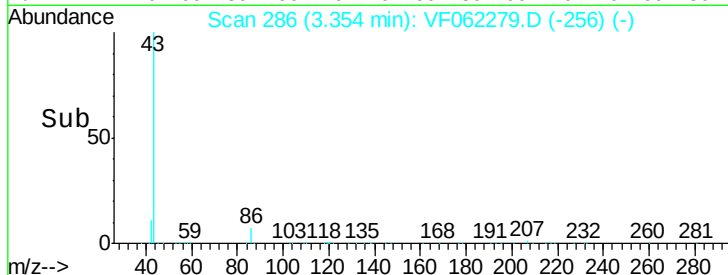
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 10.559 ug/l

RT: 3.02 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

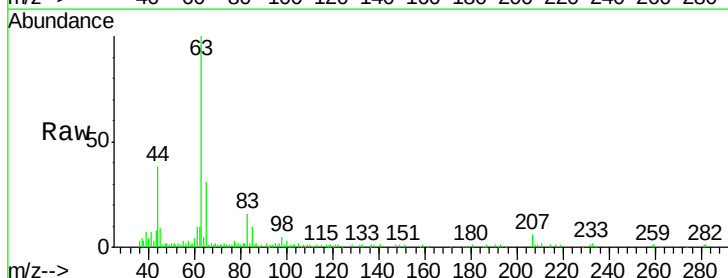
Tgt Ion: 63 Resp: 70732

Ion Ratio Lower Upper

63 100

98 4.2 2.1 6.2

100 3.5 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 97.90 (97.60 to 98.60): VF0

Ion 99.90 (99.60 to 100.60): VF0

3.02

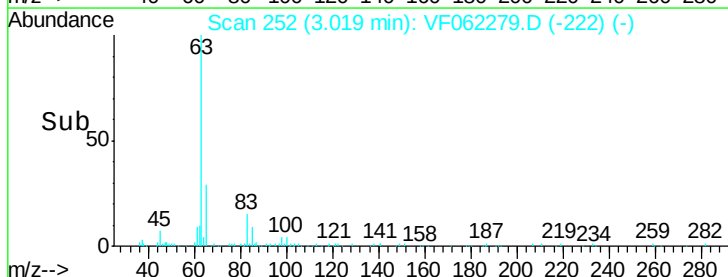
30000

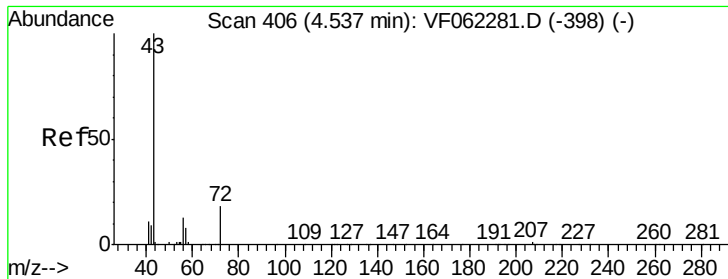
20000

10000

0

Time-->





#25

2-Butanone

Concen: 50.461 ug/l

RT: 4.54 min Scan# 406

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 68368

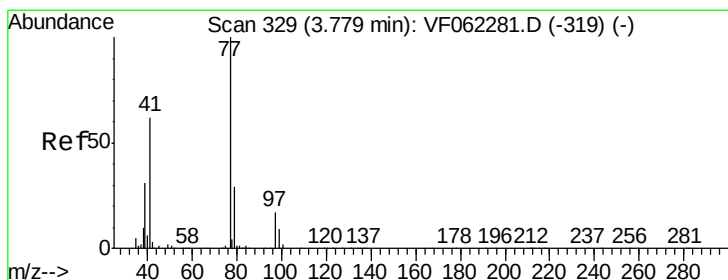
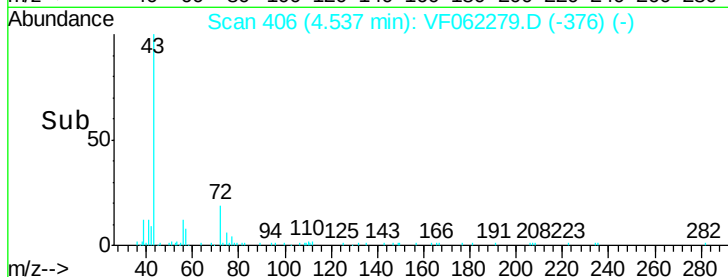
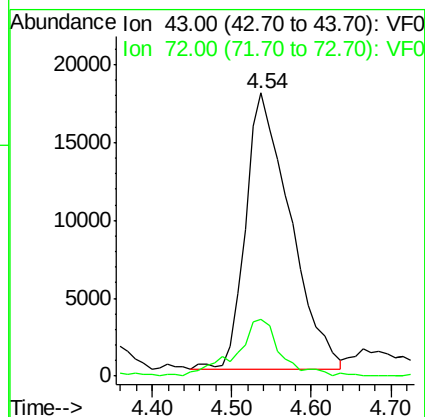
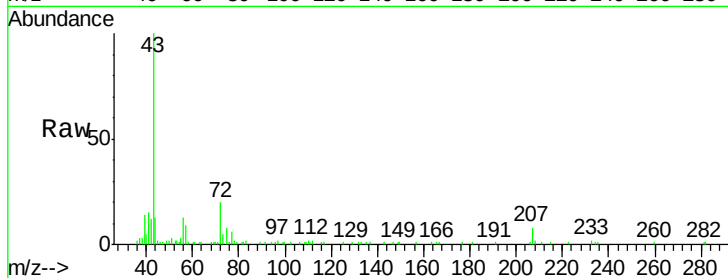
Ion Ratio Lower Upper

43 100

72 19.6 15.8 23.6

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 10.355 ug/l

RT: 3.79 min Scan# 330

Delta R.T. 0.01 min

Lab File: VF062279.D

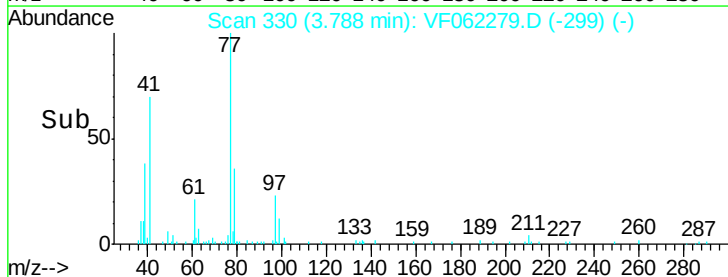
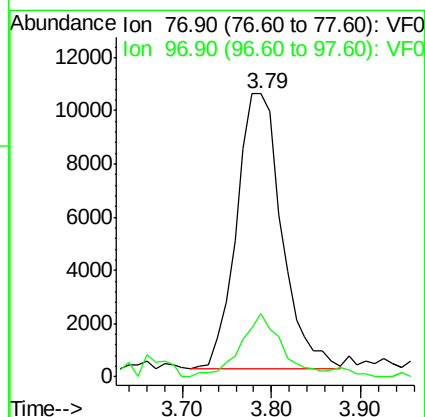
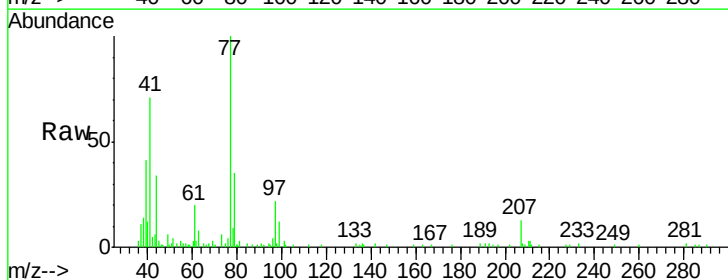
Acq: 24 Apr 2019 14:17

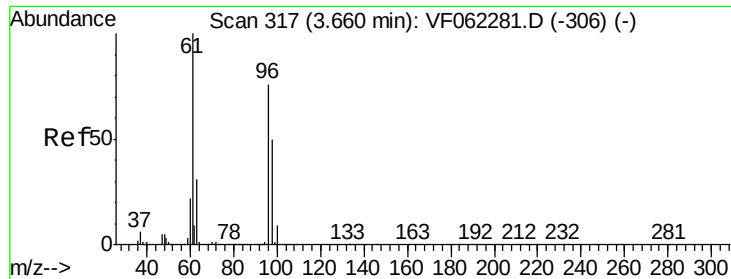
Tgt Ion: 77 Resp: 36228

Ion Ratio Lower Upper

77 100

97 21.1 10.3 30.8





#27

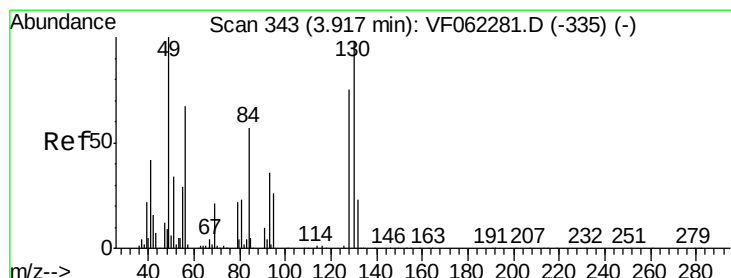
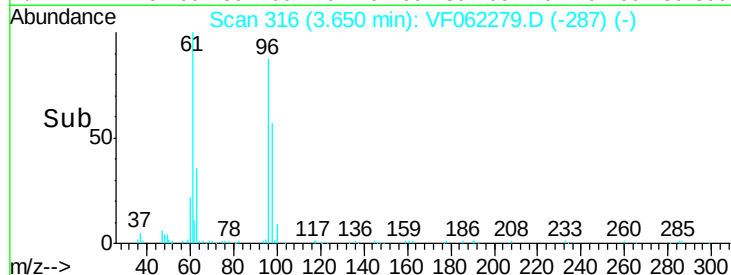
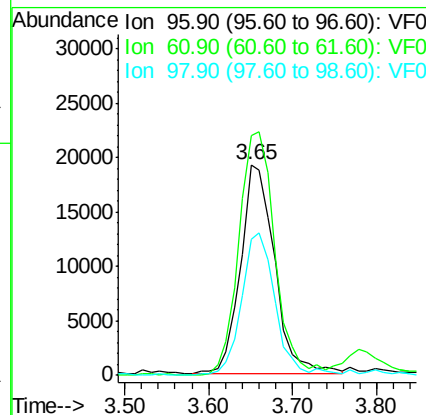
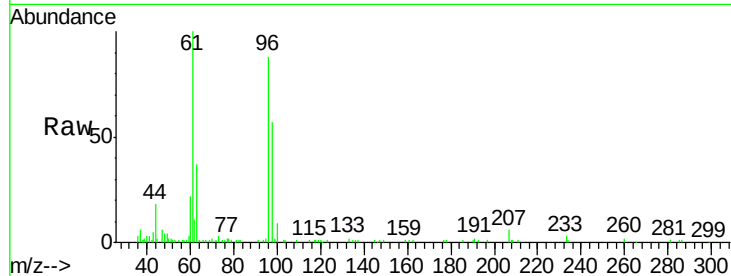
cis-1,2-Dichloroethene
Concen: 10.611 ug/l
RT: 3.65 min Scan# 316
Delta R.T. -0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
96	100	54247		
61	123.3		0.0	257.6
98	66.0		0.0	137.4

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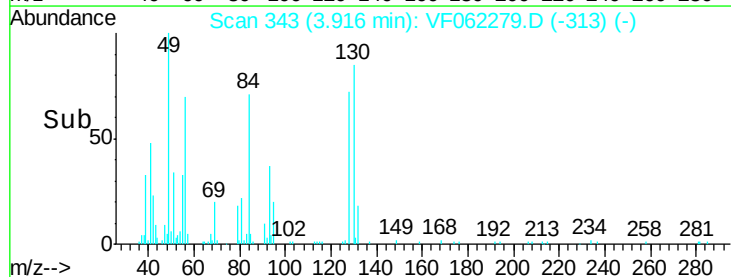
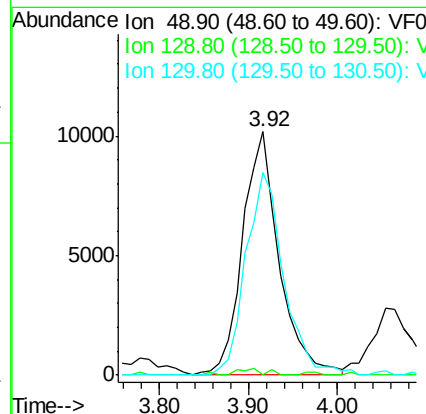
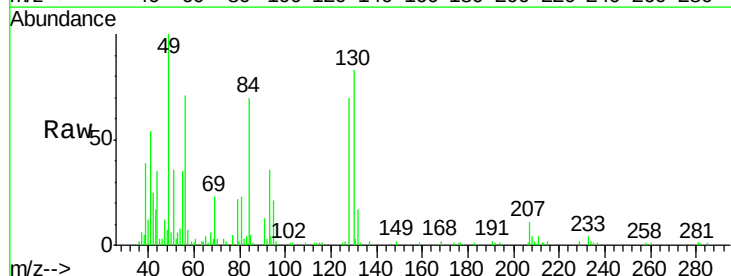
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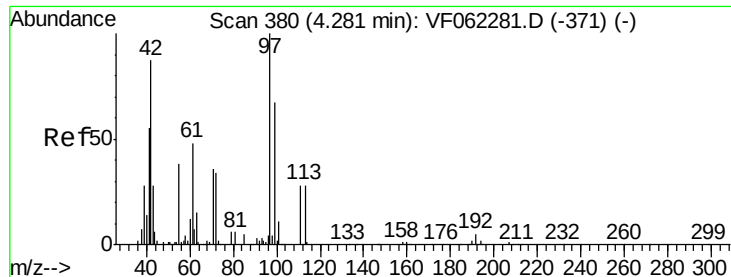


#28

Bromochloromethane
Concen: 9.892 ug/l
RT: 3.92 min Scan# 343
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28977		
129	1.8		0.0	0.0#
130	86.2		77.0	115.4





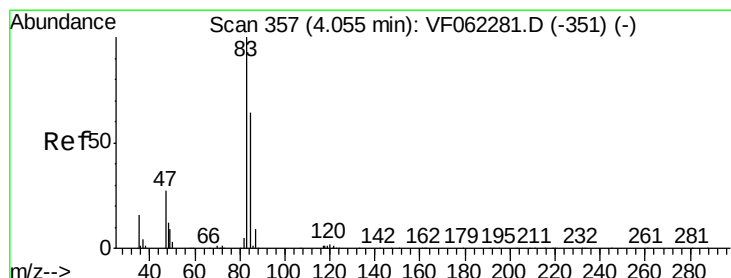
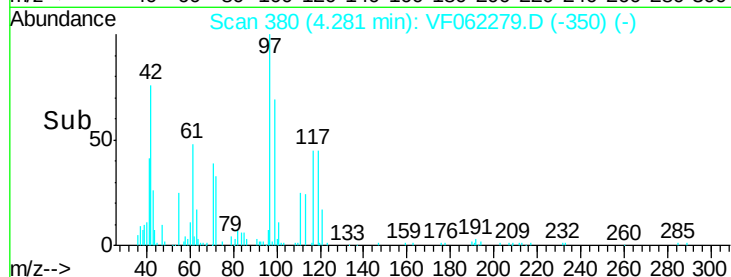
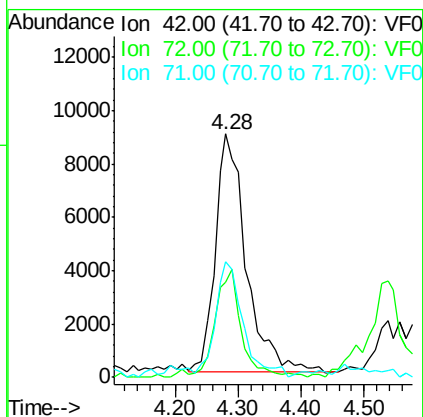
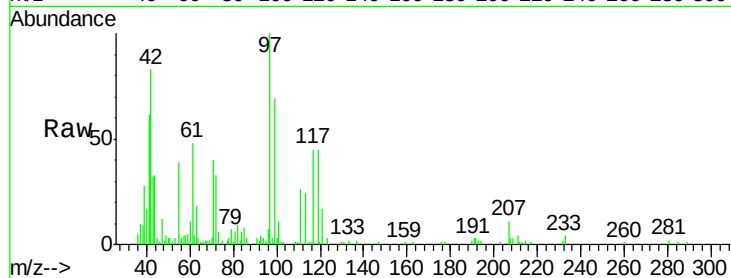
#29
Tetrahydrofuran
Concen: 51.757 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	29.3	43.9
71	43.5	31.2	46.8

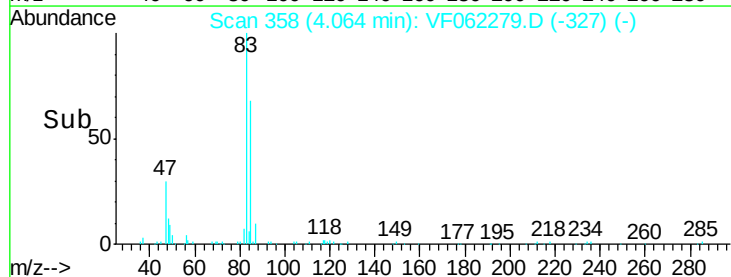
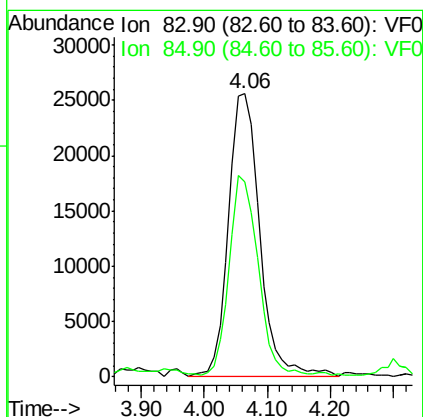
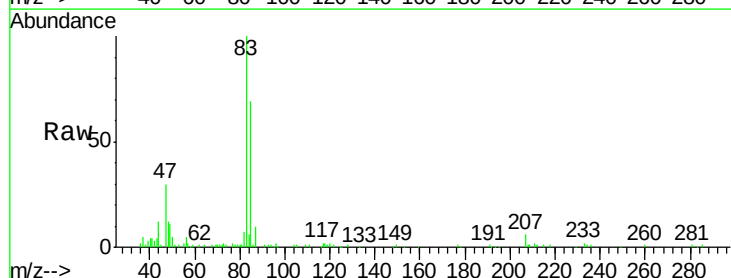
Manual Integrations
APPROVED

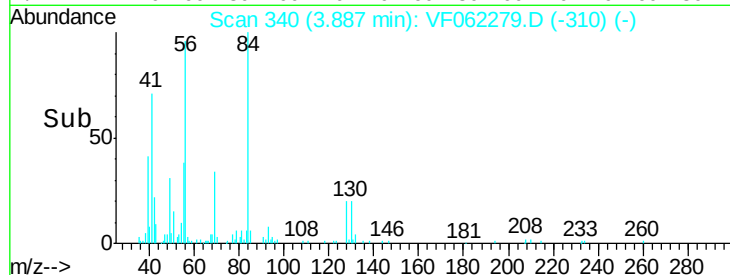
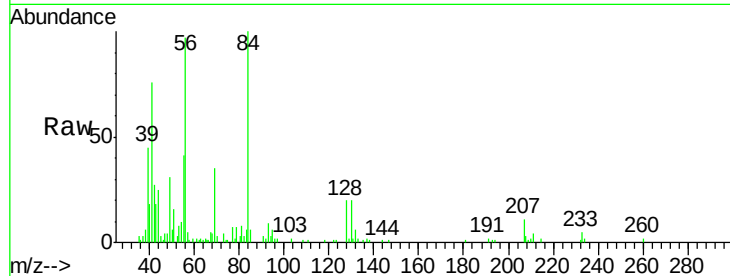
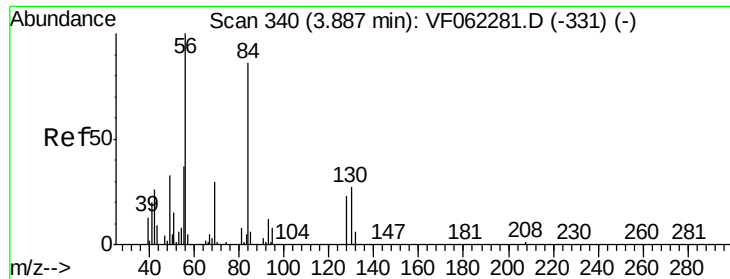
MMDadoda
4/26/2019 9:20:59 AM



#30
Chloroform
Concen: 10.575 ug/l
RT: 4.06 min Scan# 358
Delta R.T. 0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.0	51.1	76.7





#31

Cyclohexane

Concen: 10.315 ug/l

RT: 3.89 min Scan# 340

Delta R.T. -0.00 min

Lab File: VF062279.D

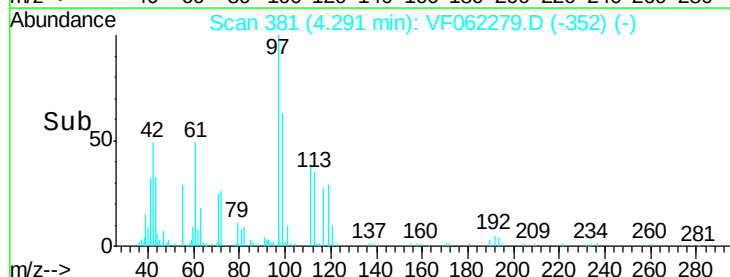
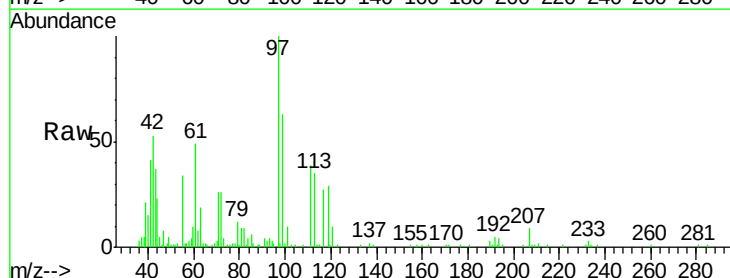
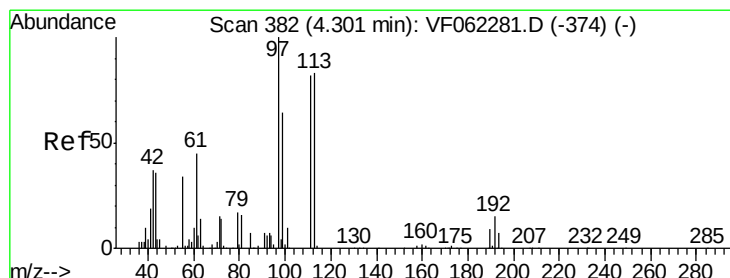
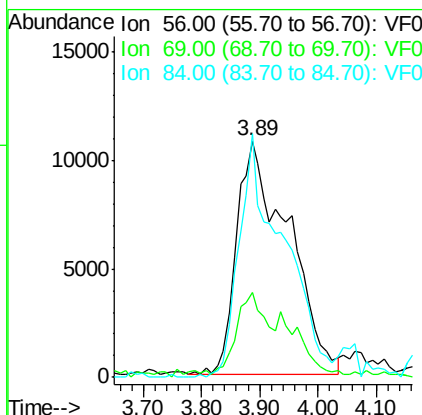
Acq: 24 Apr 2019 14:17

Tot Ion	56	Resp	66837
Ion Ratio	Lower	Upper	
56	100		
69	34.2	24.3	36.5
84	104.4	68.5	102.7#

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 9.318 ug/l

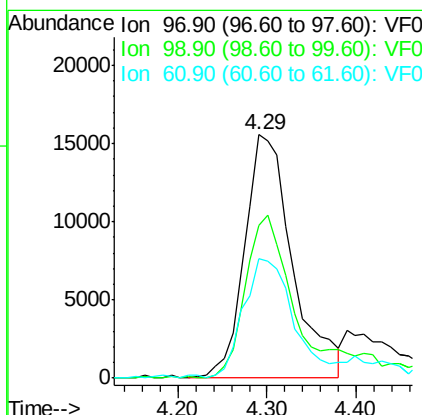
RT: 4.29 min Scan# 381

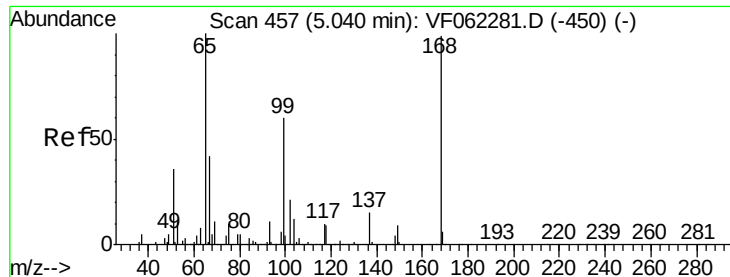
Delta R.T. -0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion	97	Resp	57982
Ion Ratio	Lower	Upper	
97	100		
99	78.2	41.6	62.4#
61	51.2	31.6	47.4#





