

Data File : VF058109.D
Acq On : 6 Jun 2018 16:17
Operator : JC/SY
Sample : VSTDIC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Manual Integrations
APPROVED

apatel
6/7/2018 12:37:35 PM

Quant Time: Jun 07 10:47:16 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	381929	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	588672	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	580773	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	351147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	23687	4.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.98%	
35) Dibromofluoromethane	4.29	113	22096	5.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.12%	
50) Toluene-d8	7.71	98	67651	5.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.46%	
62) 4-Bromofluorobenzene	11.51	95	36204	5.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.18%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	22558	4.891	ug/l	96
3) Chloromethane	1.09	50	18648	5.103	ug/l	94
4) Vinyl Chloride	1.15	62	15123	4.957	ug/l	94
5) Bromomethane	1.33	94	9499	5.499	ug/l	97
6) Chloroethane	1.42	64	5596	4.306	ug/l	90
7) Trichlorofluoromethane	1.48	101	21538m	4.648	ug/l	
8) Diethyl Ether	1.70	74	6973	6.179	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	1.90	101	16564	5.799	ug/l	94
10) Methyl Iodide	1.97	142	28105m	5.535	ug/l	
11) Tert butyl alcohol	2.69	59	9047	33.331	ug/l #	90
12) 1,1-Dichloroethene	1.86	96	13680	5.505	ug/l	81
13) Acrolein	2.08	56	7706	43.644	ug/l	95
14) Allyl chloride	2.18	41	28959	6.095	ug/l	96
15) Acrylonitrile	3.07	53	13735	21.889	ug/l	93
16) Acetone	2.33	43	29133	28.028	ug/l	95
17) Carbon Disulfide	1.84	76	37301m	5.230	ug/l	
18) Methyl Acetate	2.45	43	11331m	5.846	ug/l	
19) Methyl tert-butyl Ether	2.54	73	41076	5.278	ug/l	97
20) Methylene Chloride	2.28	84	15780m	6.201	ug/l	
21) trans-1,2-Dichloroethene	2.41	96	15816	5.895	ug/l	89
22) Diisopropyl ether	2.92	45	52920	5.690	ug/l #	94
23) Vinyl Acetate	3.32	43	163738	24.027	ug/l	99
24) 1,1-Dichloroethane	3.00	63	30740	5.335	ug/l	97
25) 2-Butanone	4.51	43	48026	28.484	ug/l	99
26) 2,2-Dichloropropane	3.75	77	24046	5.905	ug/l	91
27) cis-1,2-Dichloroethene	3.63	96	22285	4.995	ug/l	95
28) Bromochloromethane	3.89	49	13052	5.128	ug/l	82
29) Tetrahydrofuran	4.25	42	19587	25.167	ug/l	96
30) Chloroform	4.03	83	44370	5.134	ug/l	96
31) Cyclohexane	3.86	56	29184	5.382	ug/l #	85
32) 1,1,1-Trichloroethane	4.27	97	33322	5.432	ug/l	92
36) 1,1-Dichloropropene	4.46	75	31751	5.333	ug/l	92
37) Ethyl Acetate	4.29	43	19946	5.682	ug/l	90
38) Carbon Tetrachloride	4.16	117	30806m	4.870	ug/l	

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	33253	5.405	ug/l	94
40) Benzene	4.80	78	77025	5.526	ug/l	94
41) Methacrylonitrile	4.92	41	9267	5.212	ug/l	96
42) 1,2-Dichloroethane	5.12	62	29495	4.928	ug/l	94
43) Isopropyl Acetate	7.11	43	25960	5.454	ug/l #	94
44) Trichloroethene	5.67	130	23200	5.344	ug/l	99
45) 1,2-Dichloropropane	6.41	63	20827	5.140	ug/l	97
46) Dibromomethane	6.24	93	14403	4.709	ug/l	88
47) Bromodichloromethane	6.55	83	35052	5.194	ug/l #	95
48) Methyl methacrylate	6.87	41	13916	4.626	ug/l	92
49) 1,4-Dioxane	6.86	88	2481	119.511	ug/l	96
51) 4-Methyl-2-Pentanone	8.40	43	96391	29.174	ug/l	98
52) Toluene	7.78	92	54112	5.467	ug/l	99
53) t-1,3-Dichloropropene	8.42	75	36543	5.667	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	37975	5.126	ug/l	96
55) 1,1,2-Trichloroethane	8.64	97	17884	4.970	ug/l	95
56) Ethyl methacrylate	8.76	69	22419	4.927	ug/l	97
57) 1,3-Dichloropropane	8.99	76	30967	4.943	ug/l	97
58) 2-Chloroethyl Vinyl ether	7.78	63	8828	28.060	ug/l	100
59) 2-Hexanone	9.63	43	79167	30.600	ug/l	97
60) Dibromochloromethane	8.86	129	25279	4.941	ug/l	97
61) 1,2-Dibromoethane	9.13	107	21075	4.909	ug/l	100
64) Tetrachloroethene	8.30	164	23920	5.456	ug/l	93
65) Chlorobenzene	9.94	112	61824	5.254	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.07	131	24094	5.238	ug/l	90
67) Ethyl Benzene	10.04	91	108859	5.263	ug/l	99
68) m/p-Xylenes	10.26	106	83104	10.838	ug/l	92
69) o-Xylene	10.83	106	44529	5.332	ug/l	91
70) Styrene	10.91	104	68888	5.501	ug/l	93
71) Bromoform	10.89	173	15018	4.748	ug/l	97
73) Isopropylbenzene	11.23	105	136653	5.480	ug/l	100
74) N-amyl acetate	11.47	43	47290	5.085	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.78	83	31810	5.325	ug/l	97
76) 1,2,3-Trichloropropane	11.88	75	22771	5.224	ug/l	98
77) Bromobenzene	11.60	156	32593	5.245	ug/l	88
78) n-propylbenzene	11.68	91	165799	5.564	ug/l	95
79) 2-Chlorotoluene	11.81	91	97152	5.519	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	115182	5.572	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	15388	5.574	ug/l	93
82) 4-Chlorotoluene	11.99	91	103493	5.575	ug/l	98
83) tert-Butylbenzene	12.22	119	114912	5.558	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	118764	5.538	ug/l	93
85) sec-Butylbenzene	12.38	105	160362	5.726	ug/l	93
86) p-Isopropyltoluene	12.54	119	123761	5.301	ug/l	98
87) 1,3-Dichlorobenzene	12.55	146	66109	5.771	ug/l	99
88) 1,4-Dichlorobenzene	12.64	146	59836	5.441	ug/l	90
89) n-Butylbenzene	12.92	91	136336	5.603	ug/l	89
90) Hexachloroethane	12.99	117	29014	5.153	ug/l	79
91) 1,2-Dichlorobenzene	13.01	146	60651	5.454	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	5238	4.597	ug/l	71

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF060618\
Quantitation Report (QT Reviewed)

Data File : VF058109.D
Acq On : 6 Jun 2018 16:17
Operator : JC/SY
Sample : VSTDICC005
Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	41375	5.305	ug/l	95
94) Hexachlorobutadiene	14.26	225	23859	5.299	ug/l	95
95) Naphthalene	14.52	128	82743	4.970	ug/l	97
96) 1,2,3-Trichlorobenzene	14.67	180	36180	4.924	ug/l	96

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

Data File : VF058109.D

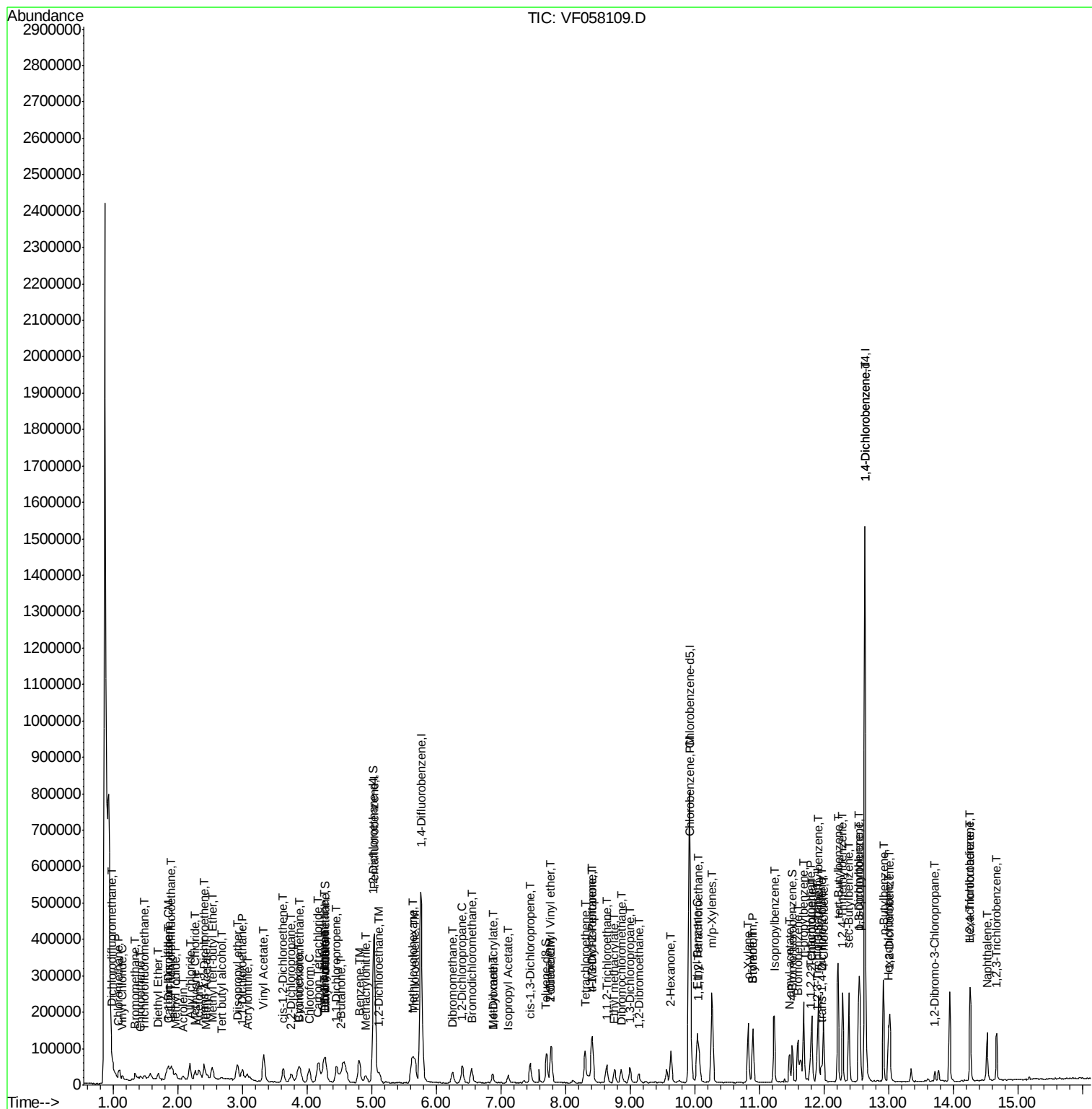
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Acq On       : 6 Jun 2018 16:17
Operator    : JC/SY
Sample      : VSTDIC005
Misc       : 5.00g/5mL/MSV0A-F/SOIL
ALS Vial    : 3      Sample Multiplier: 1
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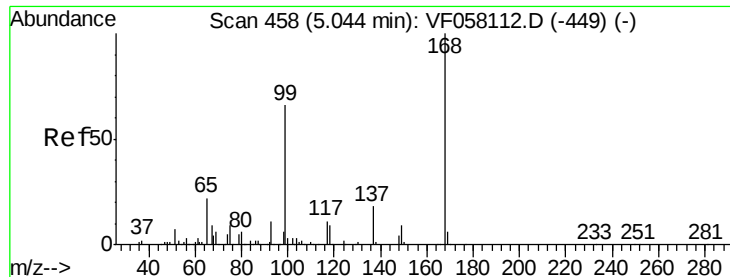
Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

Manual Integrations
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Quant Time: Jun 07 10:47:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 05:56:32 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 168 Resp: 381929

Ion Ratio Lower Upper

168 100

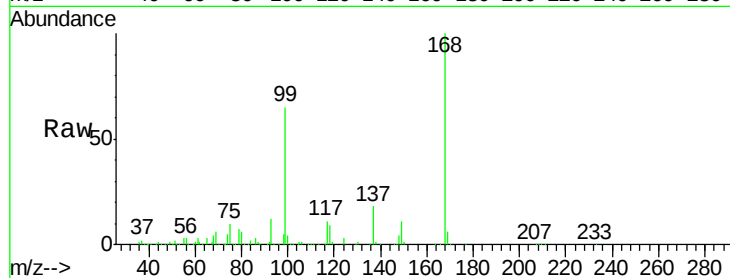
99 65.2 52.9 79.3

Manual Integrations

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

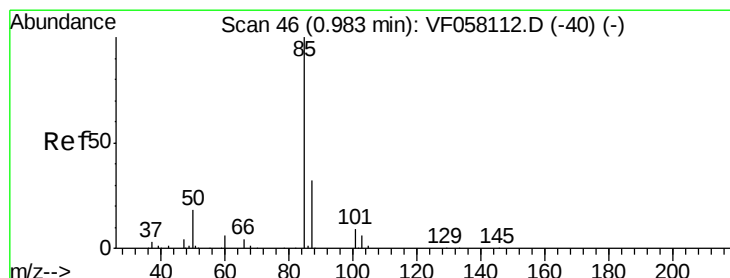
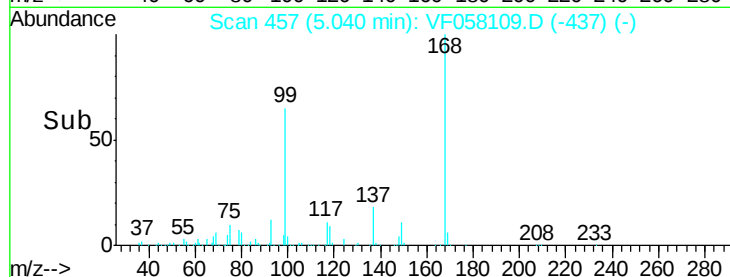
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.891 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.01 min

Lab File: VF058109.D

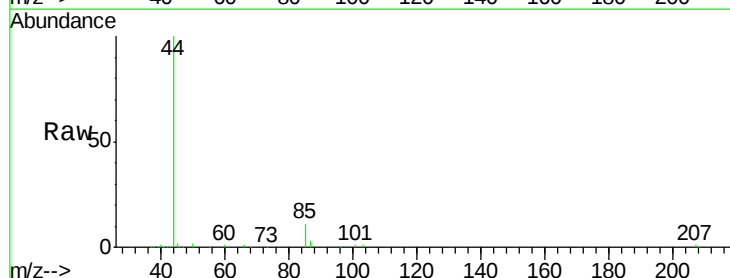
Acq: 6 Jun 2018 16:17

Tgt Ion: 85 Resp: 22558

Ion Ratio Lower Upper

85 100

87 30.1 16.2 48.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

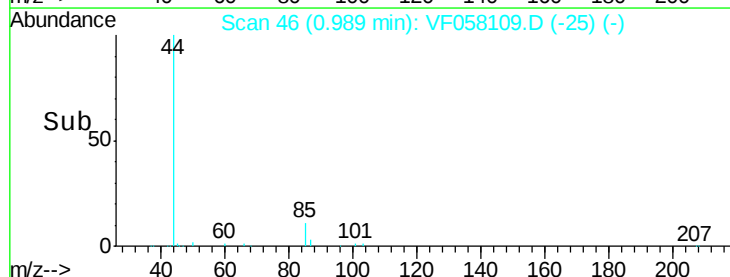
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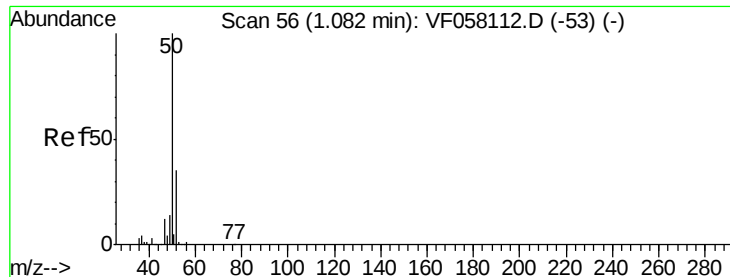
4000

2000

0

Time-->





#3

Chloromethane

Concen: 5.103 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 50 Resp: 18648

Ion Ratio Lower Upper

50 100

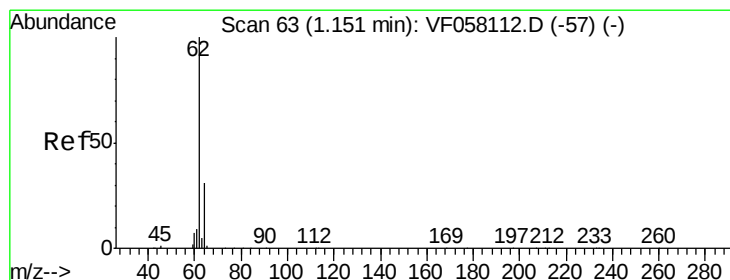
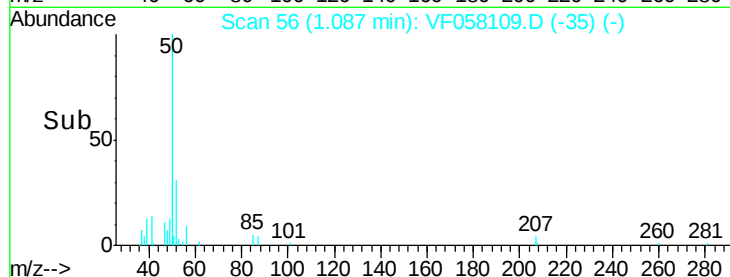
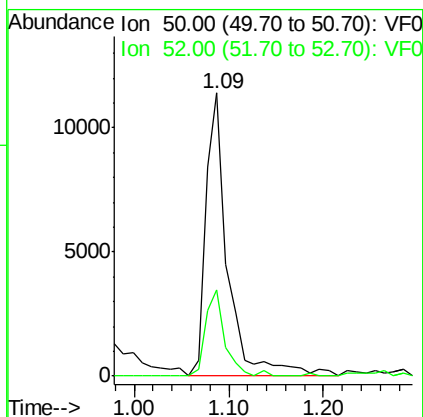
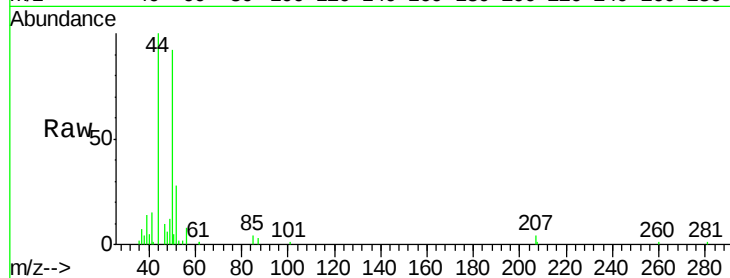
52 30.4 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 4.957 ug/l

RT: 1.15 min Scan# 62

Delta R.T. -0.00 min

Lab File: VF058109.D

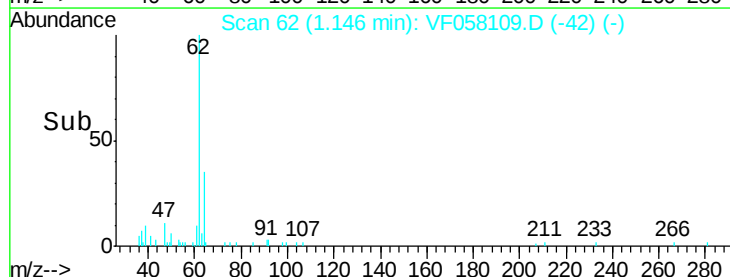
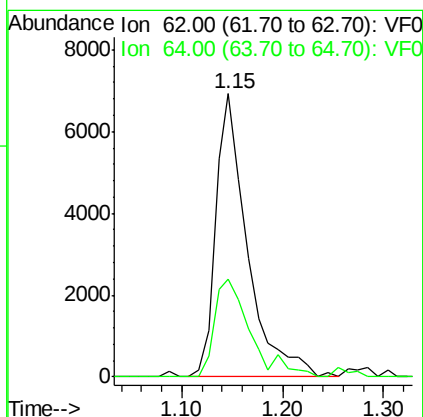
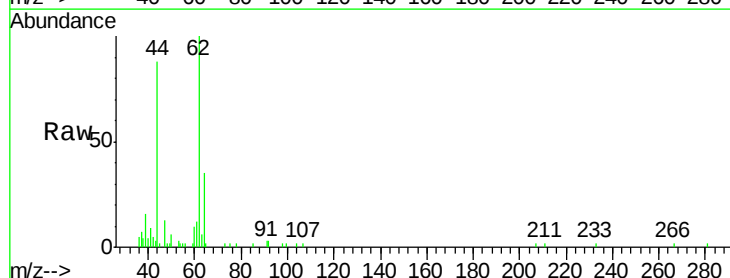
Acq: 6 Jun 2018 16:17

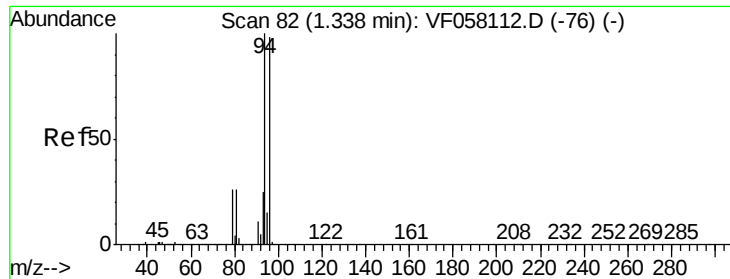
Tgt Ion: 62 Resp: 15123

Ion Ratio Lower Upper

62 100

64 34.7 25.0 37.6





#5

Bromomethane

Concen: 5.499 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 94 Resp: 9499

Ion Ratio Lower Upper

94 100

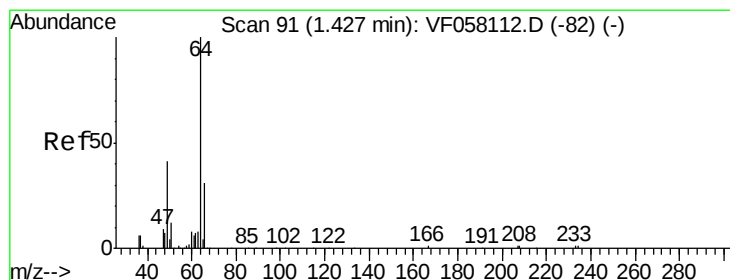
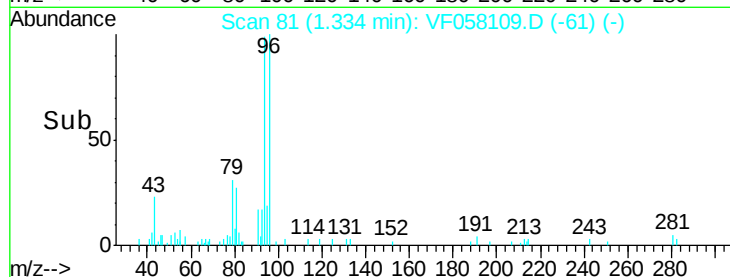
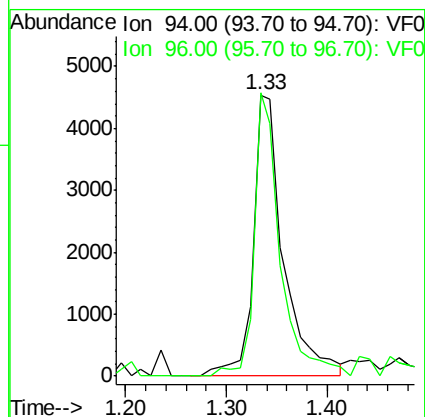
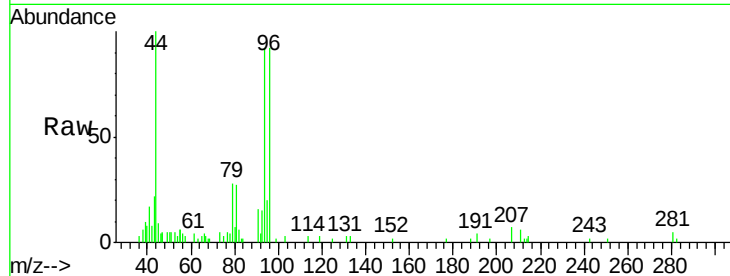
96 100.7 78.6 117.8

Manual Integrations

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#6

Chloroethane

Concen: 4.306 ug/l

RT: 1.42 min Scan# 90

Delta R.T. -0.00 min

Lab File: VF058109.D

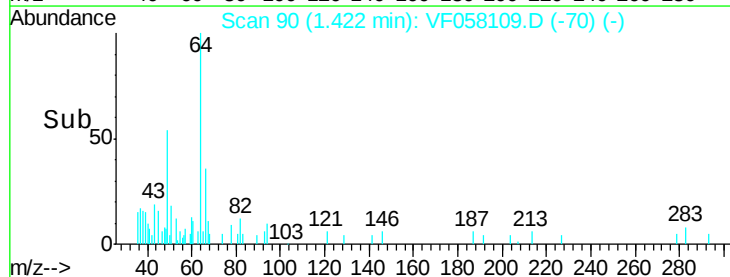
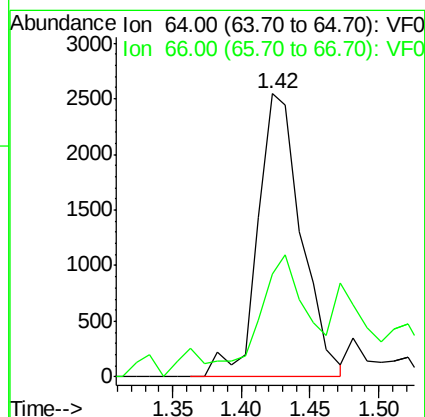
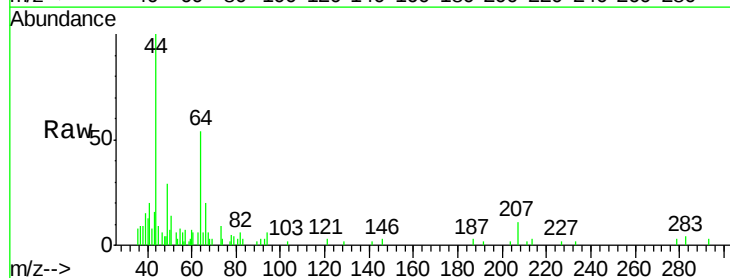
Acq: 6 Jun 2018 16:17

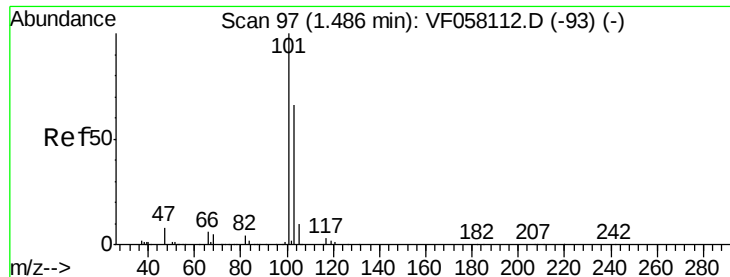
Tgt Ion: 64 Resp: 5596

Ion Ratio Lower Upper

64 100

66 36.4 24.9 37.3





#7

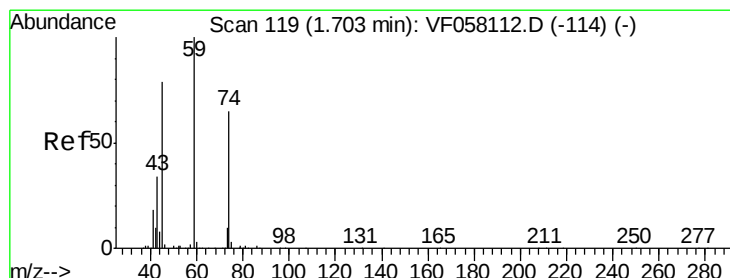
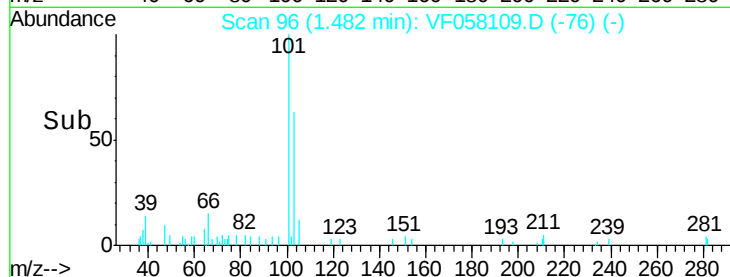
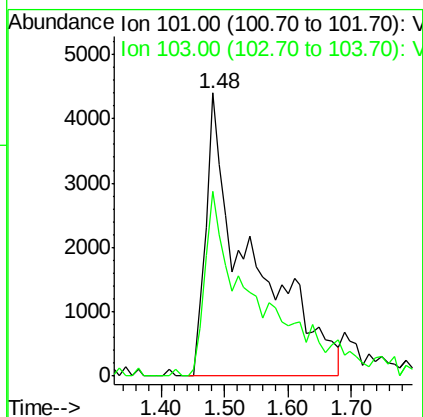
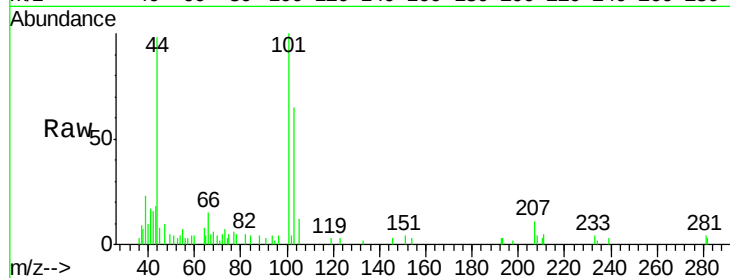
Trichlorofluoromethane
Concen: 4.648 ug/l
RT: 1.48 min Scan# 96
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:101 Resp: 21538
Ion Ratio Lower Upper
101 100
103 65.4 53.4 80.2

Manual Integrations
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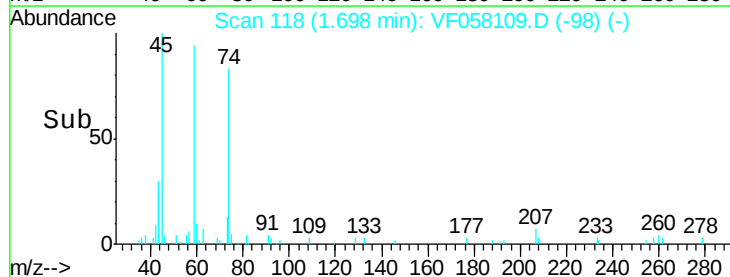
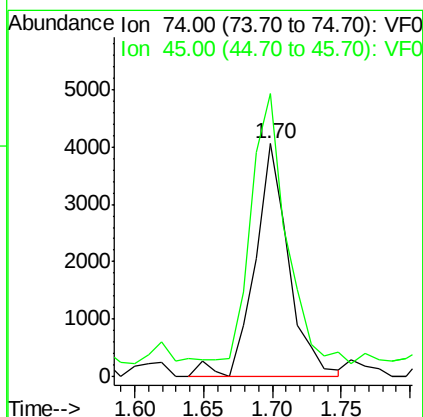
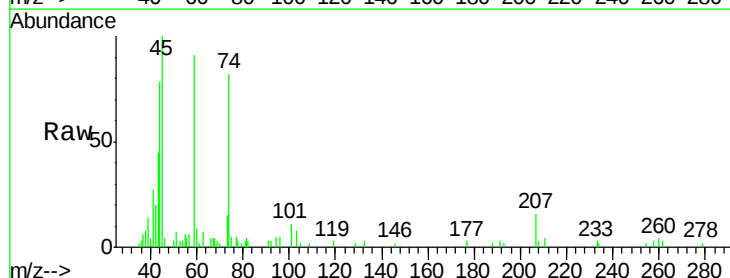
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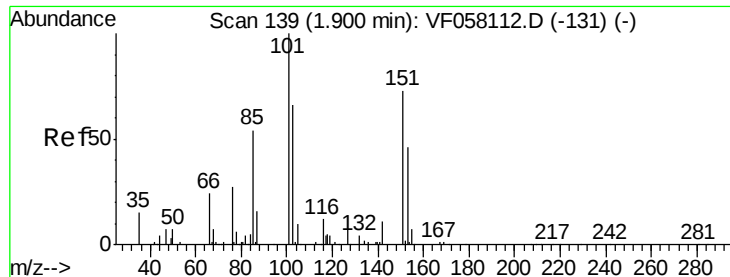


#8

Diethyl Ether
Concen: 6.179 ug/l
RT: 1.70 min Scan# 118
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion: 74 Resp: 6973
Ion Ratio Lower Upper
74 100
45 121.3 61.5 184.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.799 ug/l

RT: 1.90 min Scan# 138

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

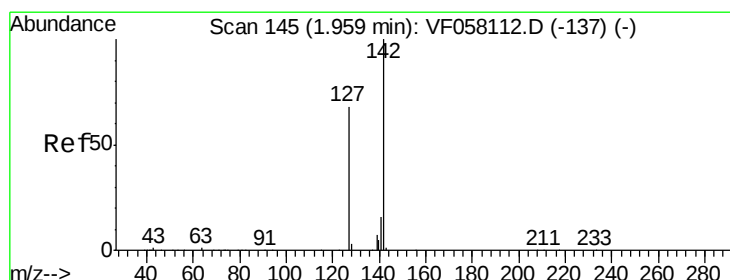
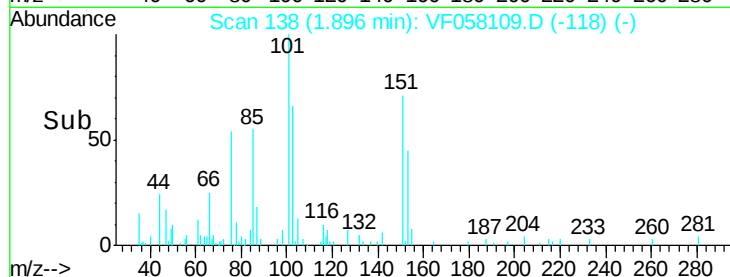
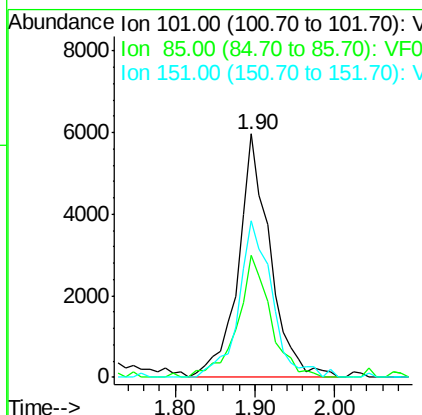
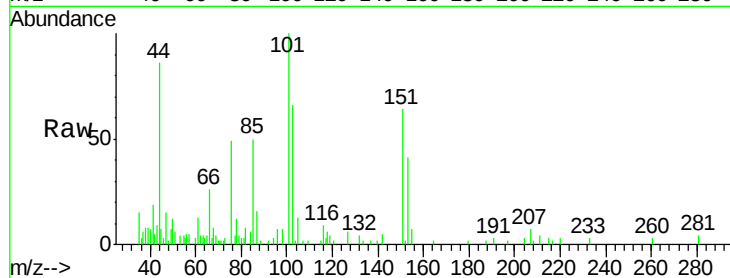
ClientSampleId :

VSTDIC005

Tgt Ion:	101	Resp:	16564
Ion Ratio	Lower	Upper	
101	100		
85	49.9	42.2	63.4
151	64.3	56.8	85.2

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#10

Methyl Iodide

Concen: 5.535 ug/l m

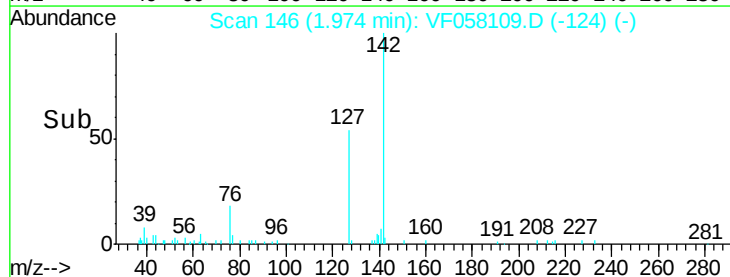
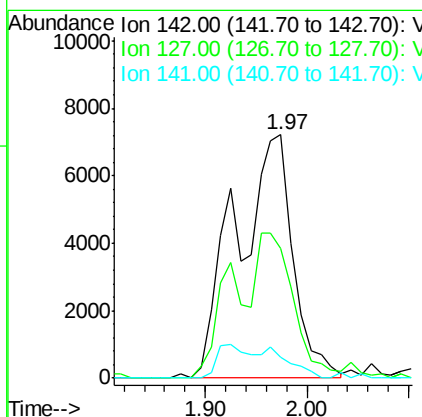
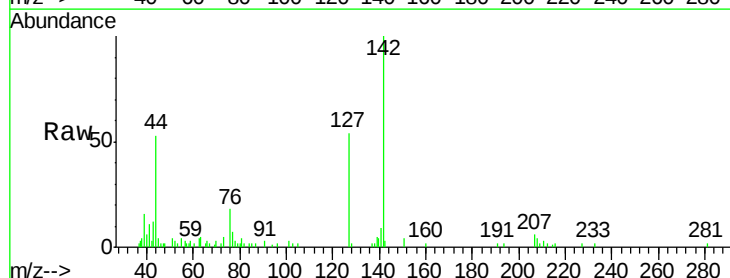
RT: 1.97 min Scan# 146

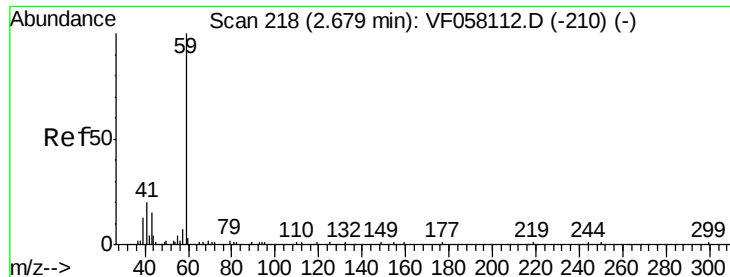
Delta R.T. 0.02 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	142	Resp:	28105
Ion Ratio	Lower	Upper	
142	100		
127	54.4	54.1	81.1
141	8.8	13.0	19.4#





#11

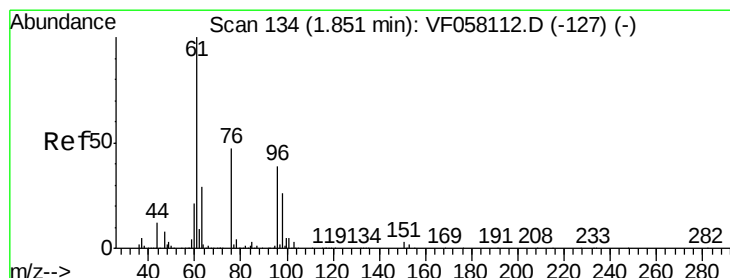
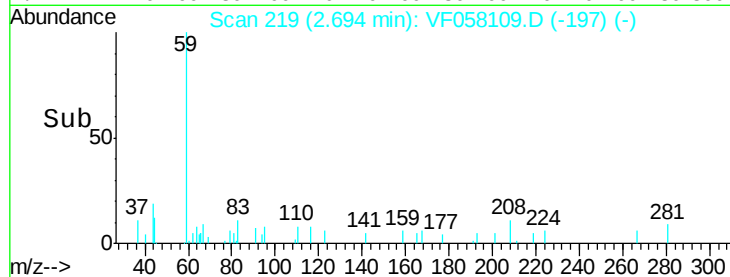
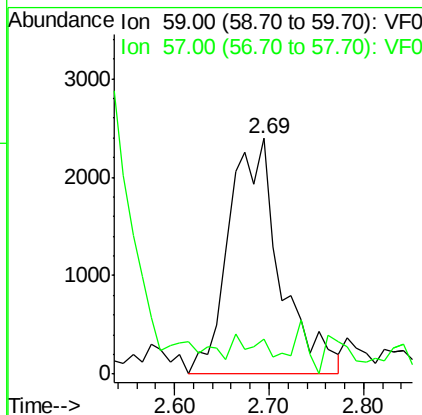
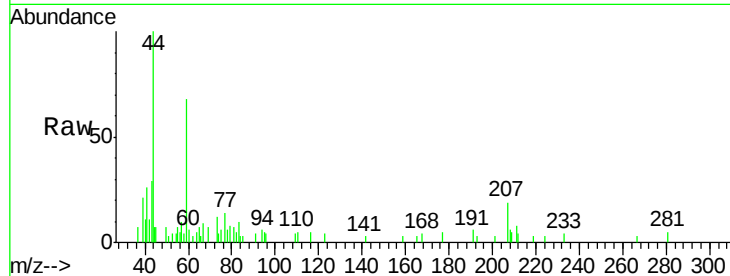
Tert butyl alcohol
Concen: 33.331 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.02 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 59 Resp: 9047
Ion Ratio Lower Upper
59 100
57 14.8 8.7 13.1#

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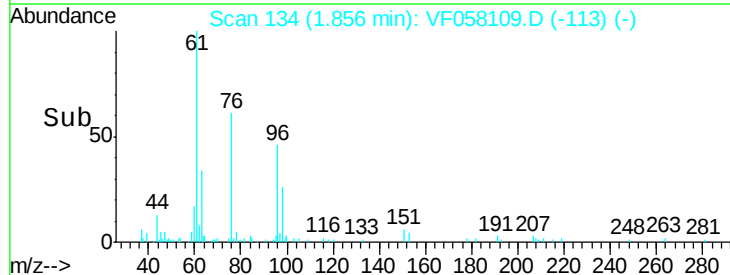
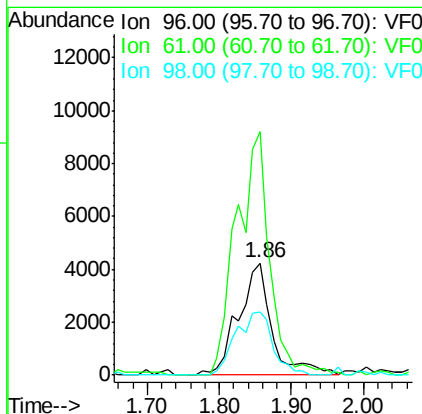
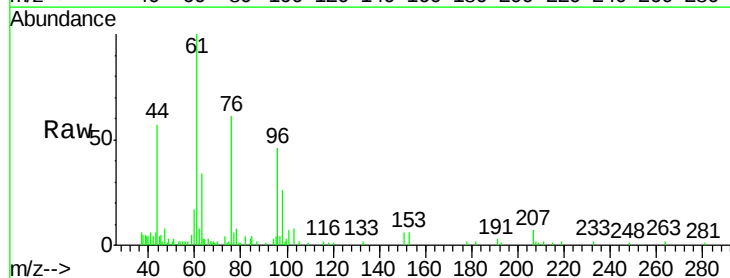
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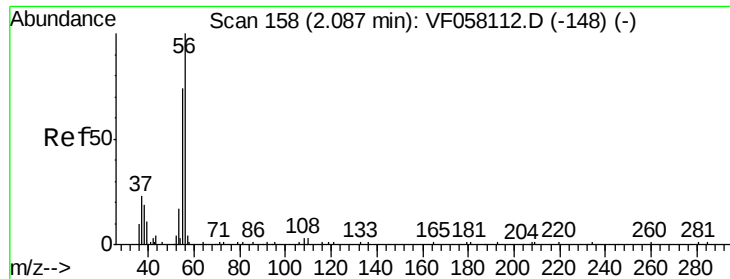


#12

1,1-Dichloroethene
Concen: 5.505 ug/l
RT: 1.86 min Scan# 134
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion: 96 Resp: 13680
Ion Ratio Lower Upper
96 100
61 216.7 203.0 304.4
98 56.7 52.7 79.1





#13

Acrolein

Concen: 43.644 ug/l

RT: 2.08 min Scan# 157

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 7706

Ion Ratio Lower Upper

56 100

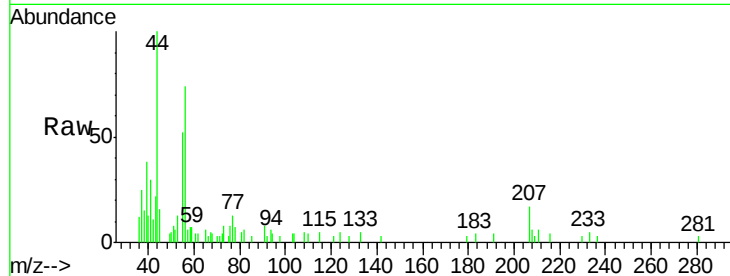
55 70.5 60.0 90.0

Manual Integrations

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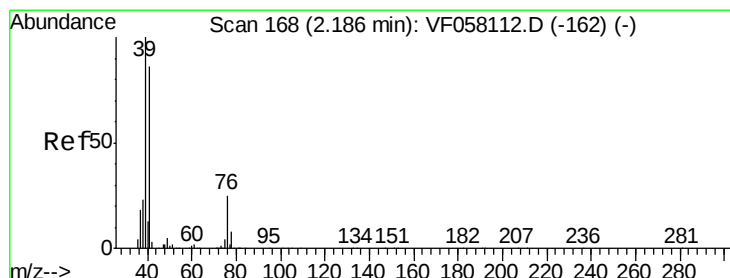
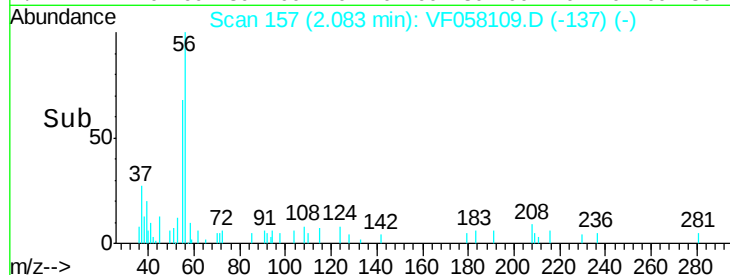
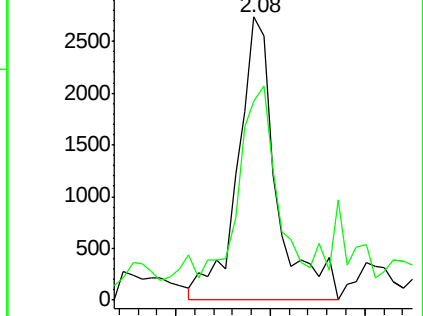
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 6.095 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

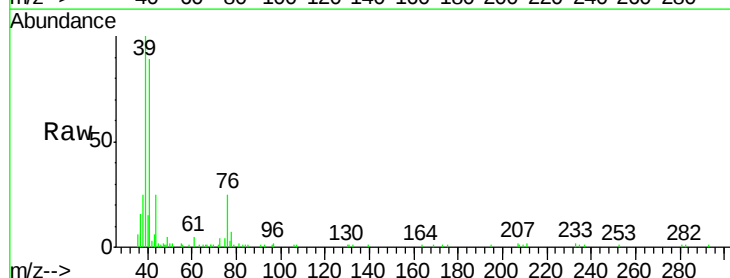
Tgt Ion: 41 Resp: 28959

Ion Ratio Lower Upper

41 100

39 112.1 93.5 140.3

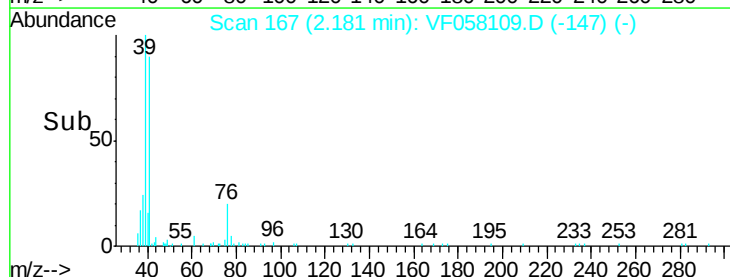
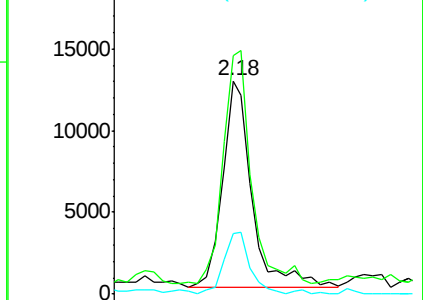
76 28.5 23.9 35.9

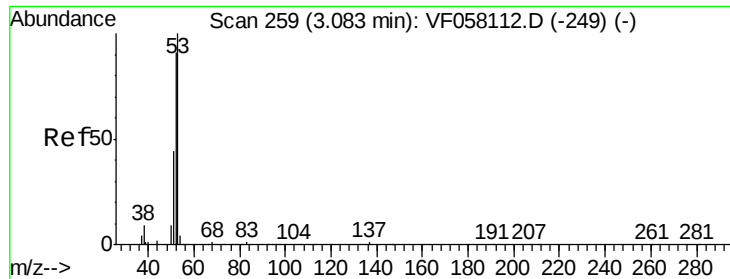


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 21.889 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

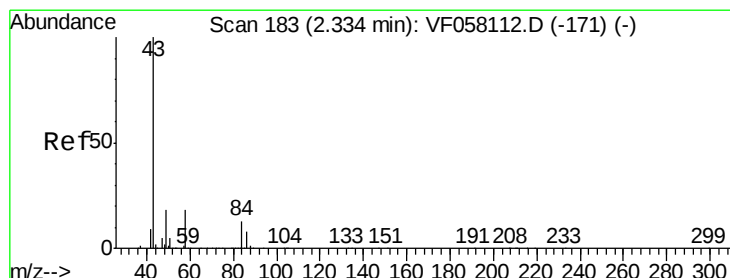
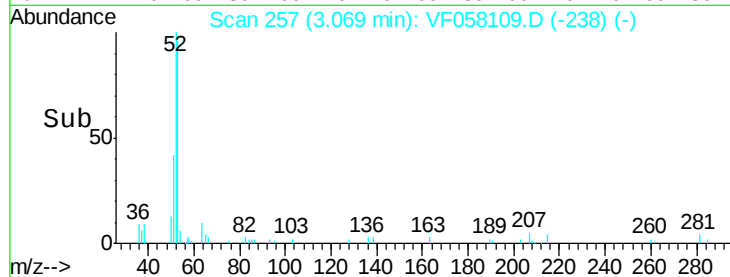
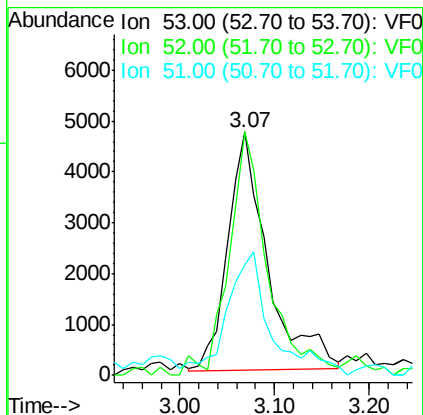
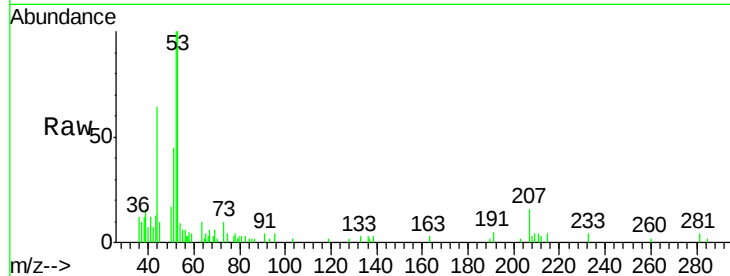
ClientSampleId :

VSTDIC005

Tgt Ion:	53	Resp:	13735
Ion	Ratio	Lower	Upper
53	100		
52	100.2	73.2	109.8
51	45.5	35.6	53.4

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#16

Acetone

Concen: 28.028 ug/l

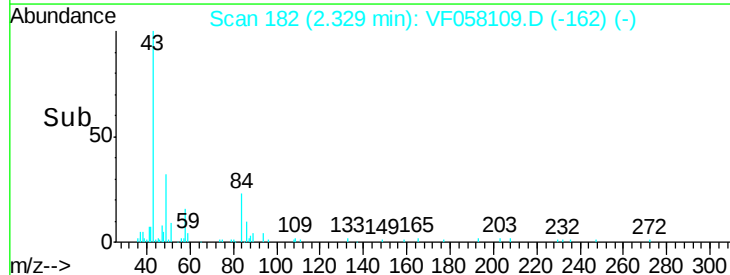
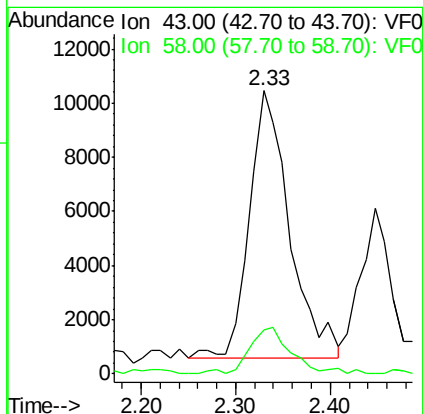
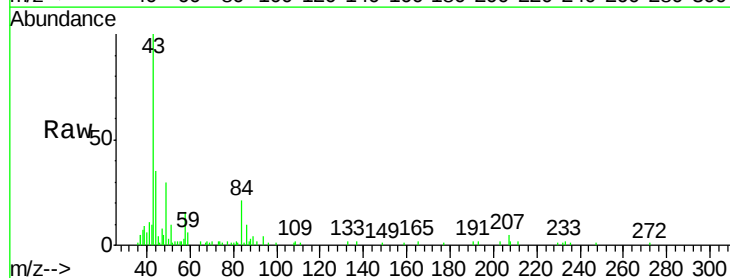
RT: 2.33 min Scan# 182

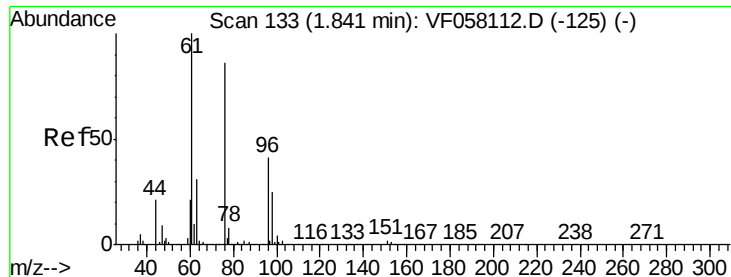
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	43	Resp:	29133
Ion	Ratio	Lower	Upper
43	100		
58	15.7	14.4	21.6





#17

Carbon Disulfide

Concen: 5.230 ug/l m

RT: 1.84 min Scan# 132

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion: 76 Resp: 37301

Ion Ratio Lower Upper

76 100

78 9.5 7.8 11.8

Instrument :

MSVOA_F

ClientSampleId :

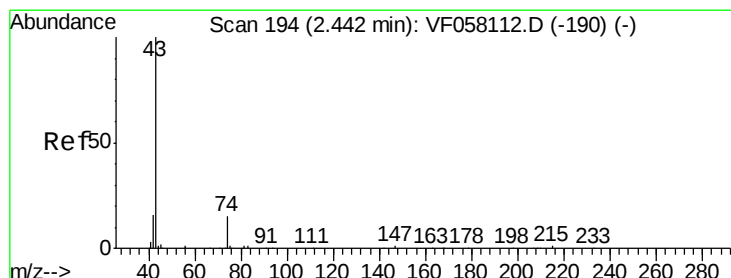
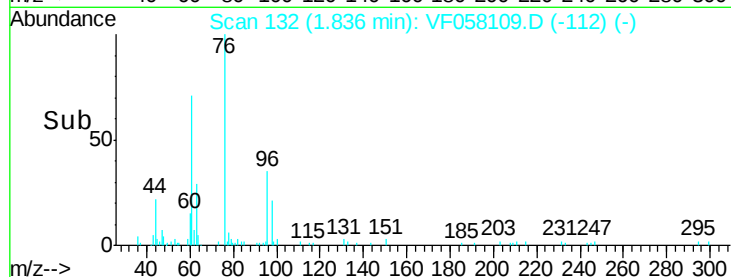
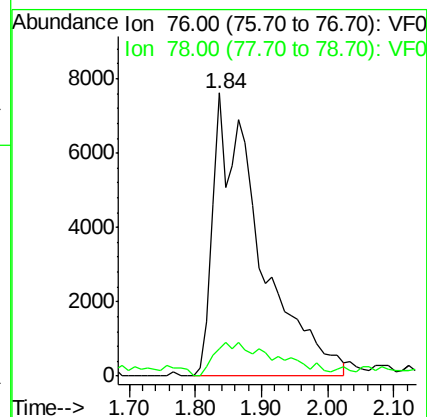
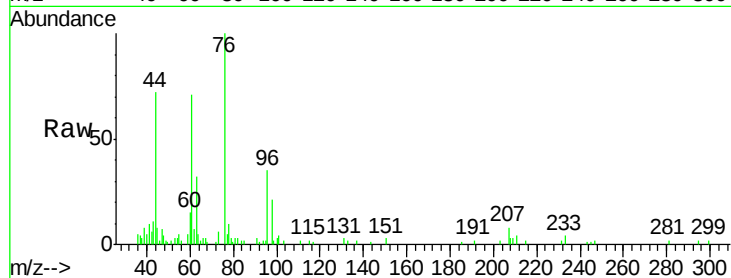
VSTDIC005

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#18

Methyl Acetate

Concen: 5.846 ug/l m

RT: 2.45 min Scan# 194

Delta R.T. 0.01 min

Lab File: VF058109.D

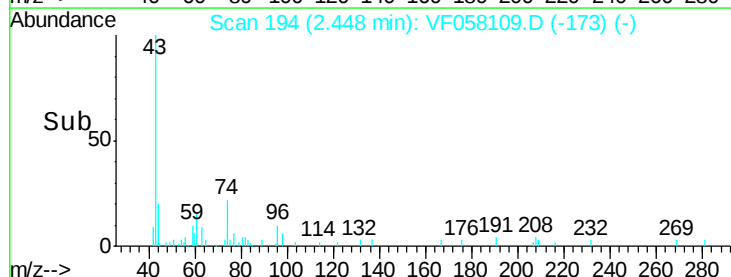
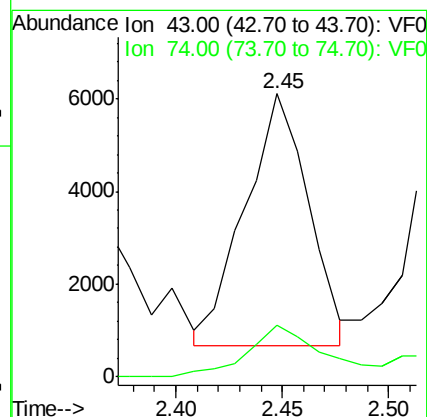
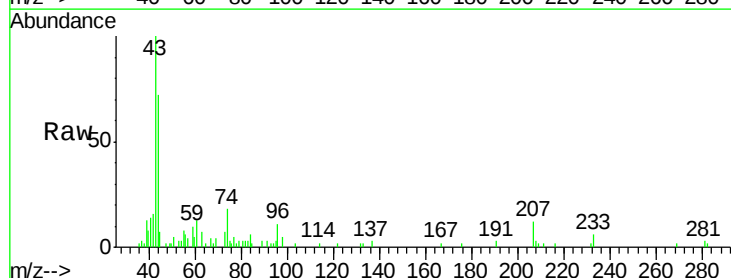
Acq: 6 Jun 2018 16:17

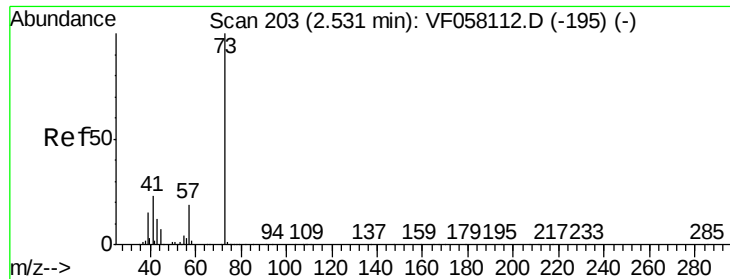
Tgt Ion: 43 Resp: 11331

Ion Ratio Lower Upper

43 100

74 18.4 10.9 16.3#





#19

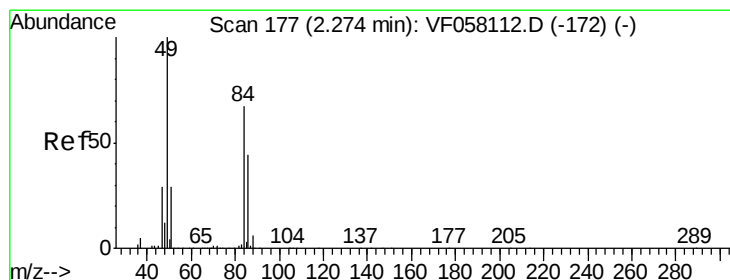
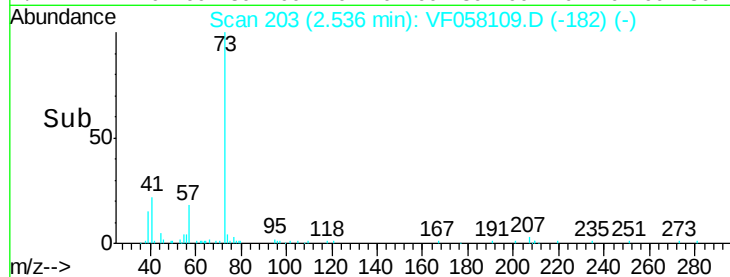
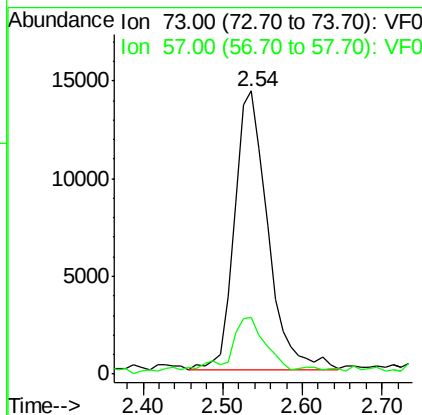
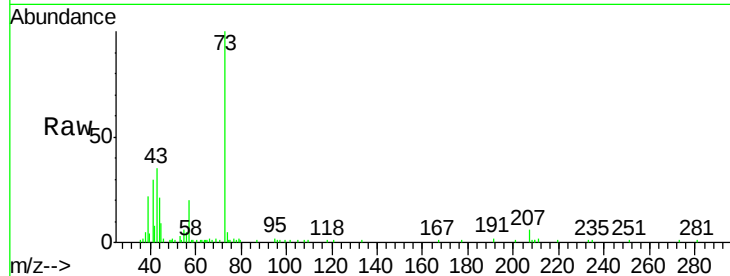
Methyl tert-butyl Ether
 Concen: 5.278 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.9	15.0	22.4

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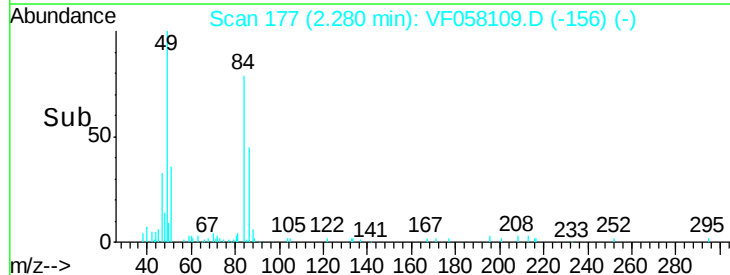
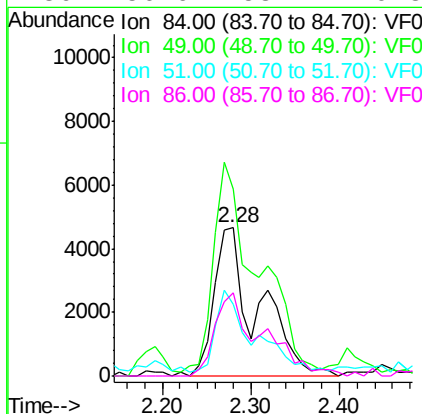
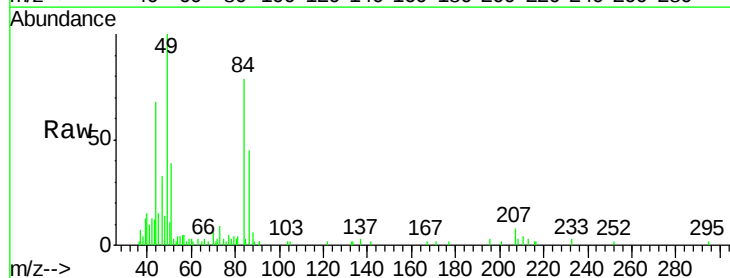
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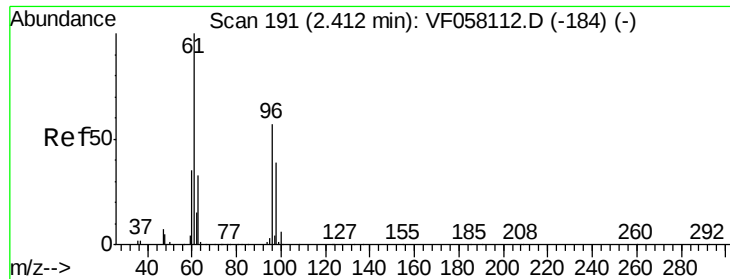


#20

Methylene Chloride
 Concen: 6.201 ug/l m
 RT: 2.28 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.7	121.0	181.4
51	48.9	35.8	53.6
86	56.6	53.2	79.8





#21

trans-1,2-Dichloroethene

Concen: 5.895 ug/l

RT: 2.41 min Scan# 190

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

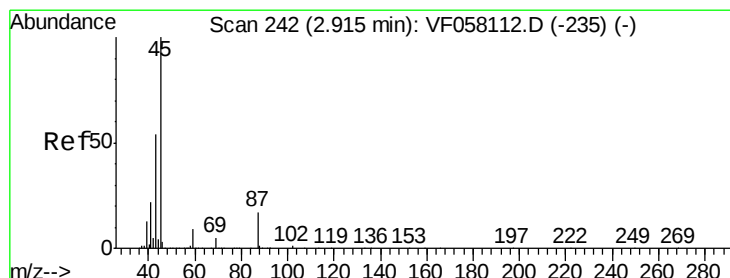
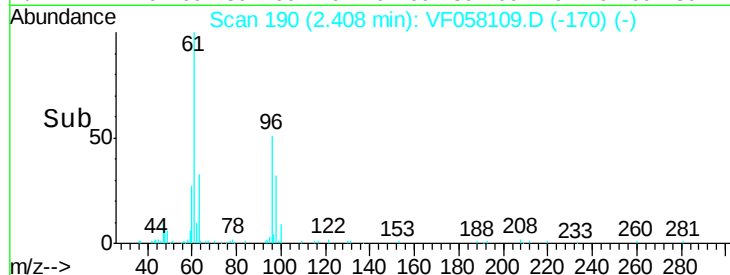
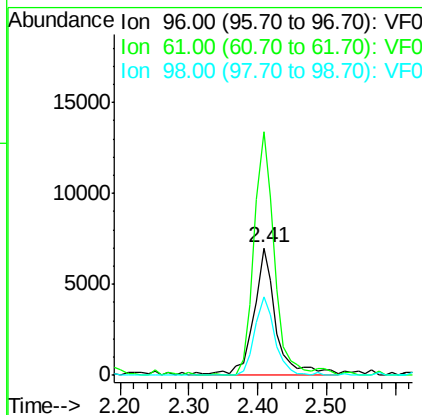
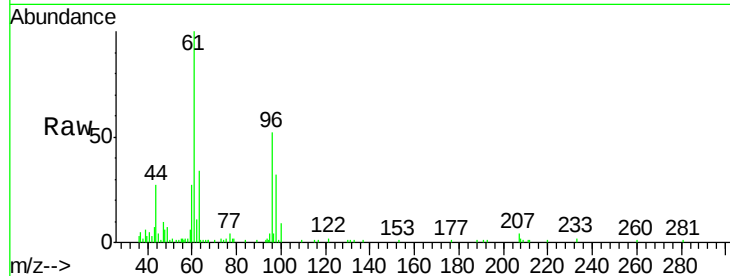
ClientSampleId :