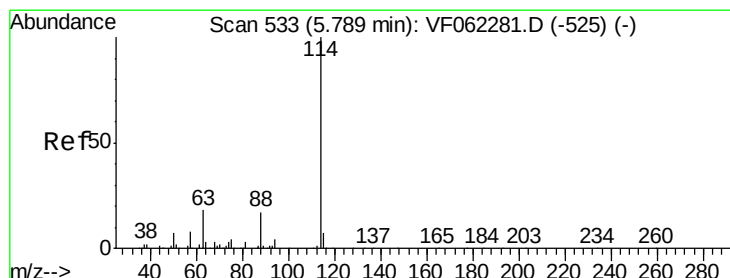
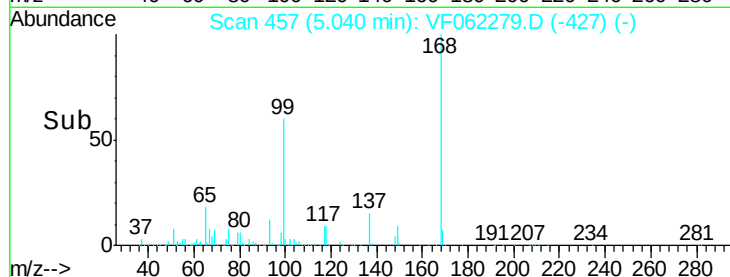
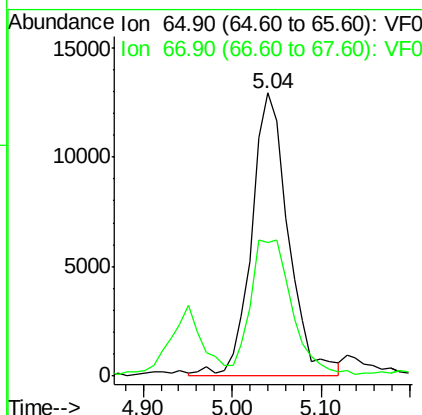
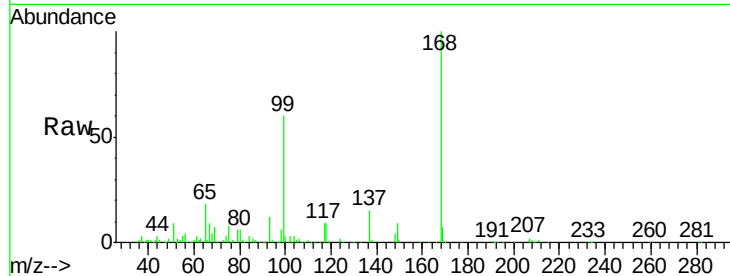
#33
 1,2-Dichloroethane-d4
 Concen: 9.637 ug/l
 RT: 5.04 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	98.8	

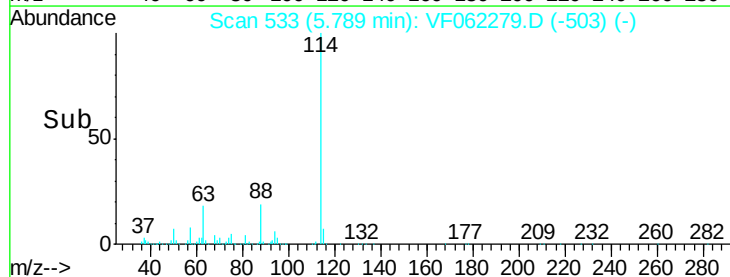
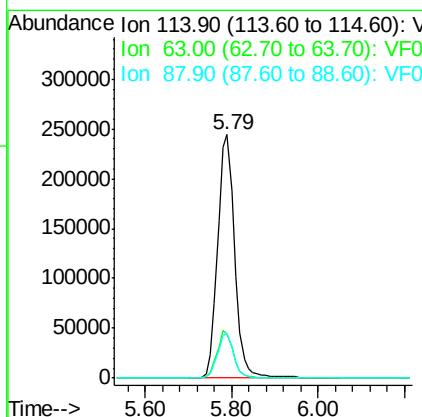
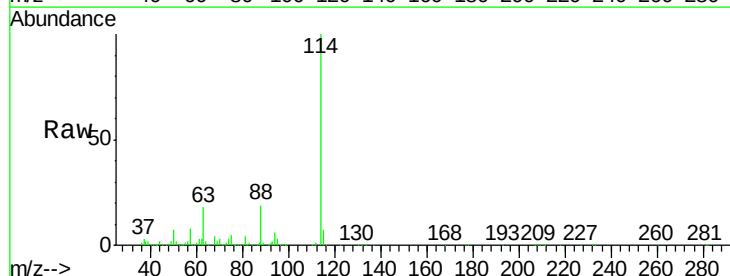
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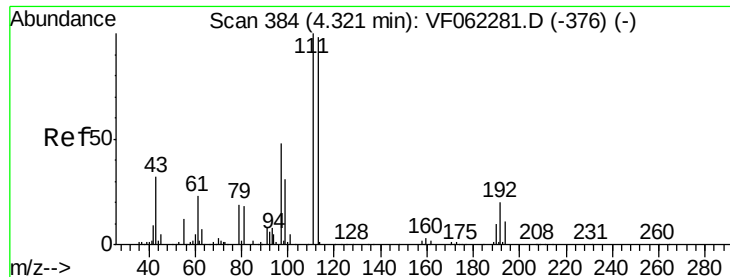
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.79 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.9	0.0	35.6	
88	18.8	0.0	34.6	





#35

Dibromofluoromethane

Concen: 9.626 ug/l

RT: 4.31 min Scan# 383

Delta R.T. -0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

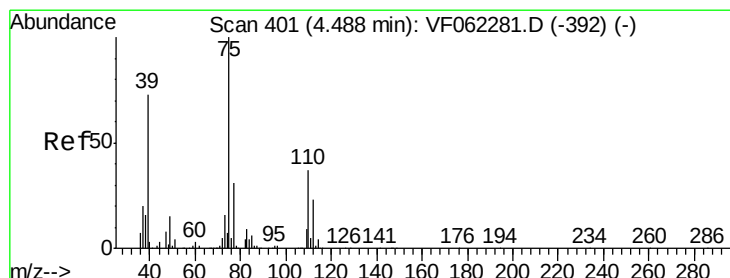
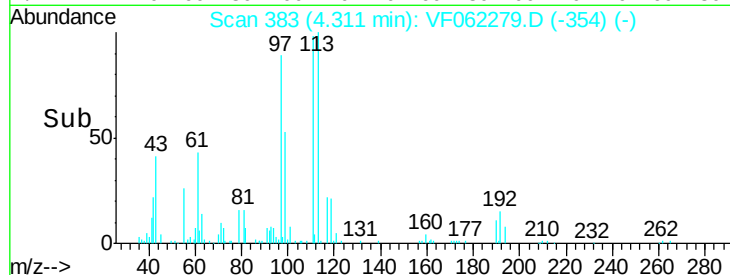
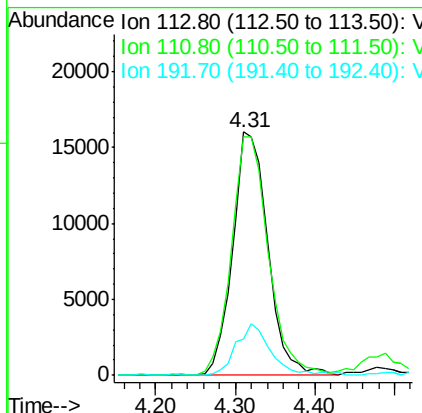
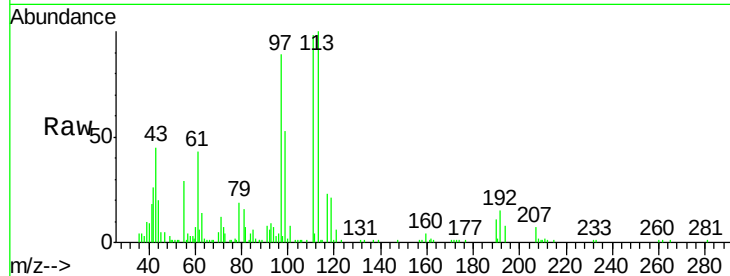
ClientSampleId :

VSTDIC010

Tot Ion:	113	Resp:	49028
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.4	122.2
192	21.0	17.0	25.4

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#36

1,1-Dichloropropene

Concen: 10.304 ug/l

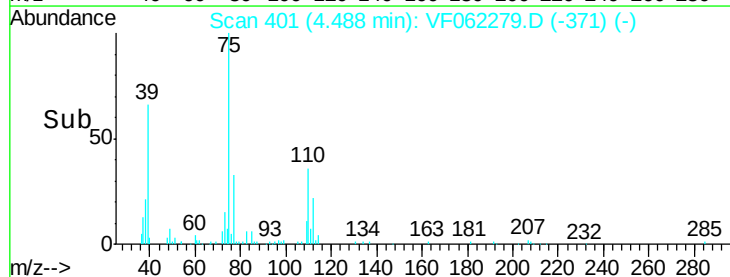
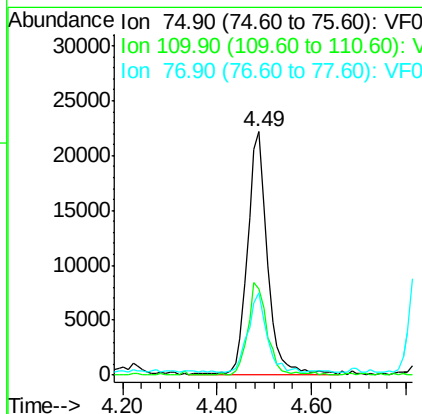
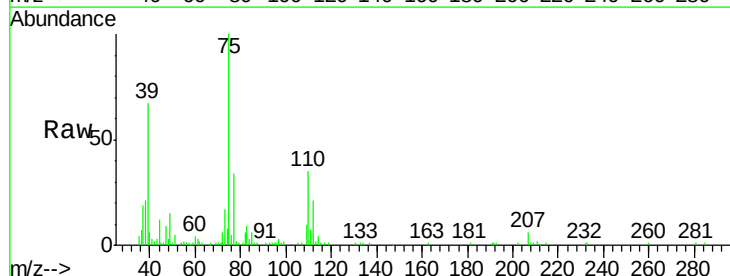
RT: 4.49 min Scan# 401

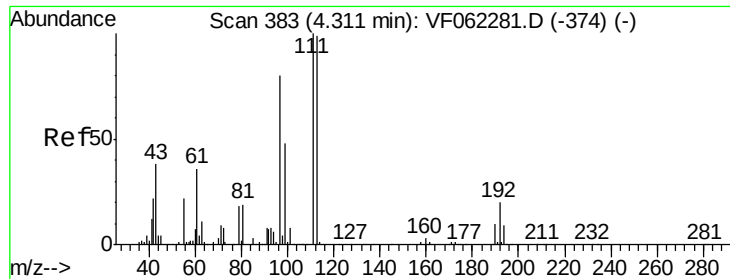
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	75	Resp:	65493
Ion	Ratio	Lower	Upper
75	100		
110	35.6	17.9	53.8
77	30.5	24.6	36.8





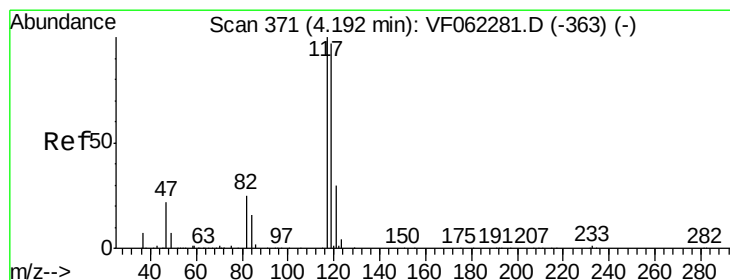
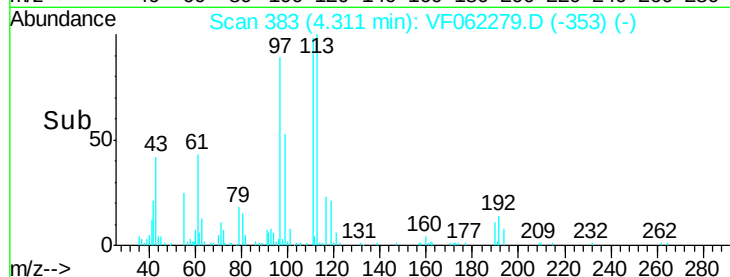
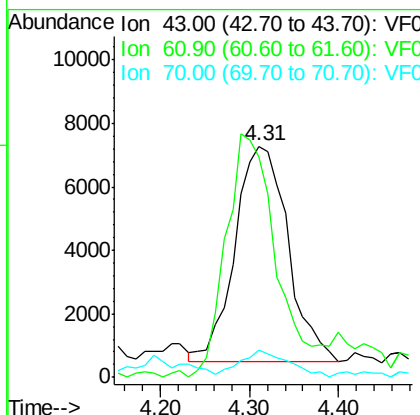
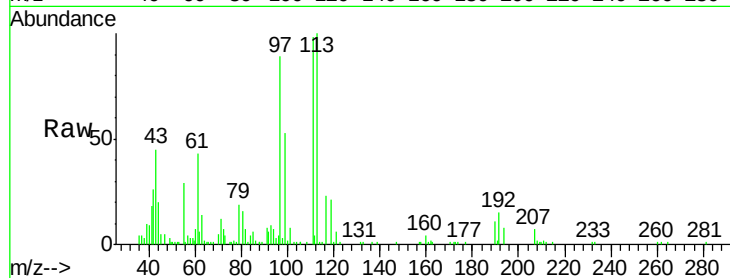
#37
Ethyl Acetate
Concen: 10.745 ug/l
RT: 4.31 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	43	61	70	Ratio	Lower	Upper
28044	100	105.9	11.7			
		85.8	7.3			
		128.6	10.9			

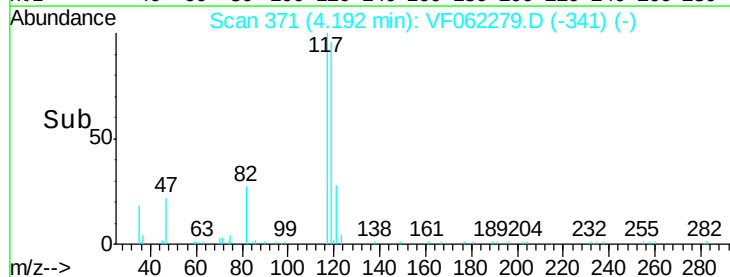
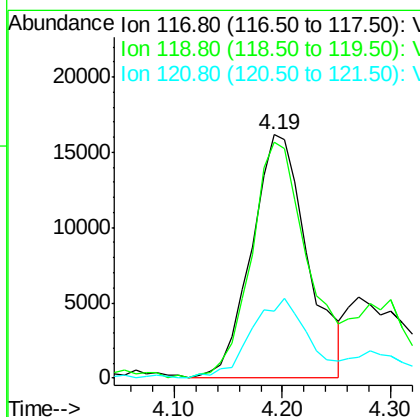
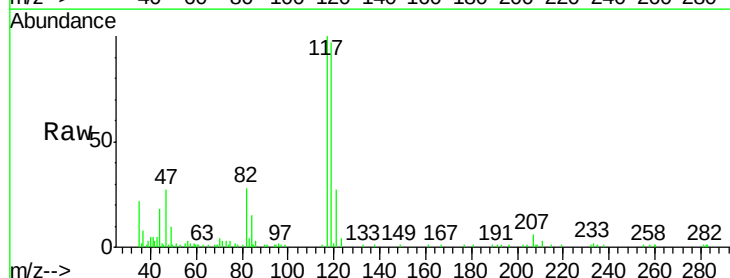
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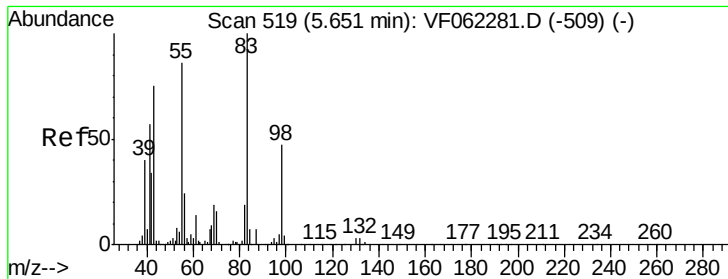
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#38
Carbon Tetrachloride
Concen: 9.428 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	117	119	121	Ratio	Lower	Upper
58553	100	96.7	27.4			
		77.3	24.3			
		115.9	36.5			





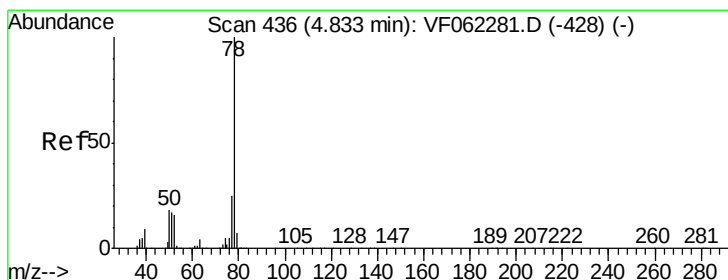
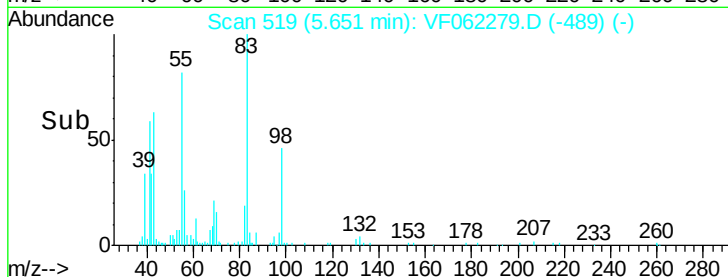
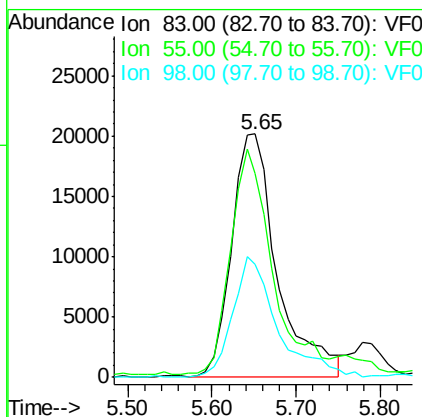
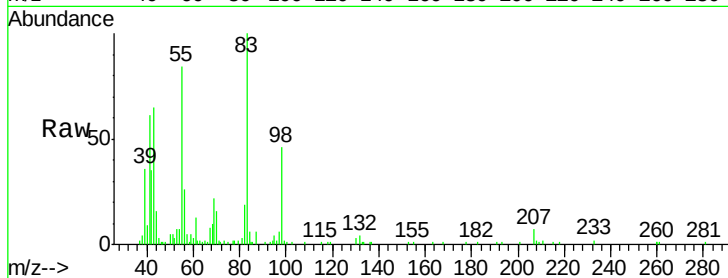
#39
Methylvlcyclohexane
Concen: 10.222 ug/l
RT: 5.65 min Scan# 519
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.0	68.7	103.1
98	46.2	37.4	56.2

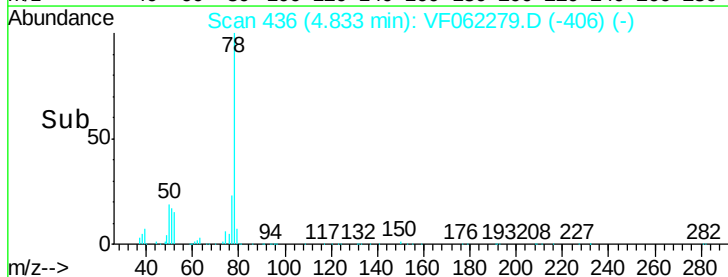
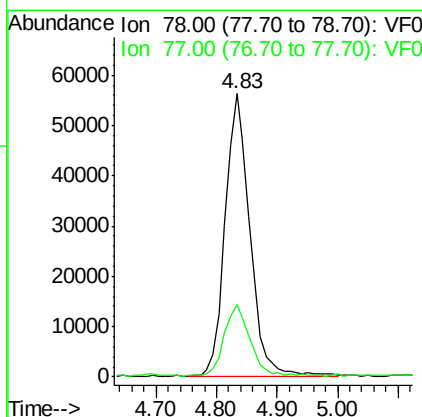
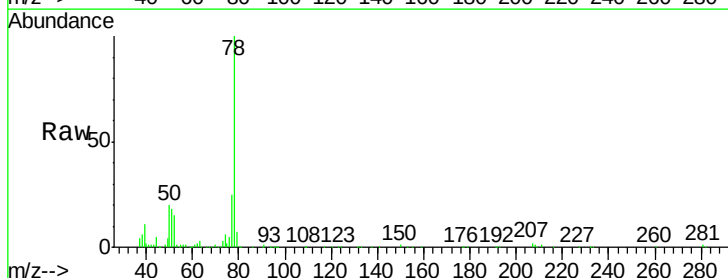
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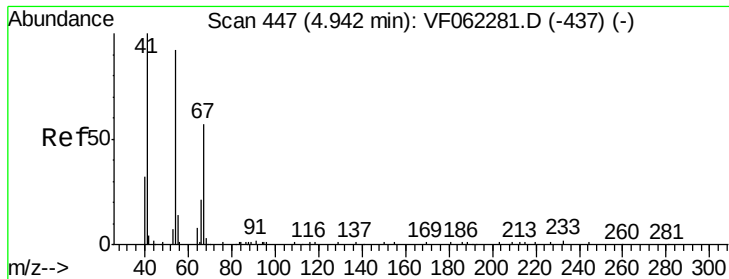
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#40
Benzene
Concen: 10.333 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.7	29.5





#41

Methacrylonitrile

Concen: 9.757 ug/l

RT: 4.94 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

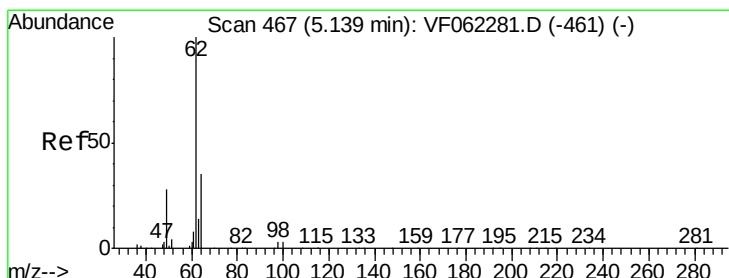
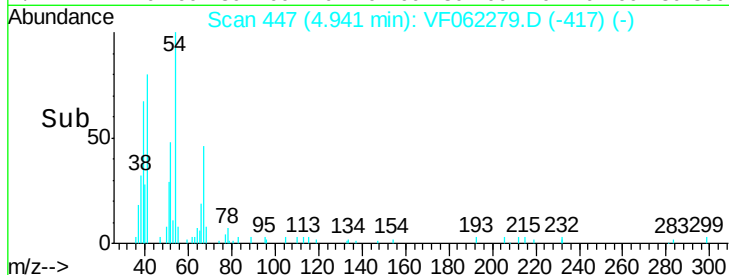
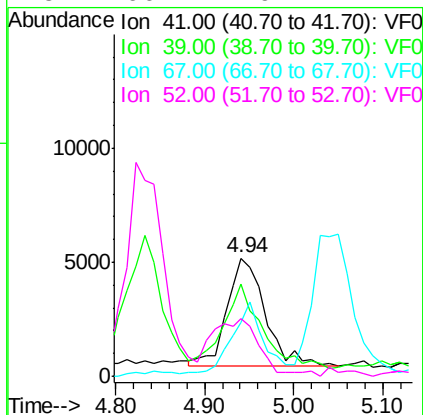
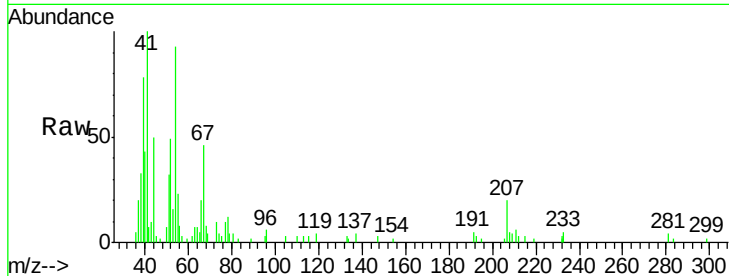
ClientSampleId :