VSTDIC005

Tgt Ion:	96	Resp:	15816
Ion Ratio	Lower	Upper	
96	100		
61	190.6	139.4	209.2
98	61.5	54.0	81.0

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#22

Diisopropyl ether

Concen: 5.690 ug/l

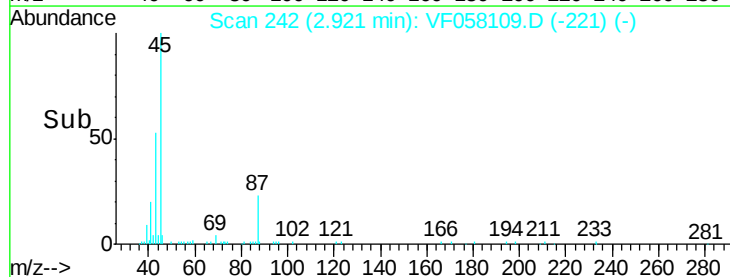
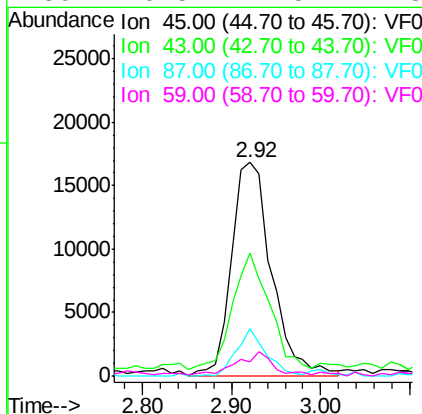
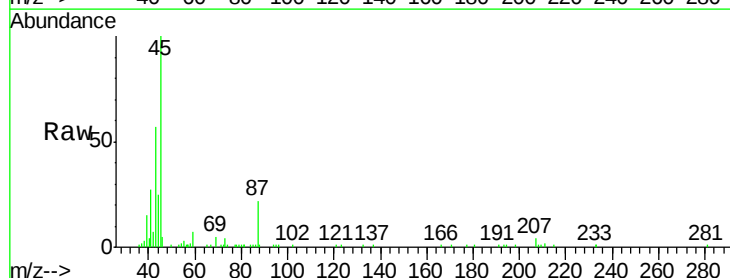
RT: 2.92 min Scan# 242

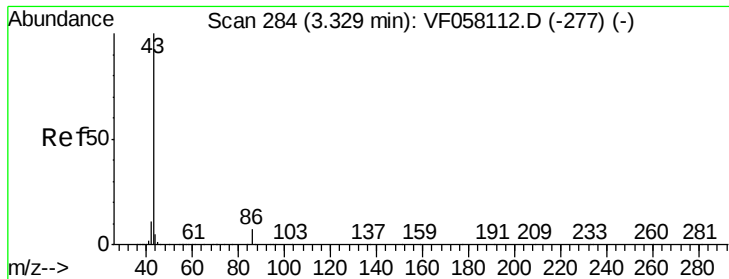
Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	45	Resp:	52920
Ion Ratio	Lower	Upper	
45	100		
43	57.3	43.2	64.8
87	22.3	13.8	20.6#
59	6.5	7.5	11.3#





#23

Vinyl Acetate

Concen: 24.027 ug/l

RT: 3.32 min Scan# 283

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 163738

Ion Ratio Lower Upper

43 100

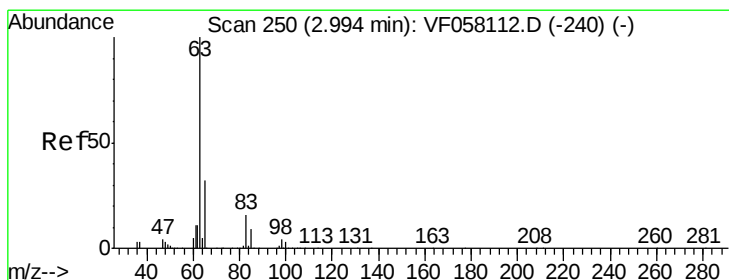
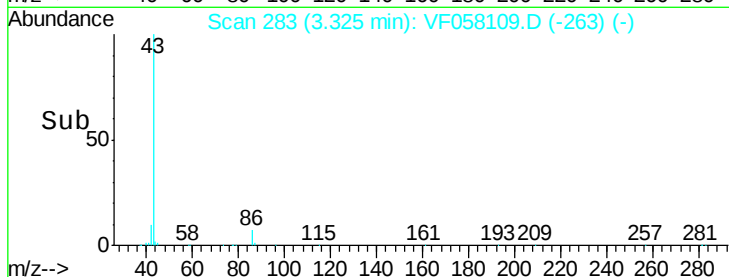
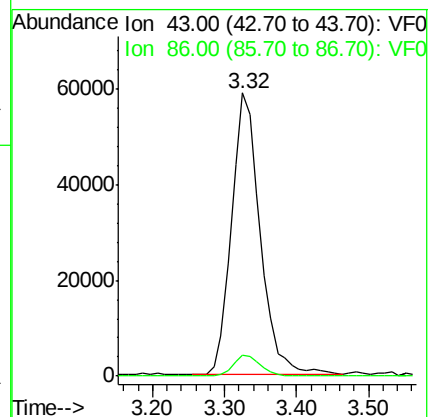
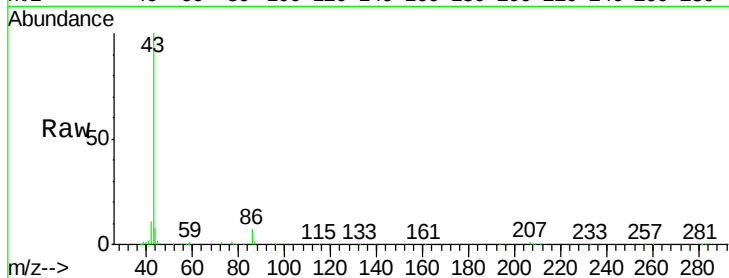
86 7.3 6.0 9.0

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#24

1,1-Dichloroethane

Concen: 5.335 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

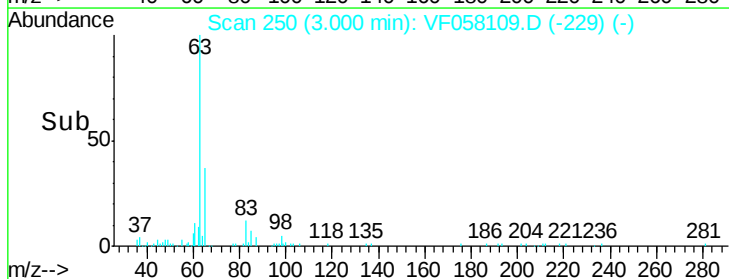
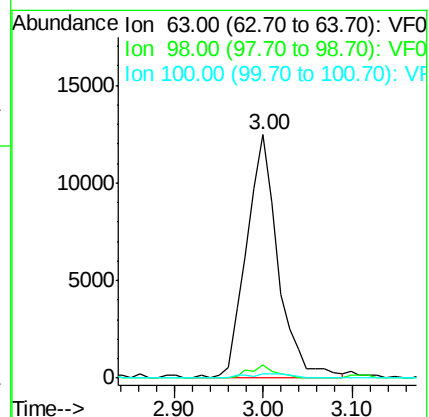
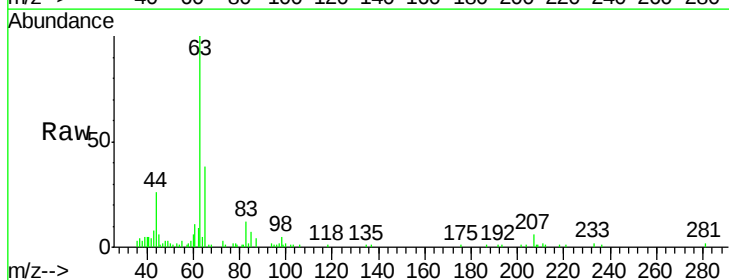
Tgt Ion: 63 Resp: 30740

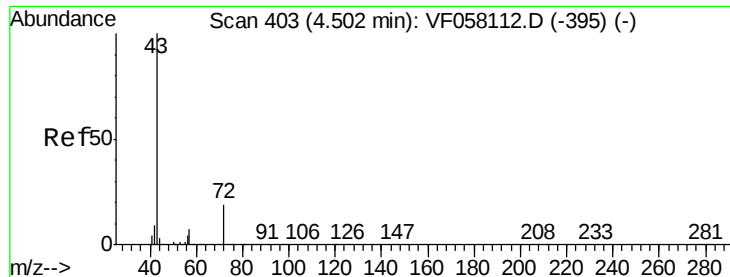
Ion Ratio Lower Upper

63 100

98 5.2 2.0 6.0

100 1.7 1.4 4.0





#25

2-Butanone

Concen: 28.484 ug/l

RT: 4.51 min Scan# 403

Delta R.T. 0.01 min

Lab File: VF058109.D

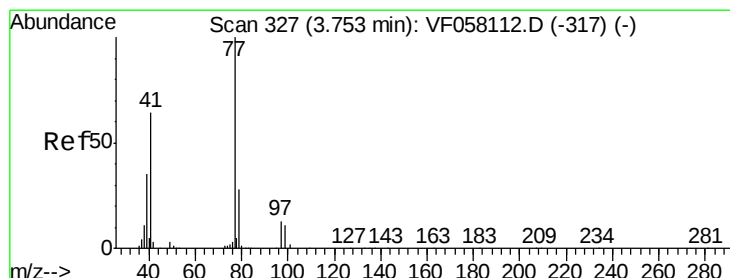
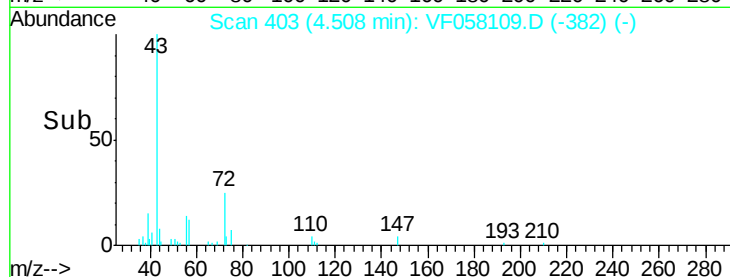
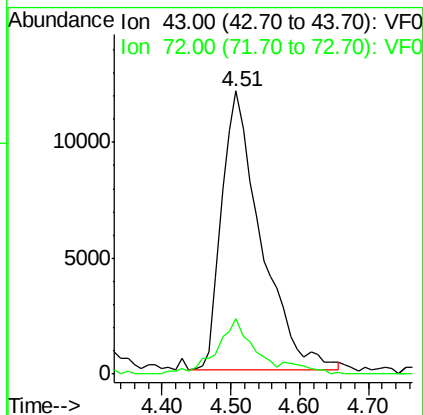
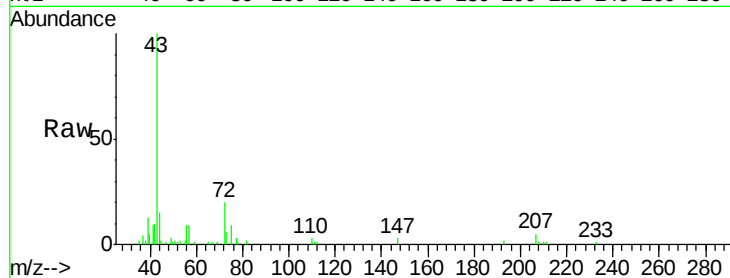
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.6	16.1	24.1

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 5.905 ug/l

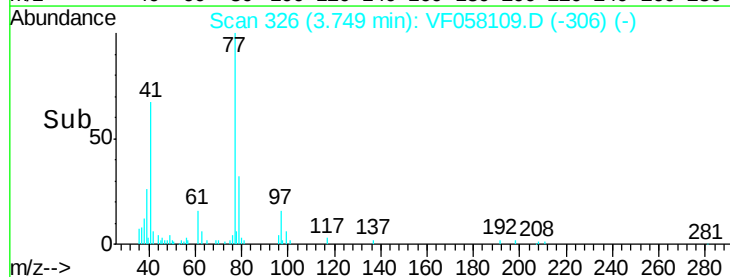
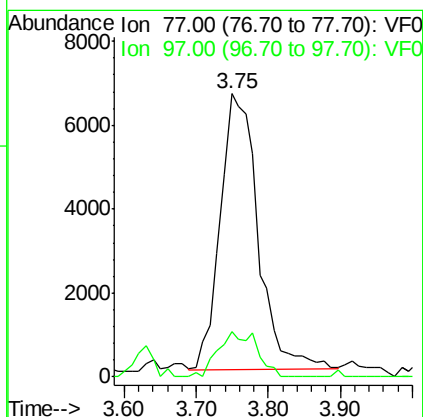
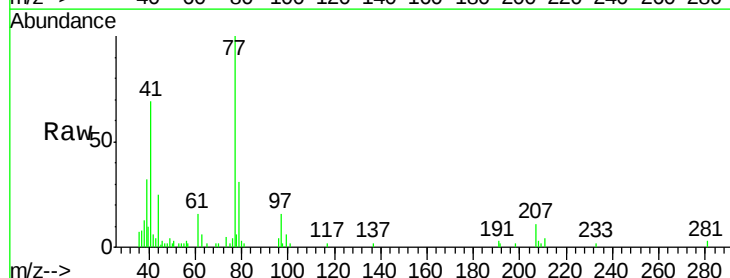
RT: 3.75 min Scan# 326

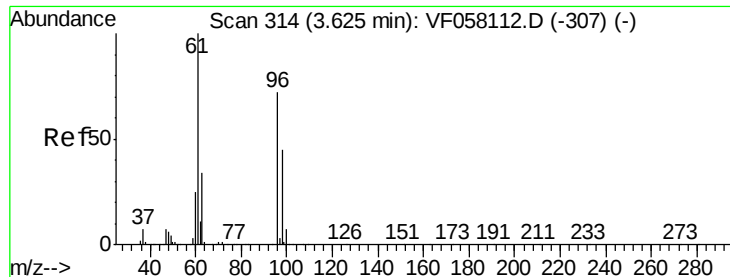
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
77	100		
97	17.9	7.2	21.6





#27

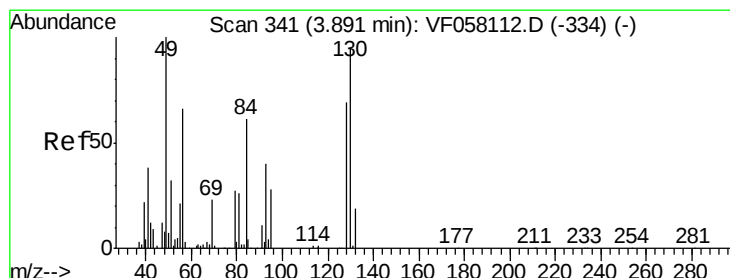
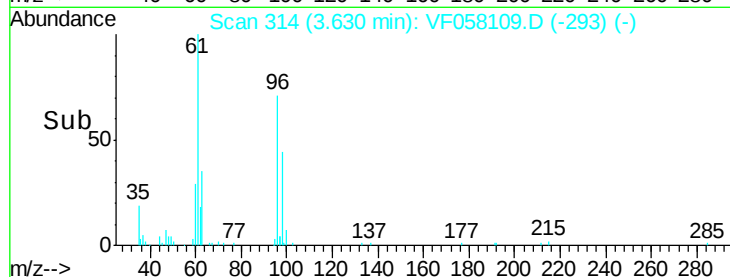
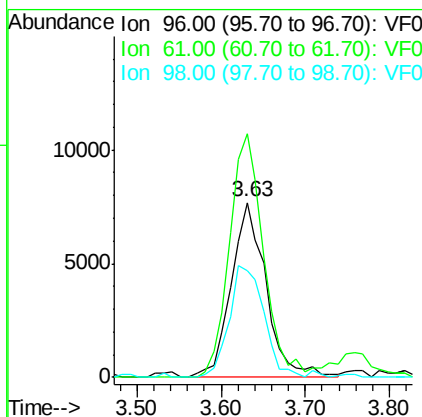
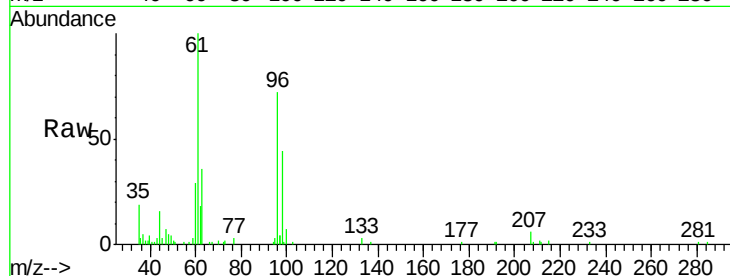
cis-1,2-Dichloroethene
Concen: 4.995 ug/l
RT: 3.63 min Scan# 314
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	22285		
61	132.9	0.0	278.6	
98	58.1	0.0	125.2	

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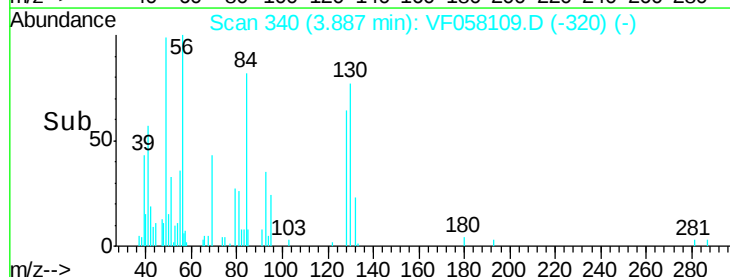
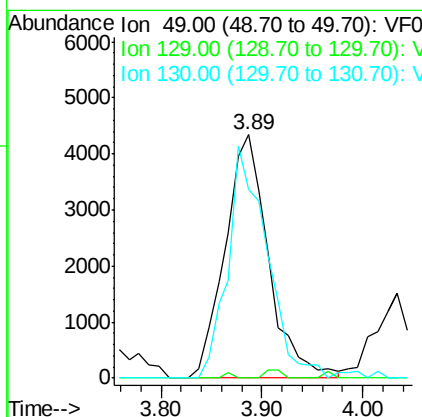
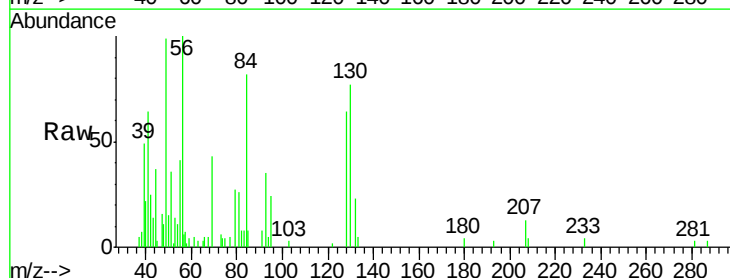
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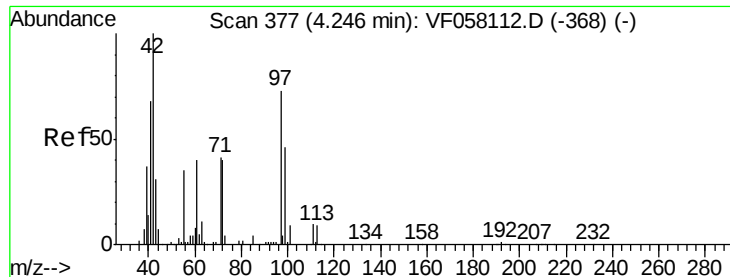


#28

Bromochloromethane
Concen: 5.128 ug/l
RT: 3.89 min Scan# 340
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	13052		
129	0.0	0.0	0.0	
130	77.2	75.8	113.8	





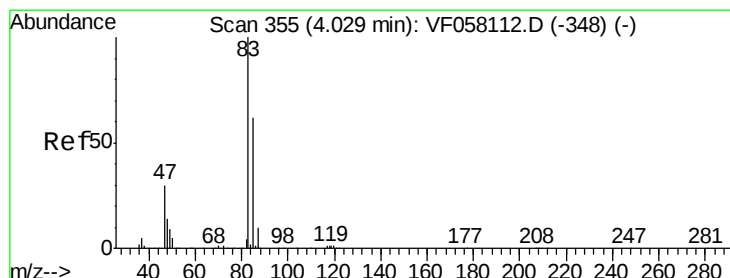
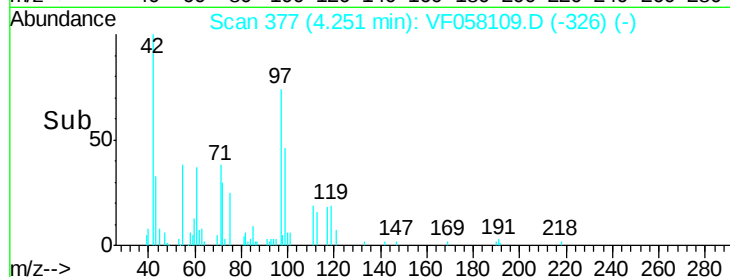
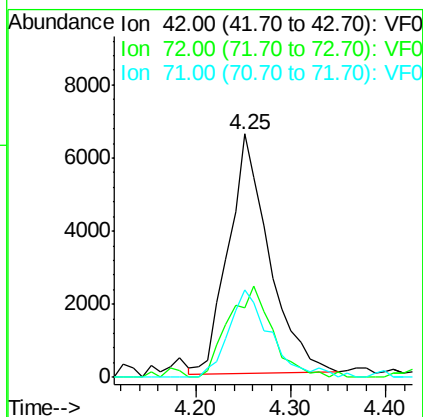
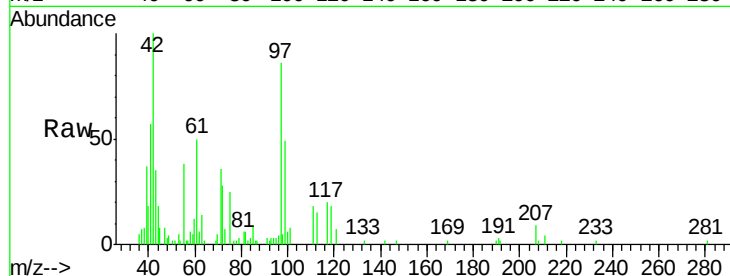
#29
Tetrahydrofuran
Concen: 25.167 ug/l
RT: 4.25 min Scan# 377
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	30.5	45.7
71	37.5	31.5	47.3

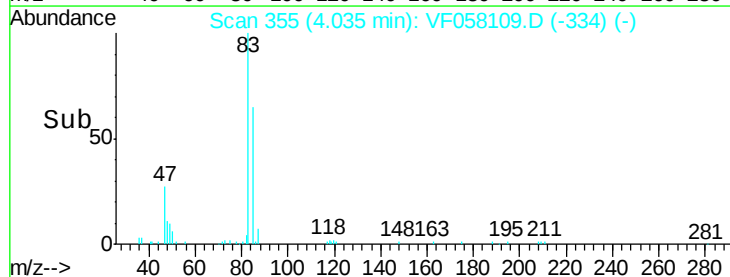
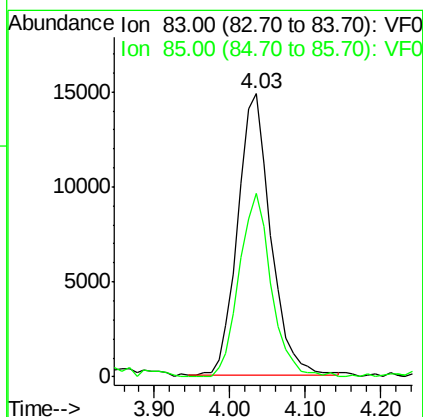
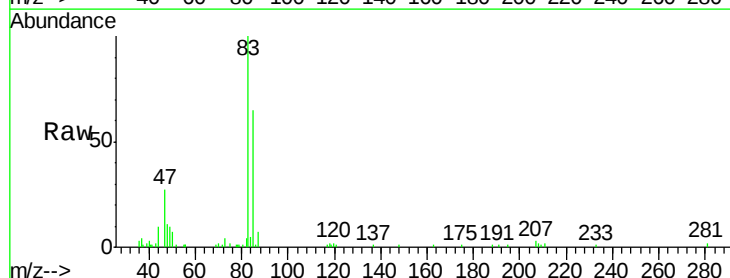
Manual Integrations
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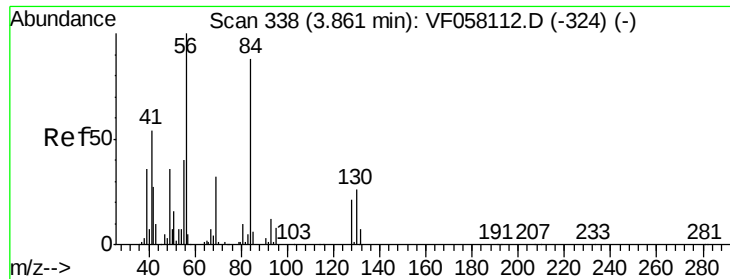
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#30
Chloroform
Concen: 5.134 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	49.5	74.3





#31

Cyclohexane

Concen: 5.382 ug/l

RT: 3.86 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

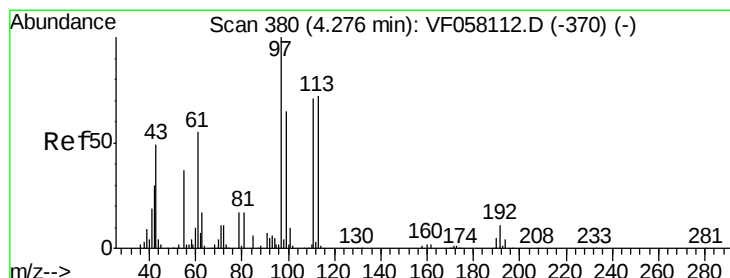
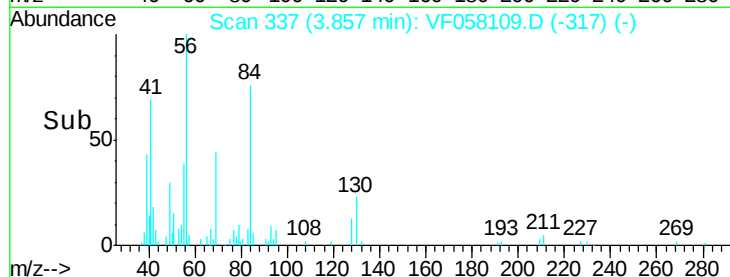
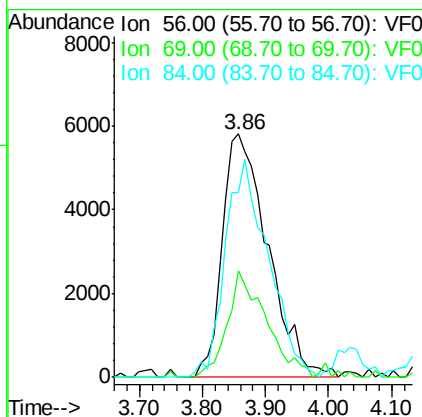
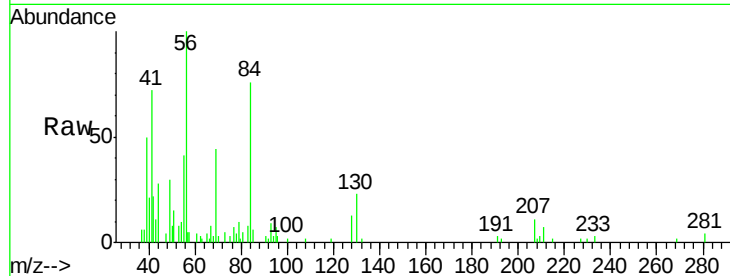
ClientSampleId :

VSTDIC005

Tgt Ion:	56	Resp:	29184
Ion Ratio	Lower	Upper	
56	100		
69	43.9	25.9	38.9#
84	76.0	70.3	105.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.432 ug/l

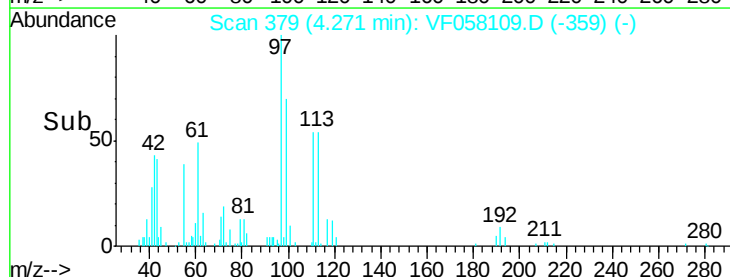
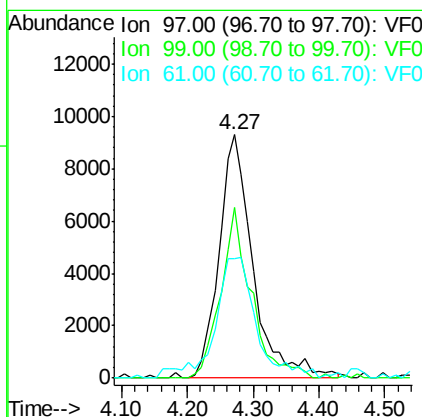
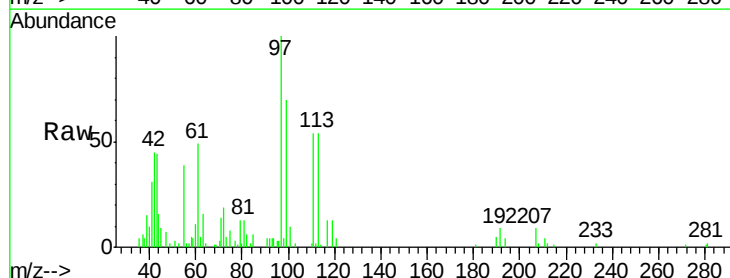
RT: 4.27 min Scan# 379

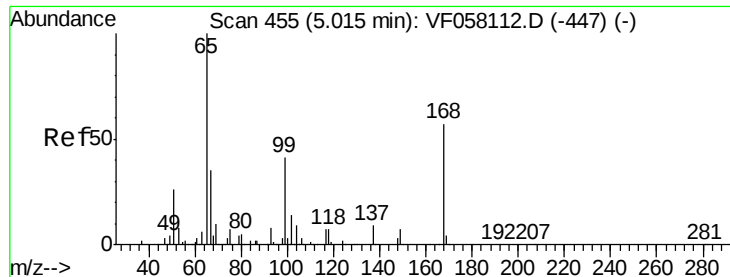
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	97	Resp:	33322
Ion Ratio	Lower	Upper	
97	100		
99	70.3	52.0	78.0
61	49.2	44.3	66.5





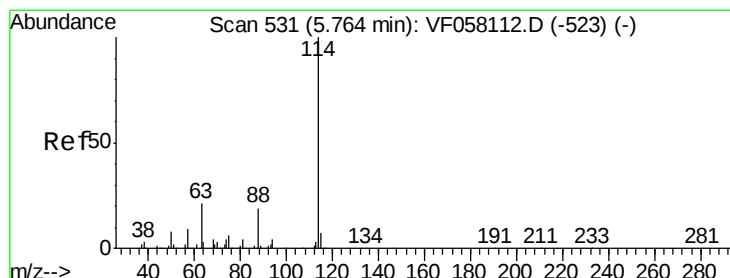
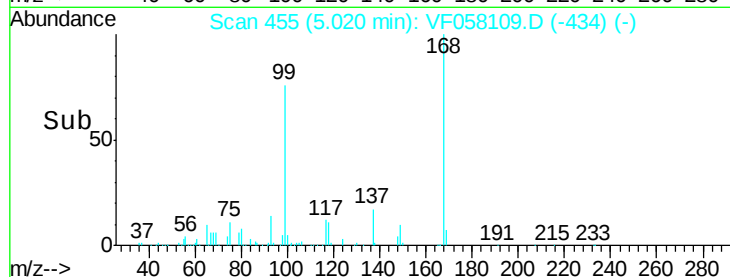
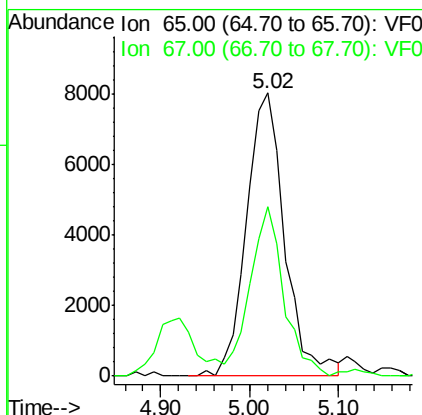
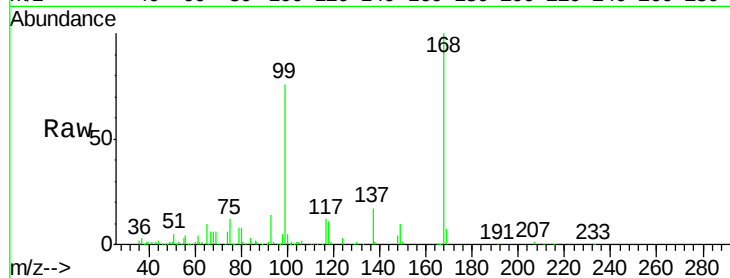
#33
 1,2-Dichloroethane-d4
 Concen: 4.989 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	23687		
67	59.6	0.0	0.0	97.0

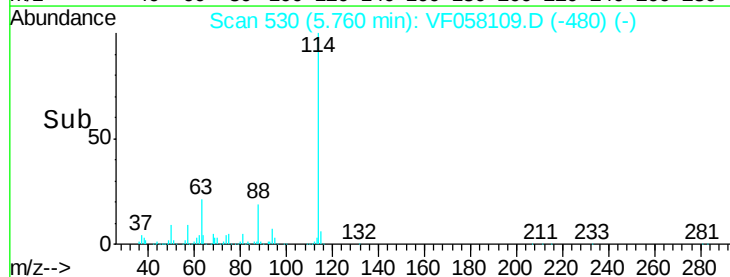
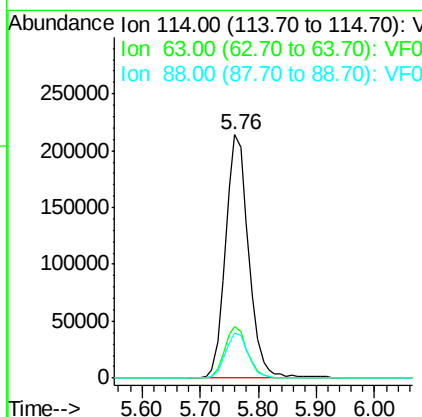
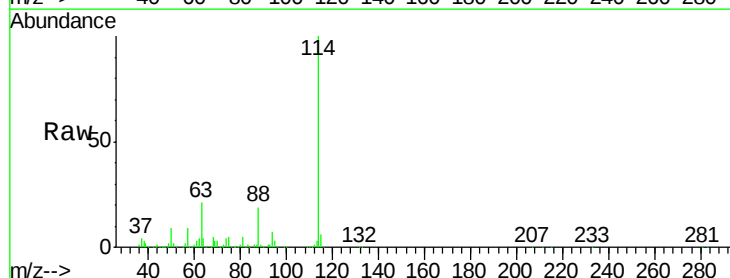
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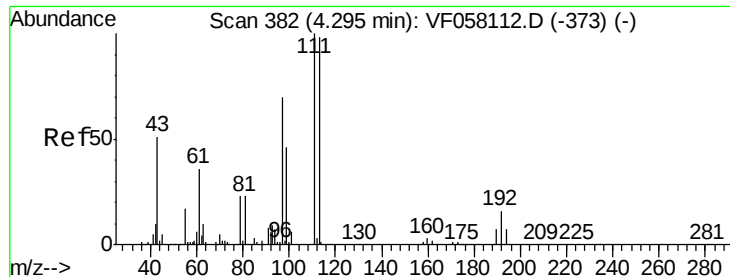
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	588672		
63	21.3	0.0	0.0	41.6
88	18.6	0.0	0.0	38.8





#35

Dibromofluoromethane

Concen: 5.061 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

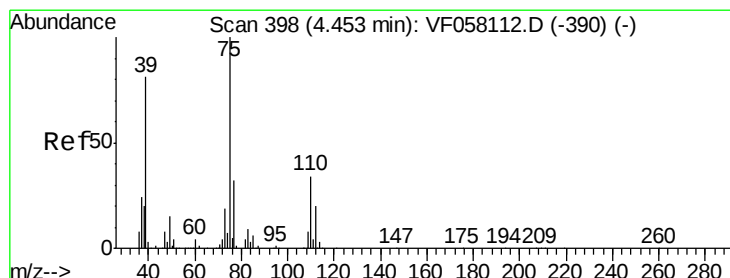
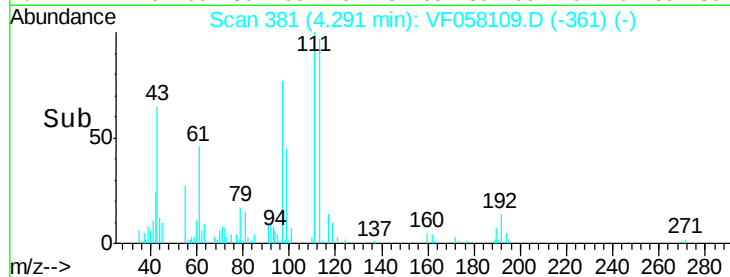
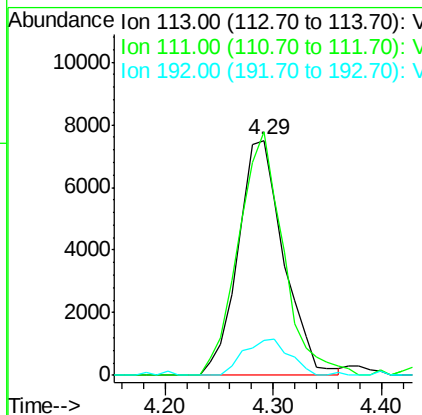
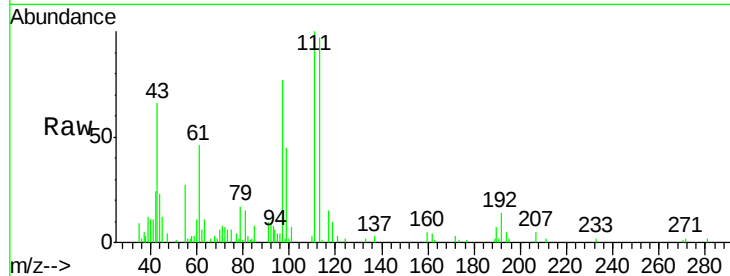
ClientSampleId :

VSTDIC005

Tgt Ion:	113	Resp:	22096
Ion Ratio	Lower	Upper	
113	100		
111	103.5	81.3	121.9
192	14.9	12.7	19.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 5.333 ug/l

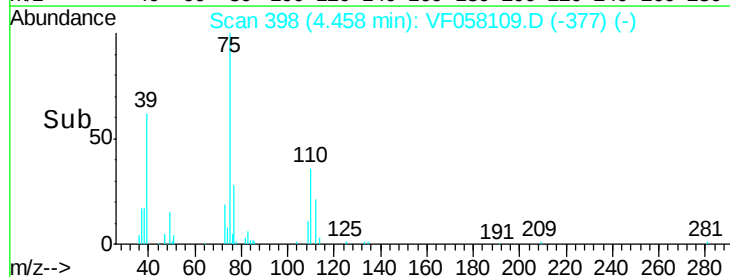
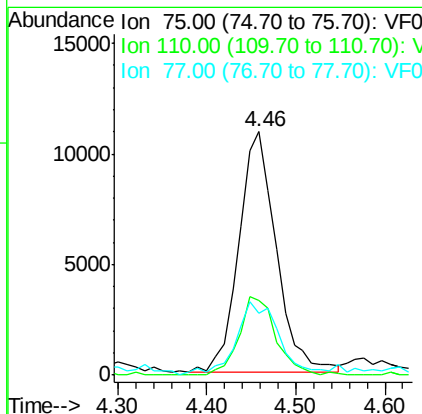
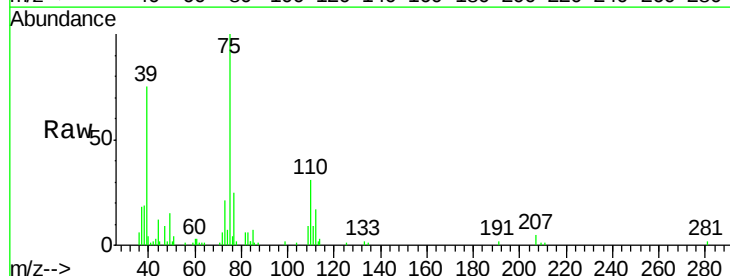
RT: 4.46 min Scan# 398

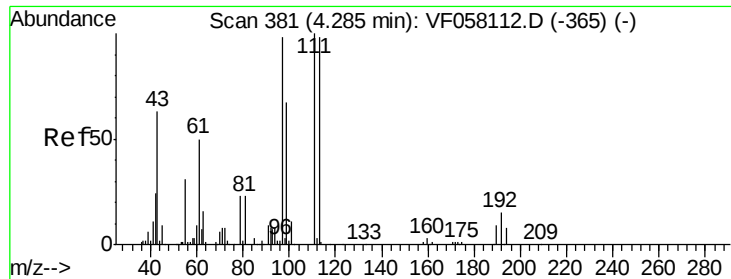
Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	75	Resp:	31751
Ion Ratio	Lower	Upper	
75	100		
110	30.8	17.0	50.9
77	25.4	25.3	37.9





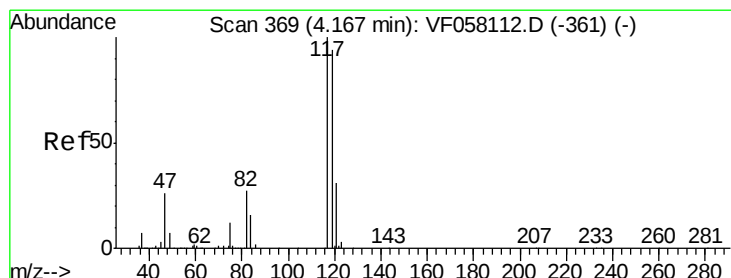
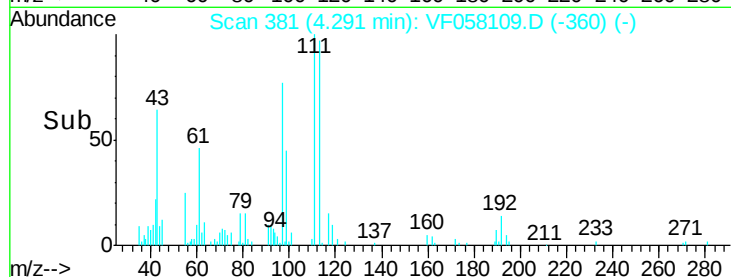
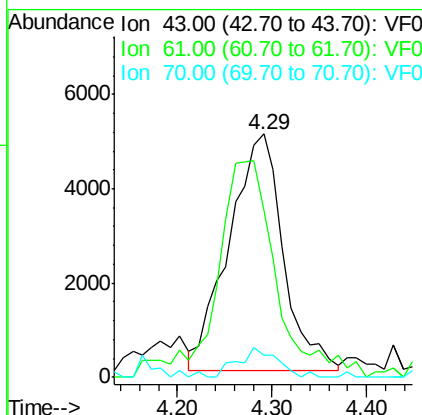
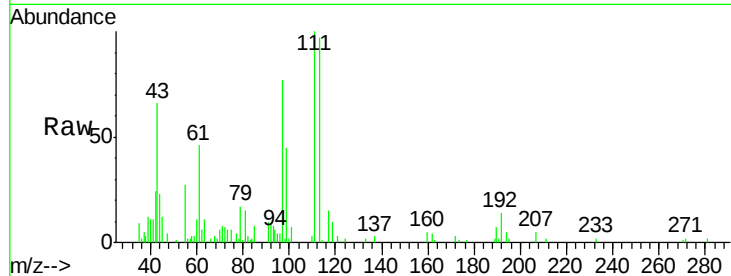
#37
Ethyl Acetate
Concen: 5.682 ug/l
RT: 4.29 min Scan# 381
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
61	68.7	63.0	94.4
70	9.0	7.5	11.3

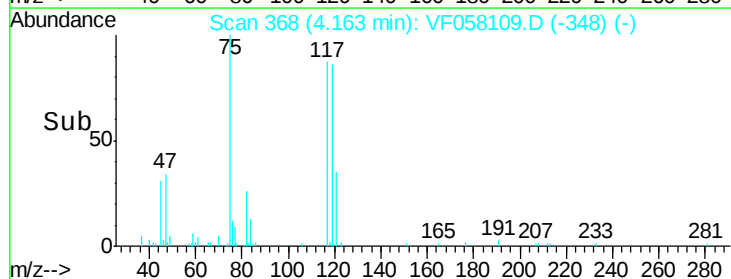
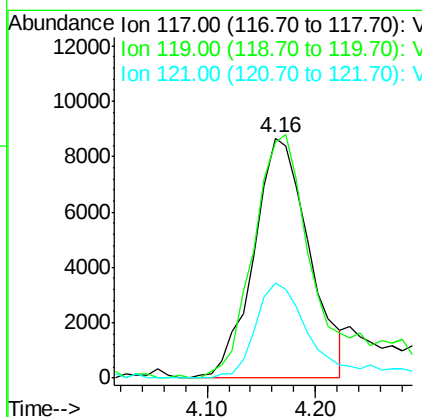
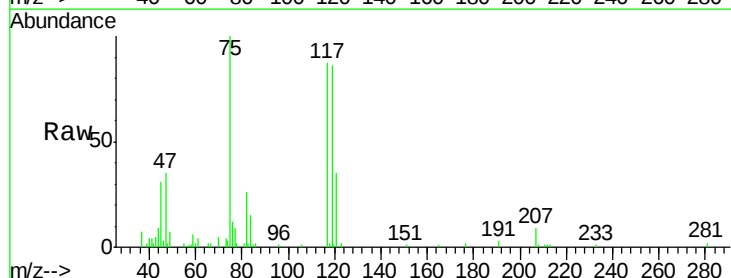
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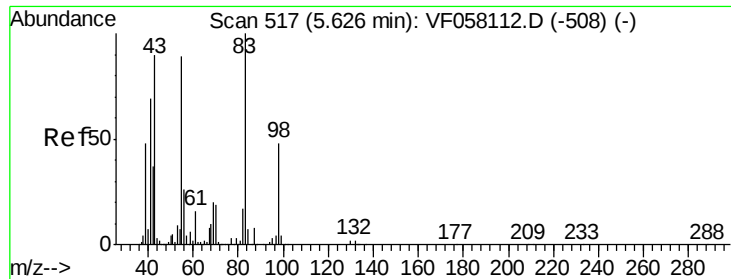
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#38
Carbon Tetrachloride
Concen: 4.870 ug/l m
RT: 4.16 min Scan# 368
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	75.7	113.5
121	39.6	24.8	37.2#





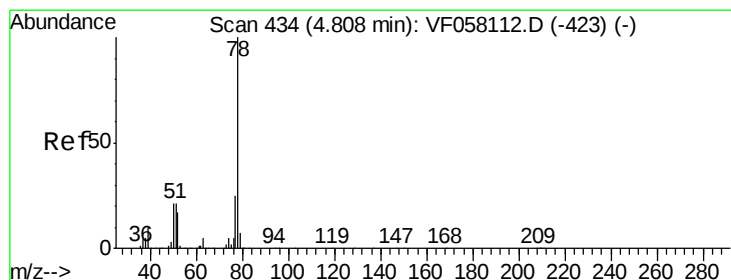
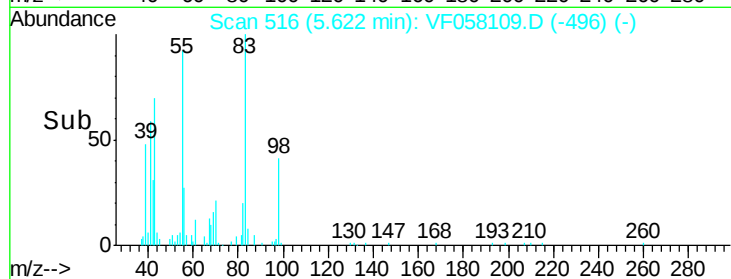
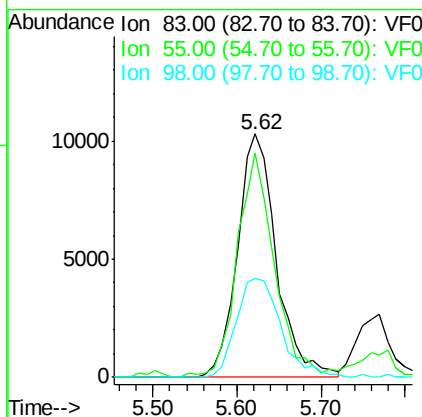
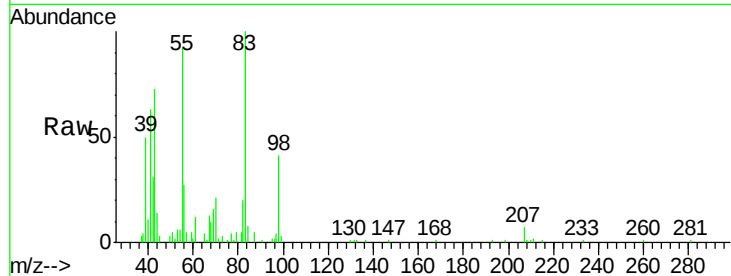
#39
Methylcyclohexane
Concen: 5.405 ug/l
RT: 5.62 min Scan# 516
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
83	100		
55	92.1	71.0	106.4
98	40.8	38.1	57.1

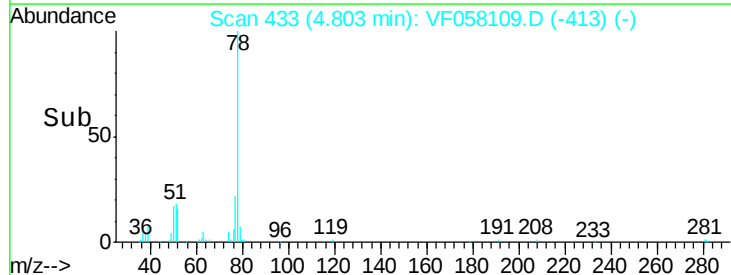
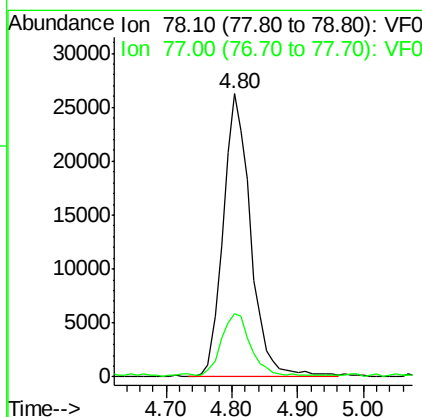
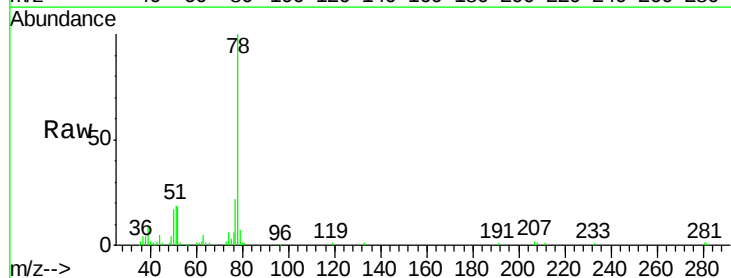
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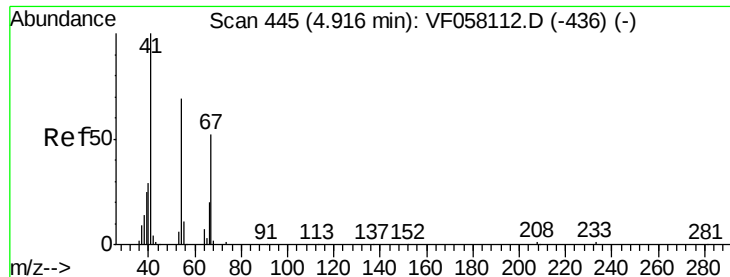
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#40
Benzene
Concen: 5.526 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	20.2	30.2





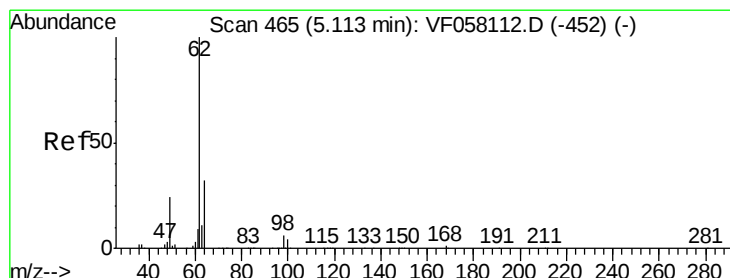
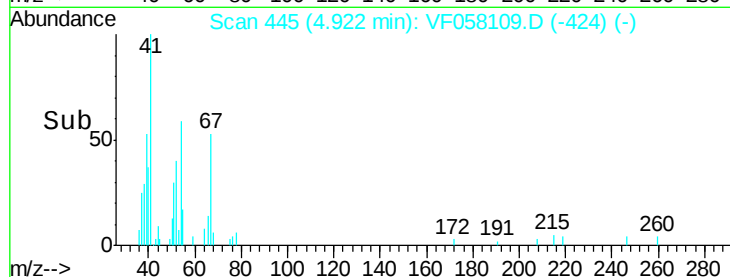
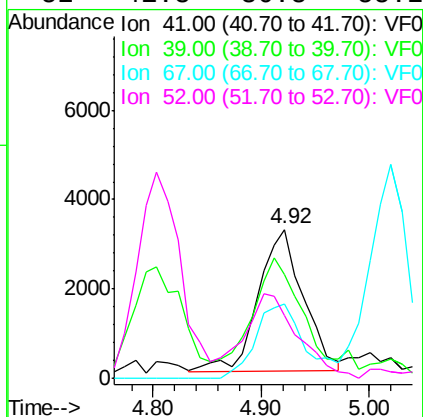
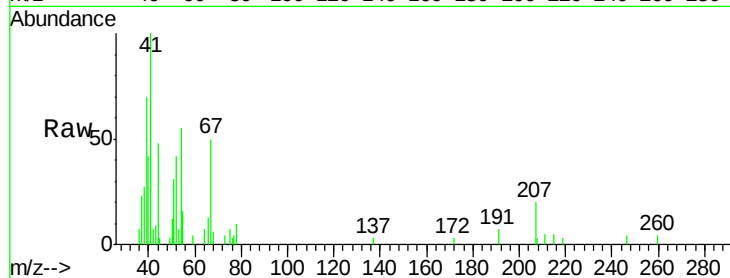
#41
Methacrylonitrile
Concen: 5.212 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.7	53.0	79.4
67	49.8	41.0	61.6
52	41.8	36.8	55.2

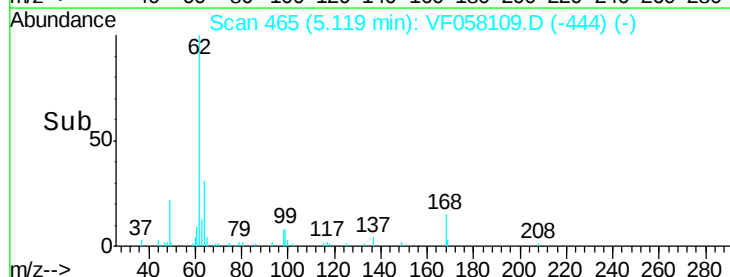
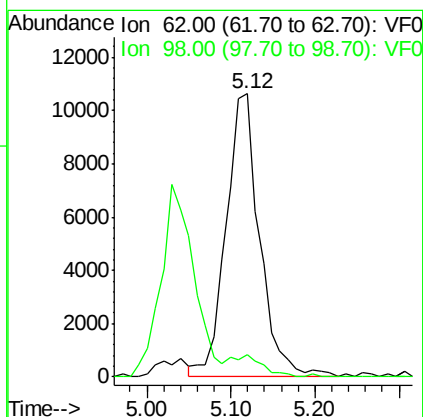
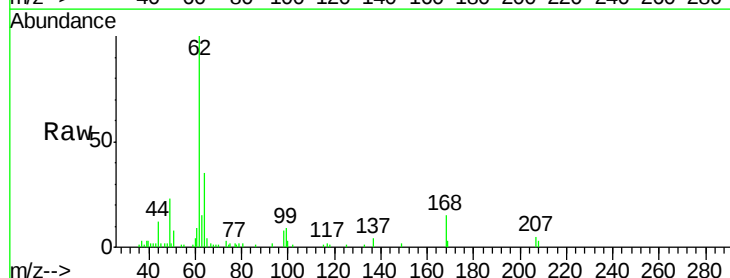
Manual Integrations
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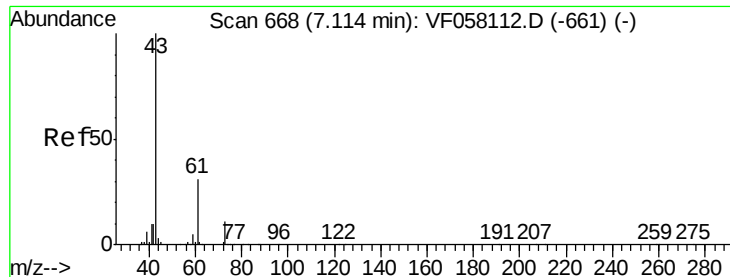
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#42
1,2-Dichloroethane
Concen: 4.928 ug/l
RT: 5.12 min Scan# 465
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	11.8





#43

Isopropyl Acetate

Concen: 5.454 ug/l

RT: 7.11 min Scan# 667

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

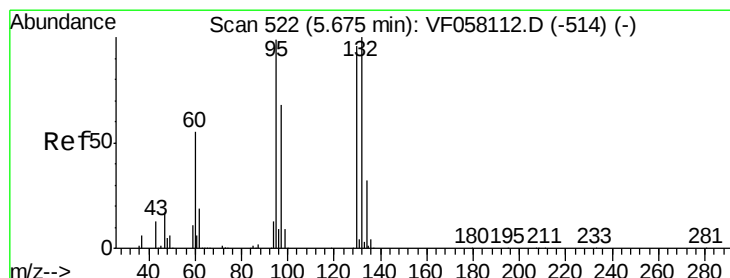
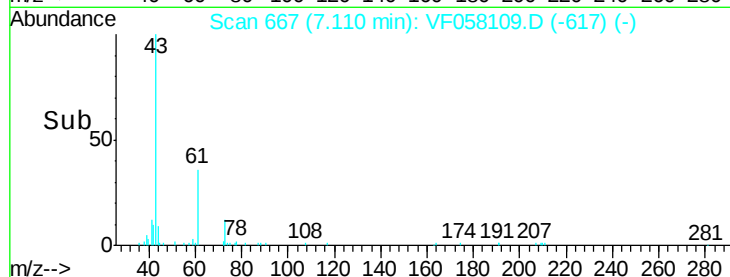
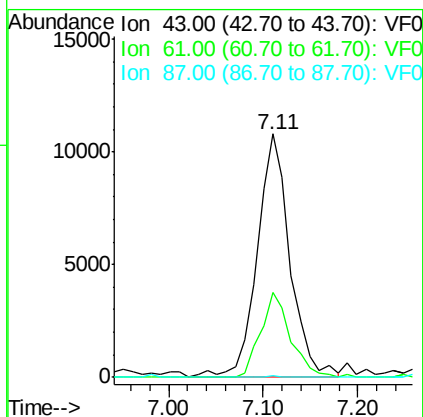
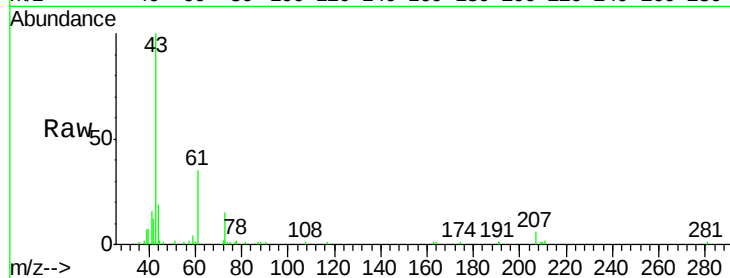
ClientSampleId :

VSTDIC005

Tgt Ion:	43	Resp:	25960
Ion Ratio	Lower	Upper	
43	100		
61	34.8	25.1	37.7
87	0.9	0.2	0.4

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#44

Trichloroethene

Concen: 5.344 ug/l

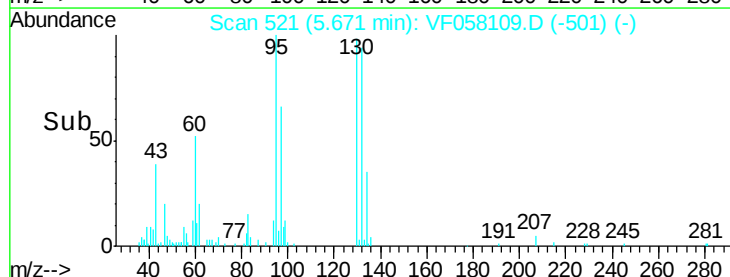
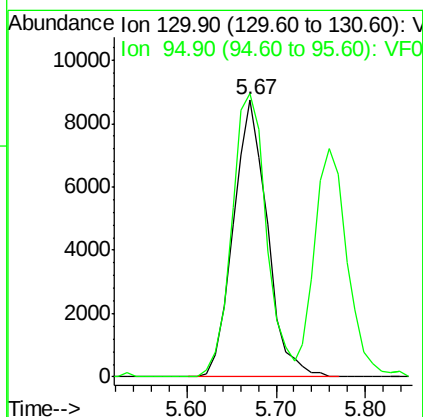
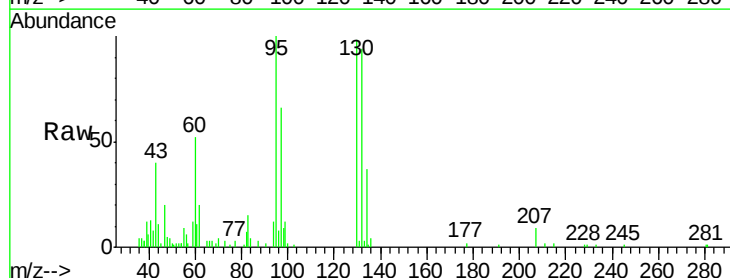
RT: 5.67 min Scan# 521

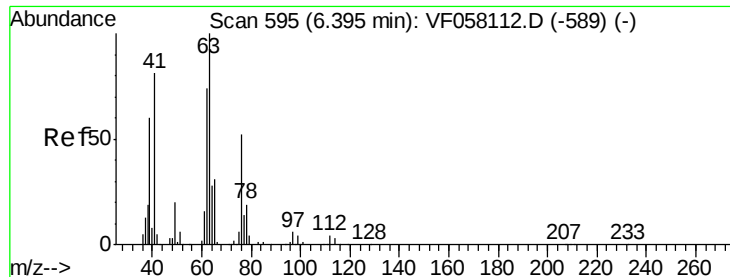
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	130	Resp:	23200
Ion Ratio	Lower	Upper	
130	100		
95	102.2	0.0	206.8





#45

1,2-Dichloropropane

Concen: 5.140 ug/l

RT: 6.41 min Scan# 596

Delta R.T. 0.02 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 20827

Ion Ratio Lower Upper

63 100

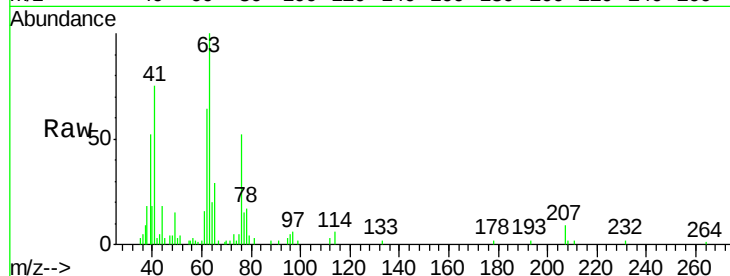
65 28.9 24.6 37.0

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

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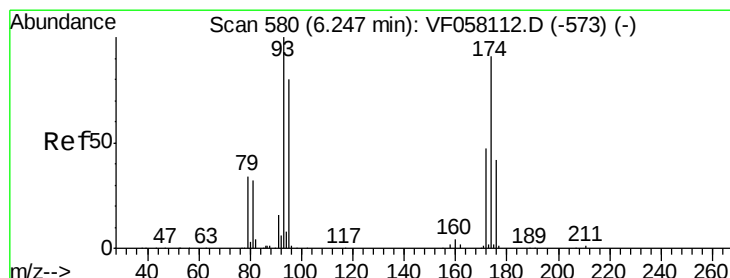
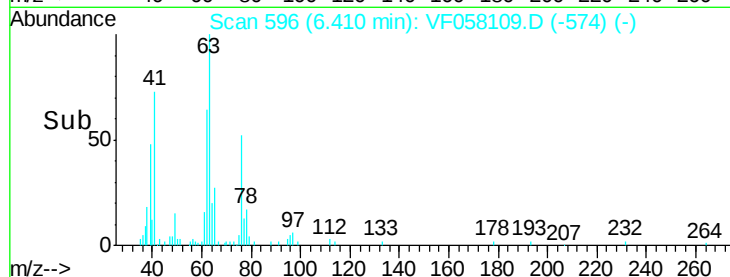
6.41

6.41

6.41

6.41

6.41



#46

Dibromomethane

Concen: 4.709 ug/l

RT: 6.24 min Scan# 579

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

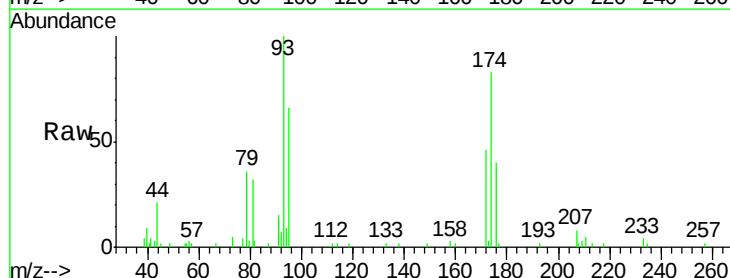
Tgt Ion: 93 Resp: 14403

Ion Ratio Lower Upper

93 100

95 66.1 64.2 96.4

174 83.3 72.7 109.1



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

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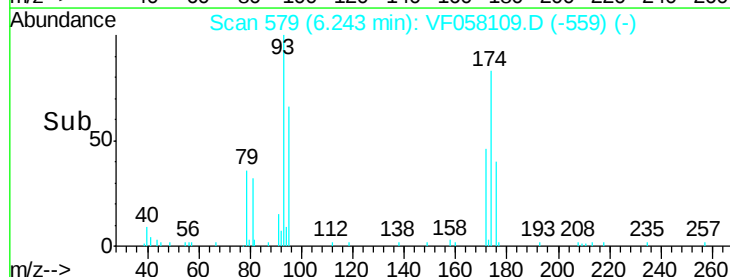
6.24