VSTDIC010

Tot Ion:	41	Resp:	14223
Ion	Ratio	Lower	Upper
41	100		
39	76.7	47.3	70.9#
67	55.7	41.3	61.9
52	66.4	49.4	74.2

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 10.398 ug/l

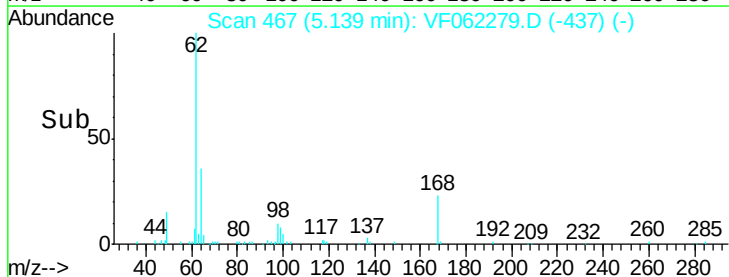
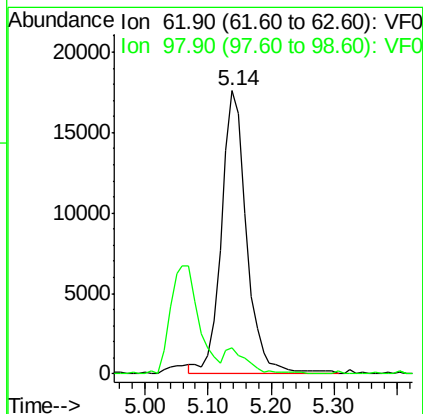
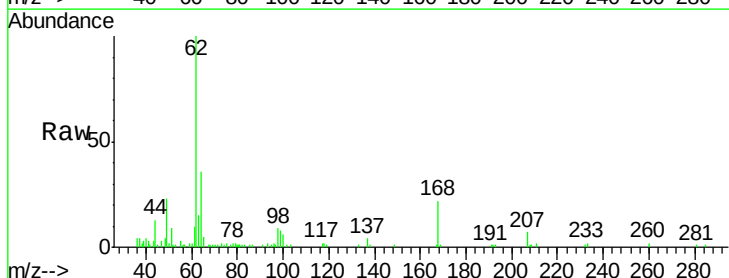
RT: 5.14 min Scan# 467

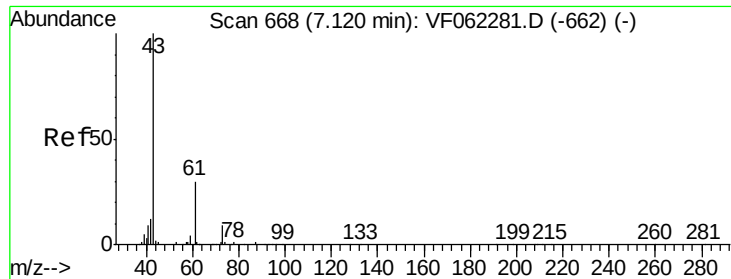
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	62	Resp:	48956
Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	16.8





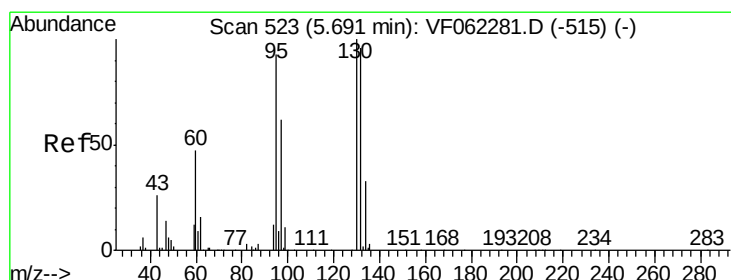
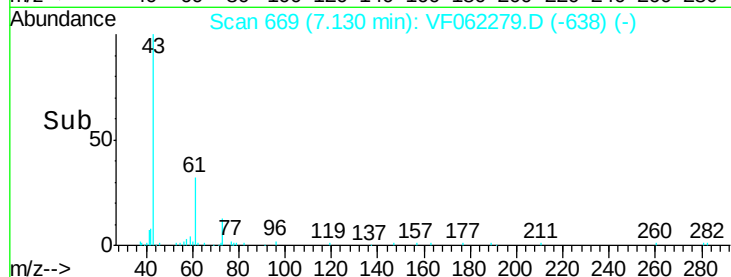
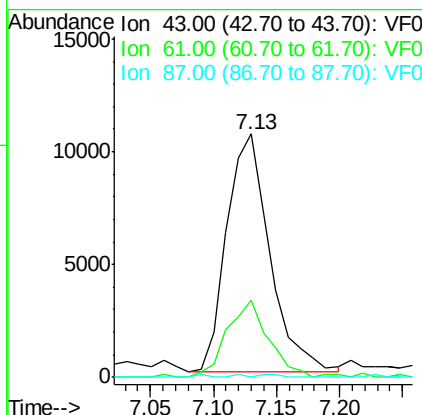
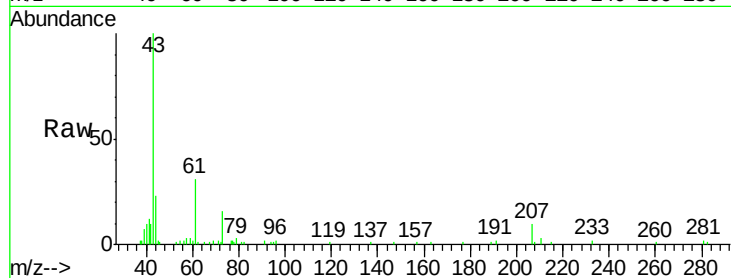
#43
Isopropyl Acetate
Concen: 9.066 ug/l
RT: 7.13 min Scan# 669
Delta R.T. 0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.3	23.8	35.6
87	0.8	0.5	0.7#

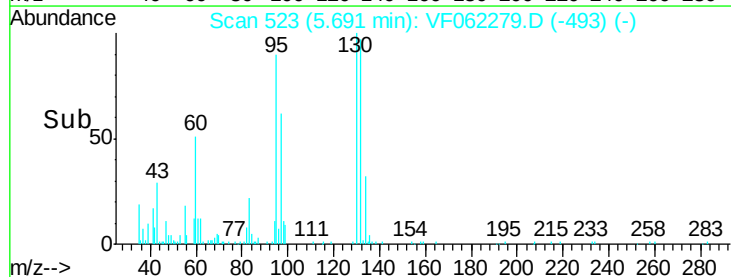
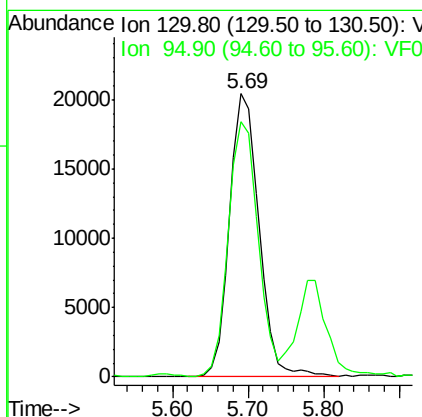
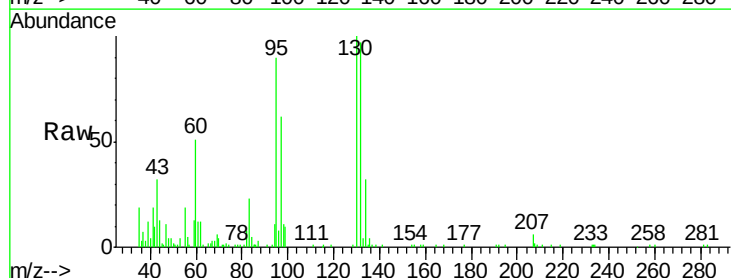
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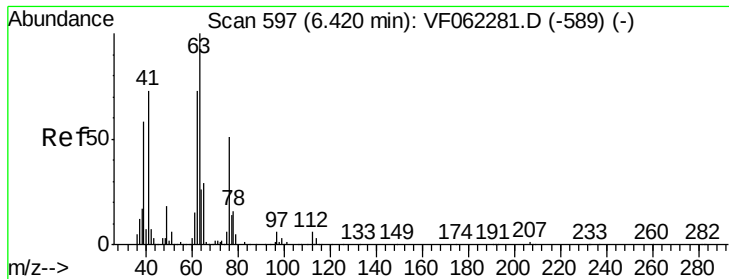
MMDadoda
4/26/2019 9:20:59 AM



#44
Trichloroethene
Concen: 10.659 ug/l
RT: 5.69 min Scan# 523
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.2	0.0	186.4





#45

1,2-Dichloropropane

Concen: 10.489 ug/l

RT: 6.42 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 35423

Ion Ratio Lower Upper

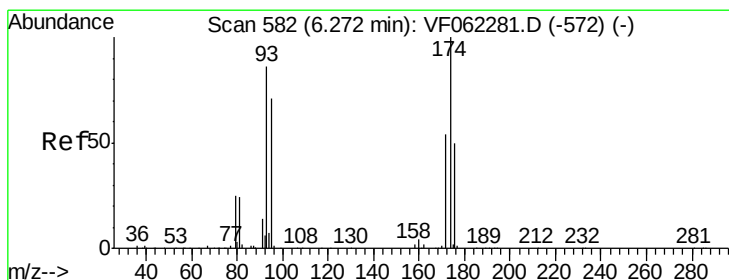
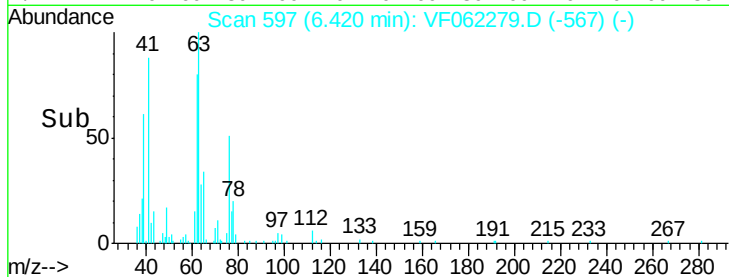
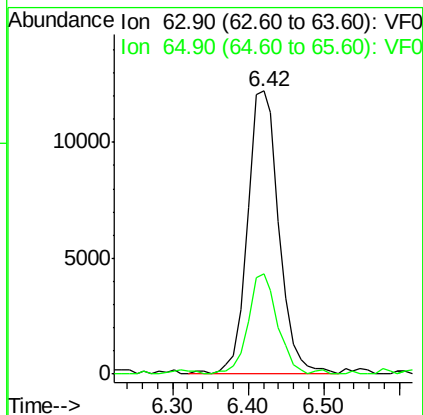
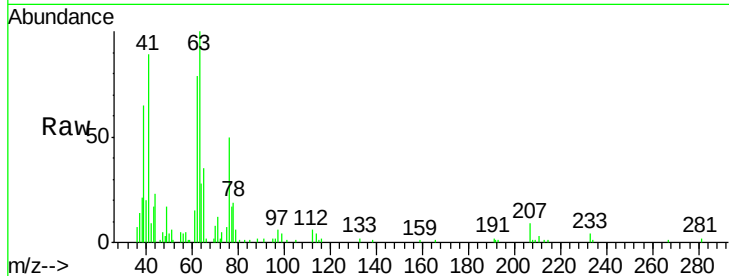
63 100

65 35.3 23.5 35.3#

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#46

Dibromomethane

Concen: 9.964 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

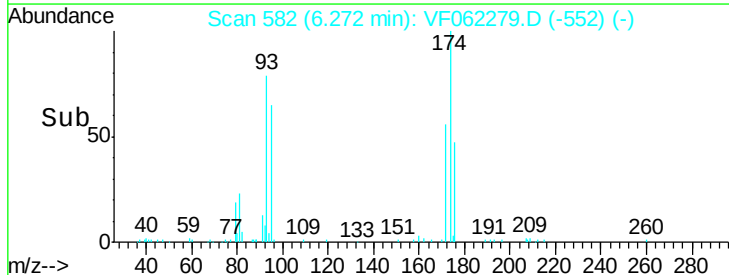
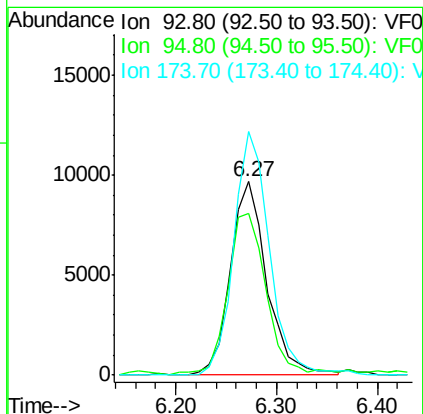
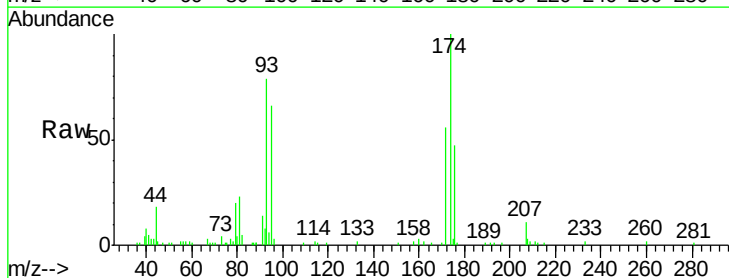
Tgt Ion: 93 Resp: 24375

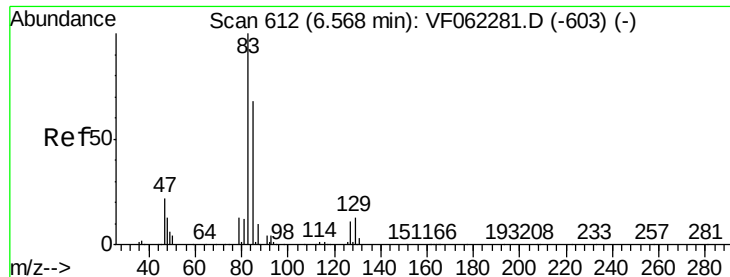
Ion Ratio Lower Upper

93 100

95 88.5 66.2 99.4

174 123.4 94.9 142.3





#47

Bromodichloromethane

Concen: 9.932 ug/l

RT: 6.57 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

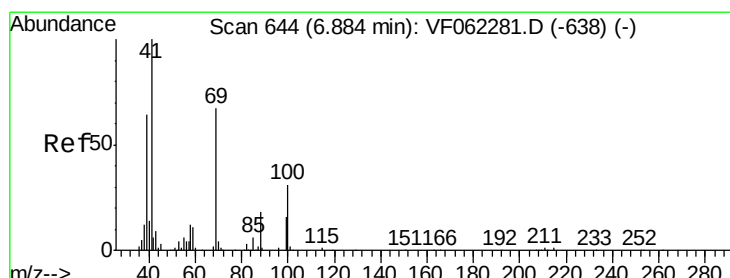
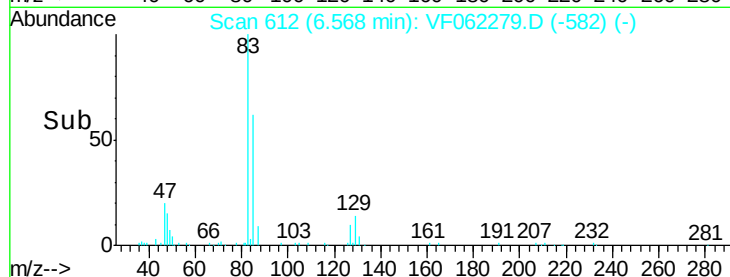
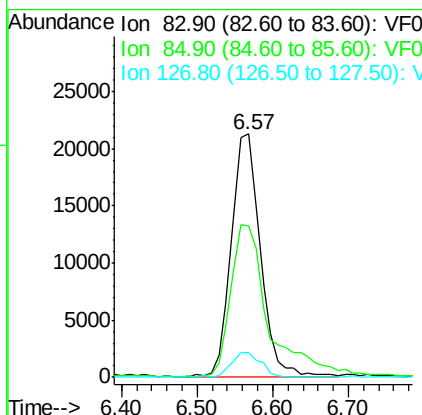
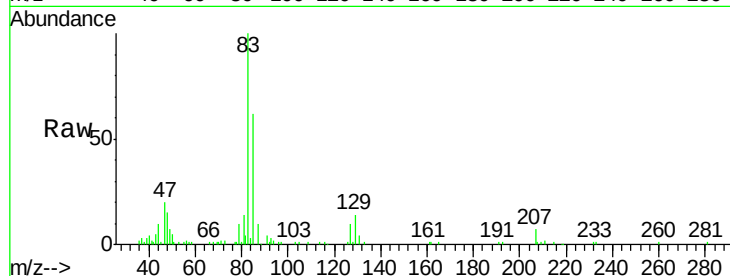
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	57200
Ion	Ratio	Lower	Upper
83	100		
85	61.6	54.6	81.8
127	10.0	8.7	13.1

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#48

Methyl methacrylate

Concen: 10.263 ug/l

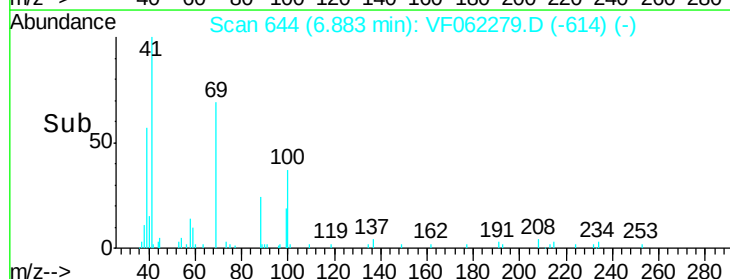
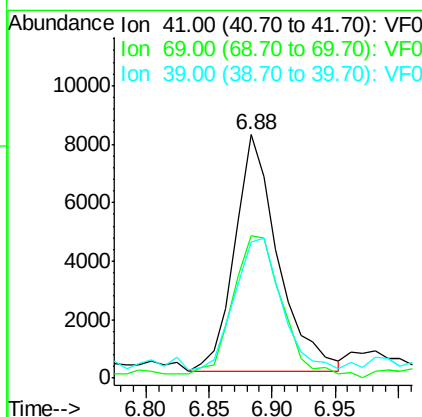
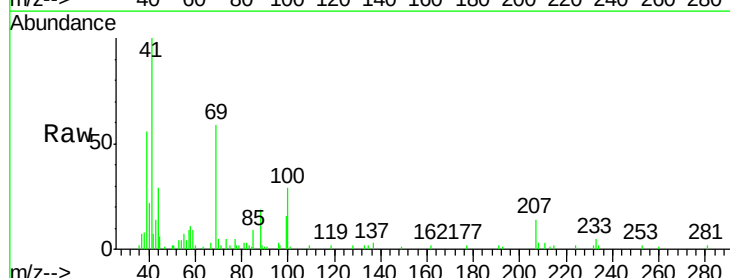
RT: 6.88 min Scan# 644

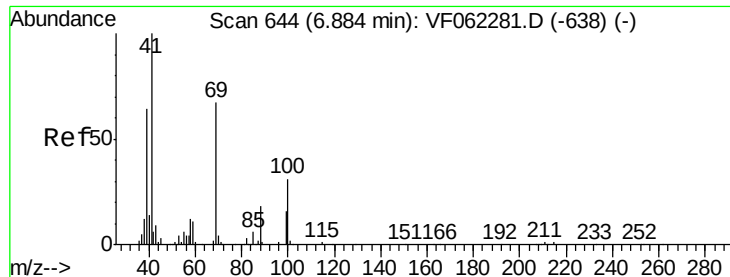
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	41	Resp:	19385
Ion	Ratio	Lower	Upper
41	100		
69	69.0	53.4	80.2
39	59.3	50.9	76.3





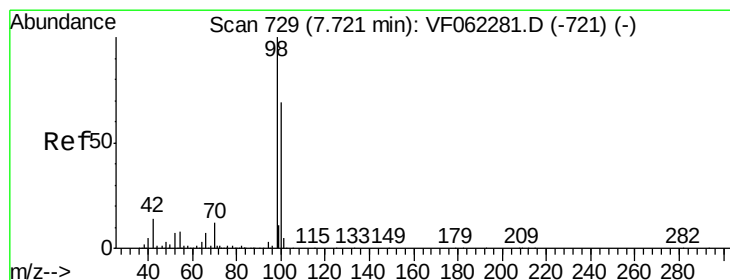
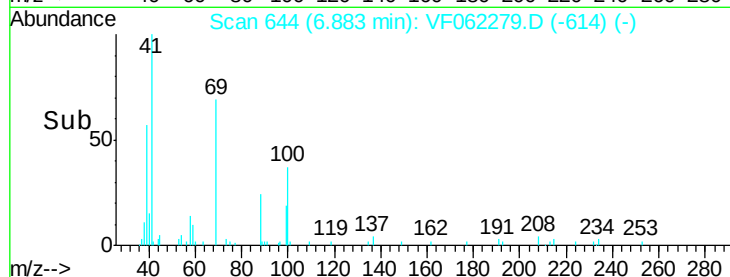
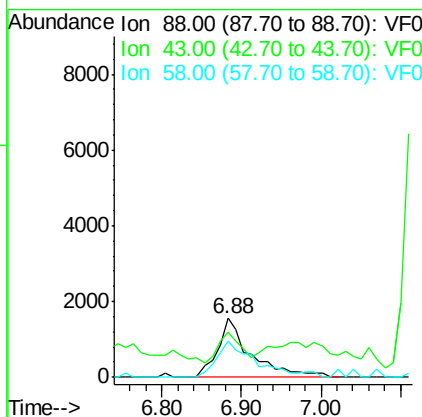
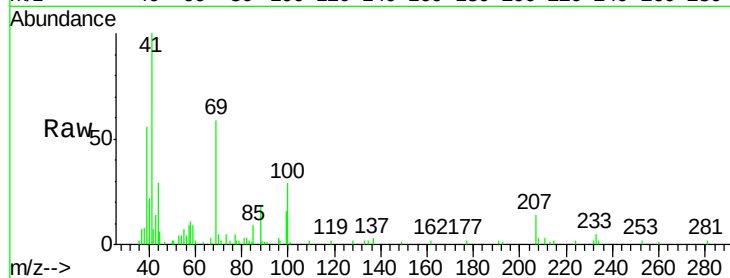
#49
1,4-Dioxane
Concen: 208.720 ug/l
RT: 6.88 min Scan# 644
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	88	Resp	4512
Ion Ratio	Lower	Upper	
88	100		
43	34.2	34.2	51.4#
58	70.3	50.7	76.1

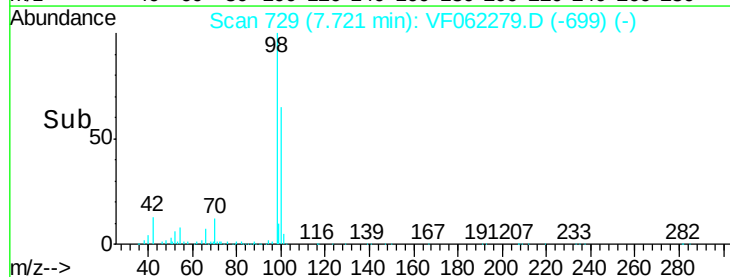
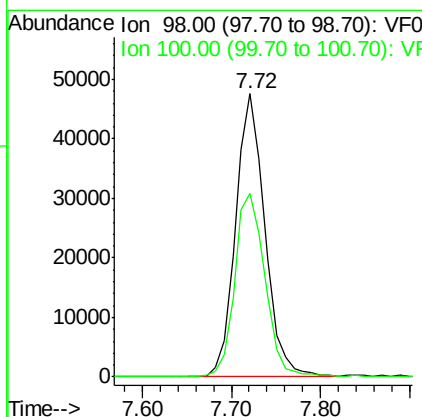
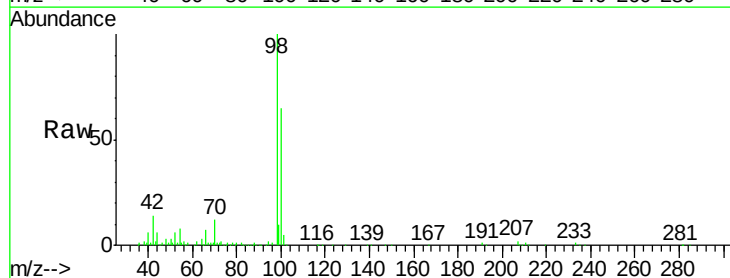
Manual Integrations
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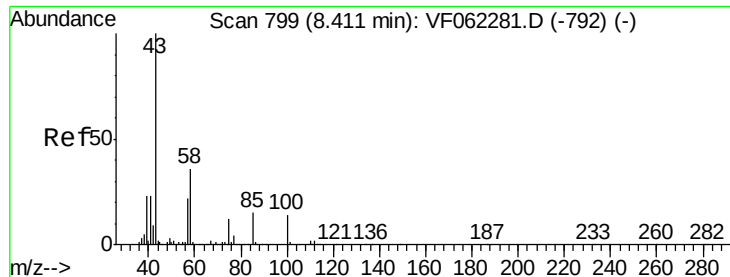
MMDadoda
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#50
Toluene-d8
Concen: 8.945 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	98	Resp	108793
Ion Ratio	Lower	Upper	
98	100		
100	67.0	54.4	81.6