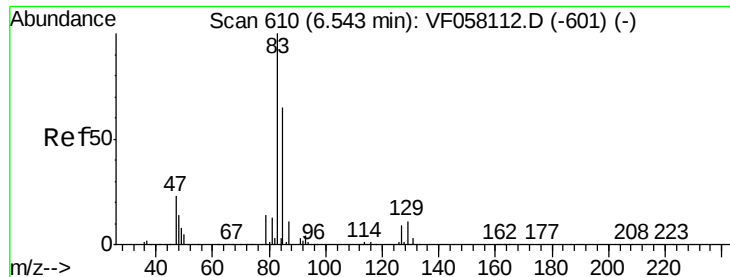
6.24

6.24

6.24

6.24





#47

Bromodichloromethane

Concen: 5.194 ug/l

RT: 6.55 min Scan# 610

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

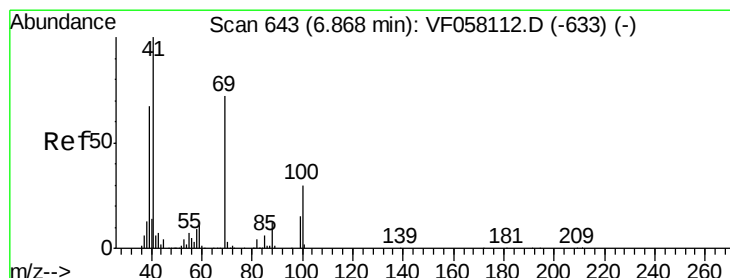
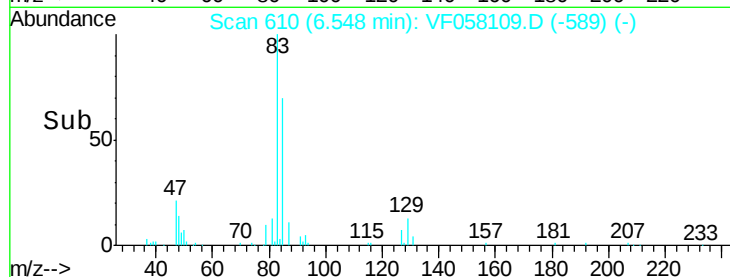
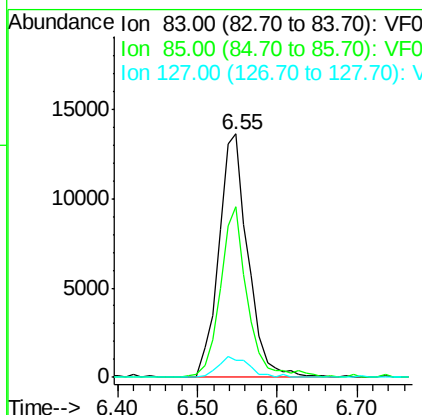
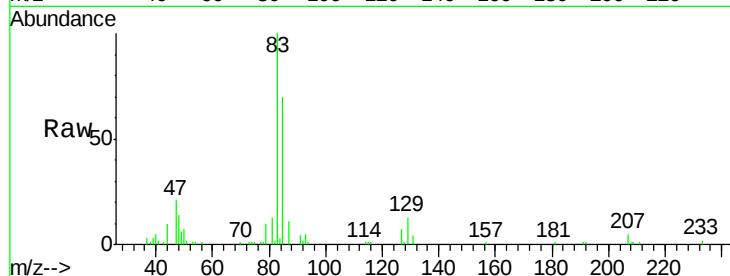
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	35052
Ion	Ratio	Lower	Upper
83	100		
85	67.9	51.6	77.4
127	6.6	7.2	10.8#

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#48

Methyl methacrylate

Concen: 4.626 ug/l

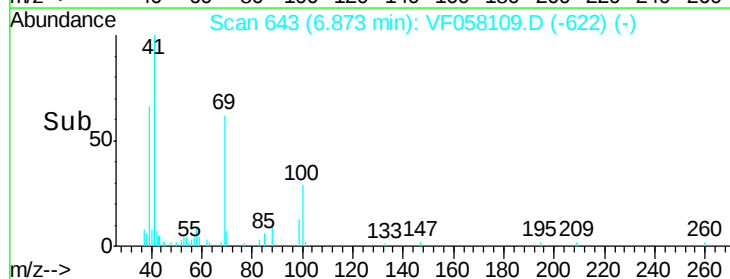
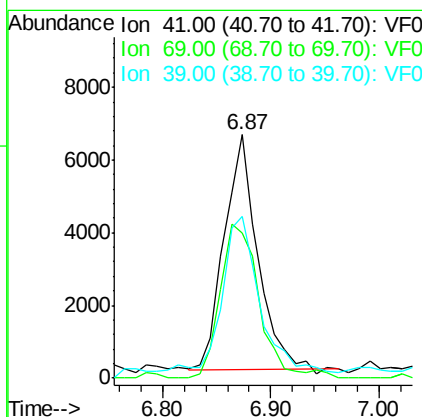
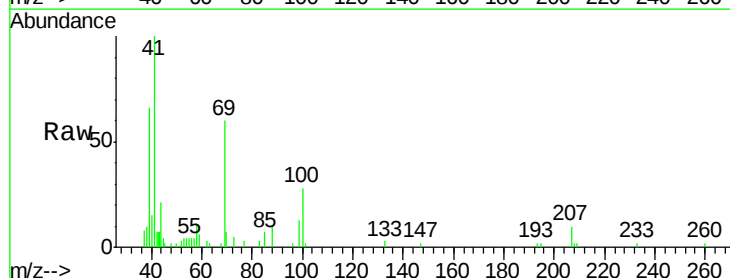
RT: 6.87 min Scan# 643

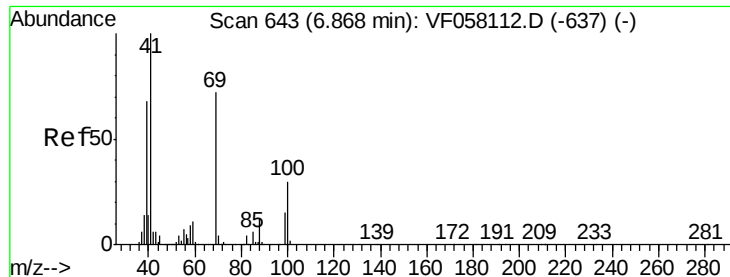
Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	41	Resp:	13916
Ion	Ratio	Lower	Upper
41	100		
69	59.7	57.2	85.8
39	66.2	54.3	81.5





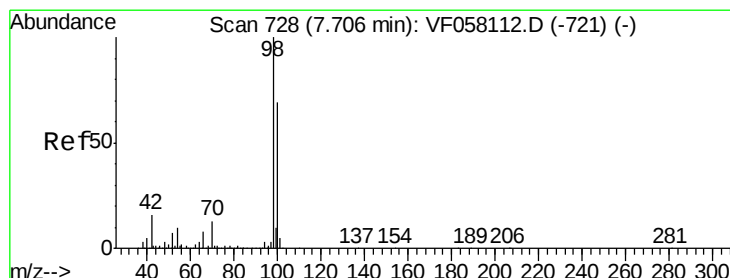
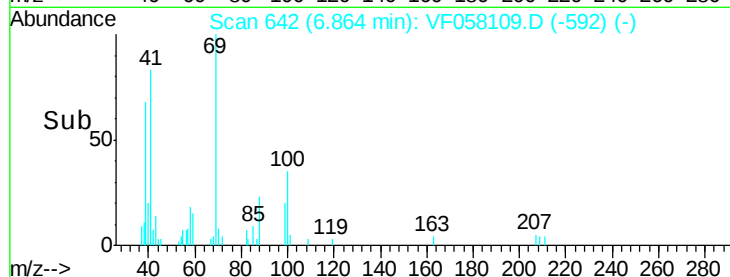
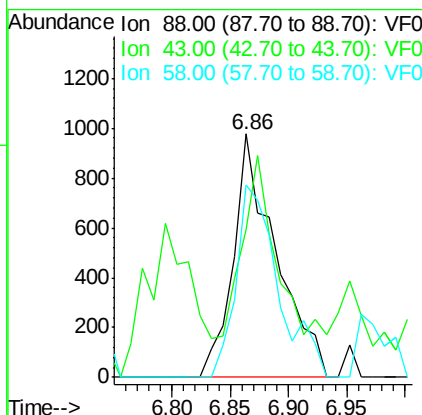
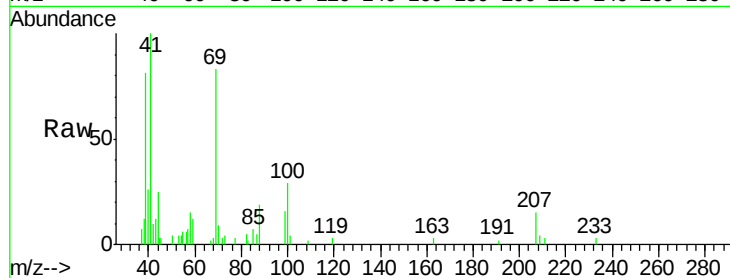
#49
1,4-Dioxane
Concen: 119.511 ug/l
RT: 6.86 min Scan# 642
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
88	100		
43	60.7	47.8	71.8
58	79.1	59.4	89.0

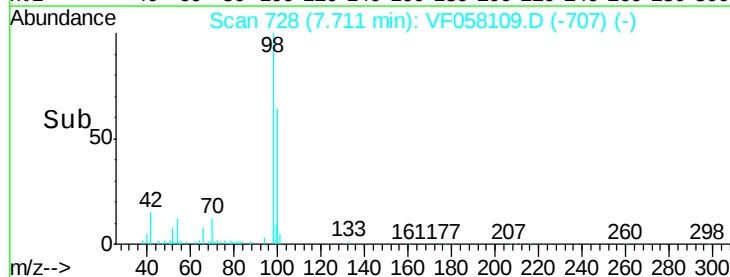
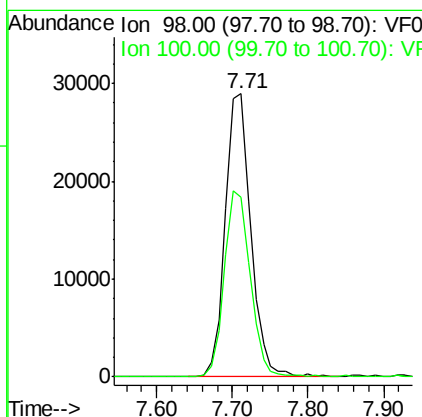
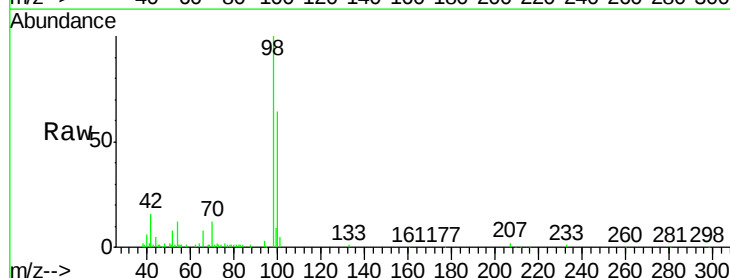
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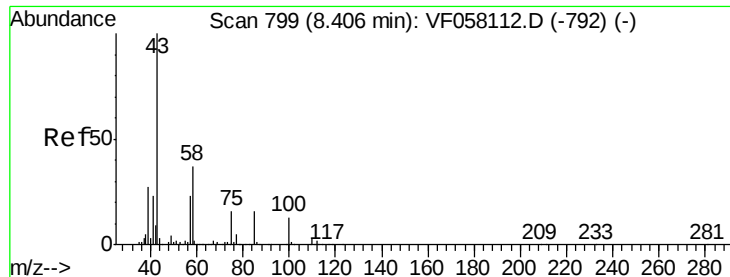
apatel
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#50
Toluene-d8
Concen: 5.228 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	55.6	83.4





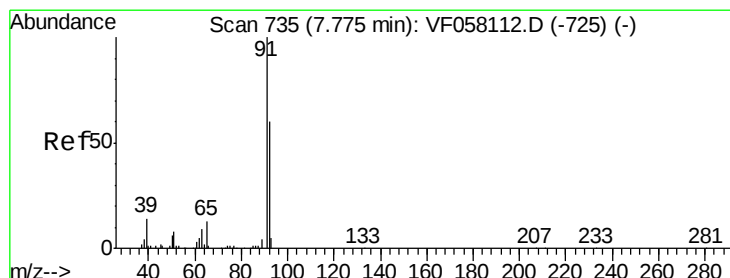
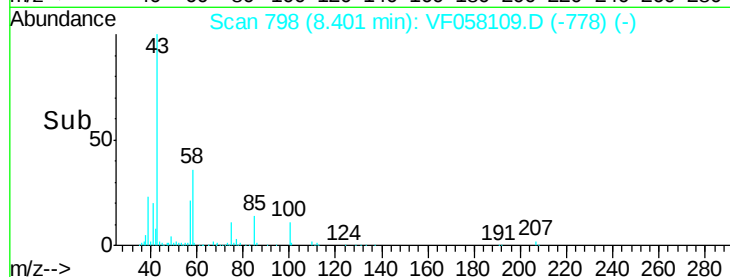
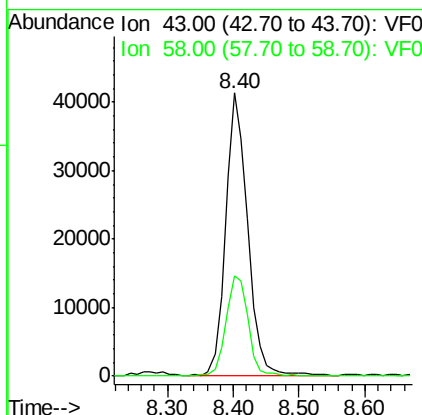
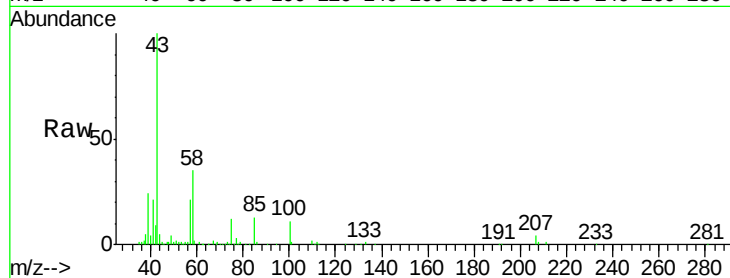
#51
4-Methyl-2-Pentanone
Concen: 29.174 ug/l
RT: 8.40 min Scan# 798
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	29.4	44.0

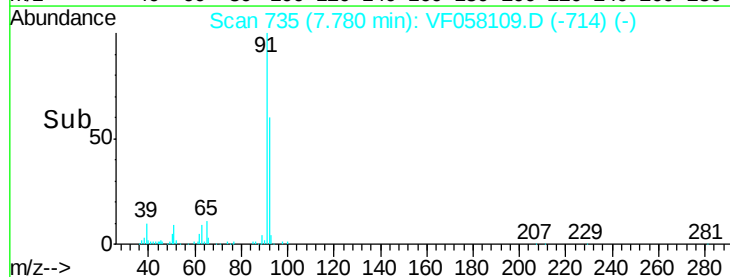
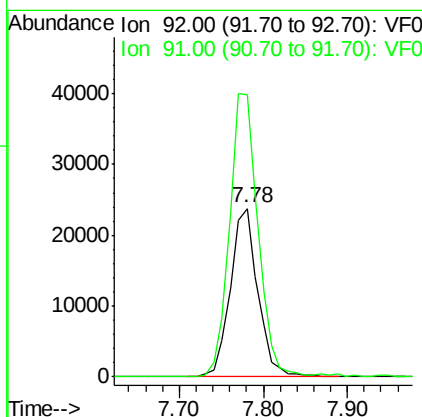
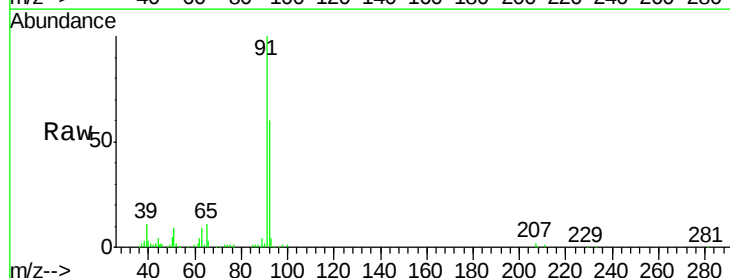
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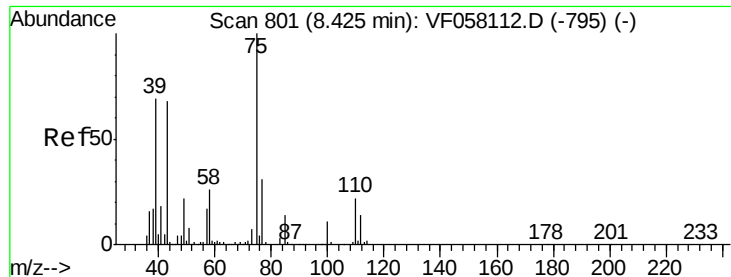
apatel
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#52
Toluene
Concen: 5.467 ug/l
RT: 7.78 min Scan# 735
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.3	132.9	199.3





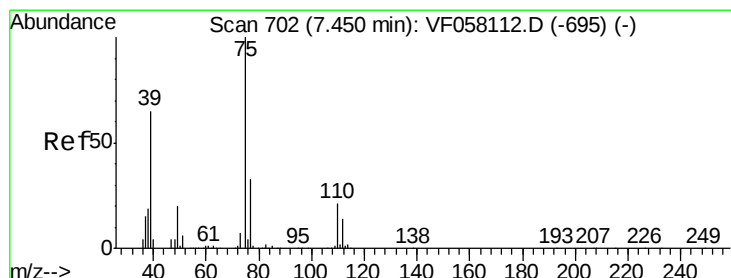
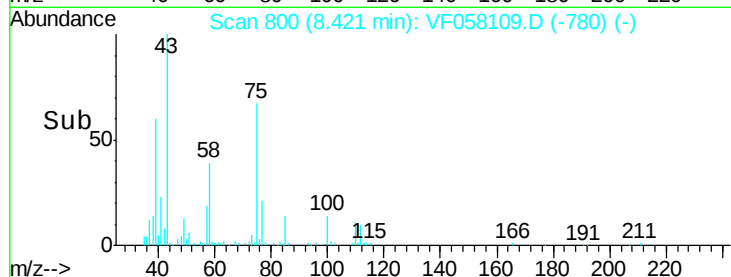
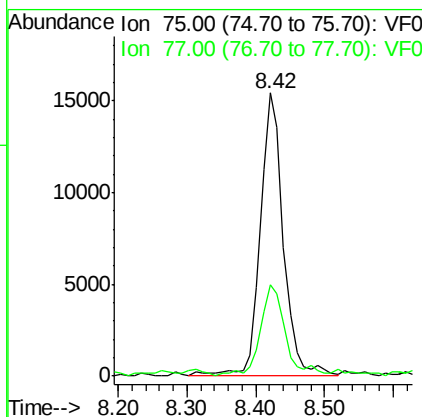
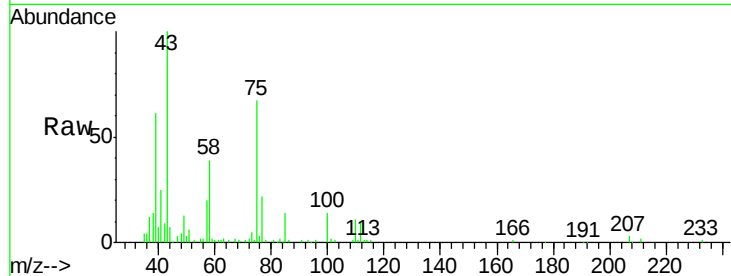
#53
 t-1,3-Dichloropropene
 Concen: 5.667 ug/l
 RT: 8.42 min Scan# 800
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion: 75 Resp: 36543
 Ion Ratio Lower Upper
 75 100
 77 32.5 25.1 37.7

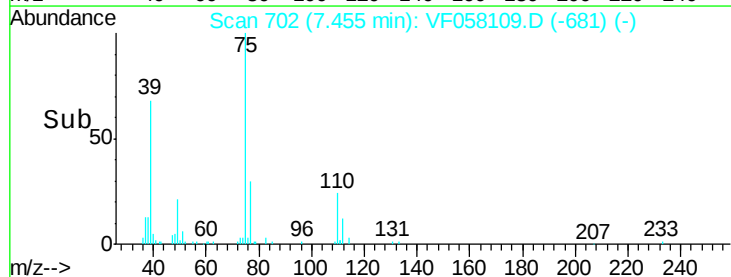
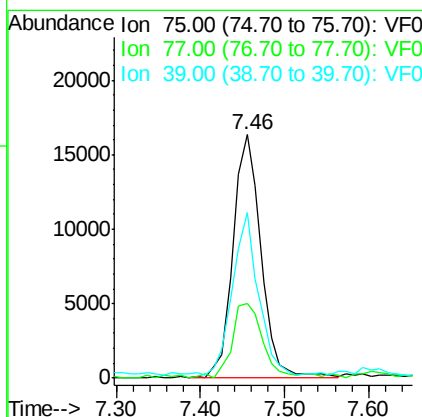
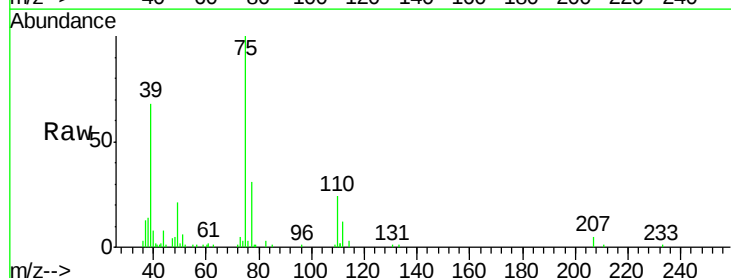
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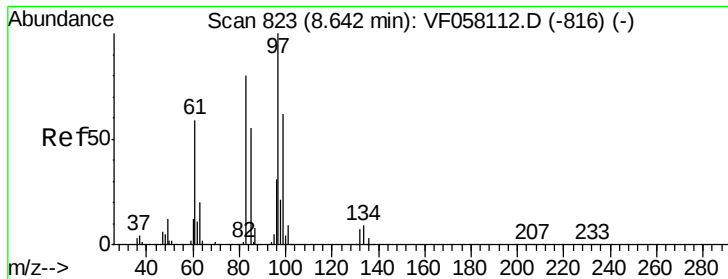
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#54
 cis-1,3-Dichloropropene
 Concen: 5.126 ug/l
 RT: 7.46 min Scan# 702
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion: 75 Resp: 37975
 Ion Ratio Lower Upper
 75 100
 77 30.9 26.3 39.5
 39 68.2 52.1 78.1





#55

1,1,2-Trichloroethane

Concen: 4.970 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

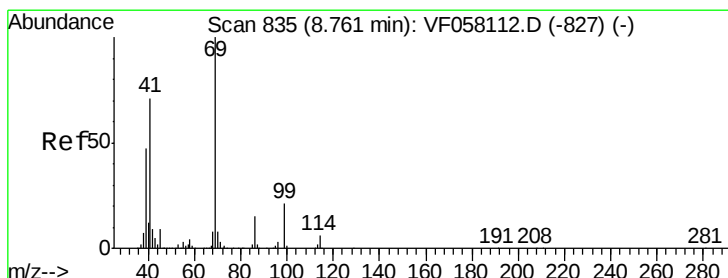
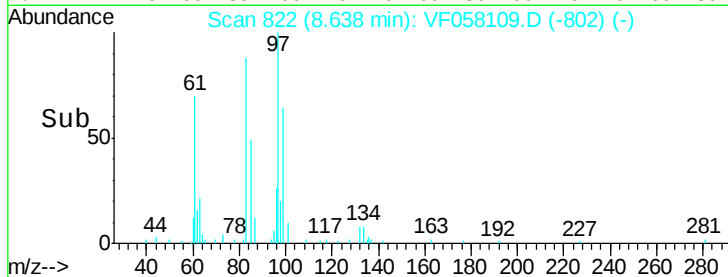
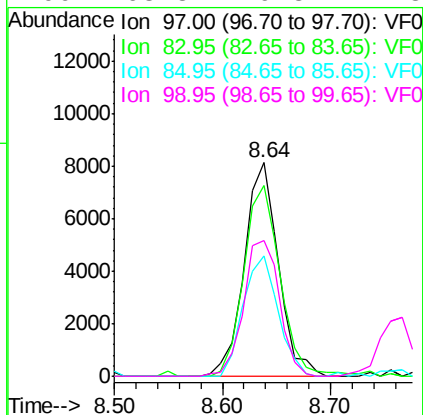
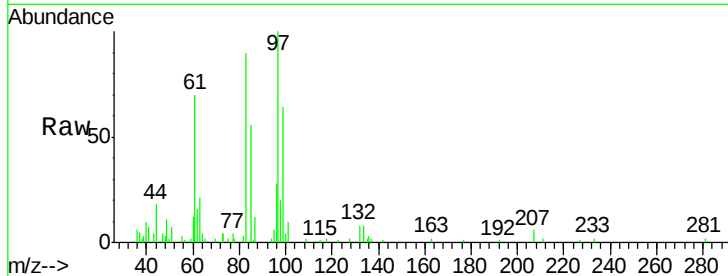
ClientSampleId :

VSTDIC005

Tgt Ion:	97	Resp:	17884
Ion	Ratio	Lower	Upper
97	100		
83	89.6	64.3	96.5
85	56.1	43.8	65.8
99	63.8	49.8	74.8

Manual Integrations
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#56

Ethyl methacrylate

Concen: 4.927 ug/l

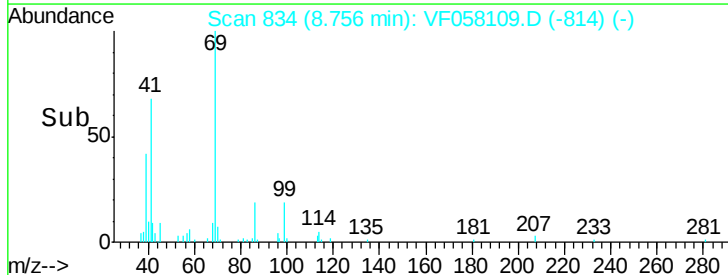
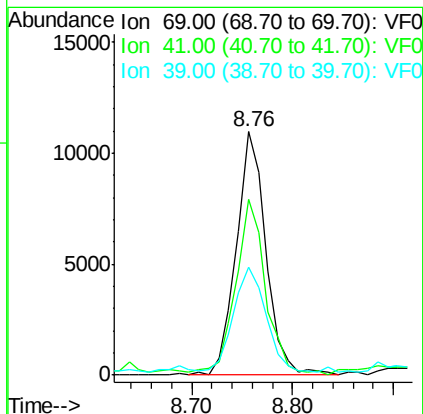
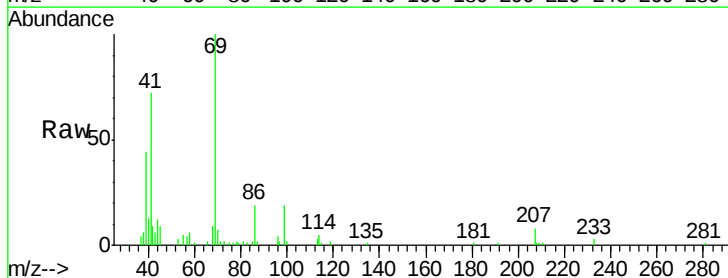
RT: 8.76 min Scan# 834

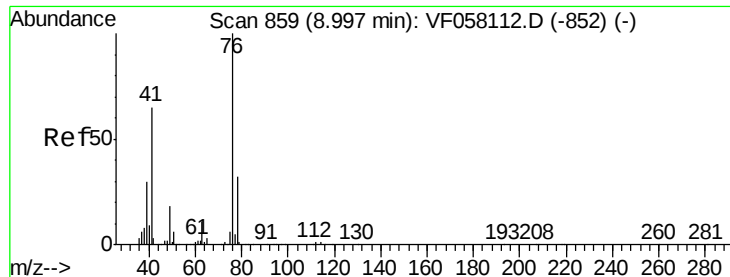
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	69	Resp:	22419
Ion	Ratio	Lower	Upper
69	100		
41	72.2	56.9	85.3
39	44.4	38.0	57.0





#57

1,3-Dichloropropane

Concen: 4.943 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 76 Resp: 30967

Ion Ratio Lower Upper

76 100

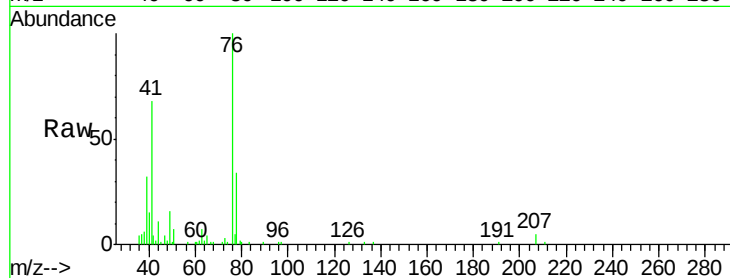
78 33.9 25.8 38.6

Manual Integrations

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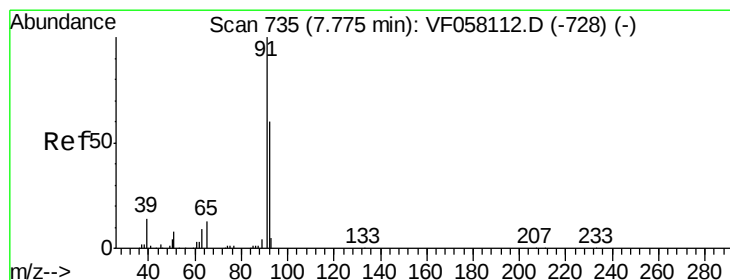
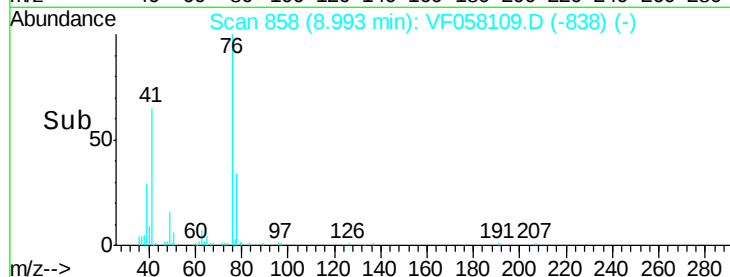
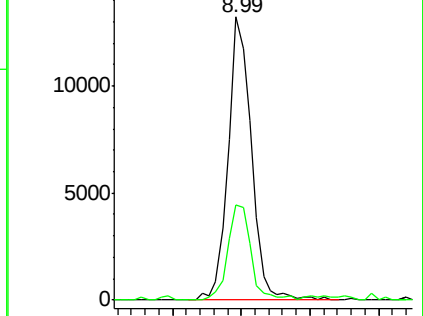
apatel

6/7/2018 12:37:35 PM



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 28.060 ug/l

RT: 7.78 min Scan# 735

Delta R.T. 0.01 min

Lab File: VF058109.D

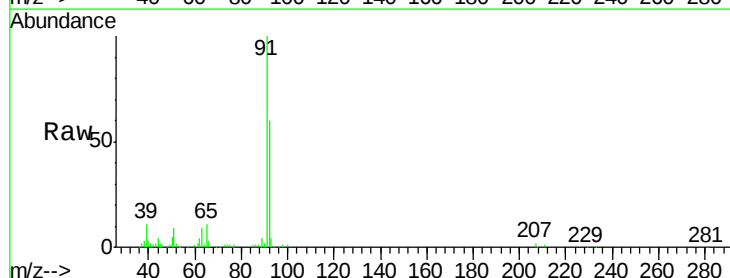
Acq: 6 Jun 2018 16:17

Tgt Ion: 63 Resp: 8828

Ion Ratio Lower Upper

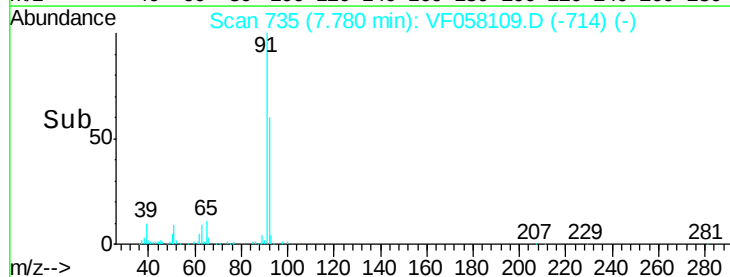
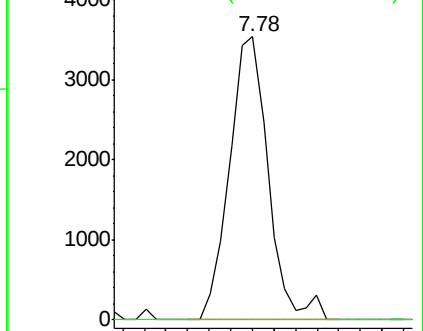
63 100