#51

4-Methyl-2-Pentanone

Concen: 51.560 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 108595

Ion Ratio Lower Upper

43 100

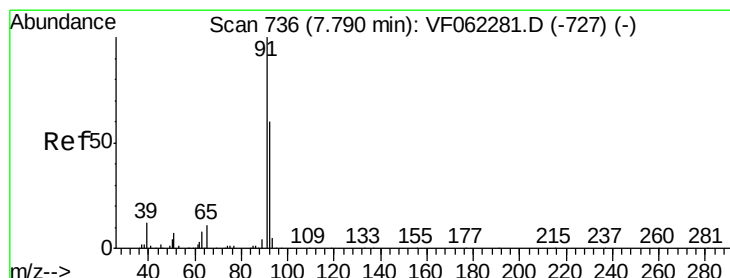
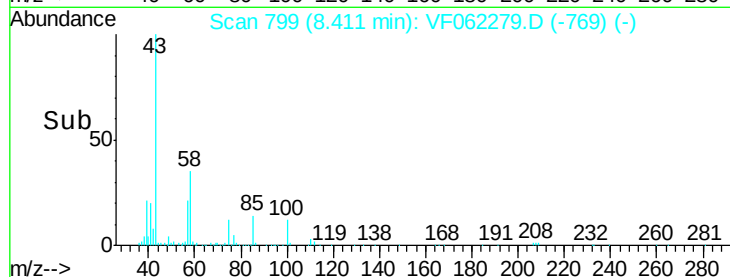
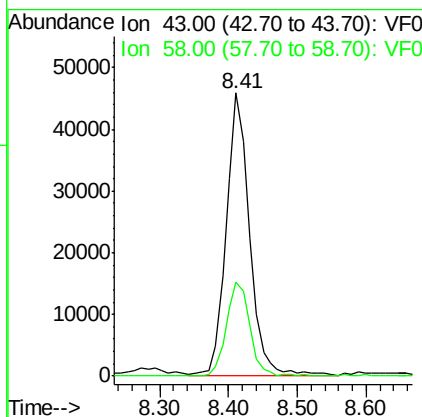
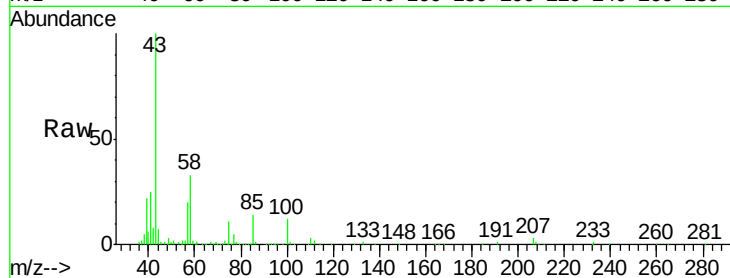
58 32.7 29.1 43.7

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#52

Toluene

Concen: 10.006 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF062279.D

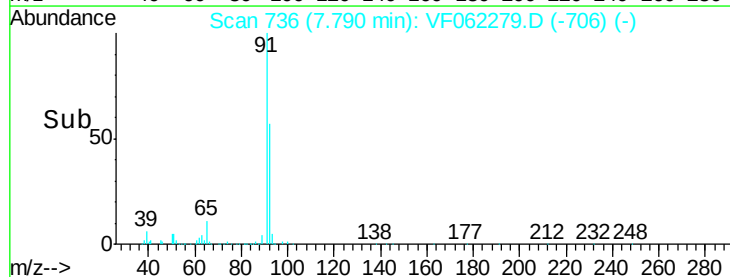
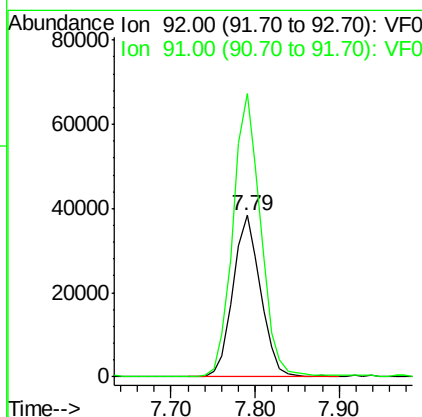
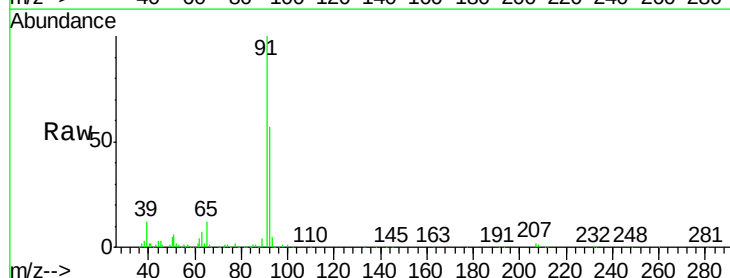
Acq: 24 Apr 2019 14:17

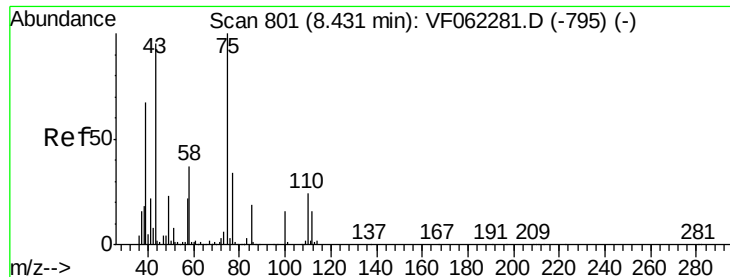
Tgt Ion: 92 Resp: 87986

Ion Ratio Lower Upper

92 100

91 175.5 132.5 198.7





#53

t-1,3-Dichloropropene

Concen: 9.615 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.00 min

Lab File: VF062279.D

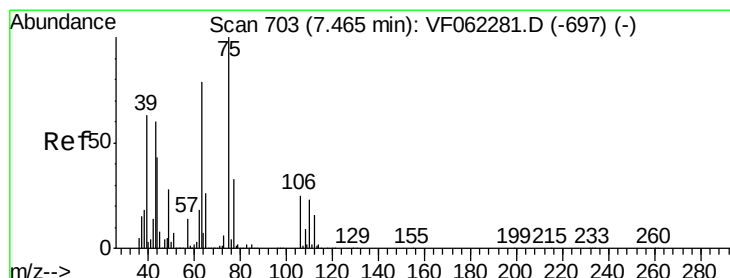
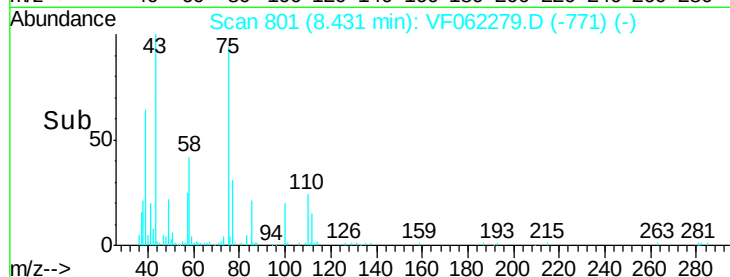
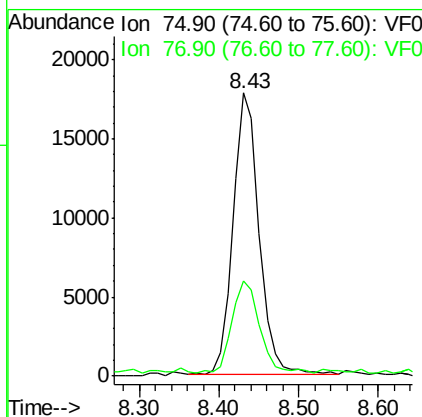
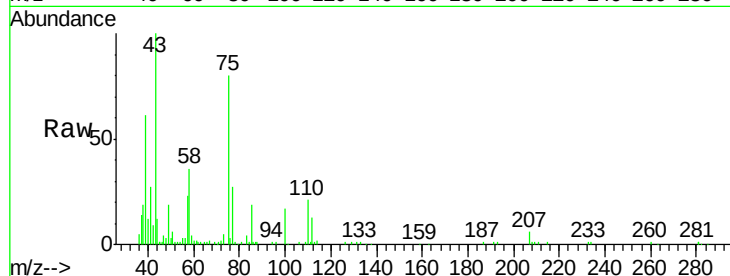
Acq: 24 Apr 2019 14:17

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.9	40.3

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 9.832 ug/l

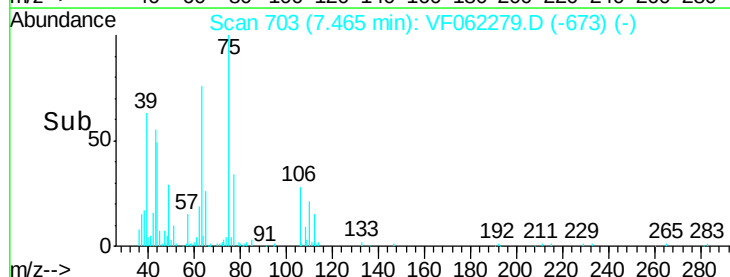
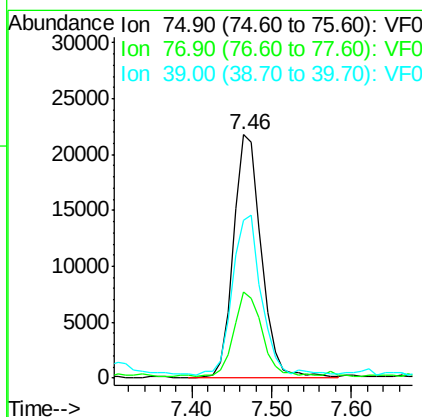
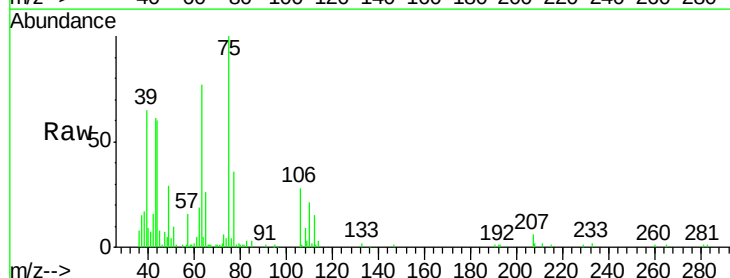
RT: 7.46 min Scan# 703

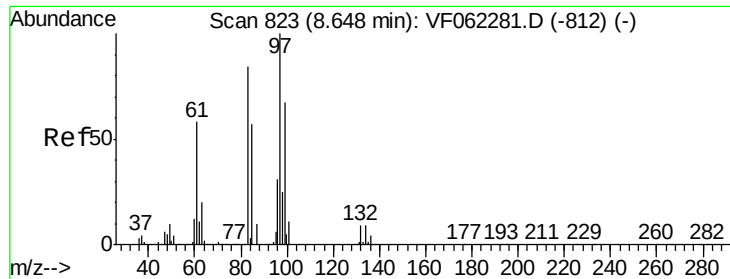
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.4	26.5	39.7
39	63.3	50.2	75.2





#55

1,1,2-Trichloroethane

Concen: 10.338 ug/l

RT: 8.65 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

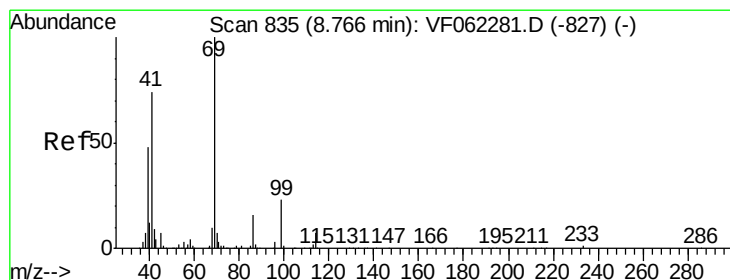
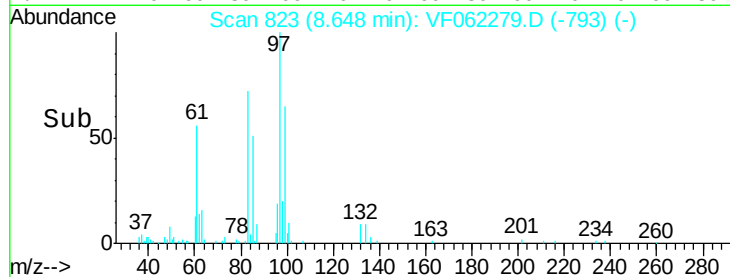
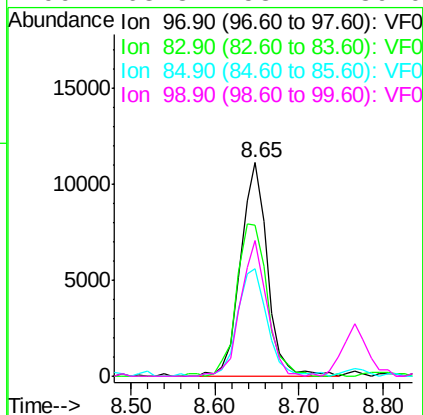
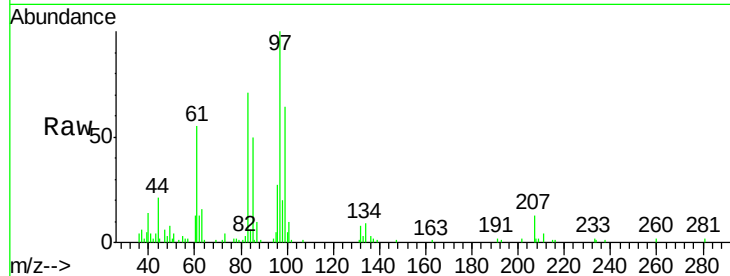
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	24847
Ion	Ratio	Lower	Upper
97	100		
83	69.7	67.5	101.3
85	50.2	45.3	67.9
99	63.8	53.4	80.0

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#56

Ethyl methacrylate

Concen: 9.110 ug/l

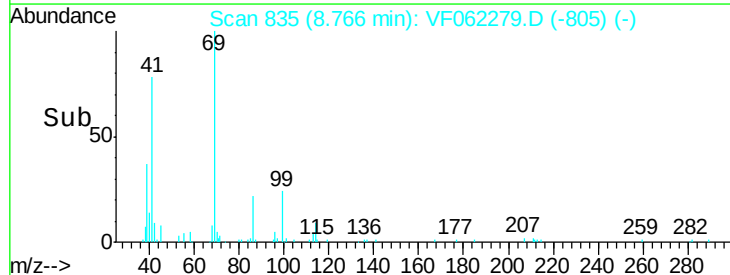
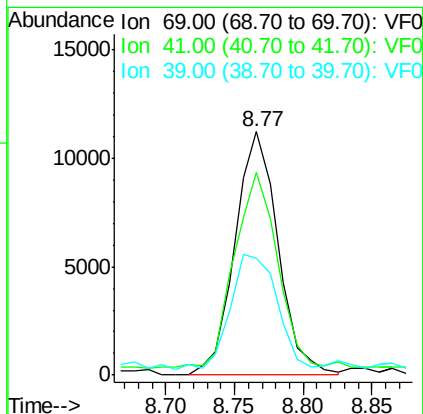
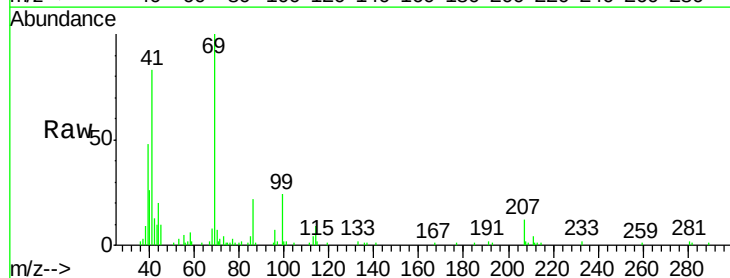
RT: 8.77 min Scan# 835

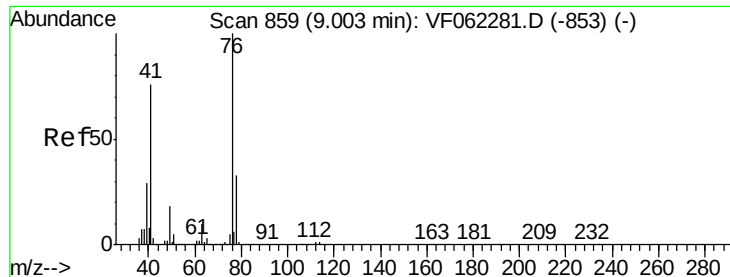
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	69	Resp:	24475
Ion	Ratio	Lower	Upper
69	100		
41	82.2	61.5	92.3
39	51.1	37.9	56.9





#57

1,3-Dichloropropane

Concen: 9.957 ug/l

RT: 9.01 min Scan# 860

Delta R.T. 0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tot Ion: 76 Resp: 37636

Ion Ratio Lower Upper

76 100

78 33.9 27.0 40.6

Instrument :

MSVOA_F

ClientSampleId :

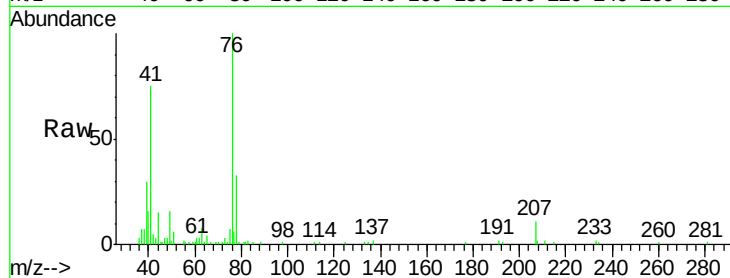
VSTDIC010

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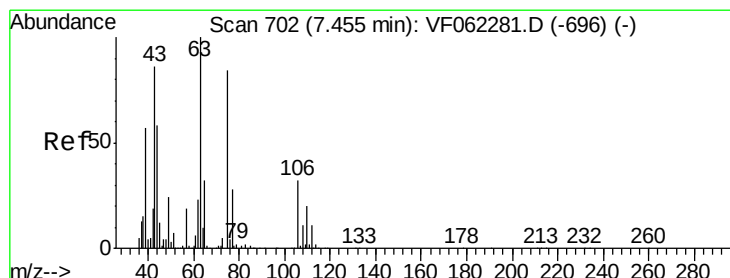
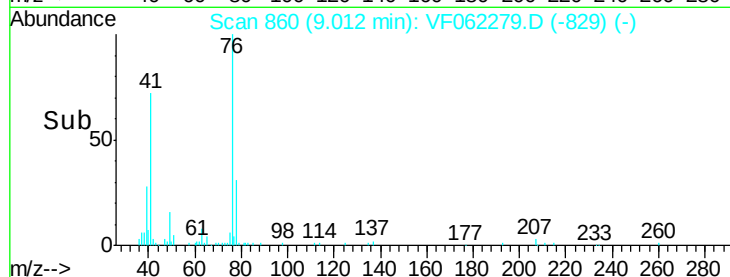
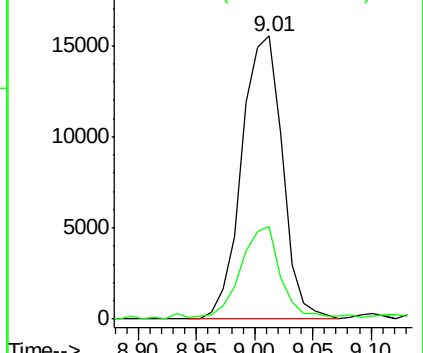
MMDadoda

4/26/2019 9:20:59 AM



Abundance Ion 75.90 (75.60 to 76.60): VF0

Ion 77.90 (77.60 to 78.60): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 51.297 ug/l

RT: 7.46 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF062279.D

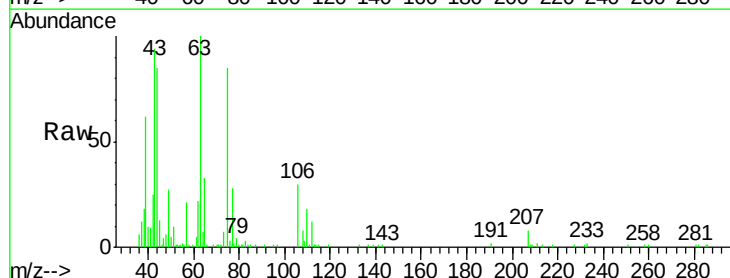
Acq: 24 Apr 2019 14:17

Tgt Ion: 63 Resp: 42577

Ion Ratio Lower Upper

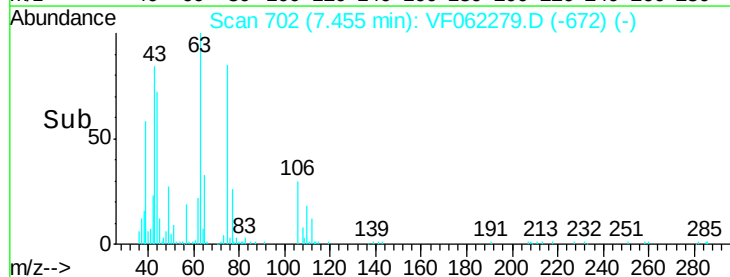
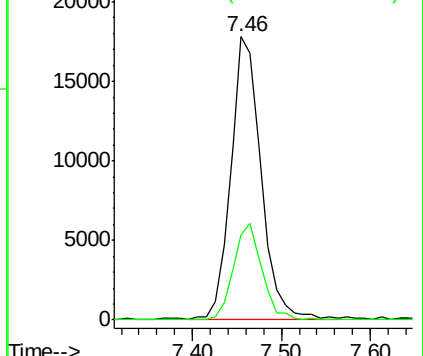
63 100

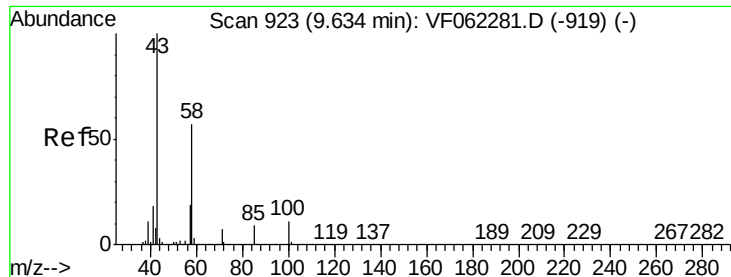
106 31.6 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VF0

Ion 105.90 (105.60 to 106.60): V





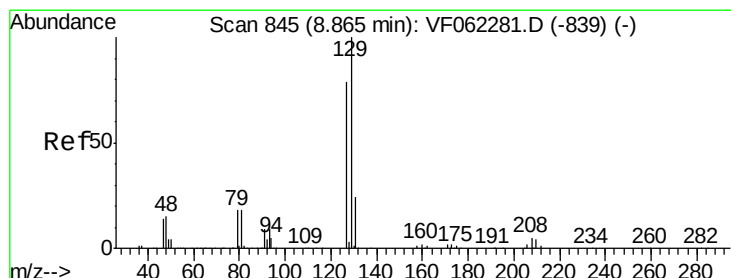
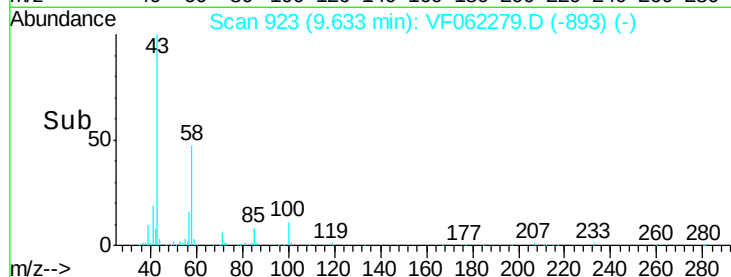
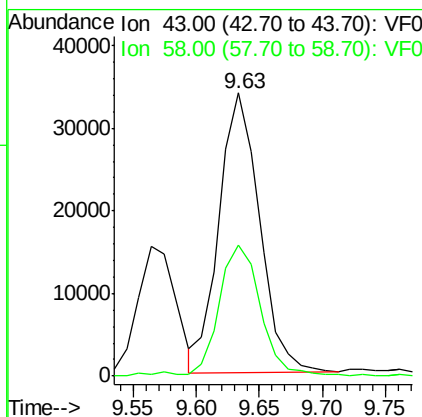
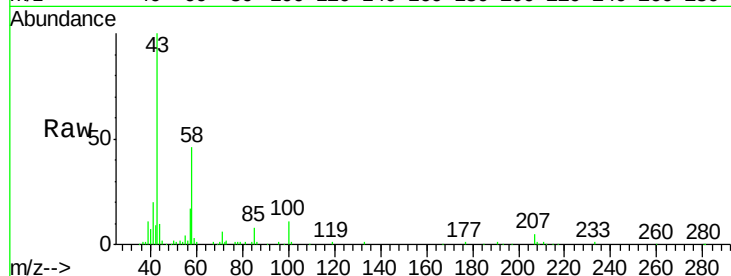
#59
2-Hexanone
Concen: 36.557 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.6	24.9	74.7

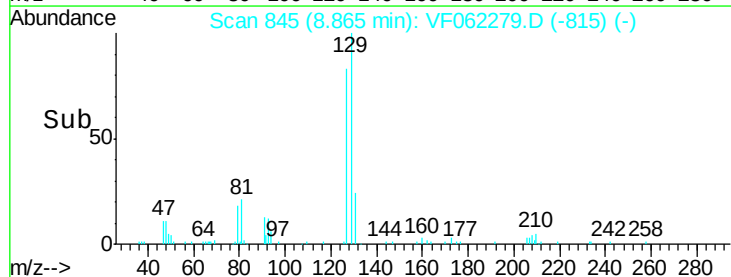
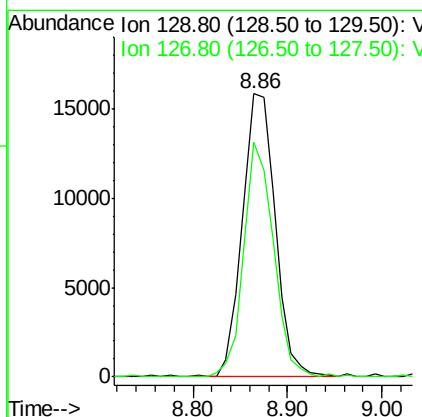
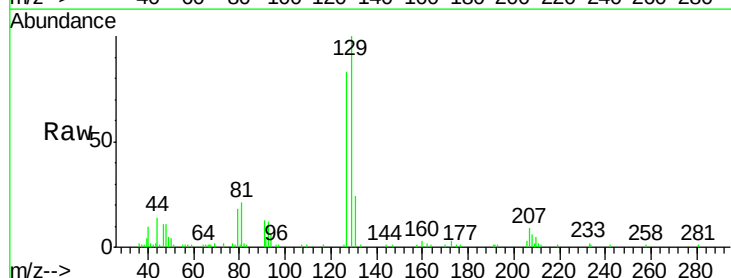
Manual Integrations
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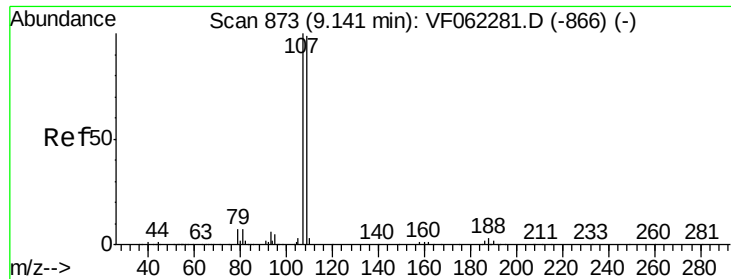
MMDadoda
4/26/2019 9:20:59 AM



#60
Dibromochloromethane
Concen: 9.920 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	74.8	38.8	116.4





#61

1,2-Dibromoethane

Concen: 9.708 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:107 Resp: 27190

Ion Ratio Lower Upper

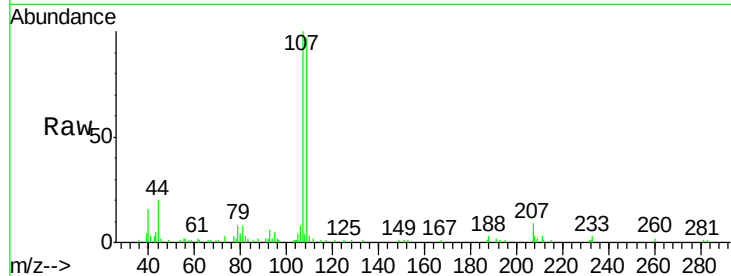
107 100

109 101.4 78.7 118.1

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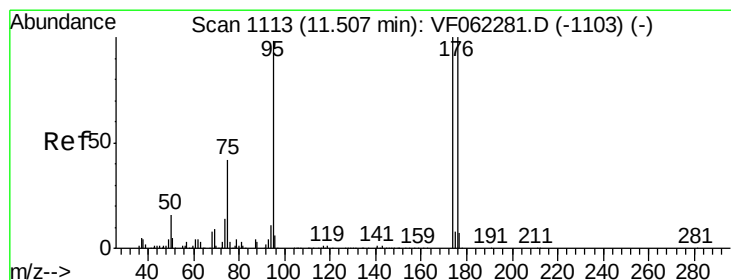
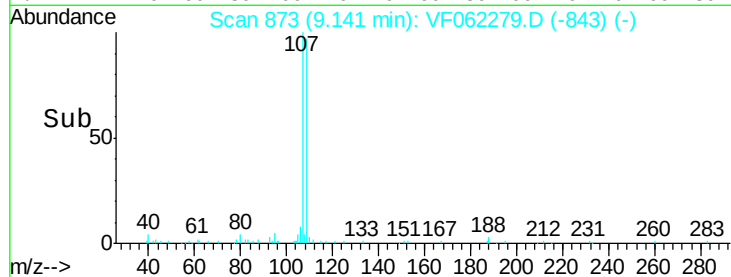
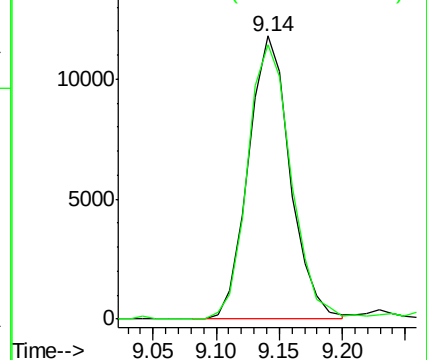
MMDadoda

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: 9.558 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

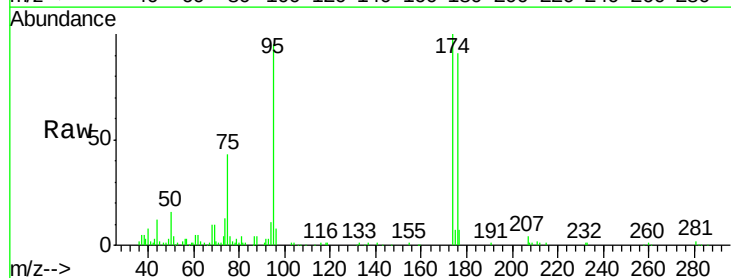
Tgt Ion: 95 Resp: 48993

Ion Ratio Lower Upper

95 100

174 91.7 0.0 185.2

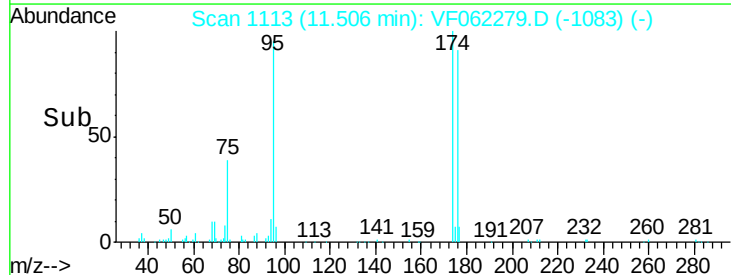
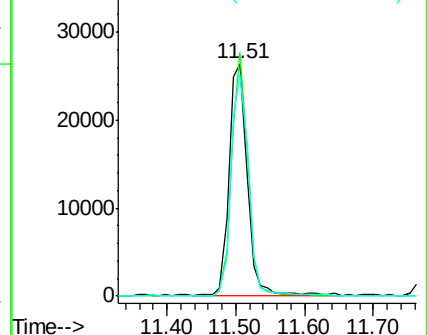
176 90.6 0.0 184.8

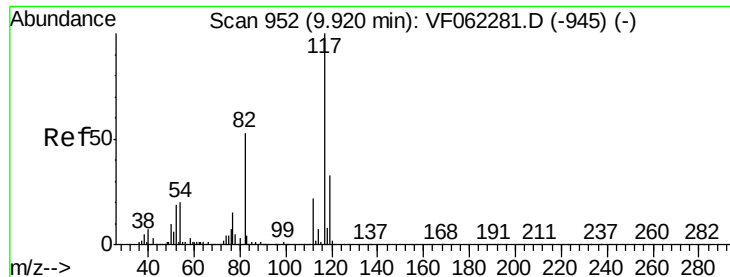


Abundance Ion 94.90 (94.60 to 95.60): VF0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





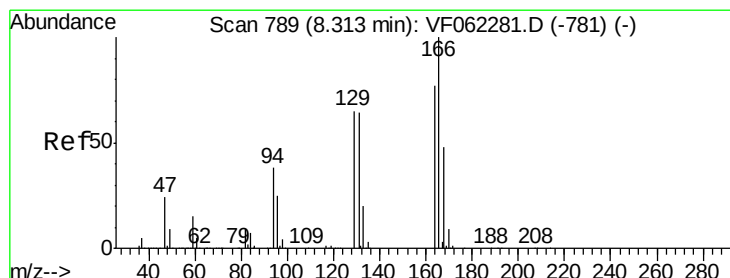
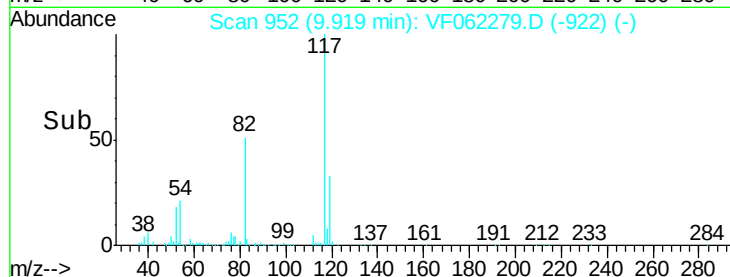
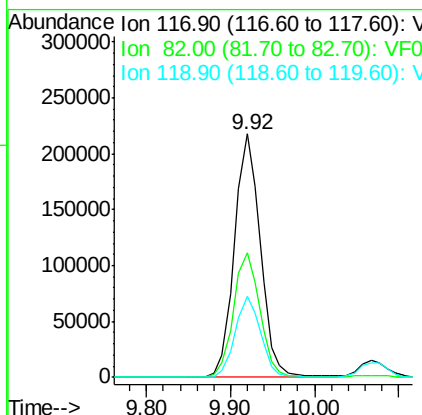
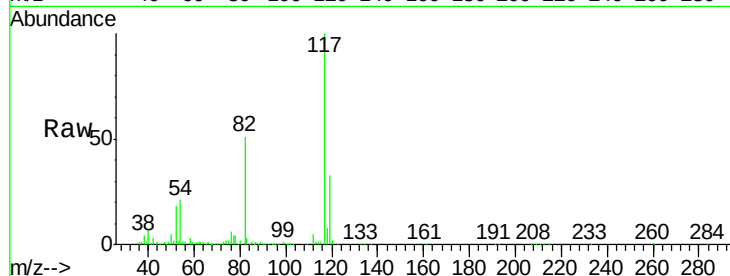
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:	117	Resp:	468160
Ion Ratio	Lower	Upper	
117	100		
82	51.2	42.6	64.0
119	33.2	26.1	39.1

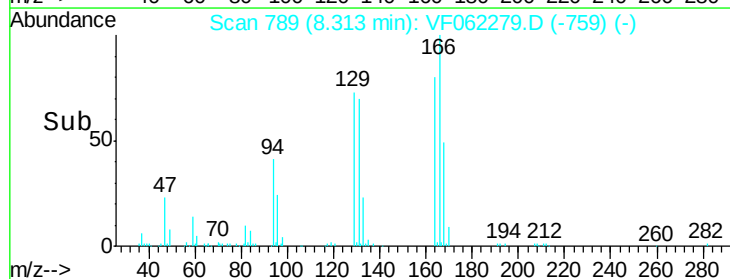
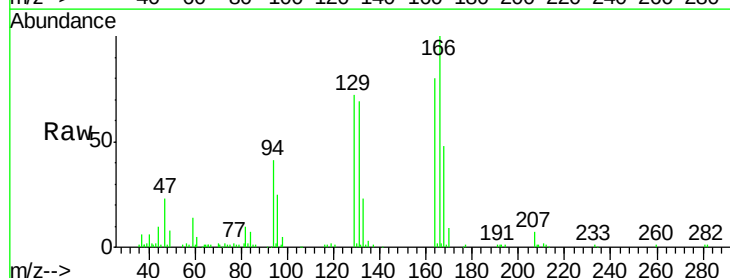
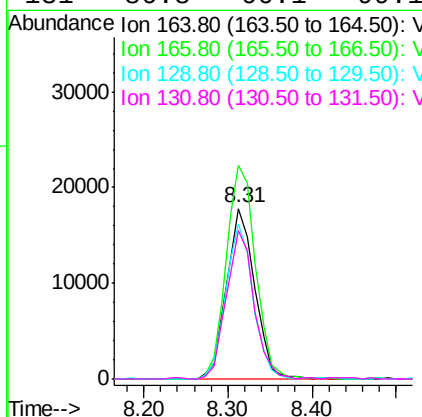
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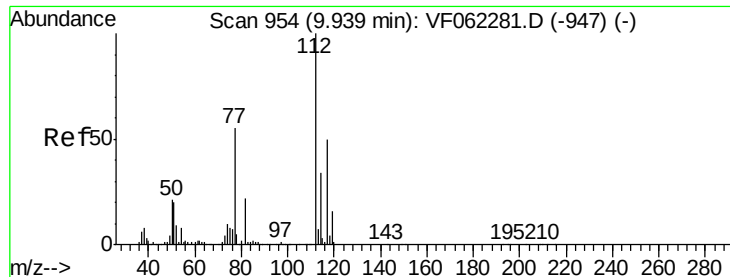
MMDadoda
4/26/2019 9:20:59 AM



#64
Tetrachloroethene
Concen: 10.339 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion:	164	Resp:	41604
Ion Ratio	Lower	Upper	
164	100		
166	125.3	103.5	155.3
129	90.8	67.6	101.4
131	86.8	66.1	99.1





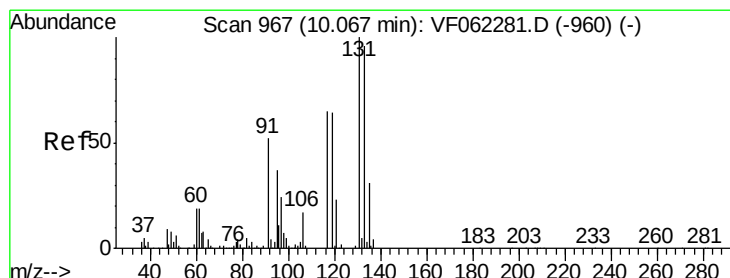
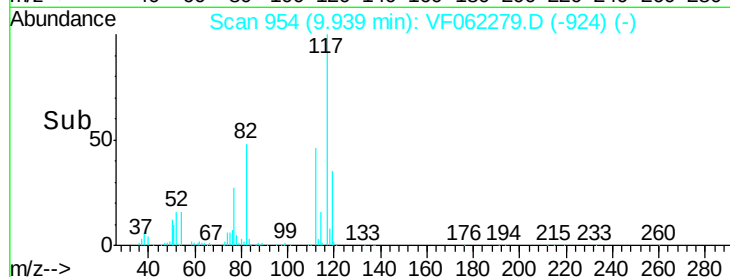
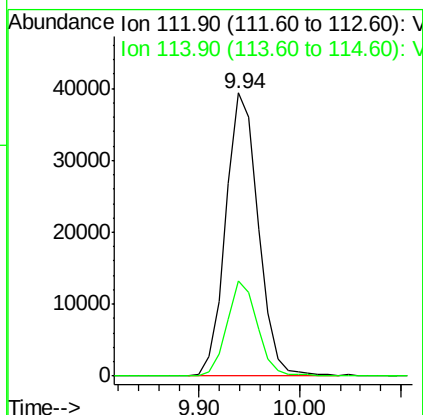
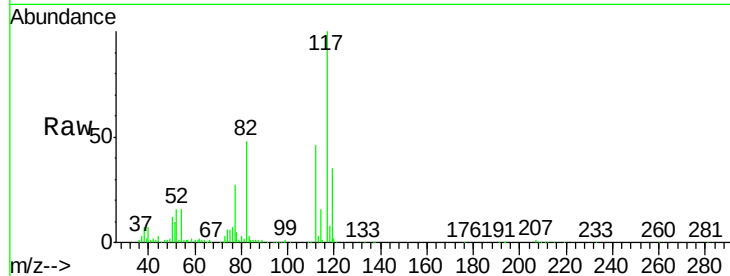
#65
Chlorobenzene
Concen: 10.172 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:112 Resp: 88327
Ion Ratio Lower Upper
112 100
114 33.7 27.0 40.6

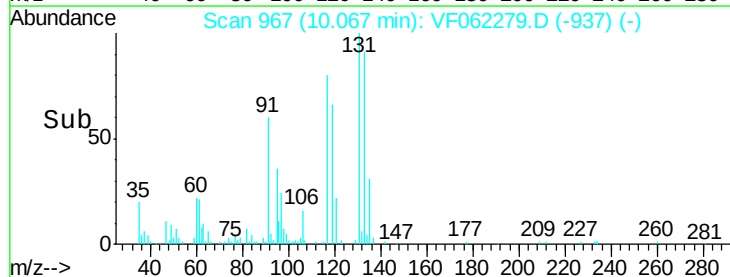
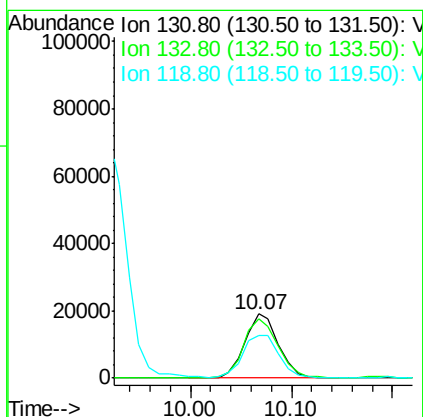
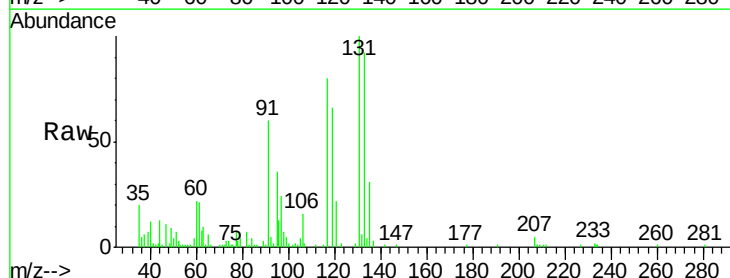
Manual Integrations
APPROVED

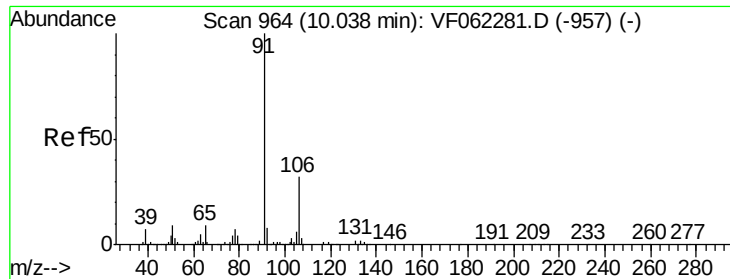
MMDadoda
4/26/2019 9:20:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 10.525 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion:131 Resp: 44051
Ion Ratio Lower Upper
131 100
133 93.6 48.5 145.5
119 71.7 32.9 98.7





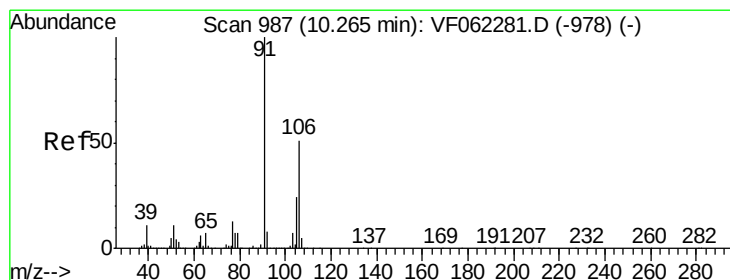
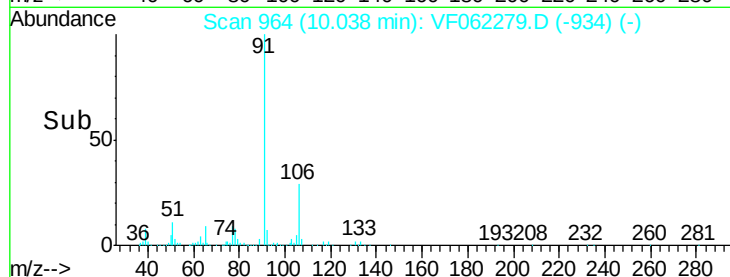
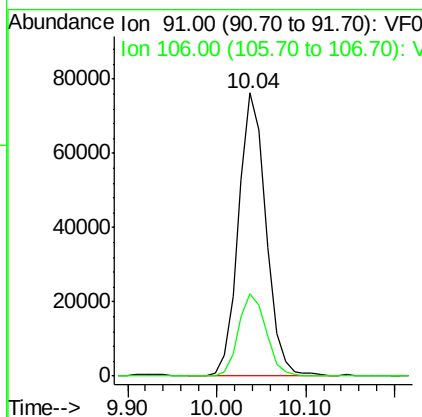
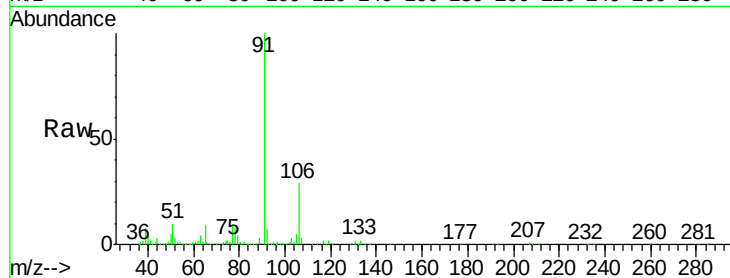
#67
Ethyl Benzene
Concen: 10.594 ug/l
RT: 10.04 min Scan# 964
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion: 91 Resp: 163171
Ion Ratio Lower Upper
91 100
106 29.3 25.6 38.4

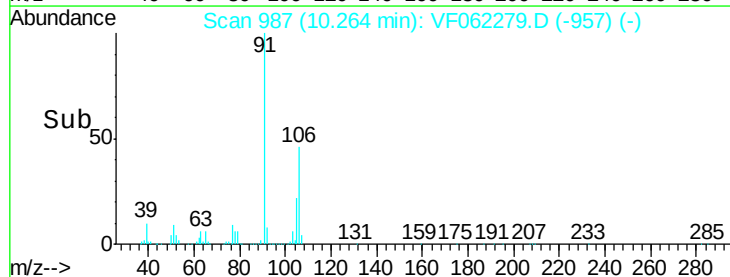
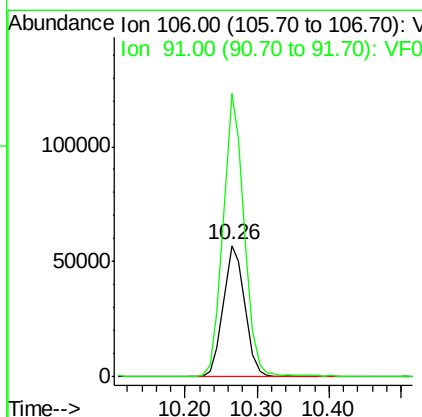
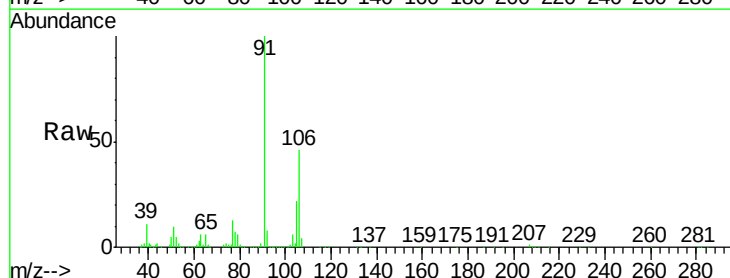
Manual Integrations
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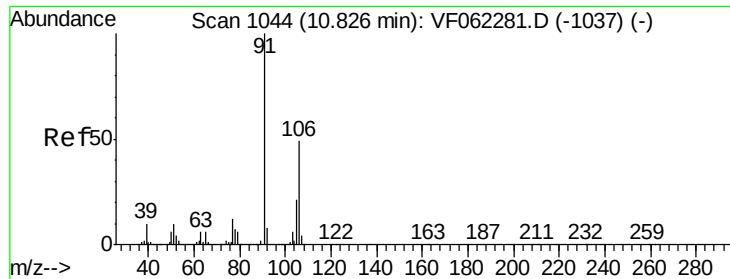
MMDadoda
4/26/2019 9:20:59 AM