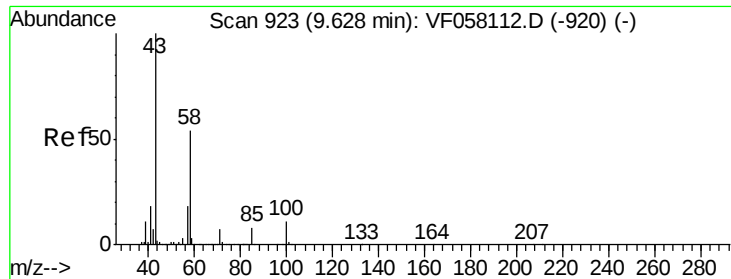
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





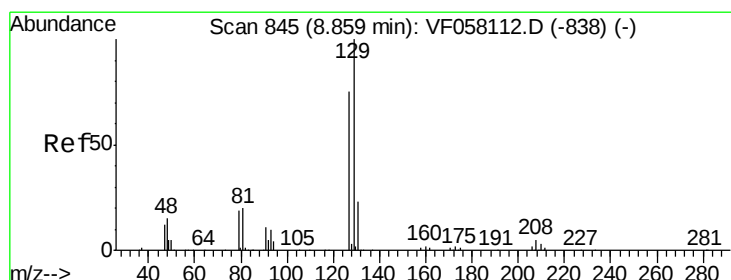
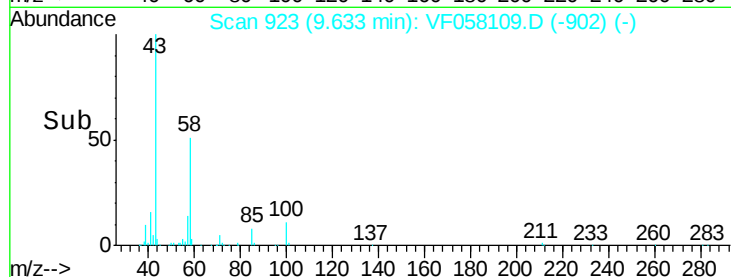
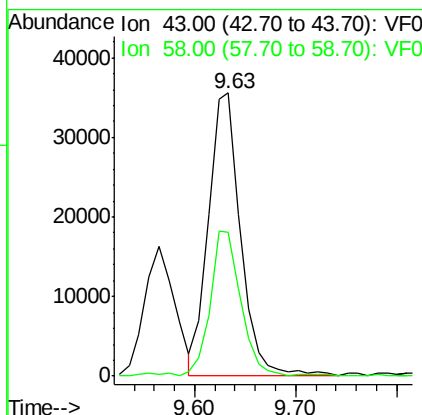
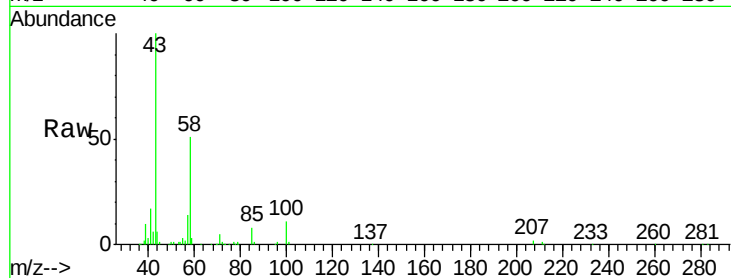
#59
2-Hexanone
Concen: 30.600 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 79167
Ion Ratio Lower Upper
43 100
58 50.6 26.3 78.8

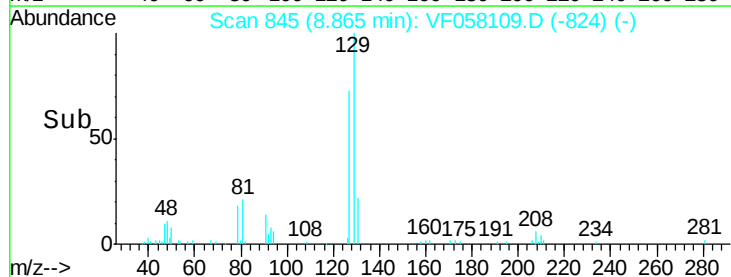
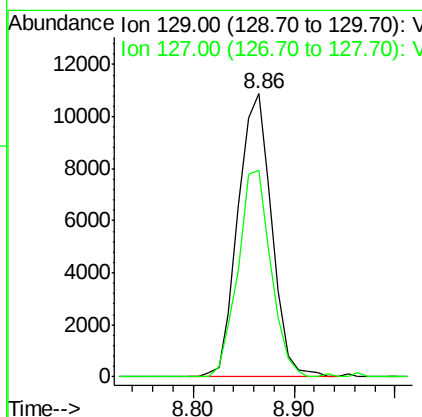
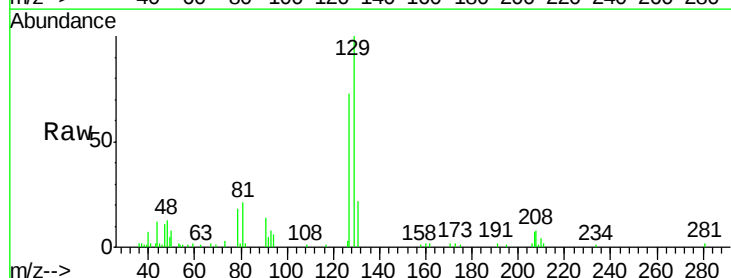
Manual Integrations
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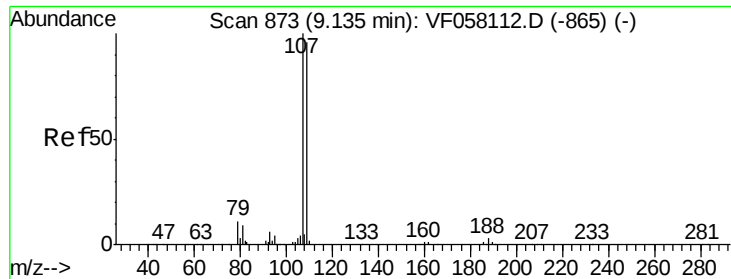
apatel
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#60
Dibromochloromethane
Concen: 4.941 ug/l
RT: 8.86 min Scan# 845
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion: 129 Resp: 25279
Ion Ratio Lower Upper
129 100
127 72.8 37.6 112.9





#61

1,2-Dibromoethane

Concen: 4.909 ug/l

RT: 9.13 min Scan# 872

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 107 Resp: 21075

Ion Ratio Lower Upper

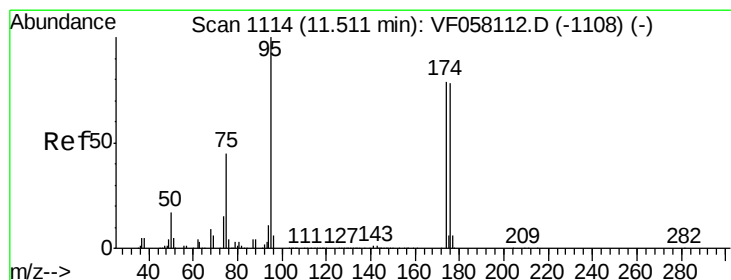
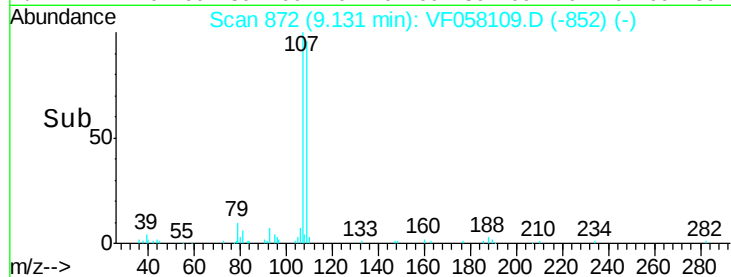
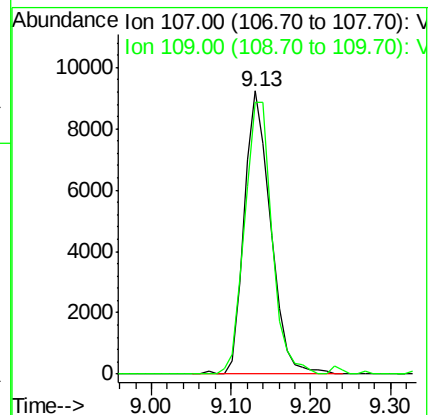
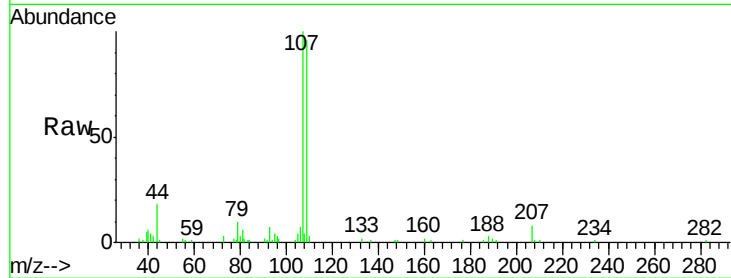
107 100

109 96.1 76.6 115.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 5.592 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

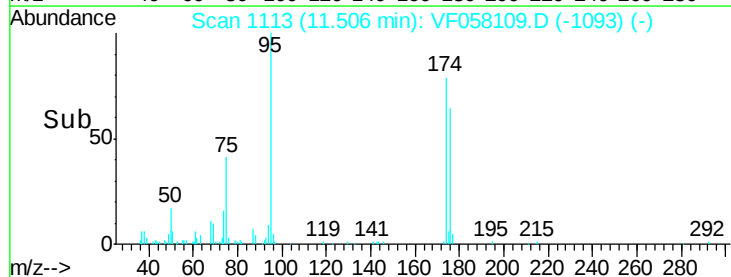
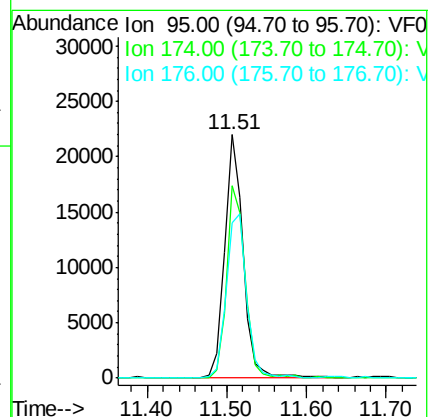
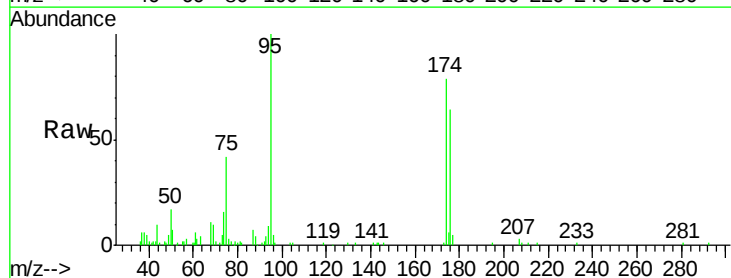
Tgt Ion: 95 Resp: 36204

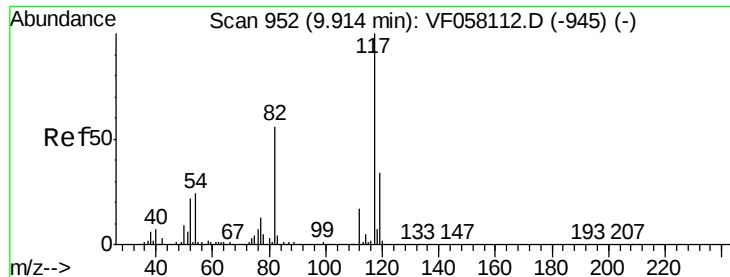
Ion Ratio Lower Upper

95 100

174 78.9 0.0 157.8

176 63.7 0.0 155.8





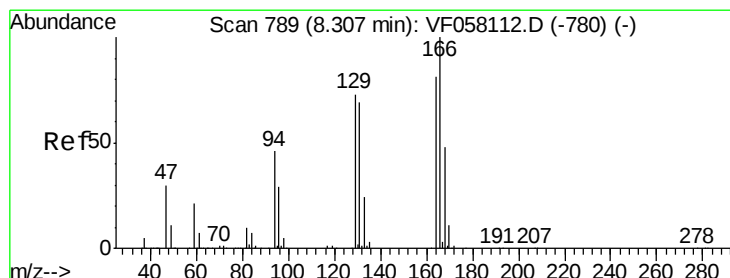
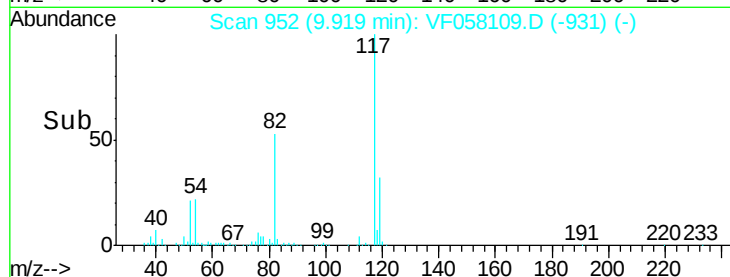
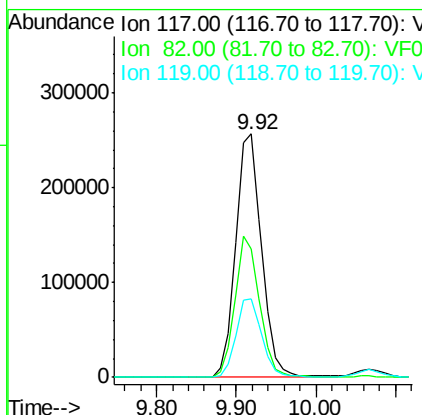
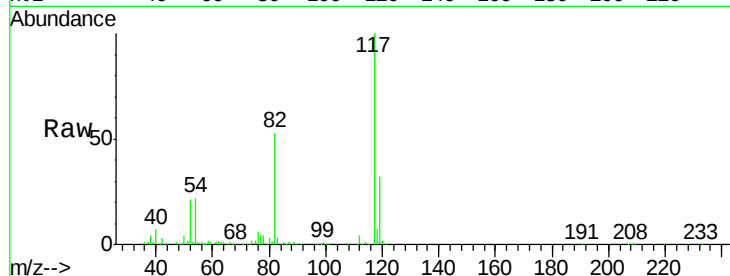
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	580773		
82	53.0		45.2	67.8
119	32.2		27.5	41.3

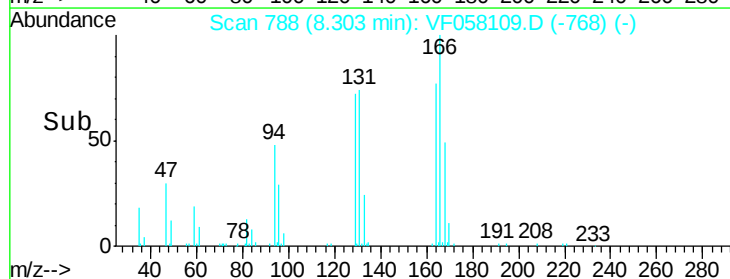
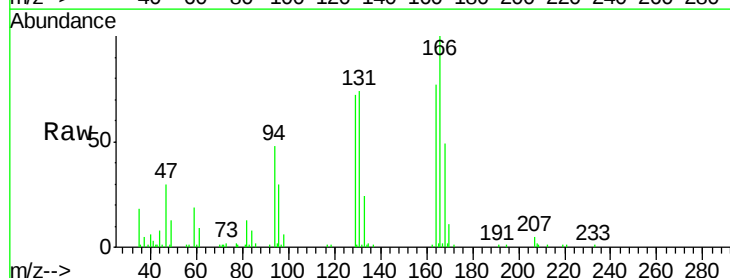
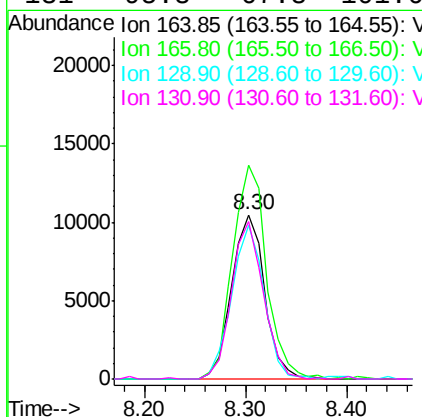
Manual Integrations
APPROVED

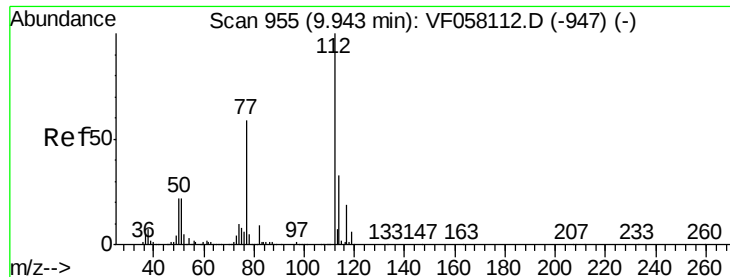
apatel
6/7/2018 12:37:35 PM



#64
Tetrachloroethene
Concen: 5.456 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	23920		
166	130.0		98.2	147.4
129	93.6		71.6	107.4
131	95.8		67.8	101.6





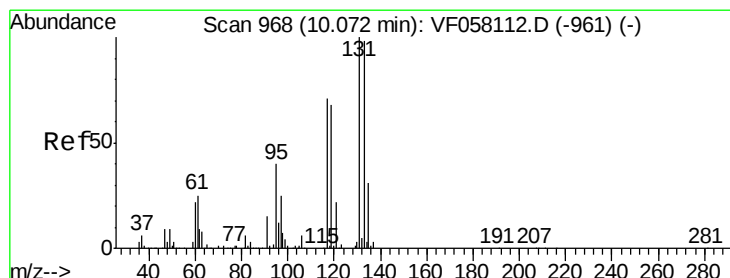
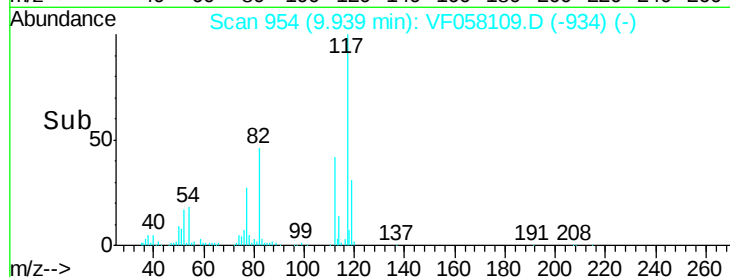
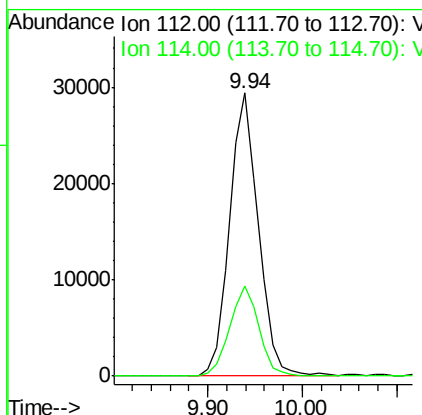
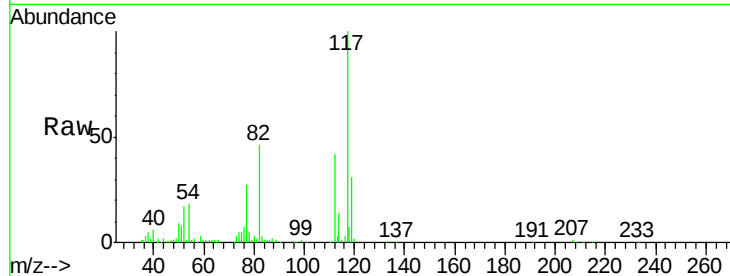
#65
Chlorobenzene
Concen: 5.254 ug/l
RT: 9.94 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 61824
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4

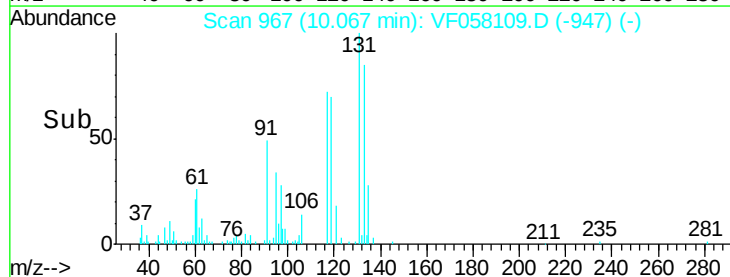
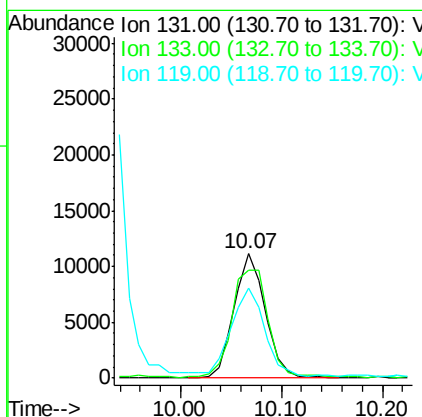
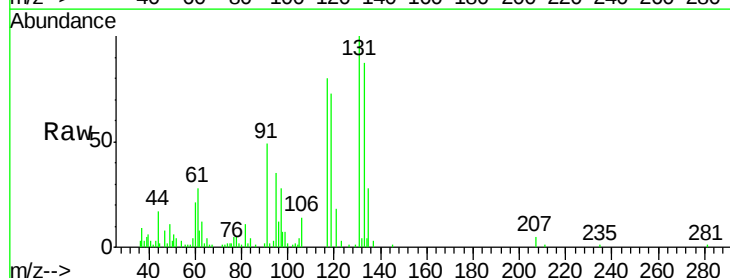
Manual Integrations
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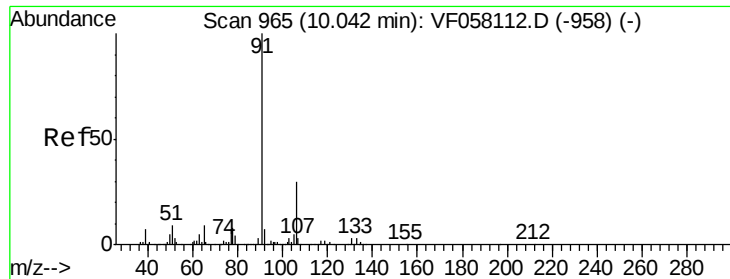
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.238 ug/l
RT: 10.07 min Scan# 967
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion:131 Resp: 24094
Ion Ratio Lower Upper
131 100
133 83.2 49.1 147.4
119 70.1 34.3 102.8





#67

Ethyl Benzene

Concen: 5.263 ug/l

RT: 10.04 min Scan# 964

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 108859

Ion Ratio Lower Upper

91 100

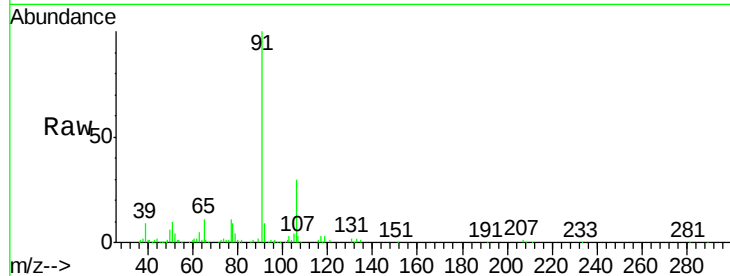
106 29.9 24.2 36.4

Manual Integrations

APPROVED

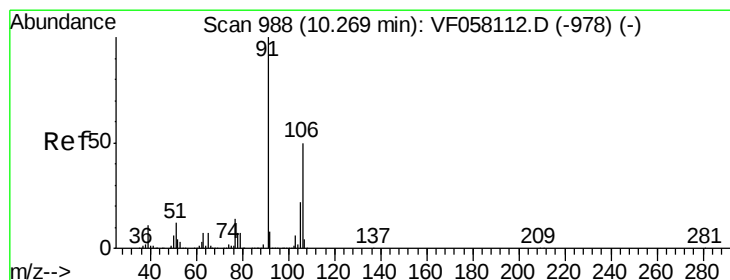
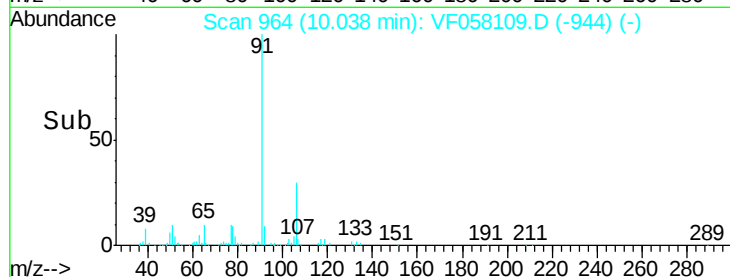
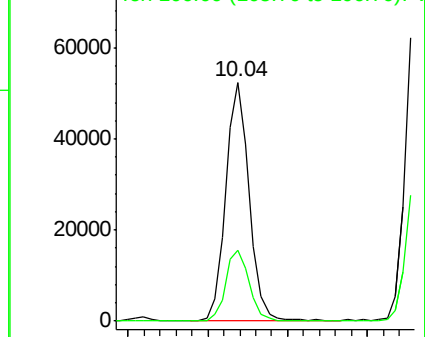
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.838 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.00 min

Lab File: VF058109.D

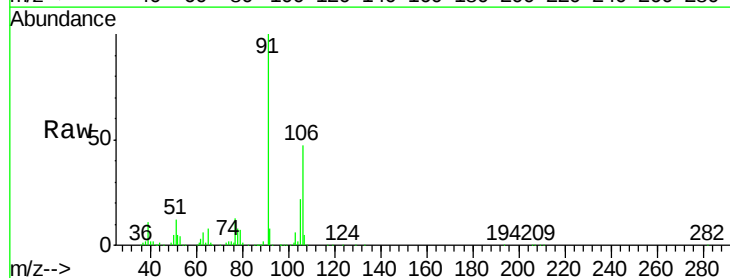
Acq: 6 Jun 2018 16:17

Tgt Ion: 106 Resp: 83104

Ion Ratio Lower Upper

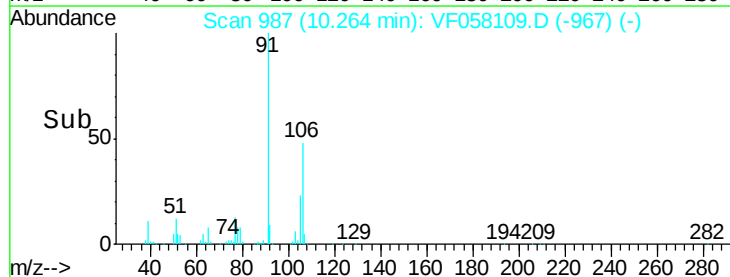
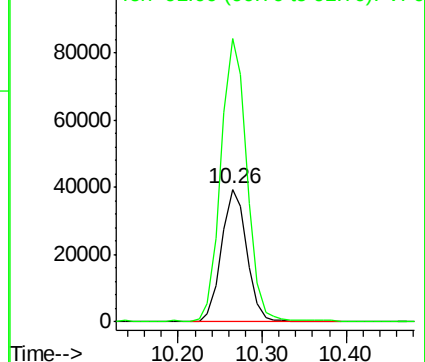
106 100

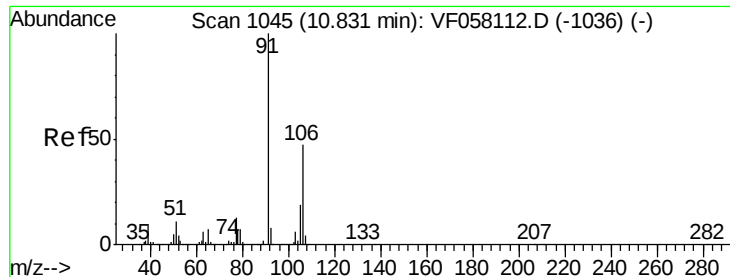
91 212.9 160.7 241.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





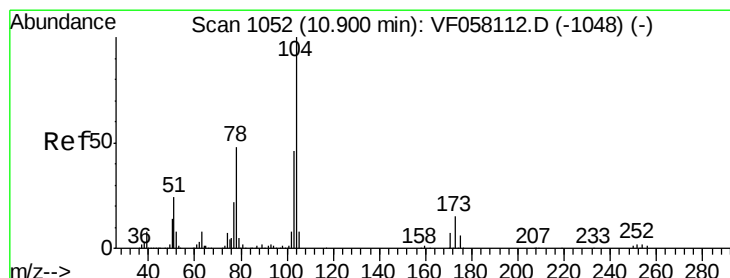
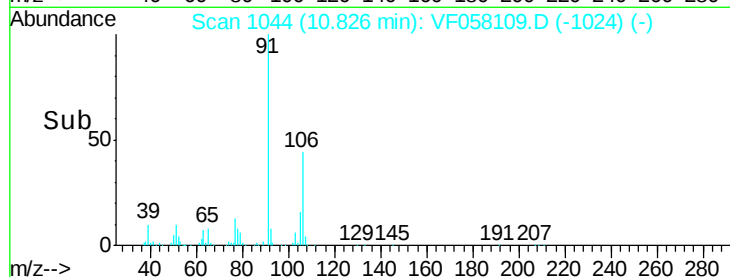
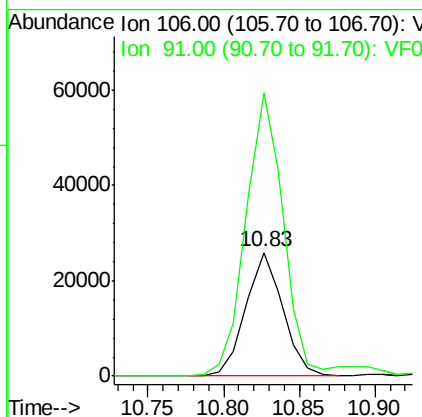
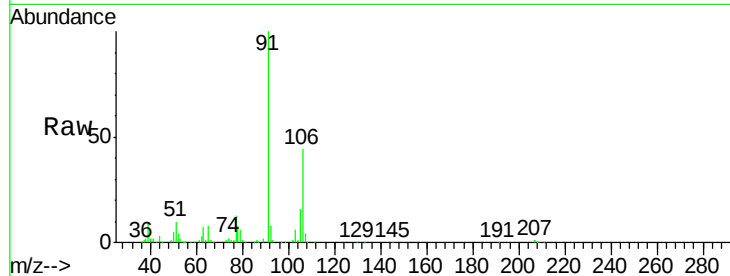
#69
o-Xylene
Concen: 5.332 ug/l
RT: 10.83 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 44529
Ion Ratio Lower Upper
106 100
91 228.3 107.0 321.0

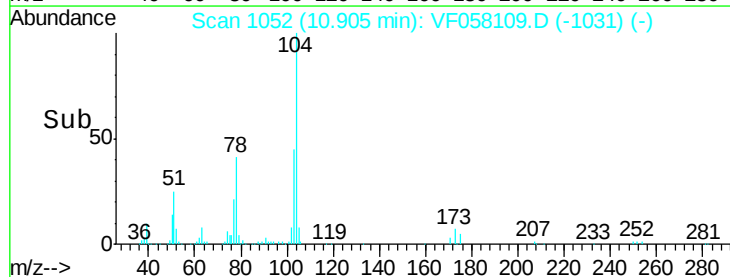
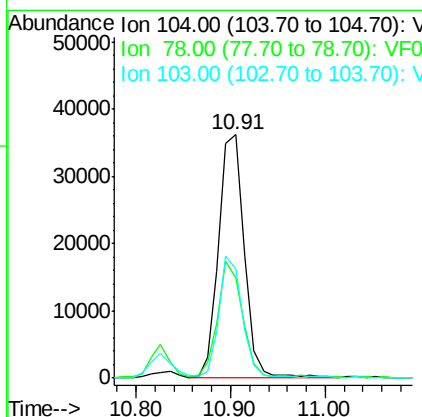
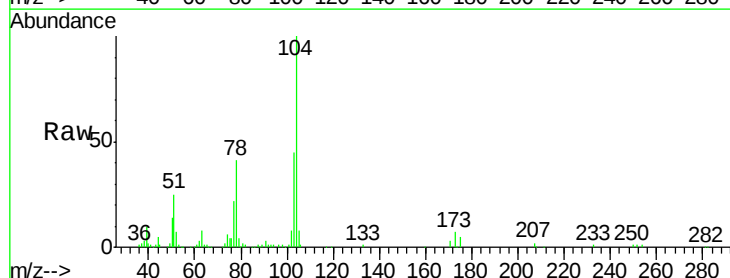
Manual Integrations
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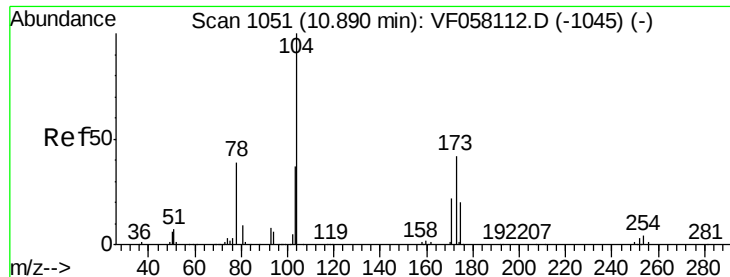
apatel
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#70
Styrene
Concen: 5.501 ug/l
RT: 10.91 min Scan# 1052
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion:104 Resp: 68888
Ion Ratio Lower Upper
104 100
78 40.9 38.4 57.6
103 44.7 37.0 55.6