#68
m/p-Xylenes
Concen: 20.934 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion: 106 Resp: 119055
Ion Ratio Lower Upper
106 100
91 206.1 158.3 237.5





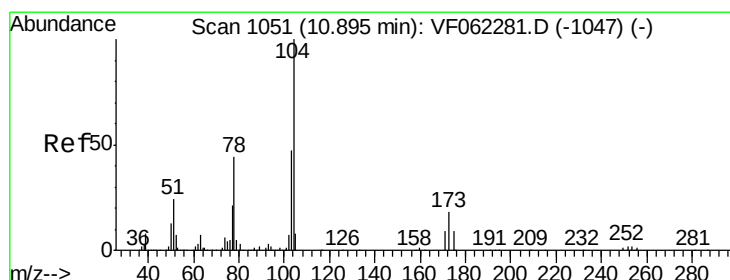
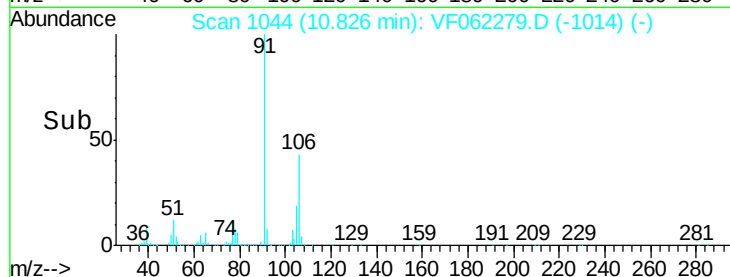
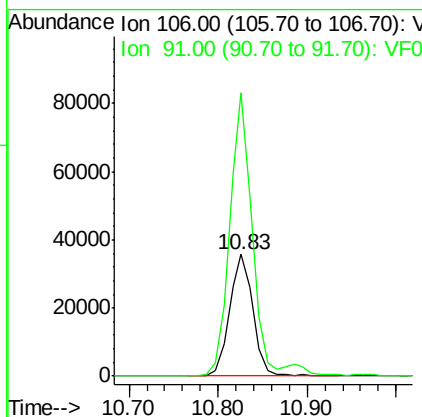
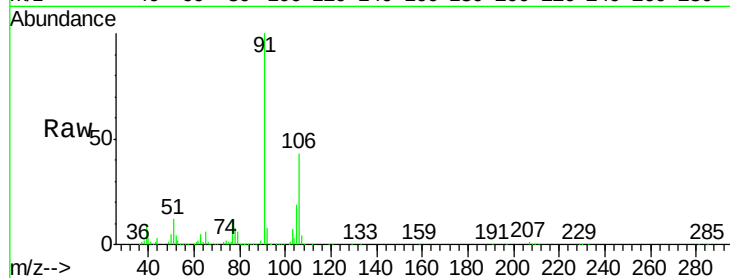
#69
o-Xylene
Concen: 10.284 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	219.9	110.0	330.0

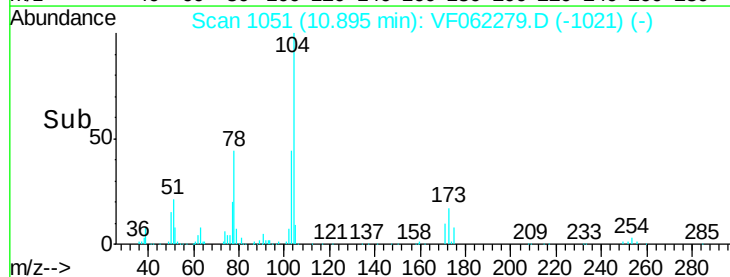
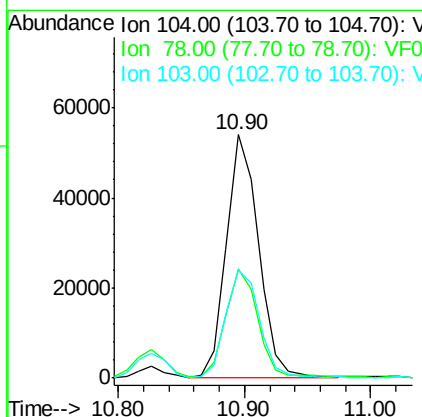
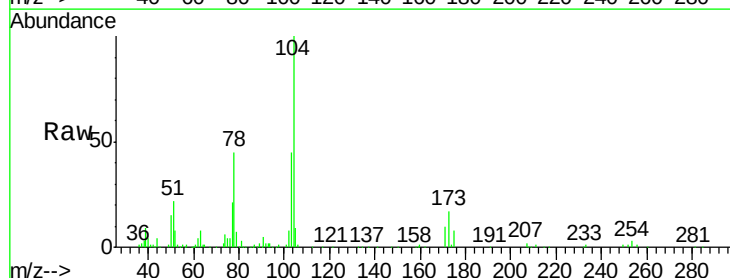
Manual Integrations
APPROVED

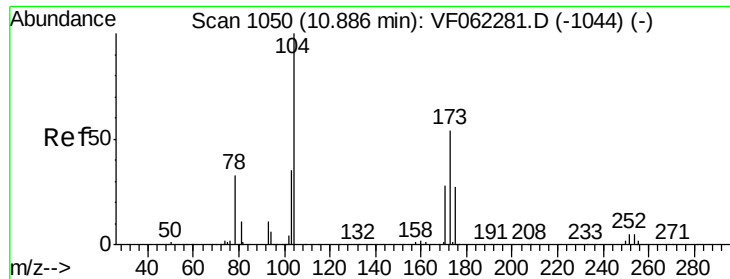
MMDadoda
4/26/2019 9:20:59 AM



#70
Styrene
Concen: 10.256 ug/l
RT: 10.90 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.7	35.9	53.9
103	47.1	37.5	56.3





#71

Bromoform

Concen: 10.449 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

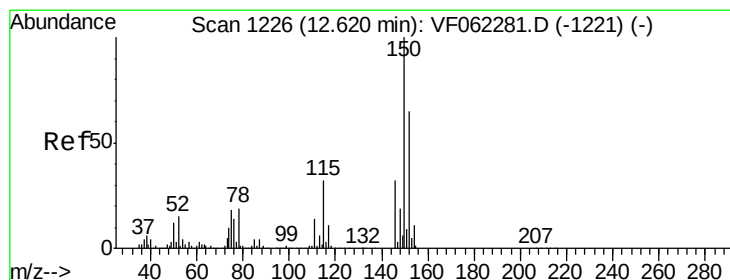
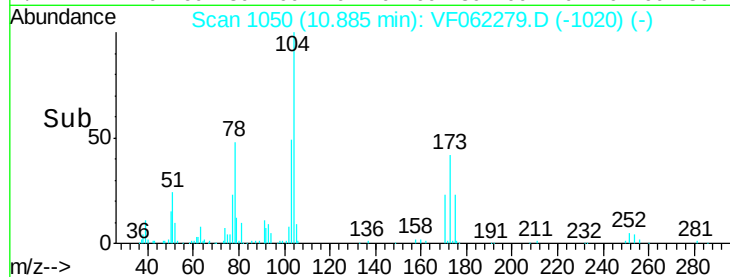
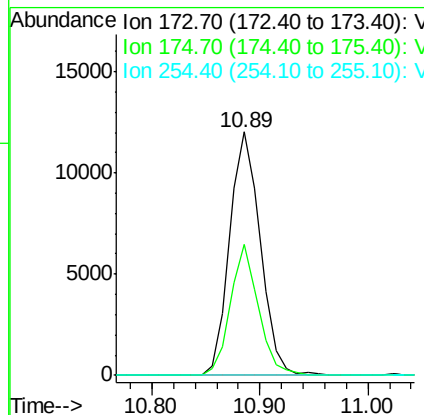
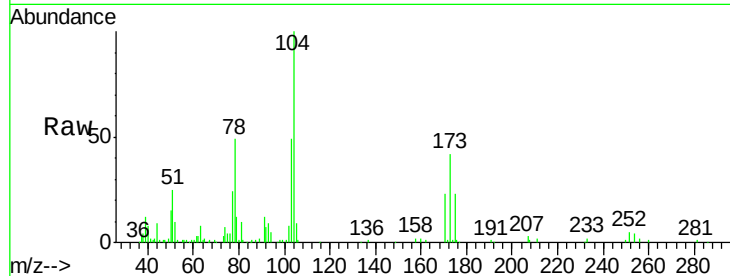
ClientSampleId :

VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	25.3	75.9
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

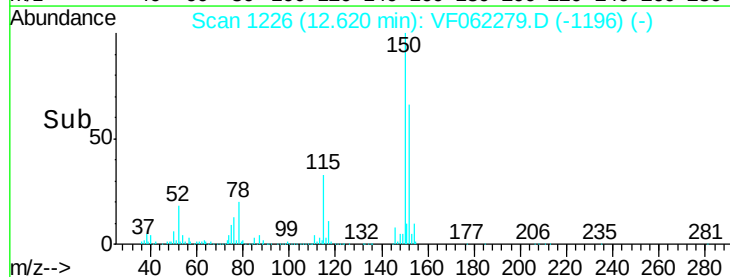
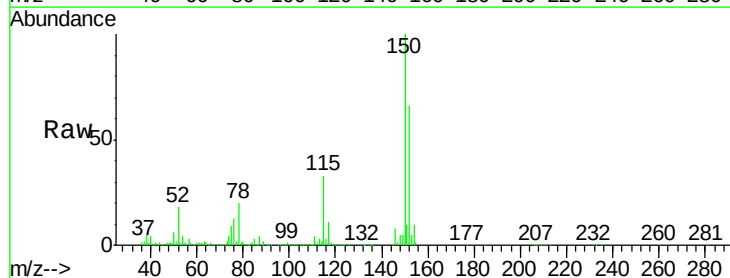
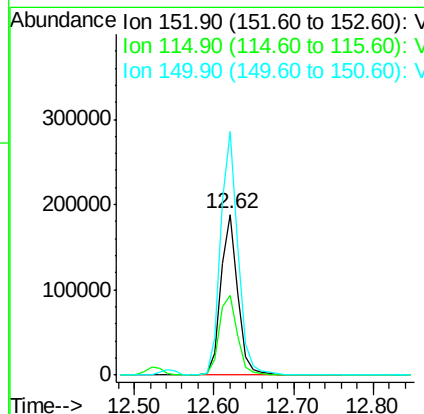
RT: 12.62 min Scan# 1226

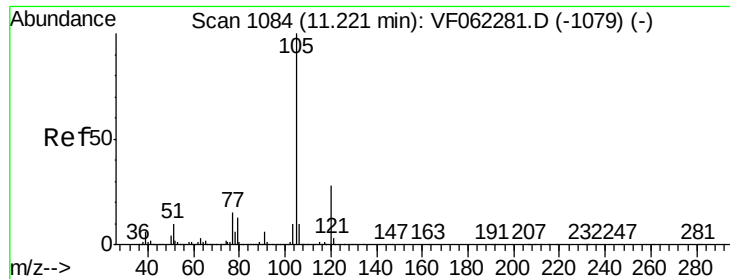
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	25.6	76.8
150	155.3	0.0	330.6





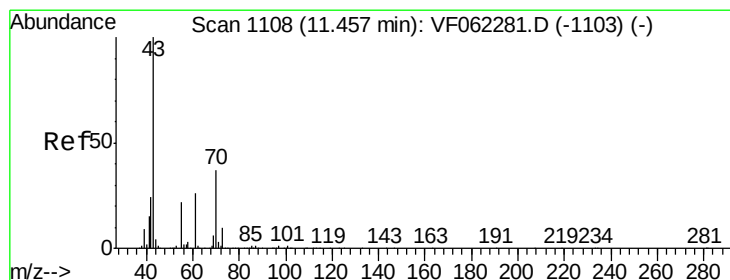
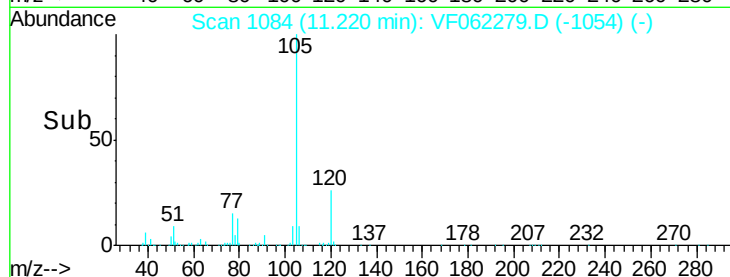
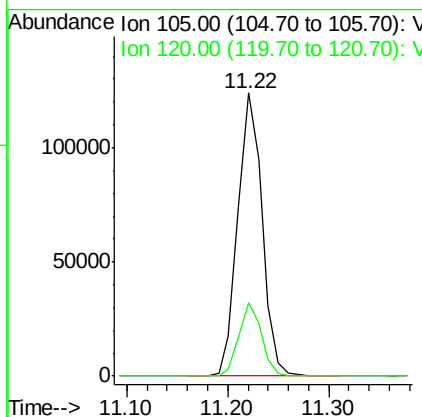
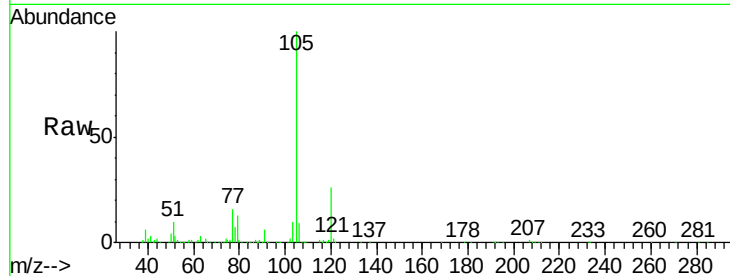
#73
Isopropylbenzene
Concen: 10.280 ug/l
RT: 11.22 min Scan# 1084
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
120	24.5	12.4	37.2

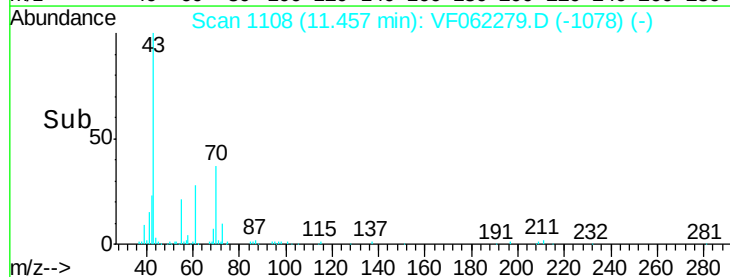
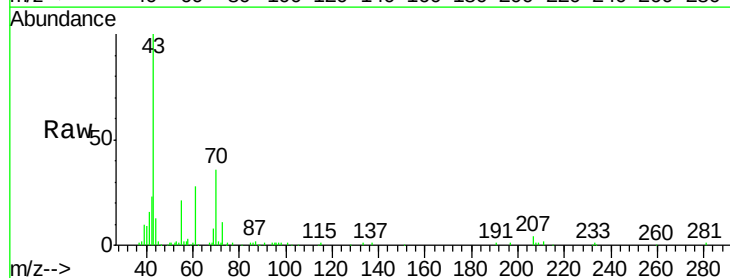
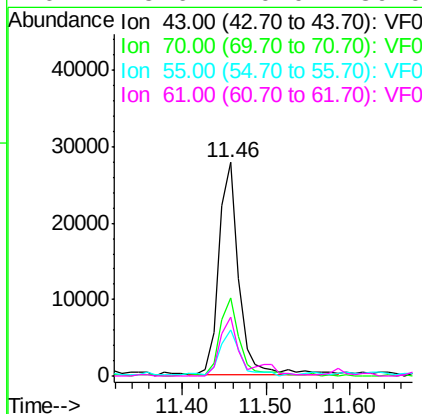
Manual Integrations
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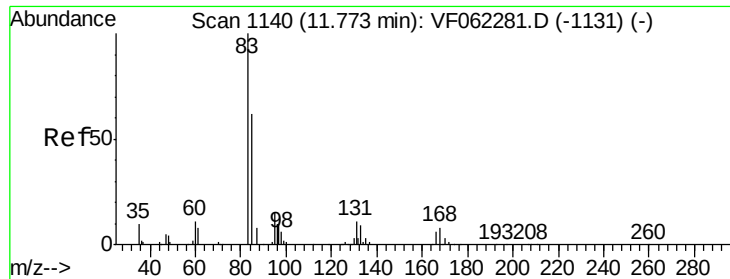
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#74
N-ethyl acetate
Concen: 9.902 ug/l
RT: 11.46 min Scan# 1108
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.5	27.8	41.8
55	23.7	16.6	24.8
61	25.6	20.0	30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.452 ug/l

RT: 11.77 min Scan# 1140

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

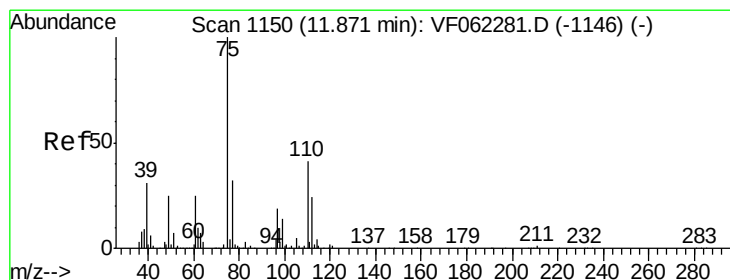
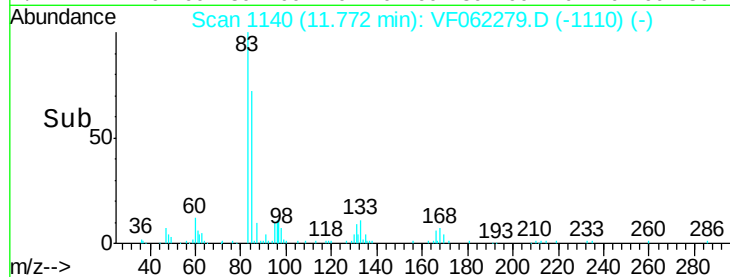
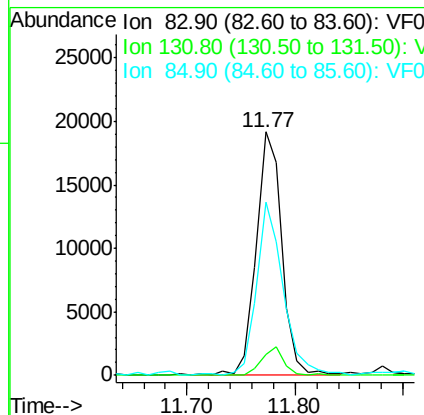
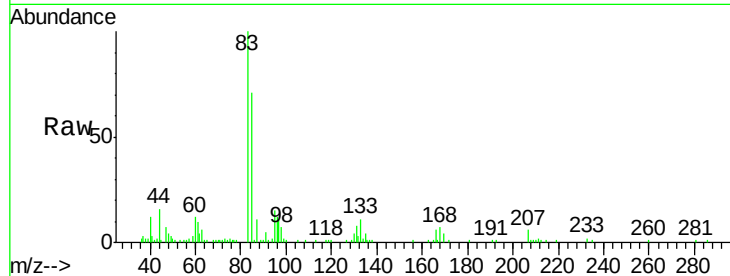
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	31727
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.5	16.5
85	74.1	34.5	103.6

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



#76

1,2,3-Trichloropropane

Concen: 10.268 ug/l

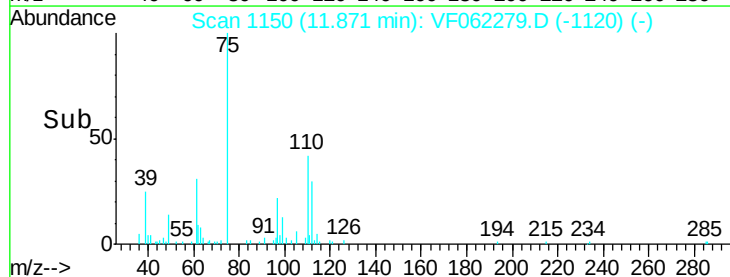
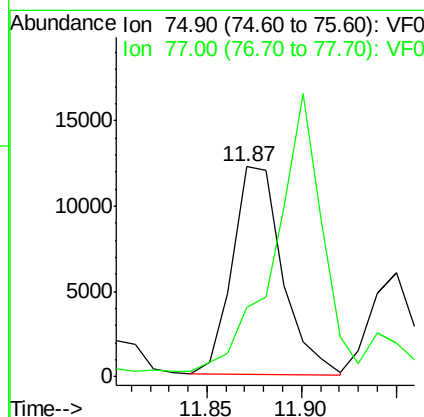
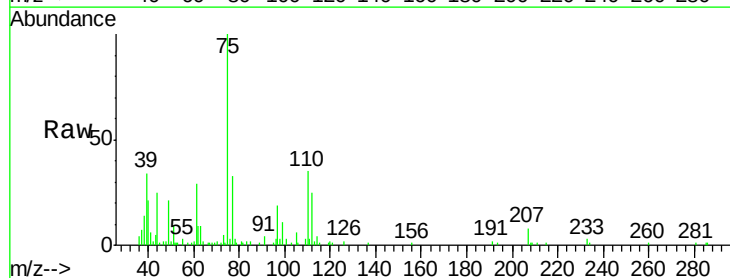
RT: 11.87 min Scan# 1150

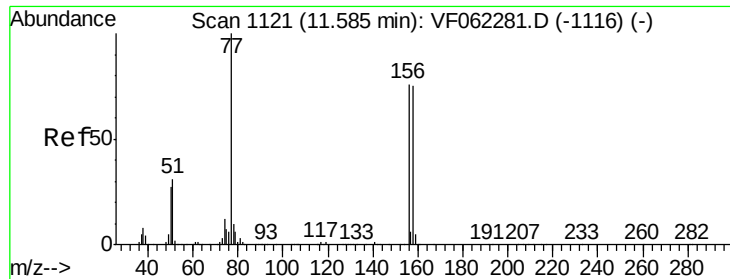
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	75	Resp:	22491
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.039 ug/l

RT: 11.59 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

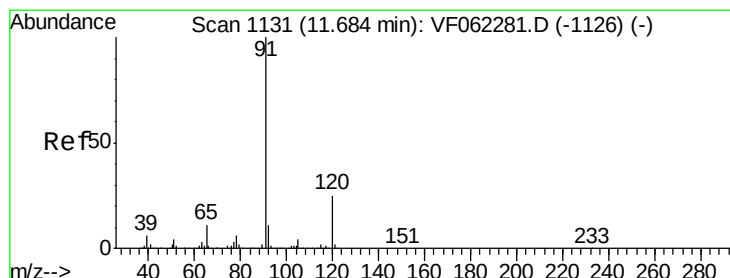
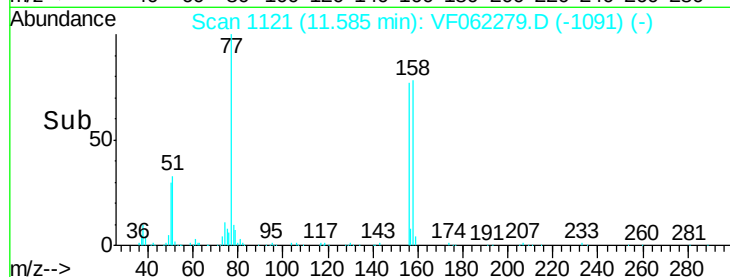
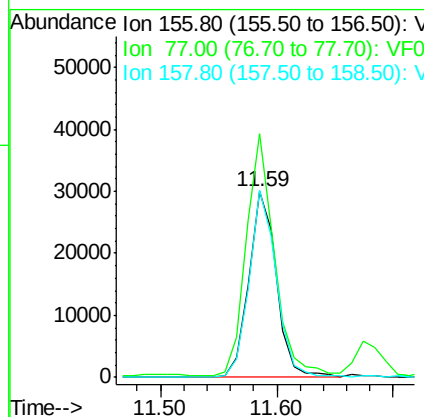
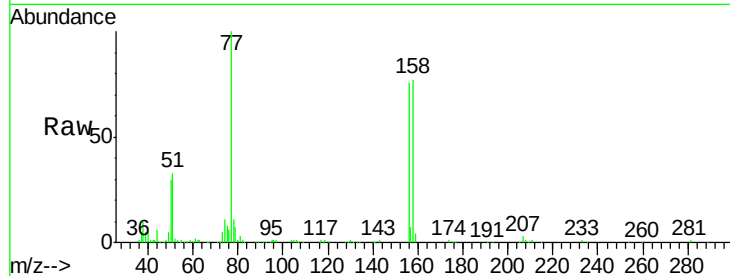
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	49144
Ion Ratio	Lower	Upper	
156	100		
77	132.8	67.3	201.9
158	99.6	49.5	148.5