#71

Bromoform

Concen: 4.748 ug/l

RT: 10.89 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

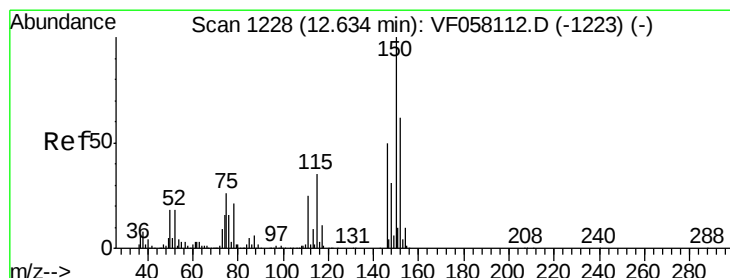
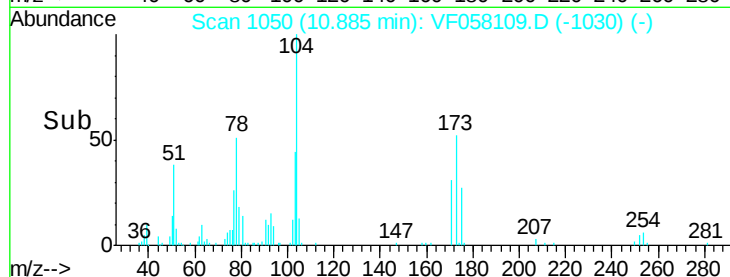
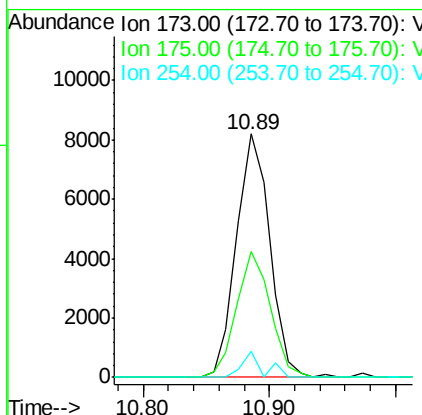
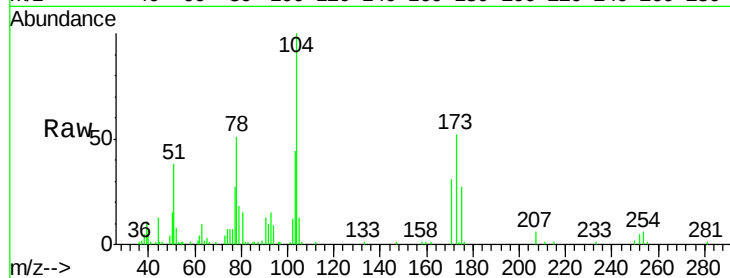
ClientSampleId :

VSTDIC005

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.4	24.6	74.0
254	10.9	7.8	11.8

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

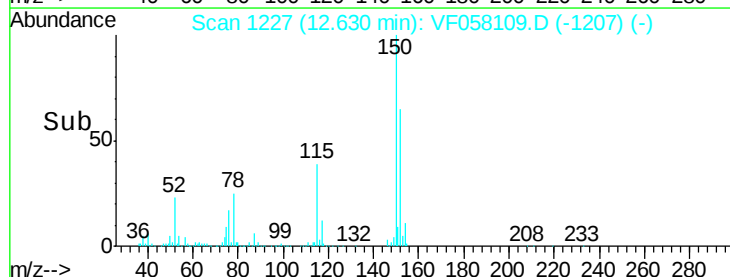
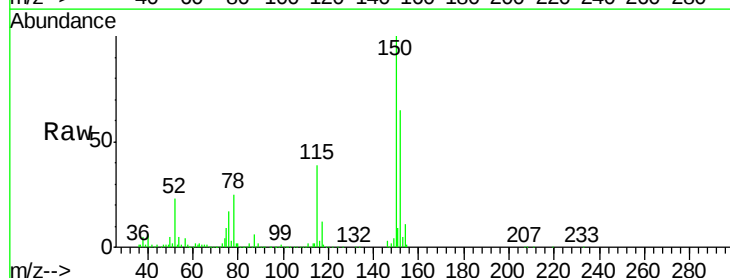
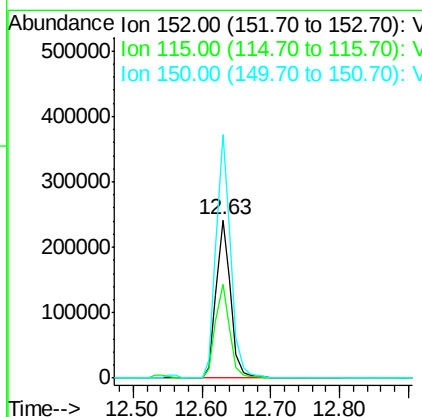
RT: 12.63 min Scan# 1227

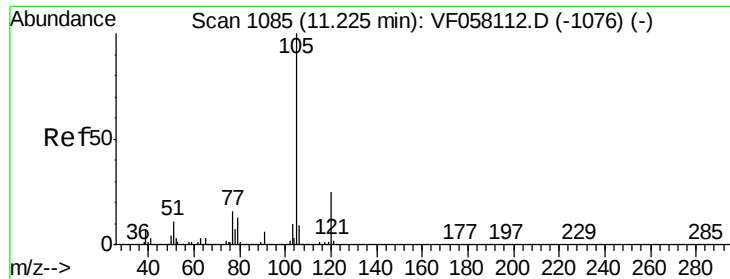
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.5	85.5
150	153.6	0.0	323.8





#73

Isopropylbenzene

Concen: 5.480 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 105 Resp: 136653

Ion Ratio Lower Upper

105 100

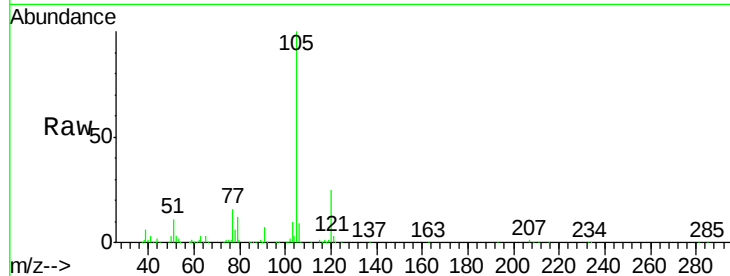
120 25.3 12.7 38.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

80000

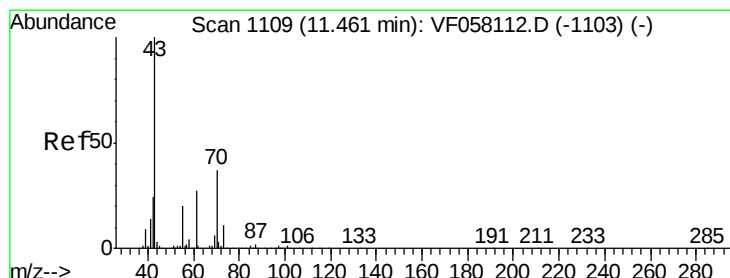
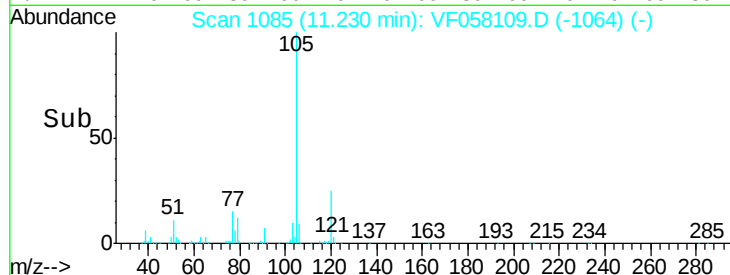
60000

40000

20000

0

Time--> 11.10 11.20 11.30



#74

N-ethyl acetate

Concen: 5.085 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion: 43 Resp: 47290

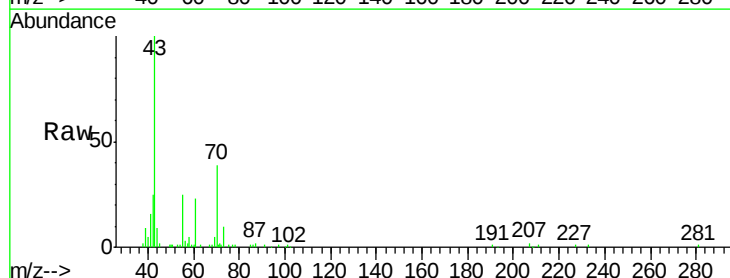
Ion Ratio Lower Upper

43 100

70 38.5 29.2 43.8

55 24.9 15.8 23.6#

61 23.0 21.3 31.9



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

40000

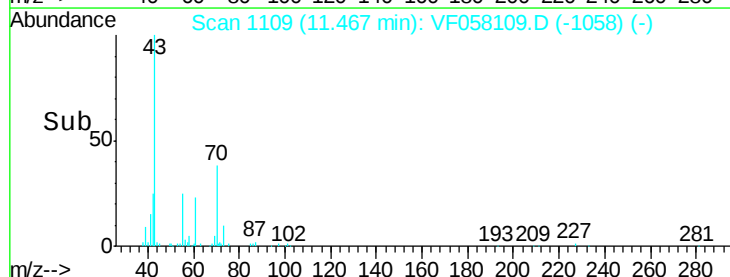
30000

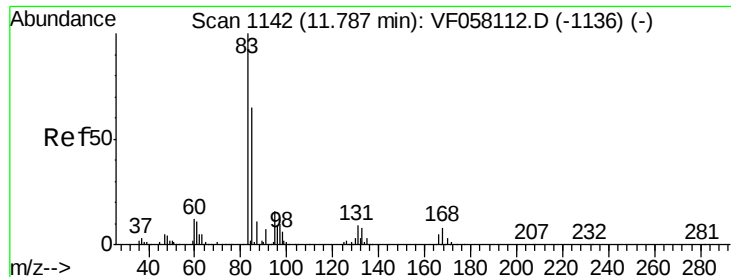
20000

10000

0

Time--> 11.40 11.45 11.50





#75

1,1,2,2-Tetrachloroethane

Concen: 5.325 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

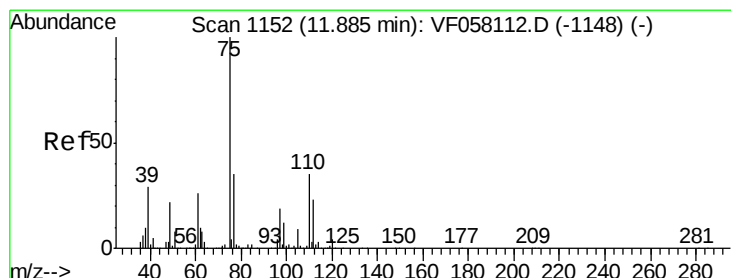
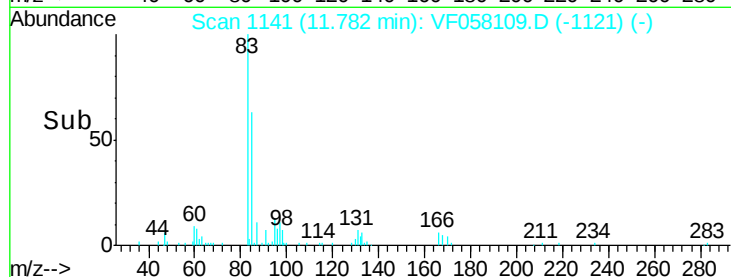
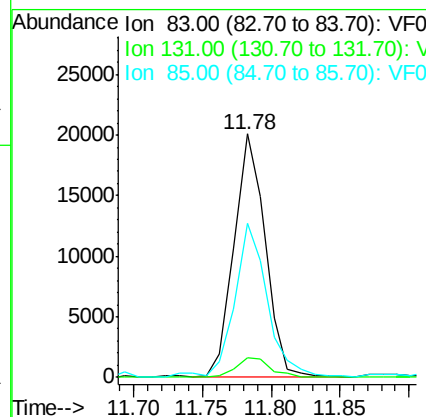
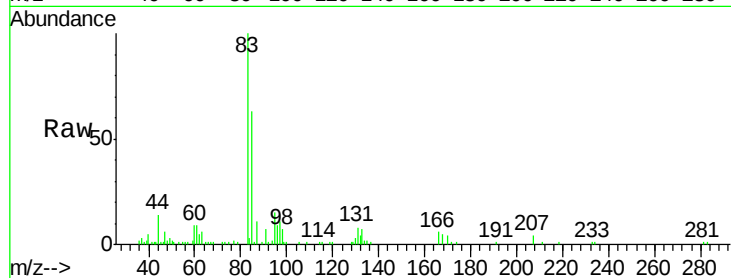
ClientSampleId :

VSTDIC005

Tgt Ion:	83	Resp:	31810
Ion Ratio	Lower	Upper	
83	100		
131	7.9	4.5	13.7
85	63.5	32.8	98.3

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#76

1,2,3-Trichloropropane

Concen: 5.224 ug/l

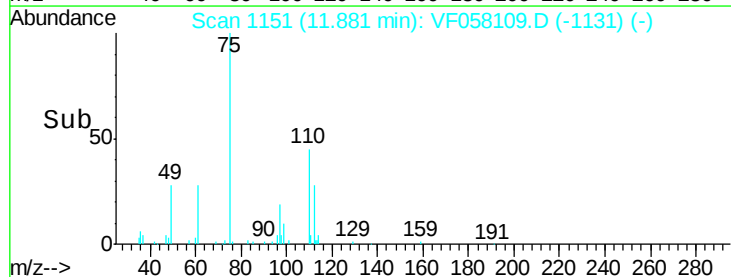
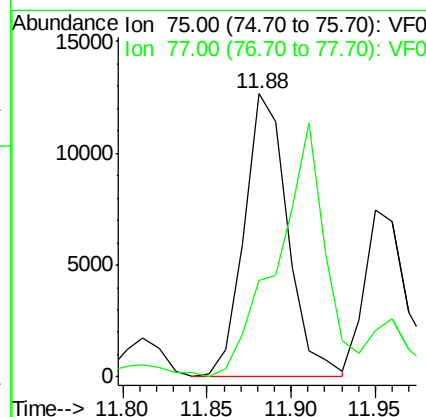
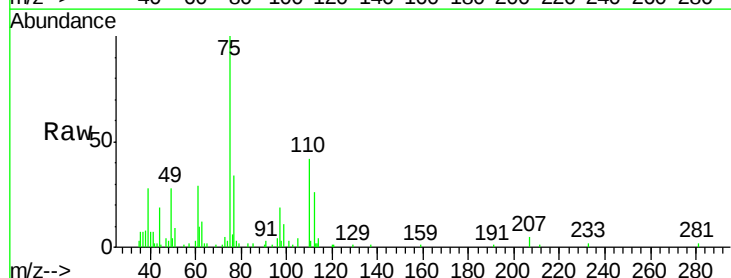
RT: 11.88 min Scan# 1151

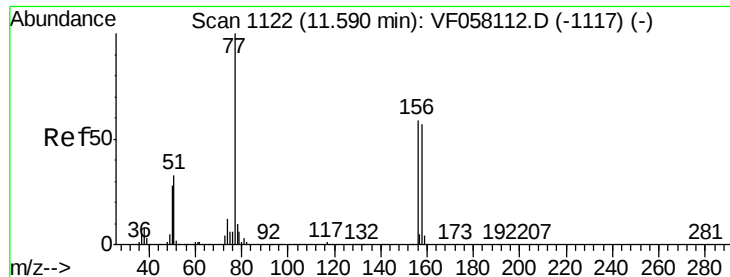
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	75	Resp:	22771
Ion Ratio	Lower	Upper	
75	100		
77	34.1	17.5	52.5





#77

Bromobenzene

Concen: 5.245 ug/l

RT: 11.60 min Scan# 1122

Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

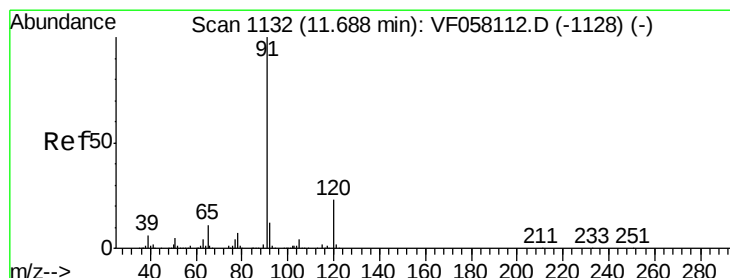
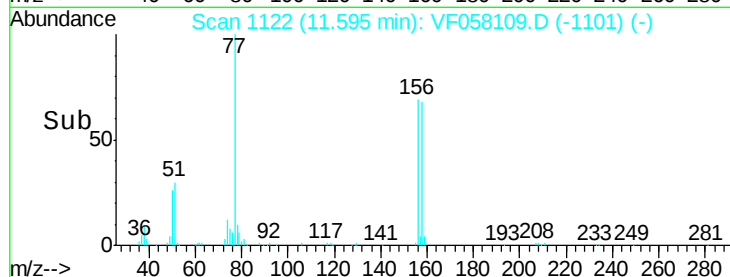
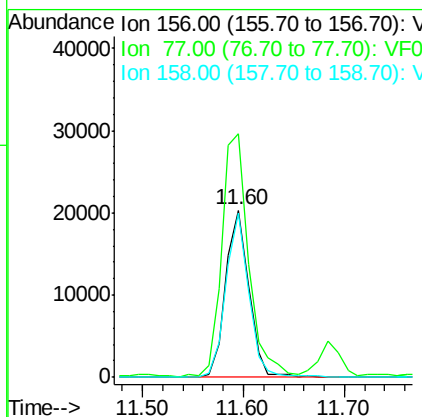
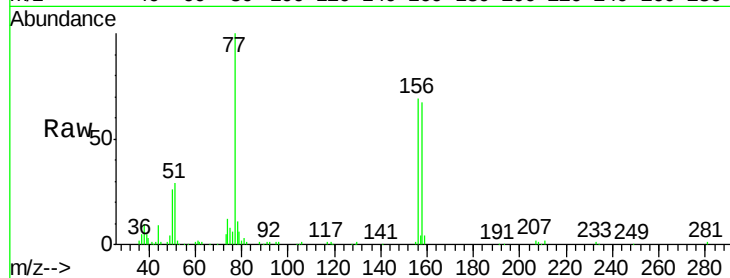
ClientSampleId :

VSTDIC005

Tgt Ion:	156	Resp:	32593
Ion Ratio	Lower	Upper	
156	100		
77	145.7	84.8	254.4
158	98.2	47.9	143.7

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#78

n-propylbenzene

Concen: 5.564 ug/l

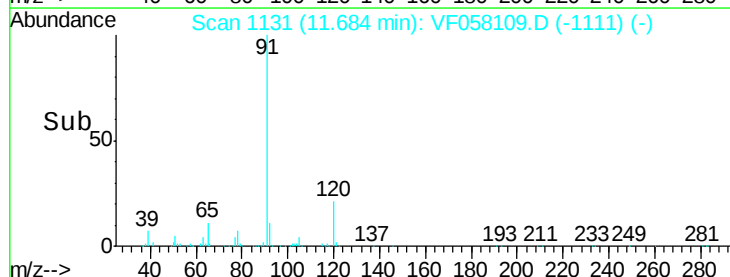
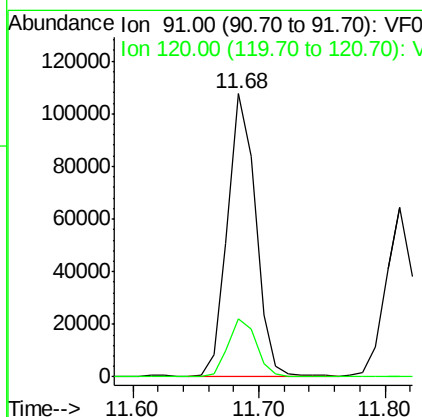
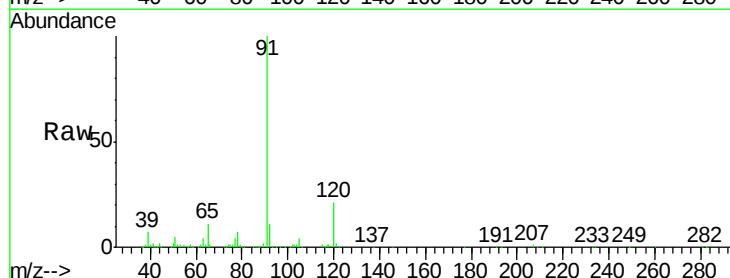
RT: 11.68 min Scan# 1131

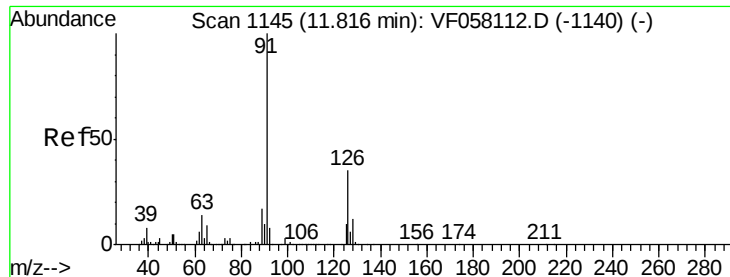
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	91	Resp:	165799
Ion Ratio	Lower	Upper	
91	100		
120	20.6	11.5	34.5





#79

2-Chlorotoluene

Concen: 5.519 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 97152

Ion Ratio Lower Upper

91 100

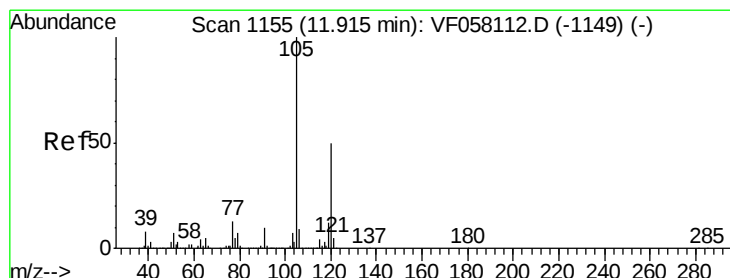
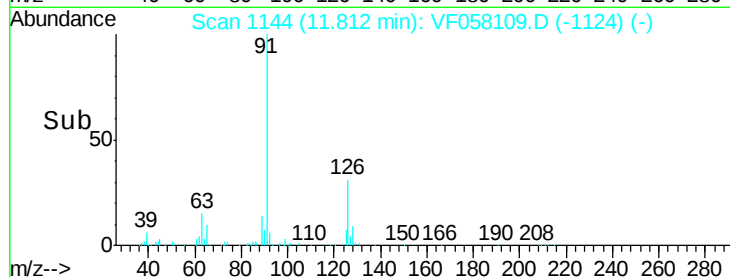
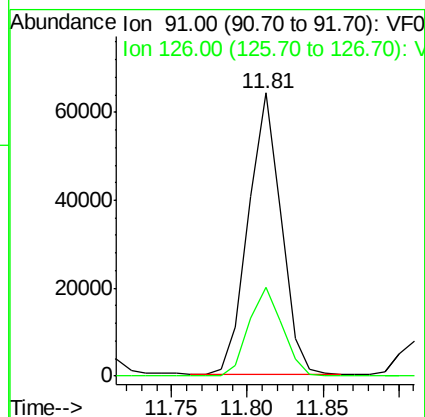
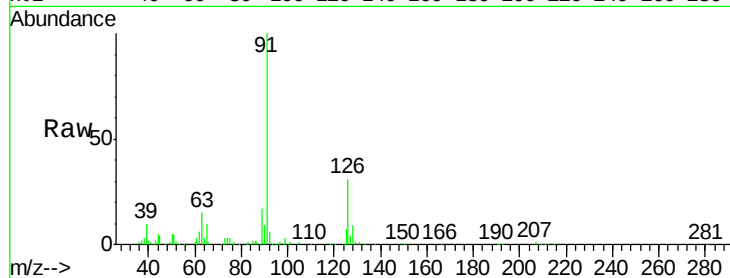
126 31.2 17.6 52.9

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#80

1,3,5-Trimethylbenzene

Concen: 5.572 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. -0.00 min

Lab File: VF058109.D

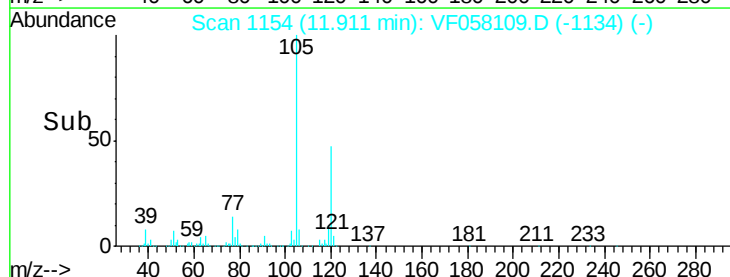
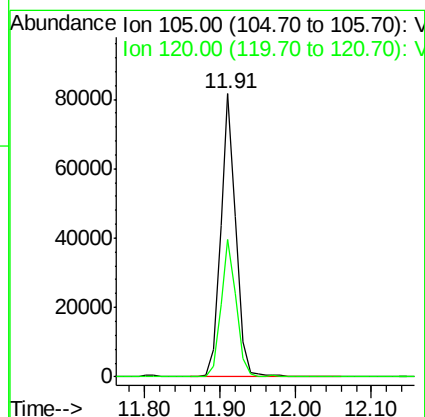
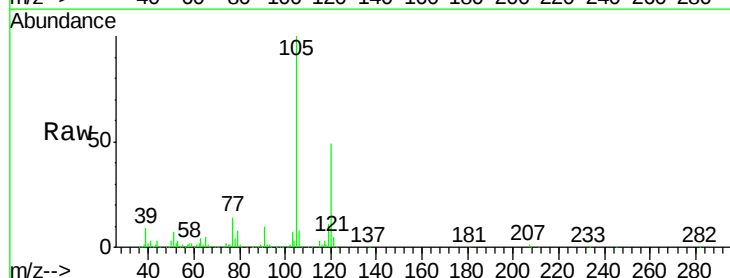
Acq: 6 Jun 2018 16:17

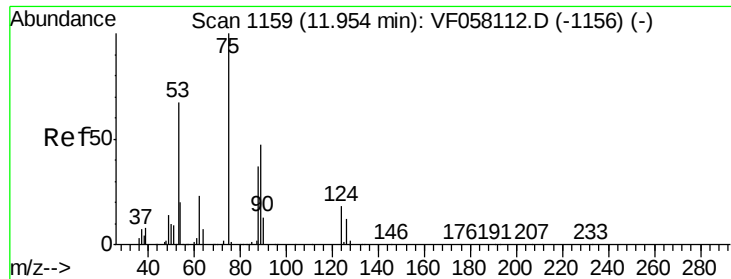
Tgt Ion: 105 Resp: 115182

Ion Ratio Lower Upper

105 100

120 48.6 24.9 74.6





#81

trans-1,4-Dichloro-2-butene

Concen: 5.574 ug/l

RT: 11.95 min Scan# 1158

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

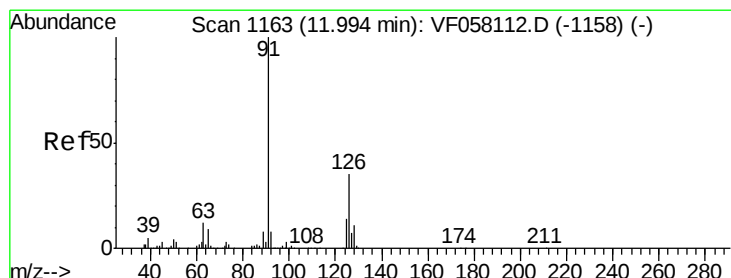
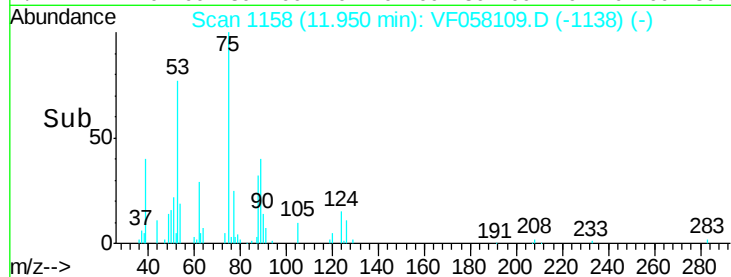
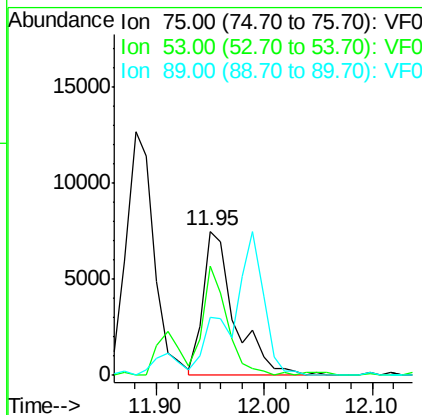
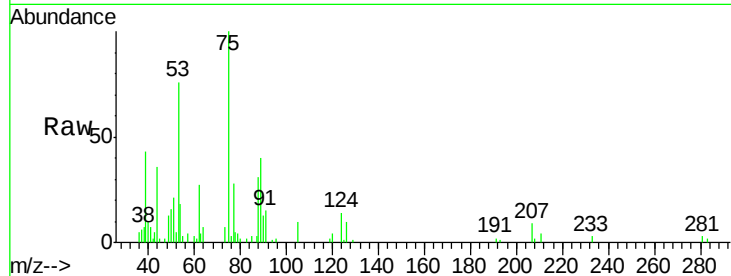
ClientSampleId :

VSTDIC005

Tgt Ion:	75	Resp:	15388
Ion Ratio	Lower	Upper	
75	100		
53	75.6	58.7	88.1
89	40.1	39.8	59.6

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.575 ug/l

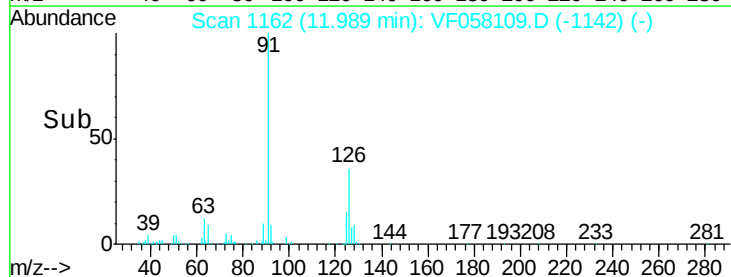
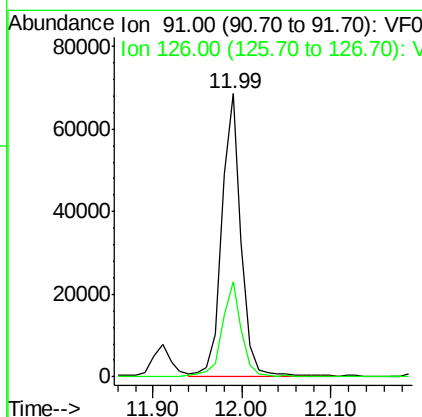
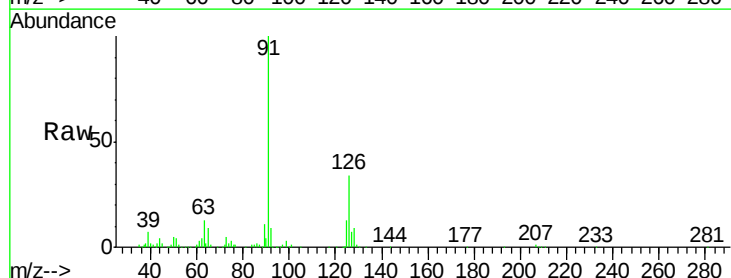
RT: 11.99 min Scan# 1162

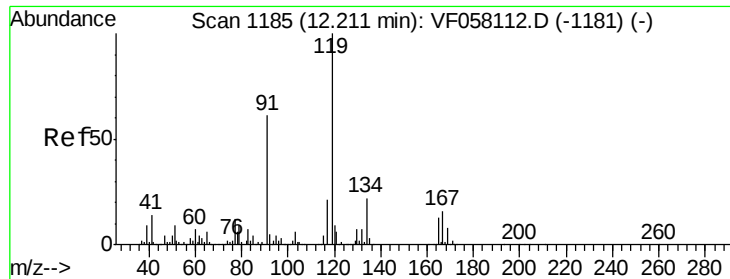
Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	91	Resp:	103493
Ion Ratio	Lower	Upper	
91	100		
126	33.8	17.4	52.2





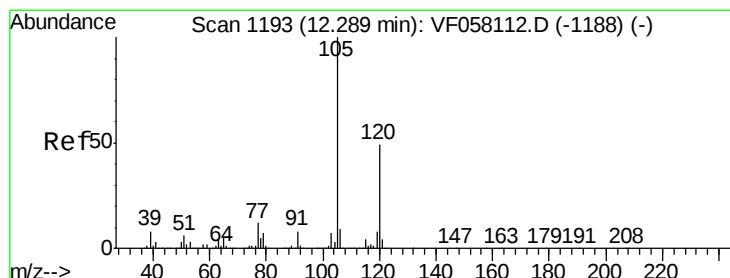
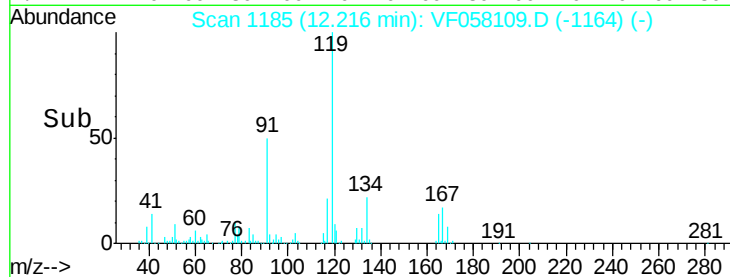
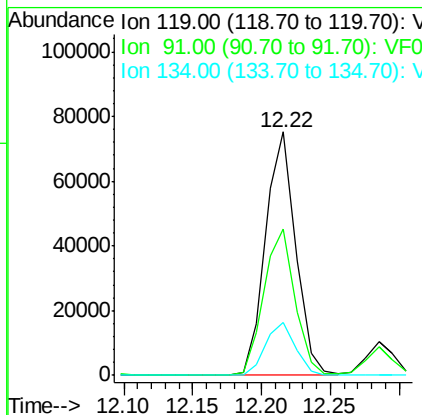
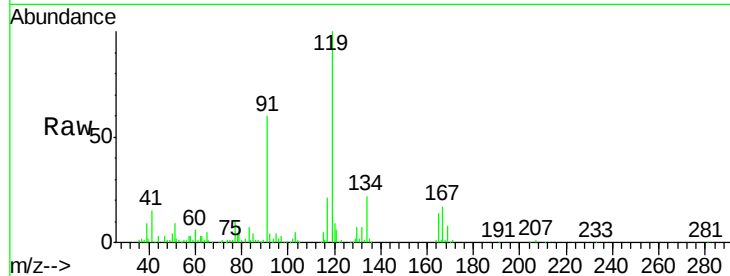
#83
 tert-Butylbenzene
 Concen: 5.558 ug/l
 RT: 12.22 min Scan# 1185
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
119	100		
91	59.9	30.4	91.3
134	21.9	11.2	33.5