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#78

n-propylbenzene

Concen: 10.483 ug/l

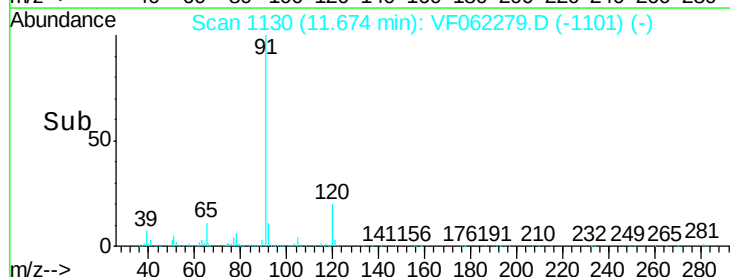
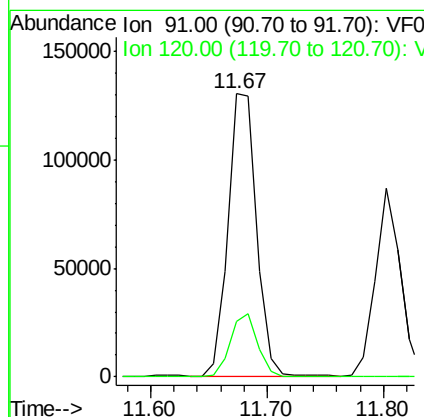
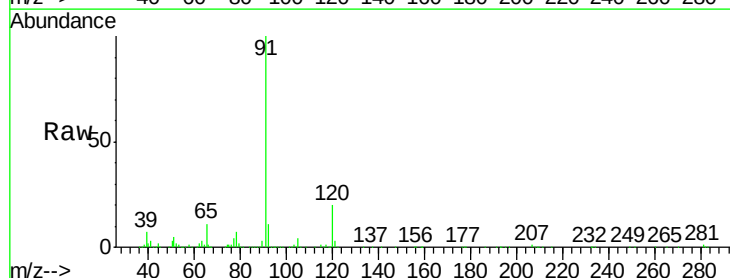
RT: 11.67 min Scan# 1130

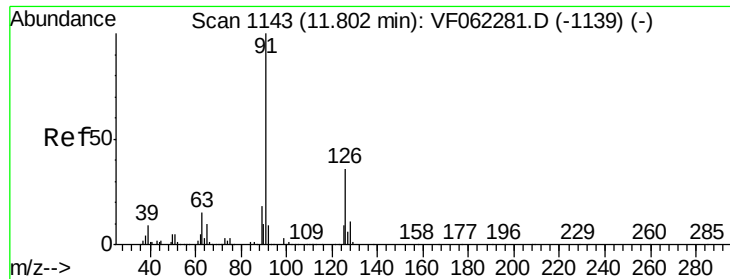
Delta R.T. -0.01 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	91	Resp:	221437
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.8	35.4





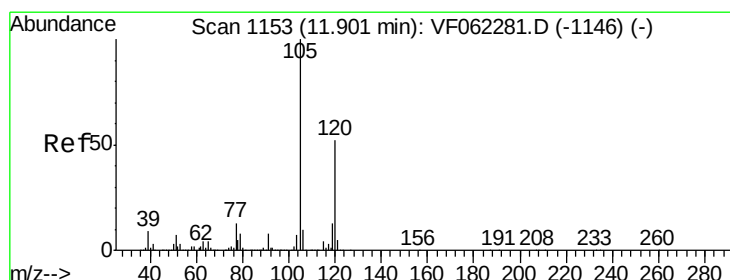
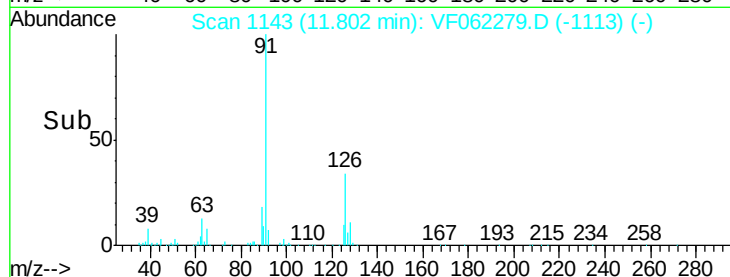
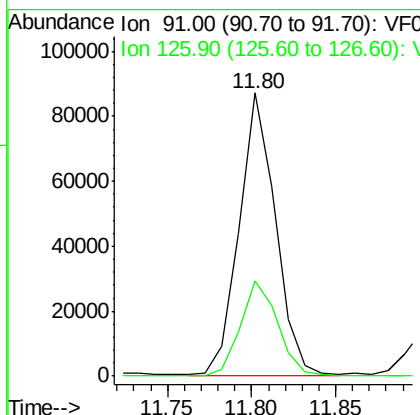
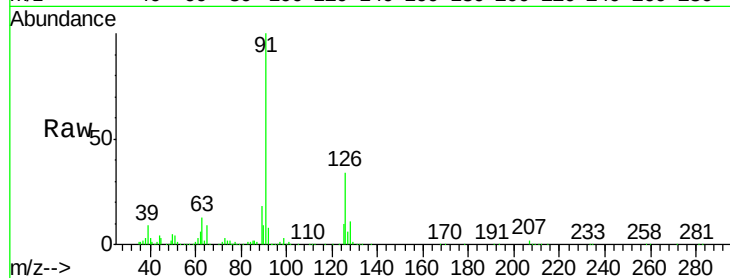
#79
 2-Chlorotoluene
 Concen: 10.381 ug/l
 RT: 11.80 min Scan# 1143
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion: 91 Resp: 130322
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.9 53.8

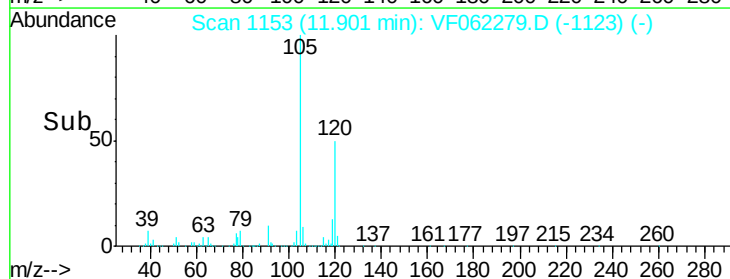
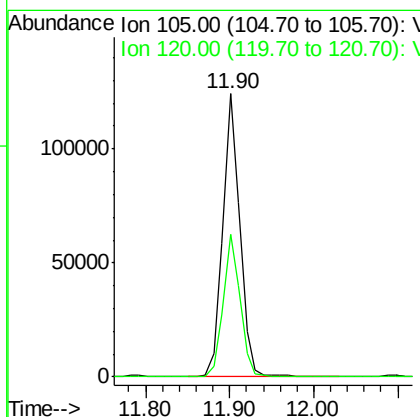
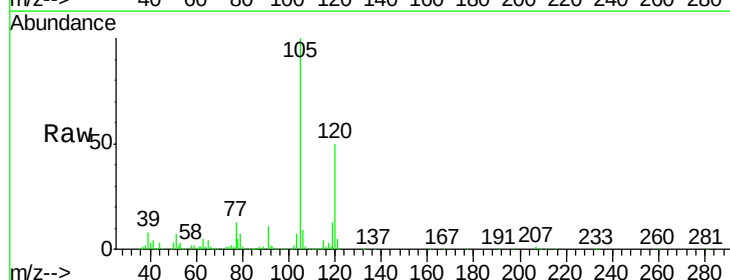
Manual Integrations
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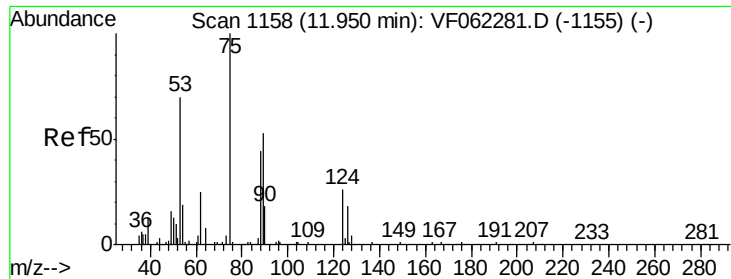
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#80
 1,3,5-Trimethylbenzene
 Concen: 10.365 ug/l
 RT: 11.90 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion: 105 Resp: 176040
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.8 77.4





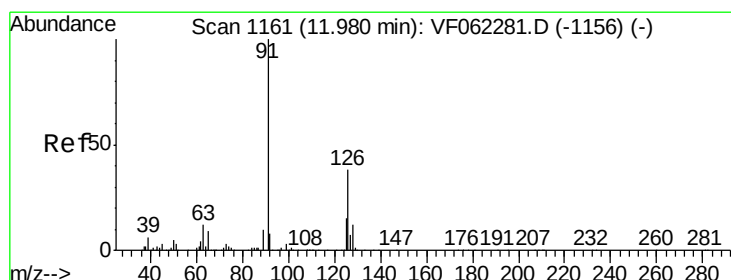
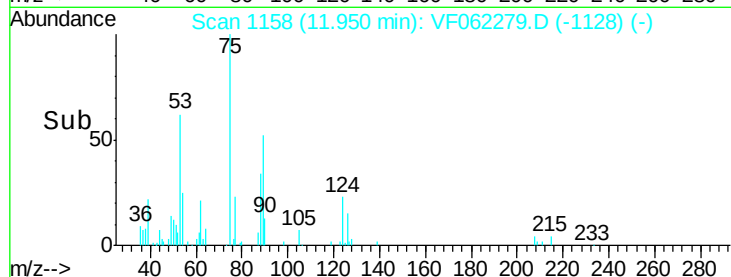
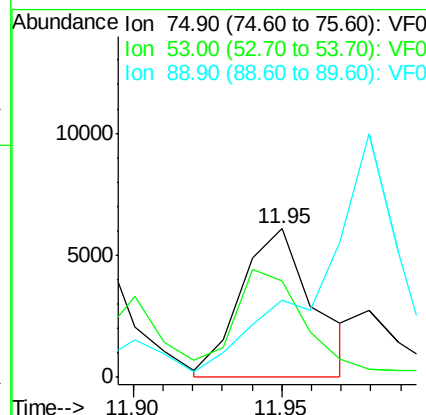
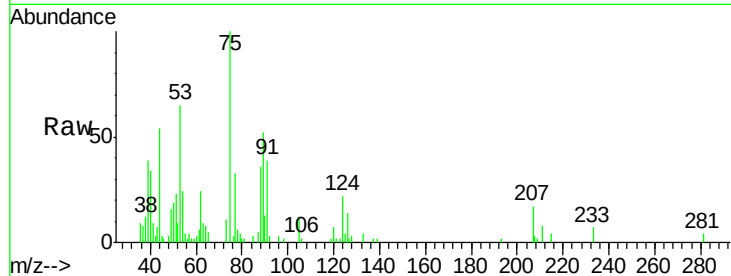
#81
trans-1,4-Dichloro-2-butene
Concen: 8.221 ug/l m
RT: 11.95 min Scan# 1158
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	76.4	67.1	100.7
89	0.0	0.0	0.0

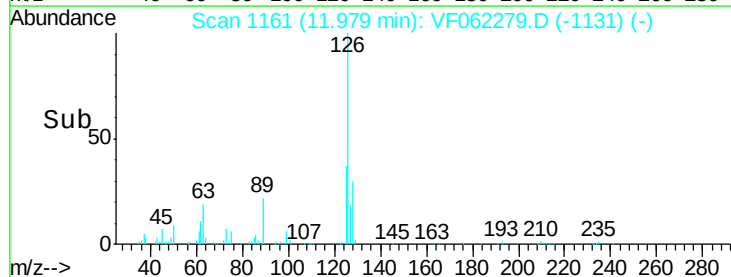
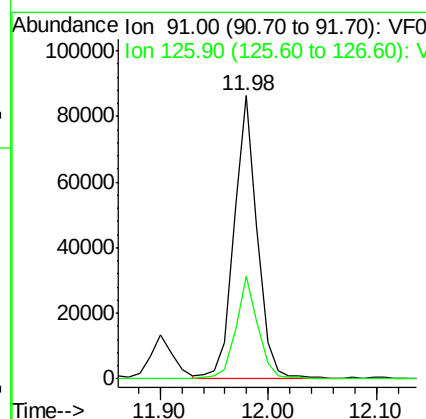
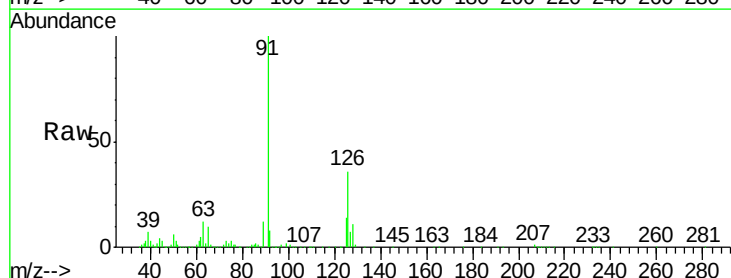
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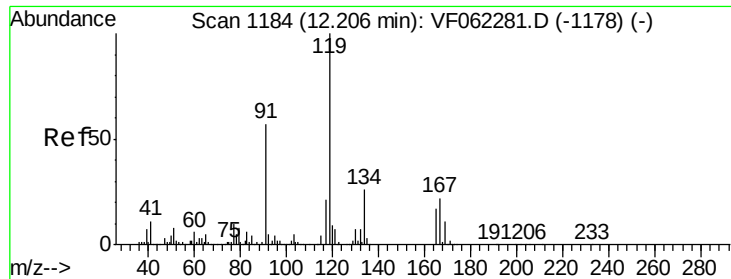
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#82
4-Chlorotoluene
Concen: 10.161 ug/l
RT: 11.98 min Scan# 1161
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.3	52.0





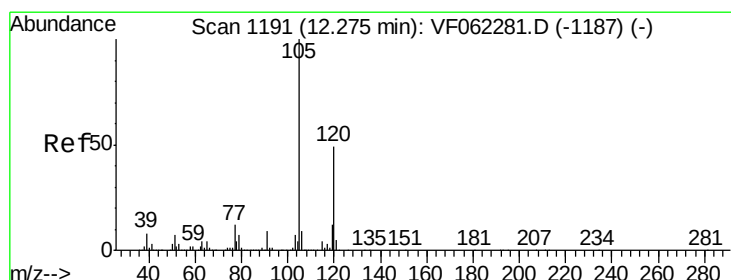
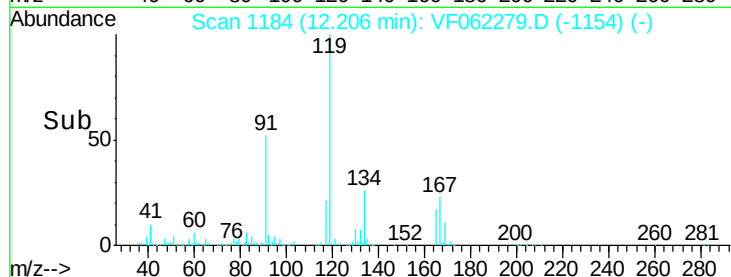
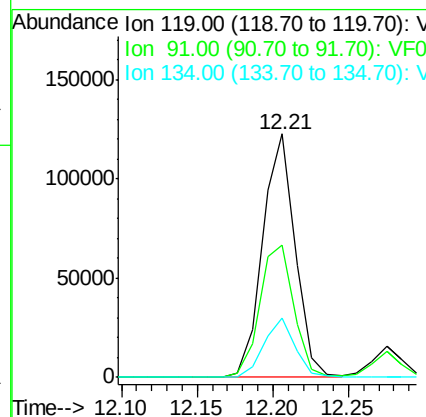
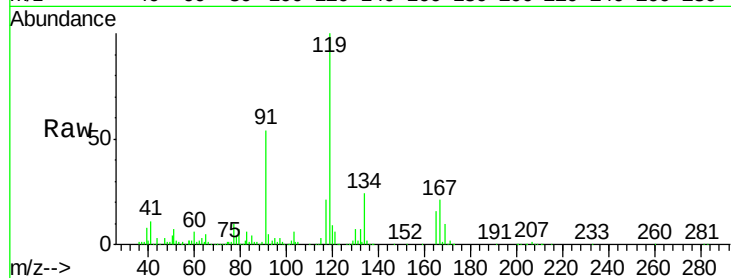
#83
 tert-Butylbenzene
 Concen: 10.385 ug/l
 RT: 12.21 min Scan# 1184
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
119	100	184918		
91	57.2		29.4	88.2
134	23.2		11.9	35.7

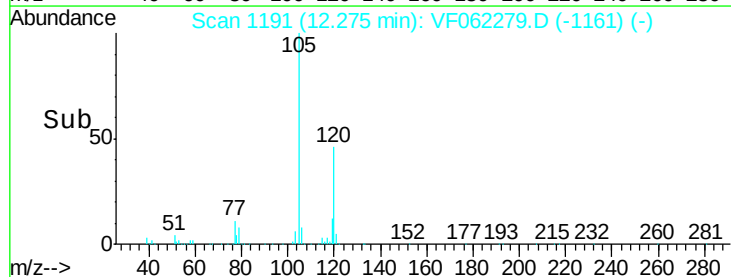
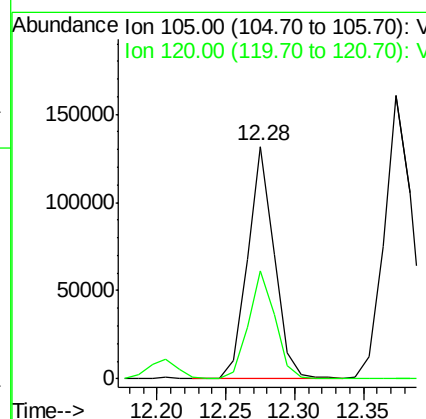
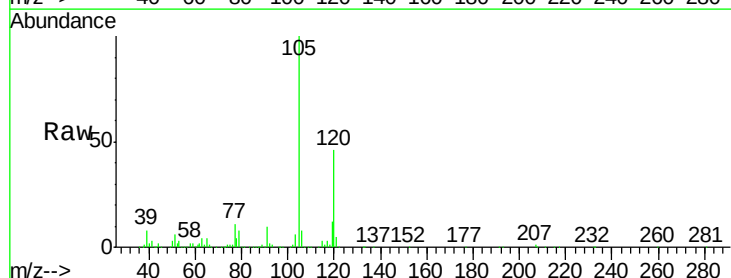
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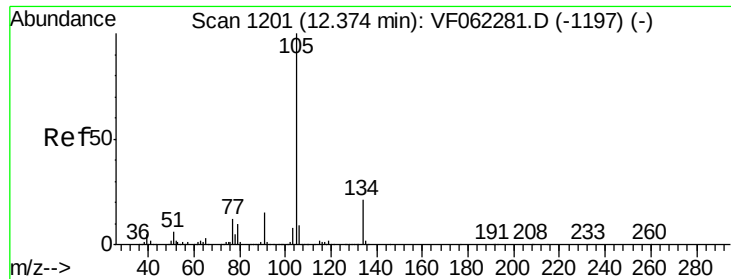
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#84
 1,2,4-Trimethylbenzene
 Concen: 10.581 ug/l
 RT: 12.28 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	176718		
120	46.8		24.1	72.2





#85

sec-Butylbenzene

Concen: 10.255 ug/l

RT: 12.37 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 226692

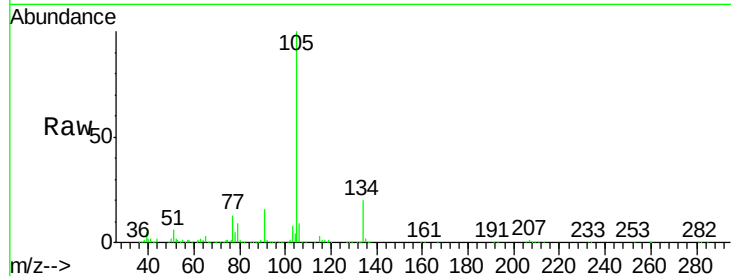
Ion Ratio Lower Upper

105 100

134 20.4 10.2 30.4

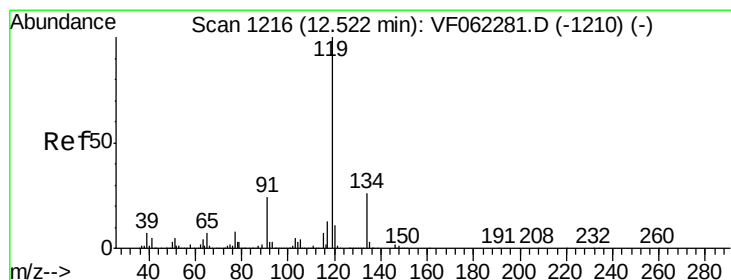
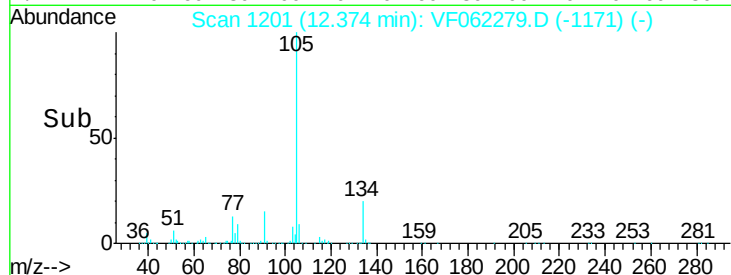
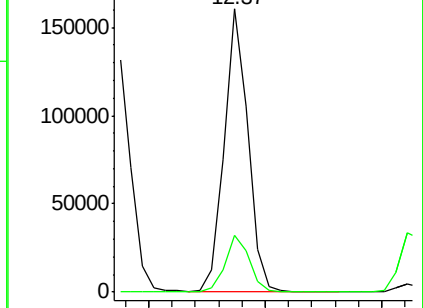
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 10.376 ug/l

RT: 12.52 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

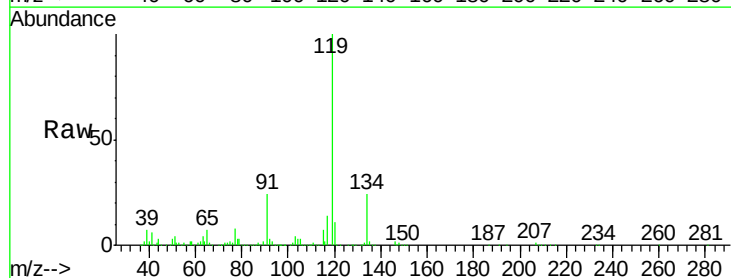
Tgt Ion:119 Resp: 204164

Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.5

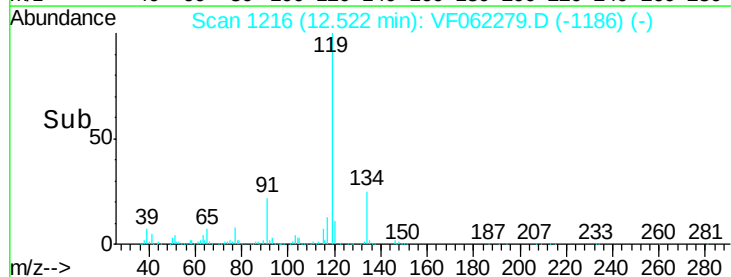
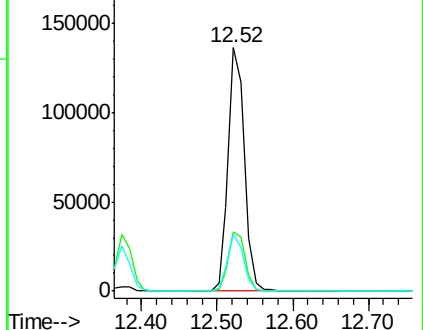
91 23.7 11.6 34.7

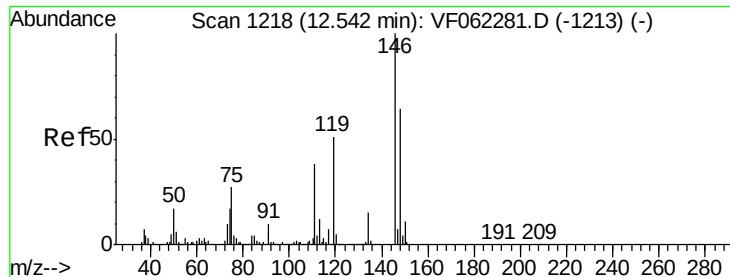


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VF0





#87

1,3-Dichlorobenzene

Concen: 10.418 ug/l

RT: 12.54 min Scan# 1218

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

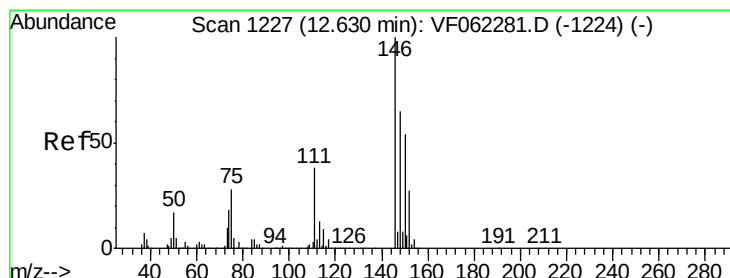
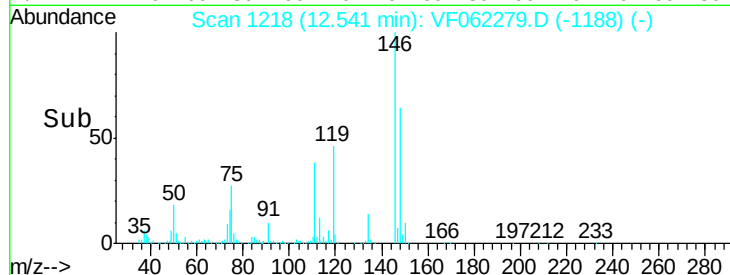
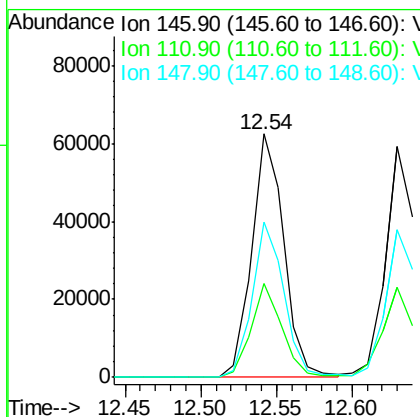
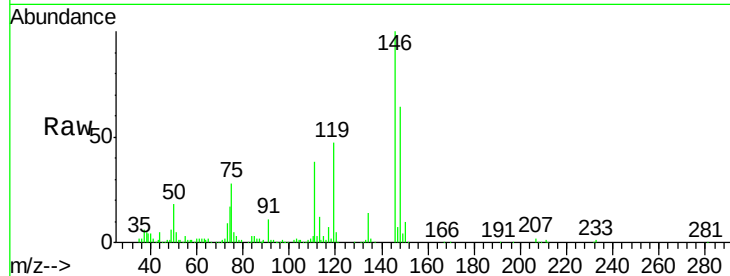
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	92800
Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	63.2	32.8	98.4

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#88

1,4-Dichlorobenzene

Concen: 10.342 ug/l

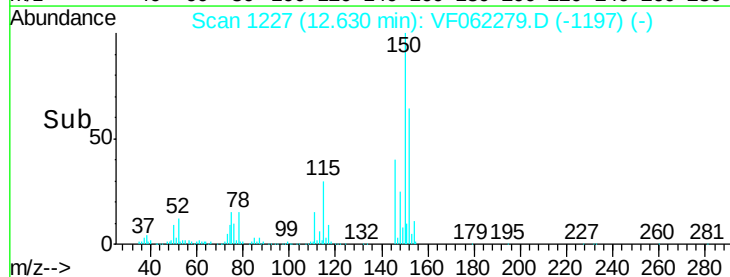
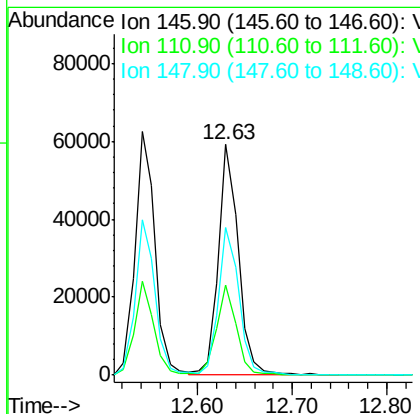
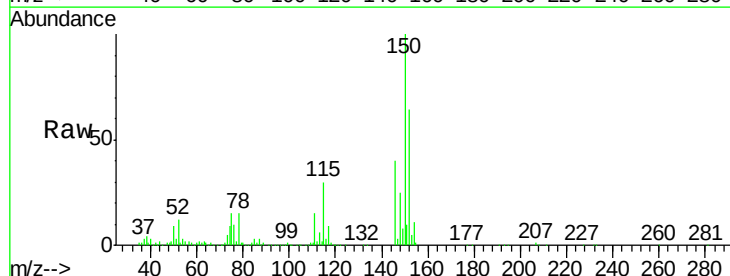
RT: 12.63 min Scan# 1227

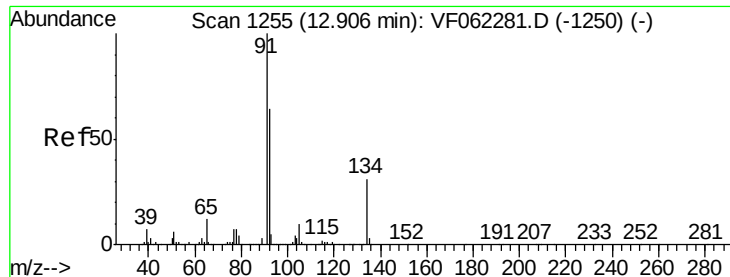
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	146	Resp:	86389
Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	56.0
148	66.0	32.5	97.5





#89

n-Butylbenzene

Concen: 10.700 ug/l

RT: 12.91 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Instrument :

MSVOA_F

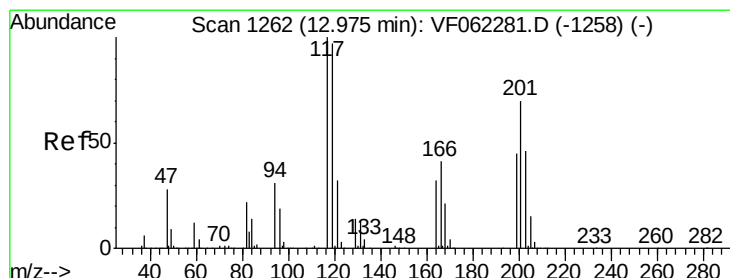
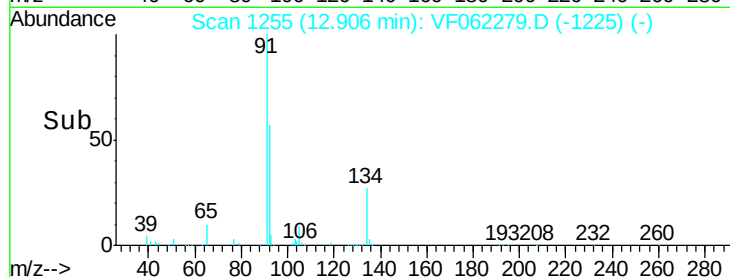
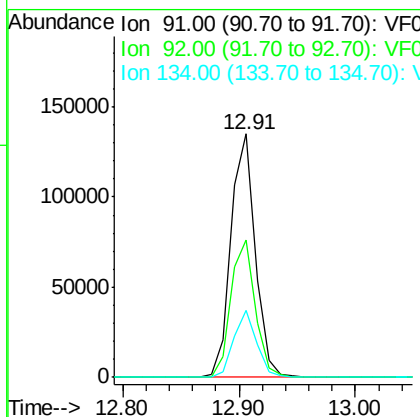
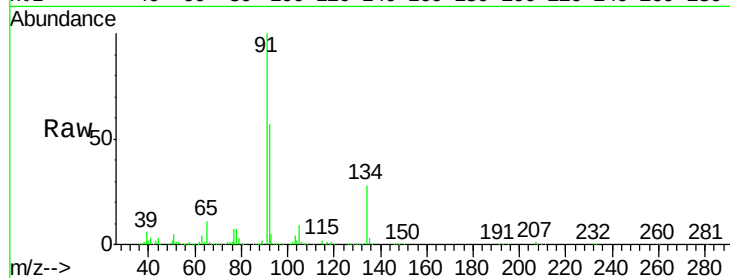
ClientSampleId :

VSTDIC010

Tot Ion:	91	Resp:	196336
Ion	Ratio	Lower	Upper
91	100		
92	56.2	31.1	93.3
134	25.8	14.4	43.4

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#90

Hexachloroethane

Concen: 10.731 ug/l

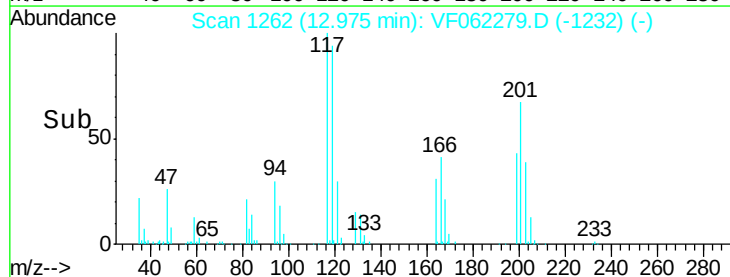
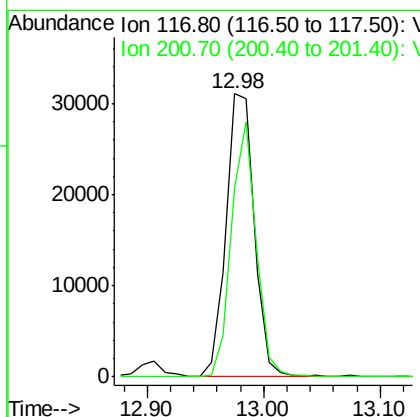
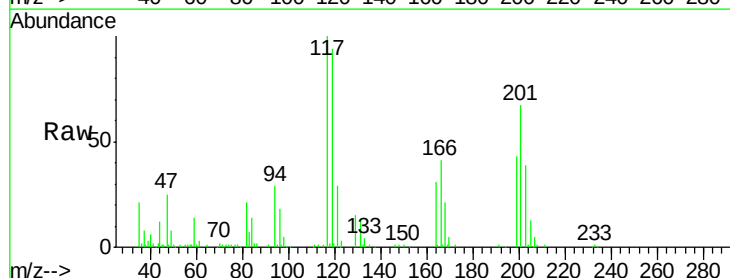
RT: 12.98 min Scan# 1262

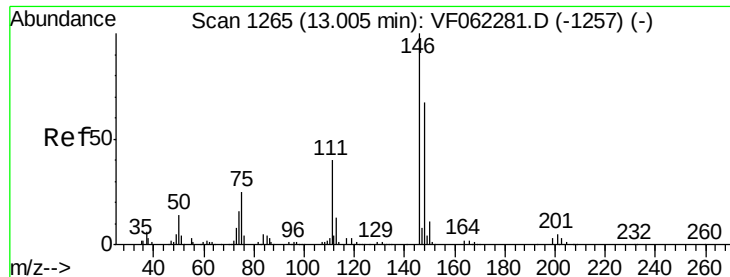
Delta R.T. -0.00 min

Lab File: VF062279.D

Acq: 24 Apr 2019 14:17

Tgt Ion:	117	Resp:	52389
Ion	Ratio	Lower	Upper
117	100		
201	78.7	42.9	128.5





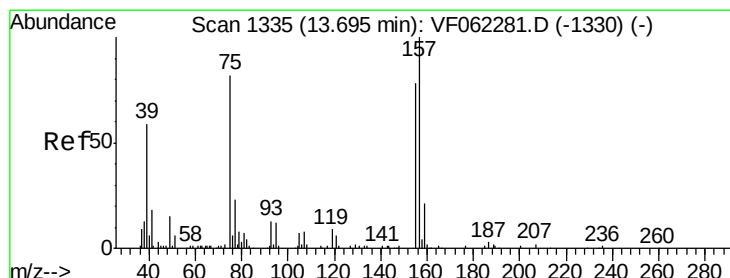
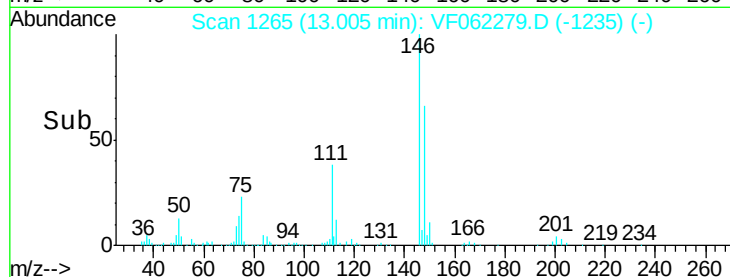
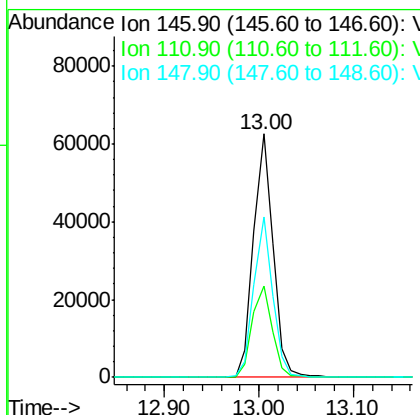
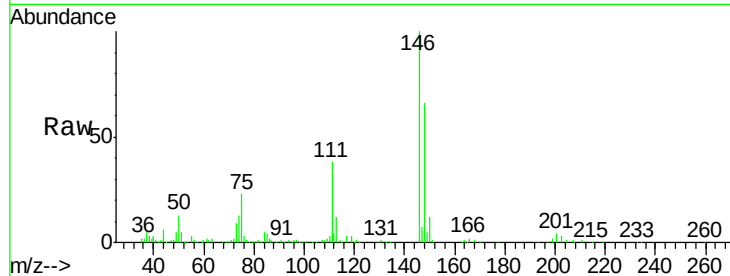
#91
 1,2-Dichlorobenzene
 Concen: 10.528 ug/l
 RT: 13.00 min Scan# 1265
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	20.0	59.9
148	63.8	33.1	99.5

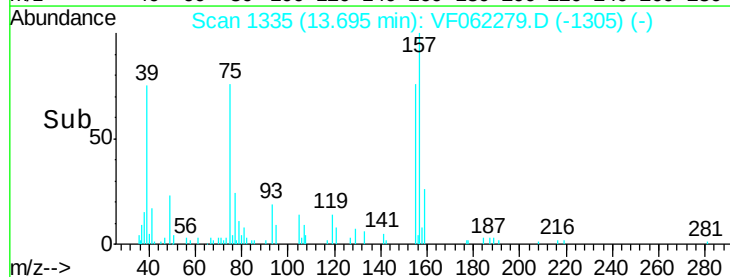
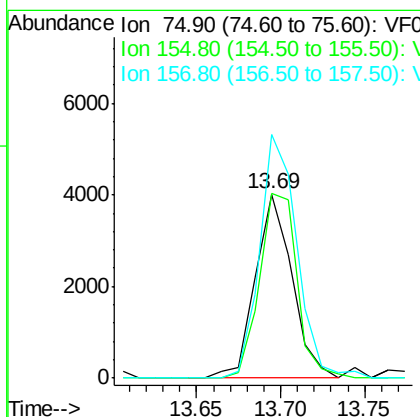
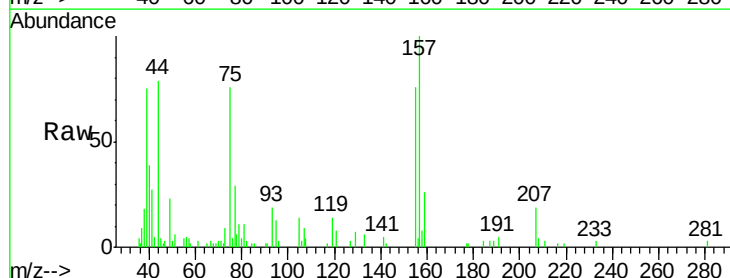
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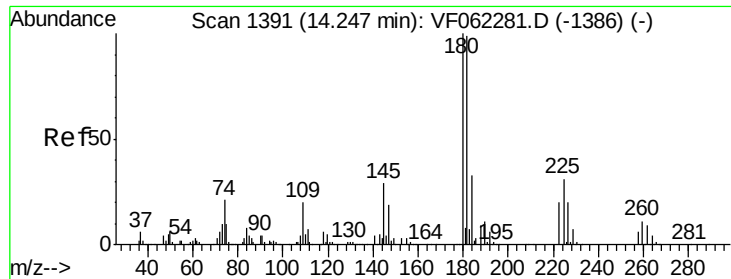
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.805 ug/l
 RT: 13.69 min Scan# 1335
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	102.9	51.7	155.2
157	134.8	64.5	193.5





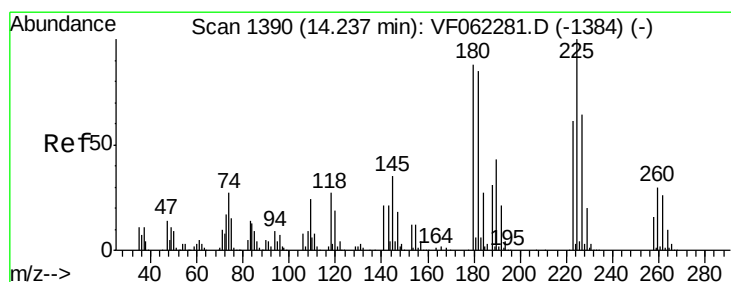
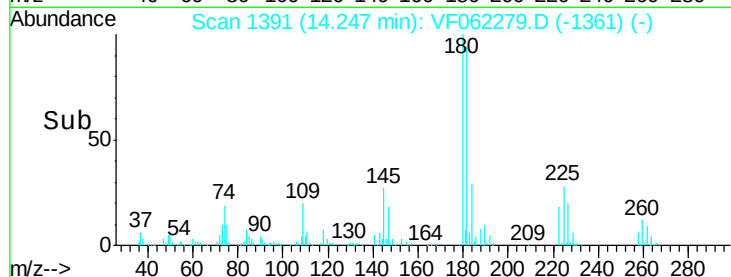
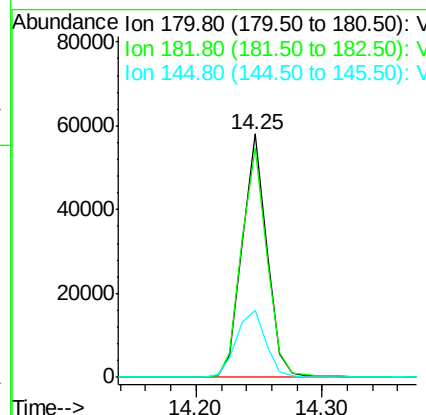
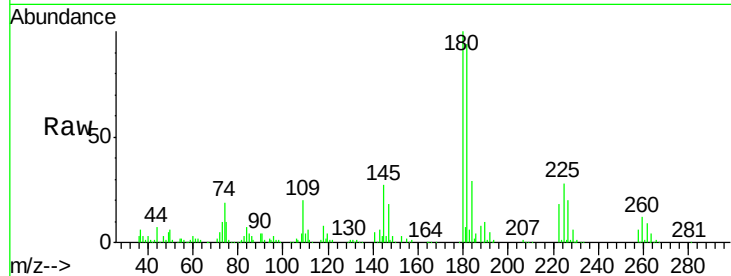
#93
 1,2,4-Trichlorobenzene
 Concen: 10.341 ug/l
 RT: 14.25 min Scan# 1391
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78454		
182	98.1	48.5	145.6	
145	33.2	16.7	50.1	

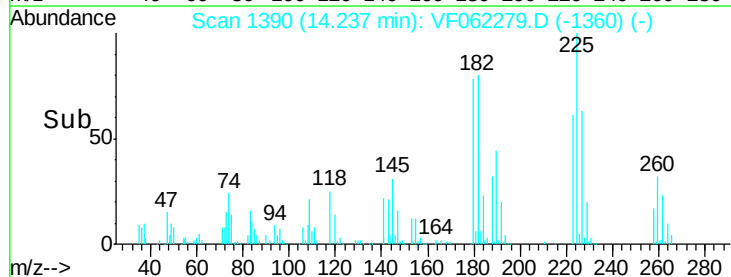
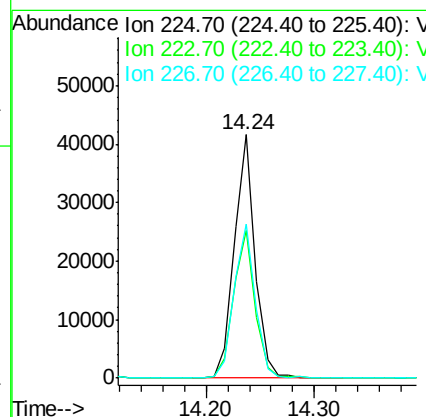
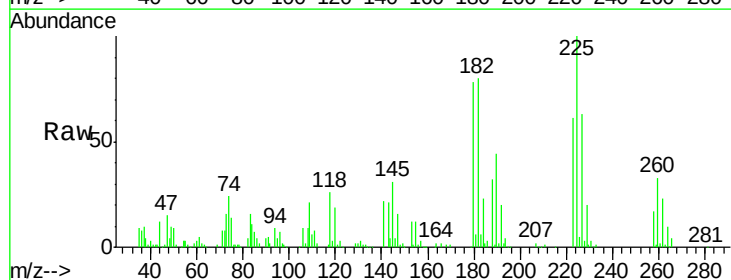
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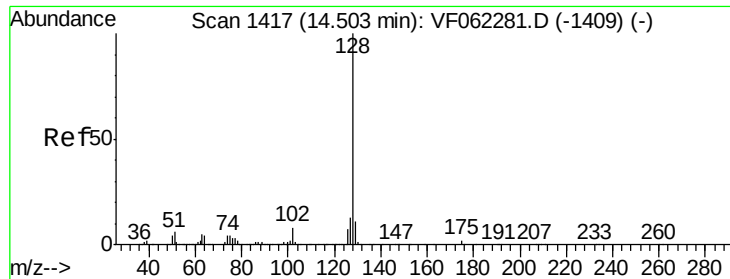
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#94
 Hexachlorobutadiene
 Concen: 10.300 ug/l
 RT: 14.24 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VF062279.D
 Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55465		
223	62.7	30.8	92.3	
227	65.1	31.9	95.5	





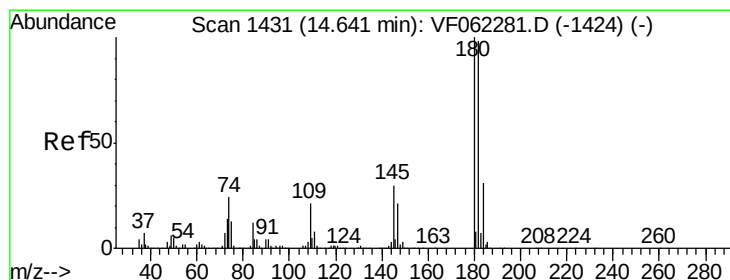
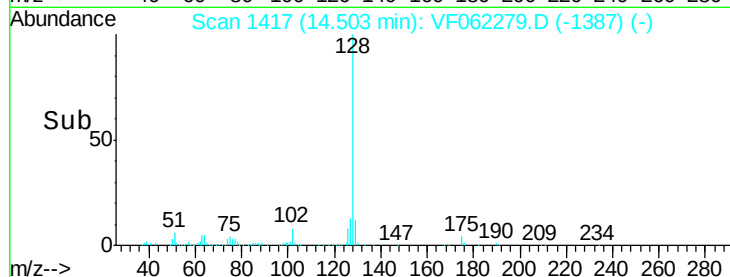
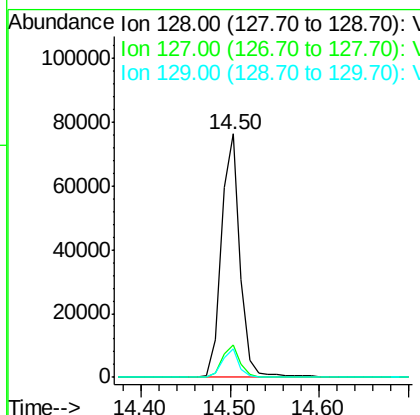
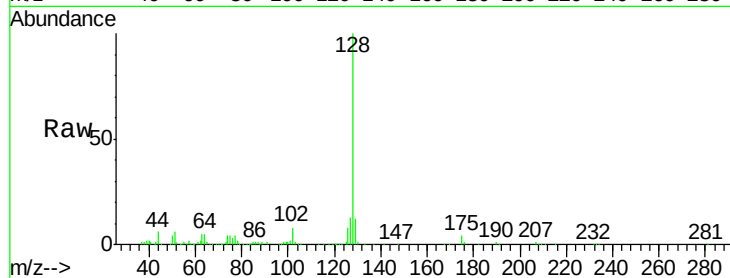
#95
Naphthalene
Concen: 9.950 ug/l
RT: 14.50 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
128	100	112087		
127	13.0		10.2	15.4
129	10.5		8.9	13.3

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 10.578 ug/l
RT: 14.65 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VF062279.D
Acq: 24 Apr 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	73868		
182	97.6		49.0	147.2
145	28.8		14.5	43.5