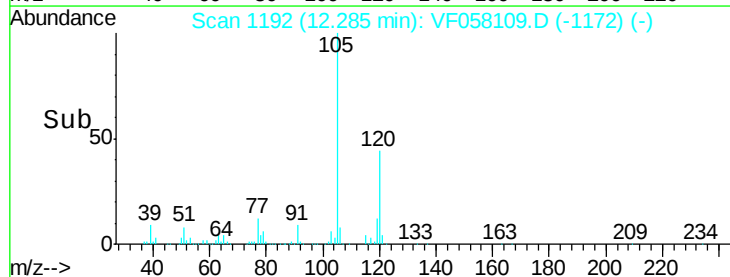
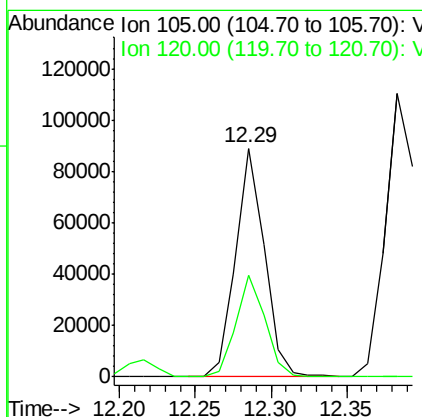
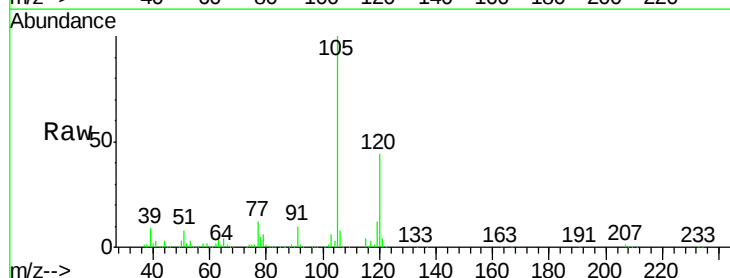
Manual Integrations
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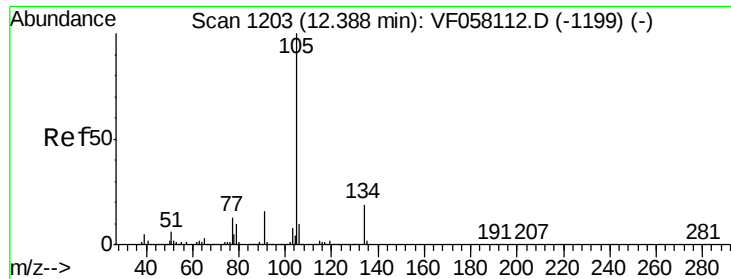
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.538 ug/l
 RT: 12.29 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.4	24.7	74.1





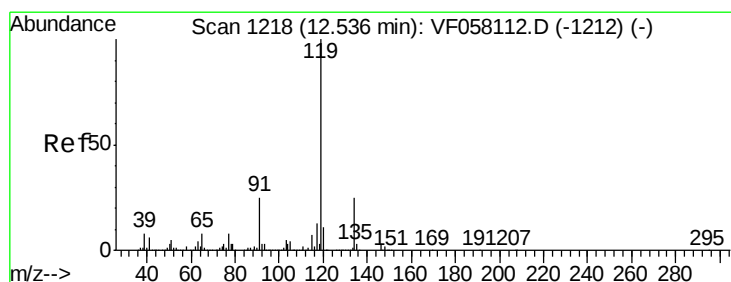
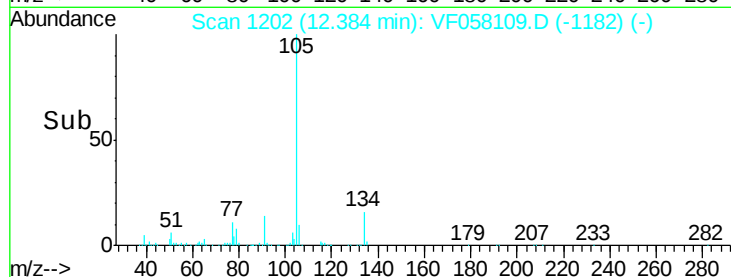
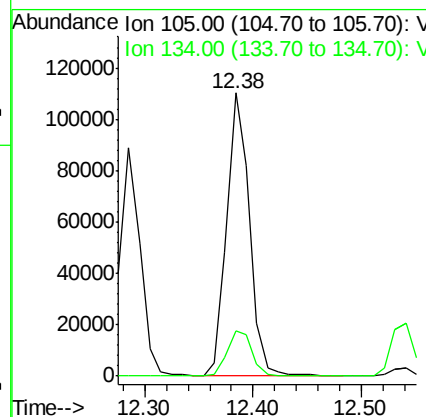
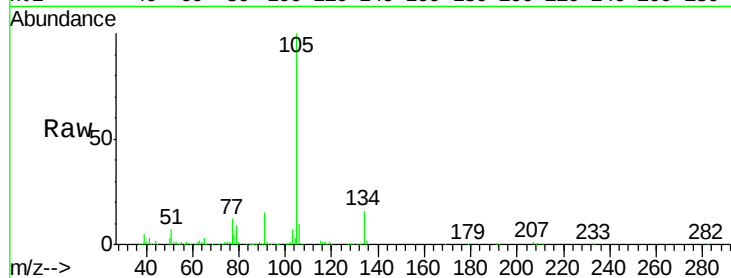
#85
 sec-Butylbenzene
 Concen: 5.726 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	160362		
134	16.1	9.6	28.6	

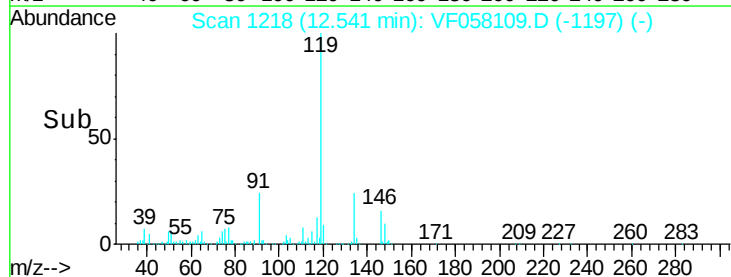
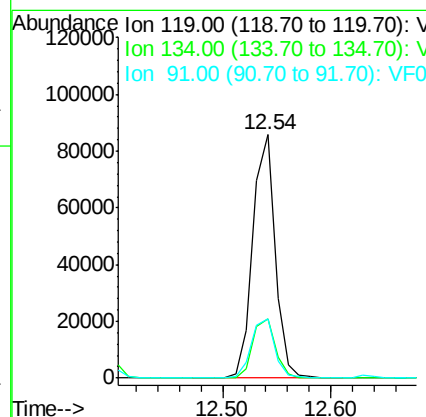
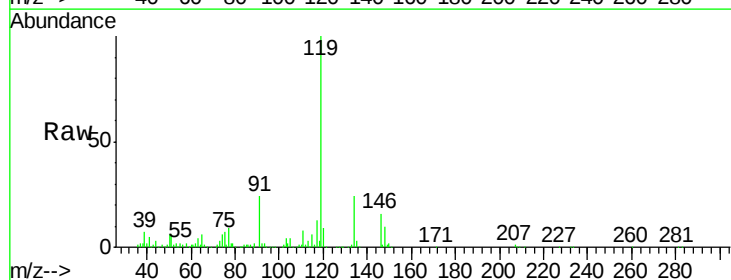
Manual Integrations
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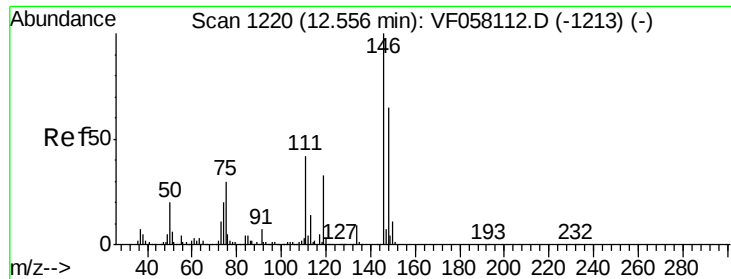
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#86
 p-Isopropyltoluene
 Concen: 5.301 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.01 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	123761		
134	24.2	12.7	38.0	
91	24.2	12.6	37.6	





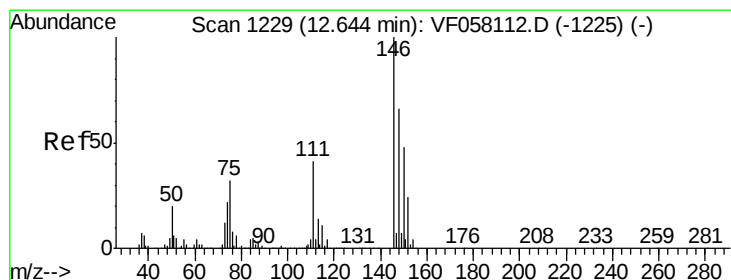
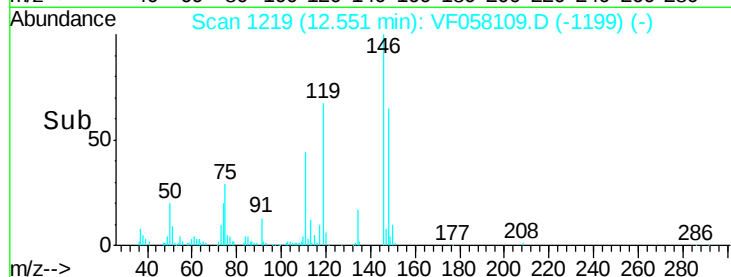
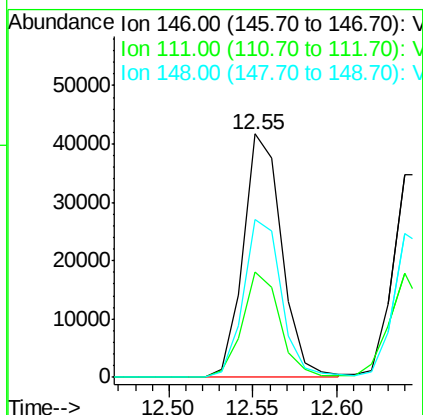
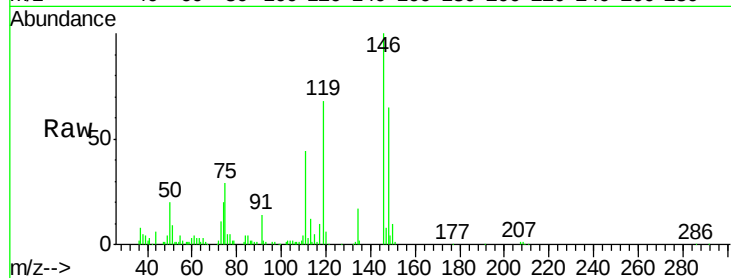
#87
 1,3-Dichlorobenzene
 Concen: 5.771 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.8	62.5
148	65.0	32.3	96.9

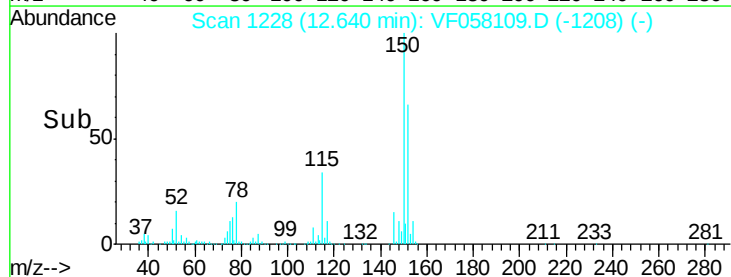
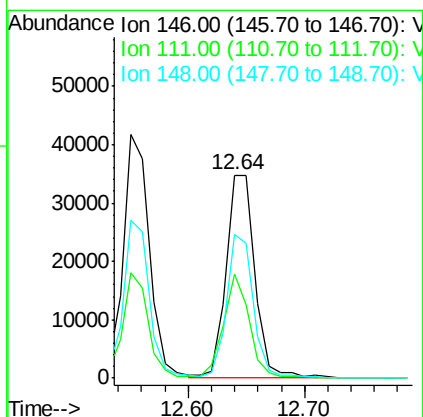
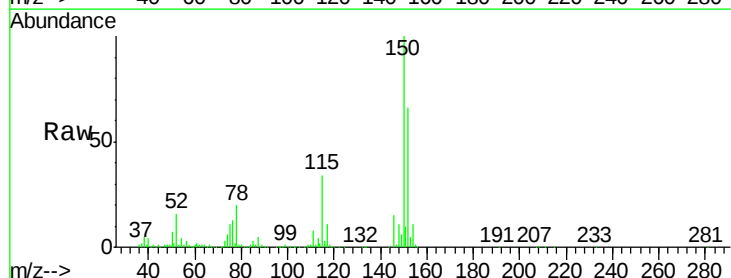
Manual Integrations
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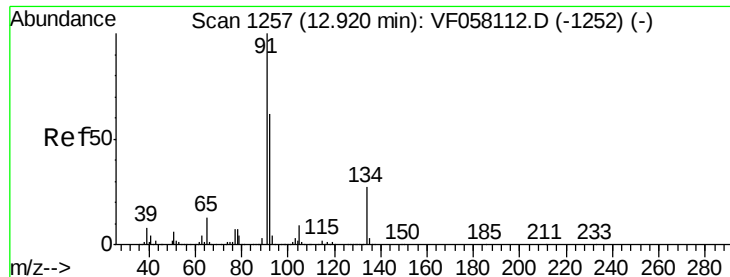
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#88
 1,4-Dichlorobenzene
 Concen: 5.441 ug/l
 RT: 12.64 min Scan# 1228
 Delta R.T. -0.00 min
 Lab File: VF058109.D
 Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.3	20.4	61.2
148	71.0	33.0	99.0





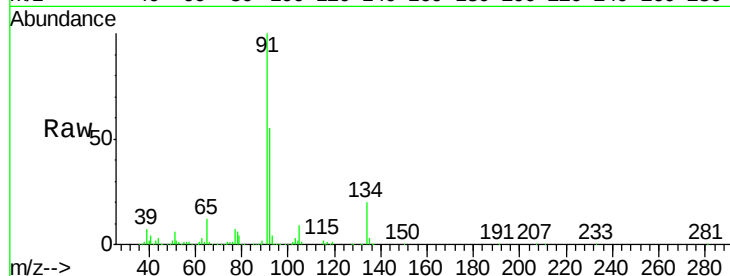
#89
n-Butylbenzene
Concen: 5.603 ug/l
RT: 12.92 min Scan# 1256
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

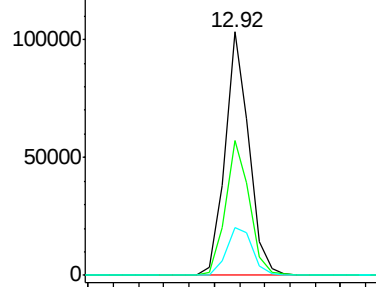
Tgt Ion	Ratio	Resp	Lower	Upper
91	100	136336		
92	55.2	31.1	93.5	
134	19.6	13.6	40.8	

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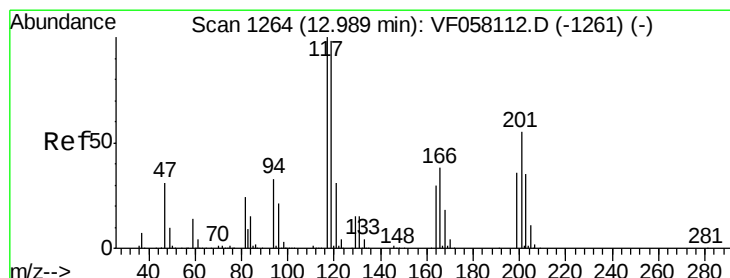
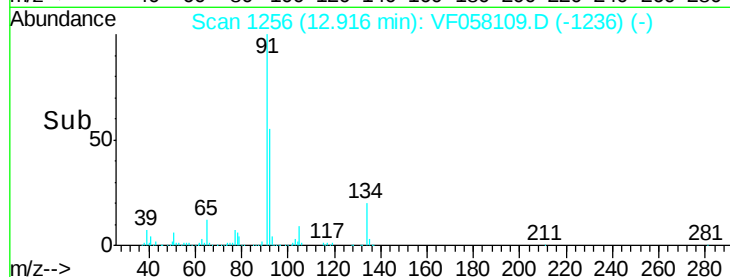
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Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 92.00 (91.70 to 92.70): VF0
Ion 134.00 (133.70 to 134.70): V

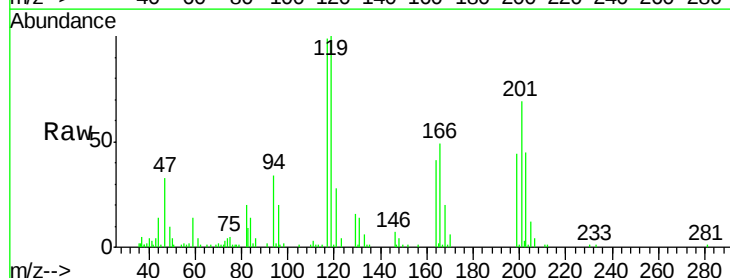


Time--> 12.80 12.90 13.00

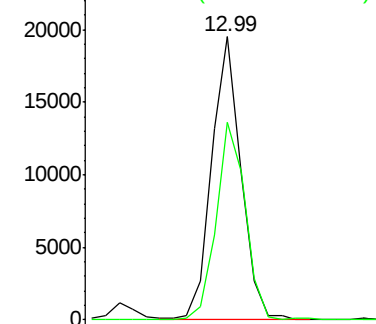


#90
Hexachloroethane
Concen: 5.153 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

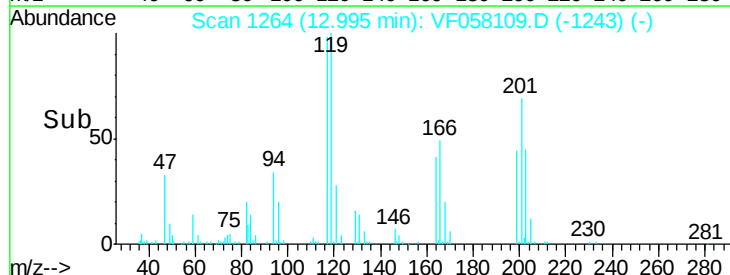
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	29014		
201	69.7	27.5	82.4	

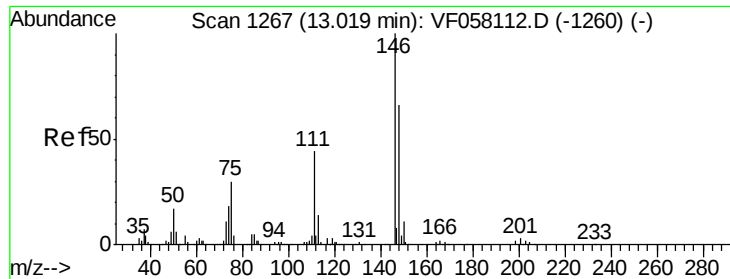


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 201.00 (200.70 to 201.70): V



Time--> 12.90 12.95 13.00 13.05





#91

1,2-Dichlorobenzene

Concen: 5.454 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Instrument :

MSVOA_F

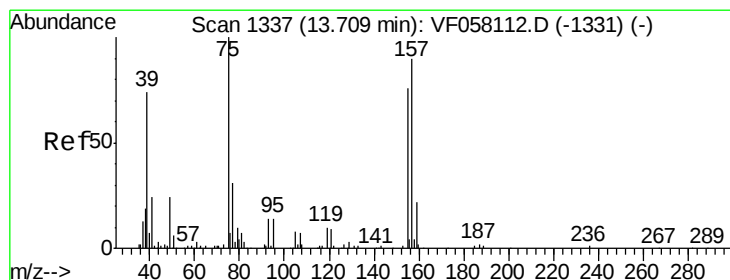
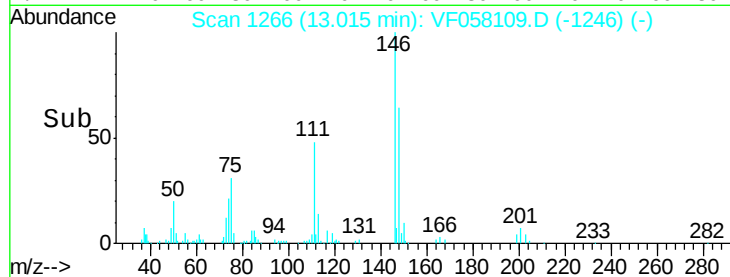
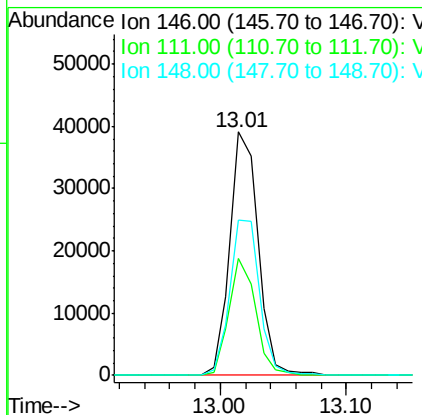
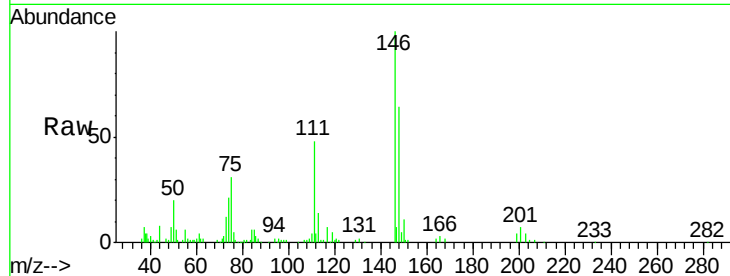
ClientSampleId :

VSTDIC005

Tgt Ion:	146	Resp:	60651
Ion Ratio	Lower	Upper	
146	100		
111	47.8	22.0	66.0
148	63.6	33.1	99.3

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.597 ug/l

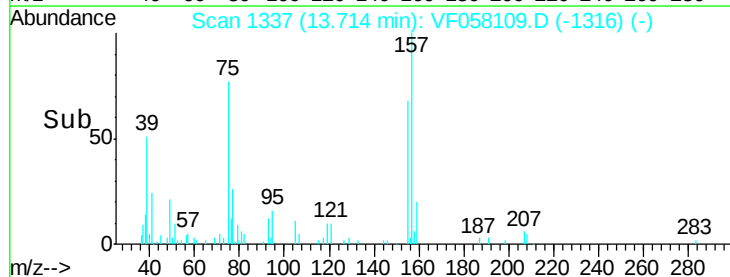
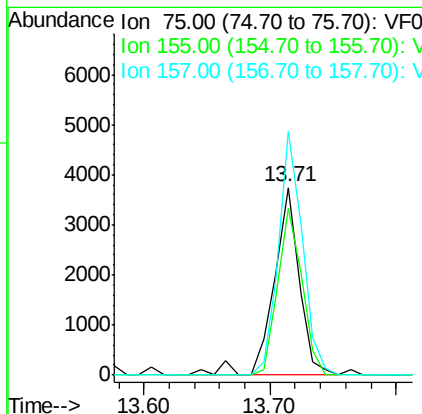
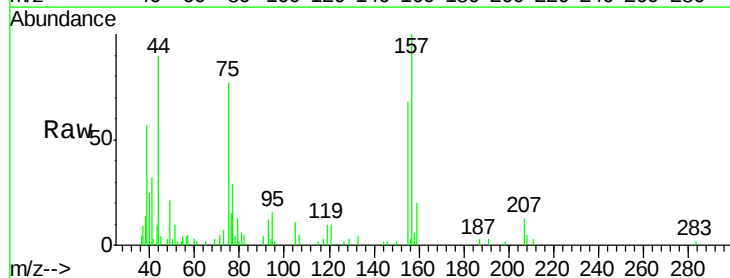
RT: 13.71 min Scan# 1337

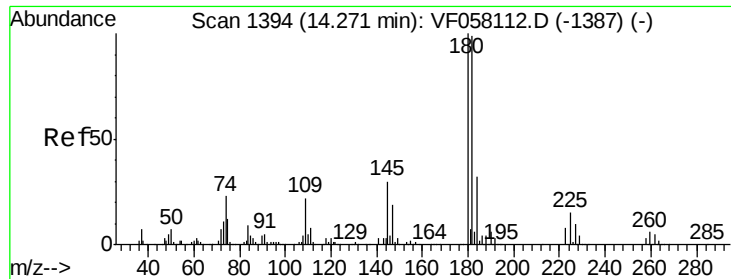
Delta R.T. 0.01 min

Lab File: VF058109.D

Acq: 6 Jun 2018 16:17

Tgt Ion:	75	Resp:	5238
Ion Ratio	Lower	Upper	
75	100		
155	88.6	38.0	114.0
157	129.6	45.1	135.5





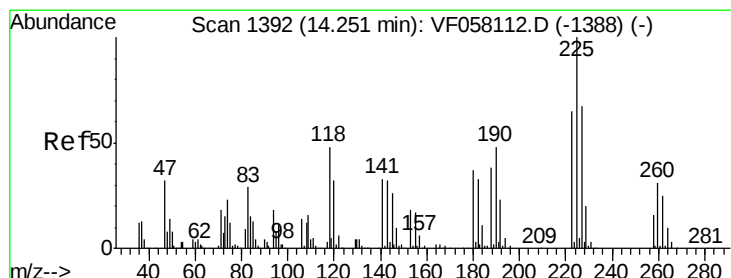
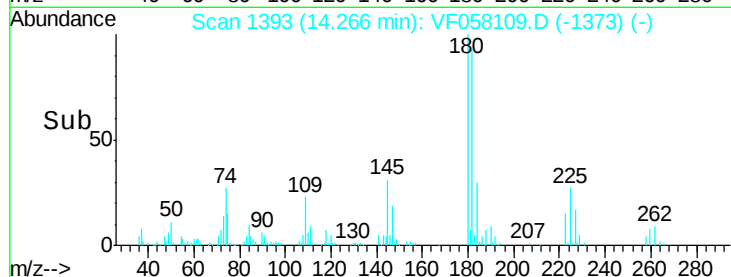
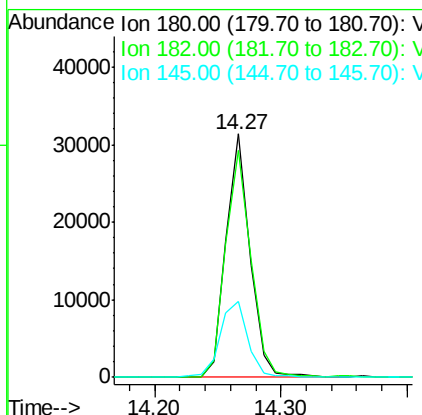
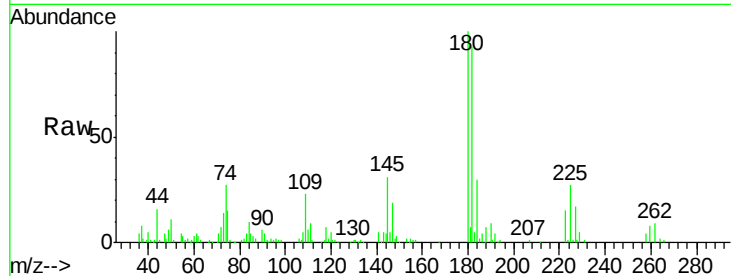
#93
1,2,4-Trichlorobenzene
Concen: 5.305 ug/l
RT: 14.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	41375		
182	93.1	49.3	147.9	
145	31.2	14.9	44.9	

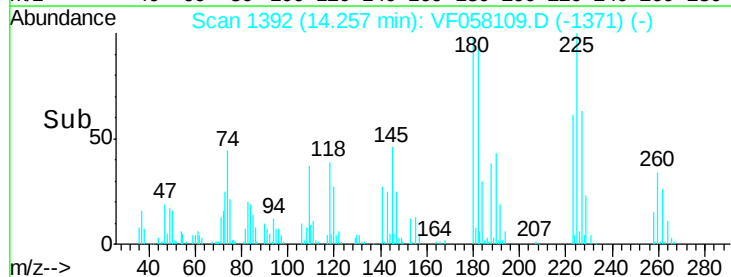
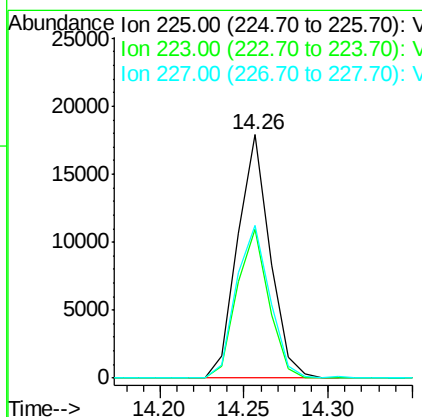
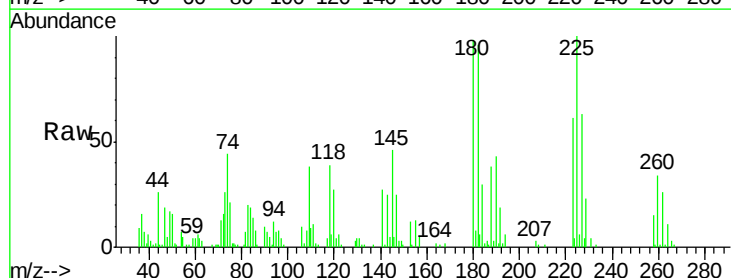
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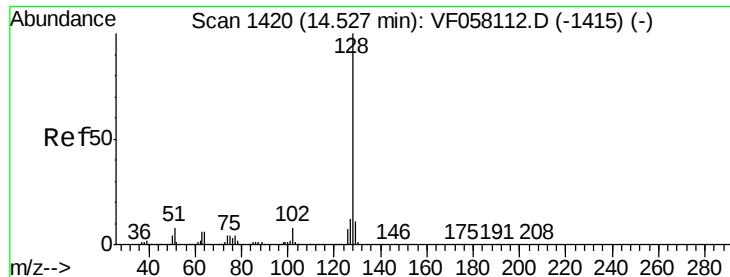
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#94
Hexachlorobutadiene
Concen: 5.299 ug/l
RT: 14.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	23859		
223	60.9	32.8	98.3	
227	62.8	33.3	99.9	





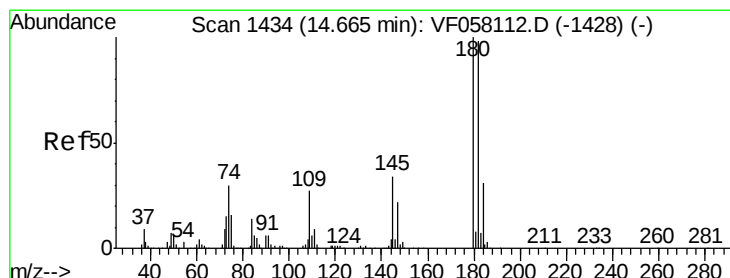
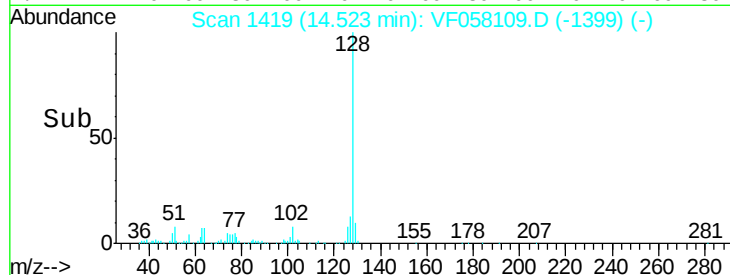
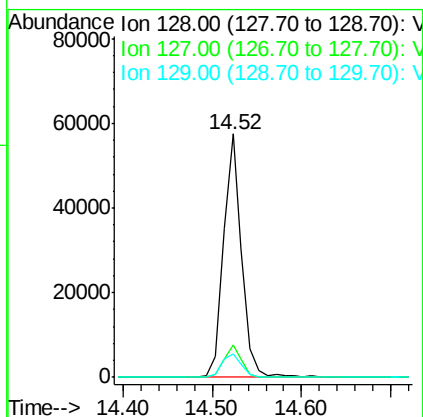
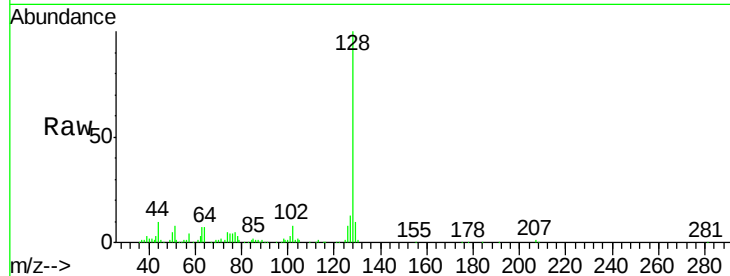
#95
Naphthalene
Concen: 4.970 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. -0.00 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	82743		
127	13.1	9.9	14.9	
129	9.5	8.7	13.1	

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#96
1,2,3-Trichlorobenzene
Concen: 4.924 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VF058109.D
Acq: 6 Jun 2018 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	36180		
182	103.2	48.9	146.6	
145	33.7	17.3	51.7	

