

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059952.D
 Acq On : 14 Aug 2018 18:41
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 8/16/2018 12:14:55 PM

Quant Time: Aug 15 09:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081418S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 15 08:56:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	128817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	166573	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.94	117	163153	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	109233	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	11176	4.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.60%	
35) Dibromofluoromethane	4.31	113	9068	5.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.02%	
50) Toluene-d8	7.73	98	18087	5.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.24%	
62) 4-Bromofluorobenzene	11.53	95	9930	5.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.99	85	9430	4.39	ug/l	98
3) Chloromethane	1.09	50	4079	4.10	ug/l	97
4) Vinyl Chloride	1.17	62	4179	4.05	ug/l	89
5) Bromomethane	1.34	94	4415	4.56	ug/l #	64
6) Chloroethane	1.43	64	2771	4.28	ug/l	93
7) Trichlorofluoromethane	1.53	101	13663m	4.79	ug/l	
8) Diethyl Ether	1.71	74	1741	3.91	ug/l	72
9) 1,1,2-Trichlorotrifluoroet	1.91	101	6713	4.32	ug/l	89
10) Methyl Iodide	1.97	142	10722m	4.51	ug/l	
11) Tert butyl alcohol	2.69	59	2130	22.43	ug/l	93
12) 1,1-Dichloroethene	1.87	96	4936	4.34	ug/l	79
13) Acrolein	2.10	56	1305	23.12	ug/l #	43
14) Allyl chloride	2.20	41	9276	5.08	ug/l	99
15) Acrylonitrile	3.09	53	3229	19.46	ug/l #	62
16) Acetone	2.34	43	13016	30.22	ug/l #	92
17) Carbon Disulfide	1.89	76	13424	4.49	ug/l	95
18) Methyl Acetate	2.46	43	3687	5.20	ug/l	94
19) Methyl tert-butyl Ether	2.56	73	14333	4.45	ug/l #	88
20) Methylene Chloride	2.35	84	7910m	7.37	ug/l	
21) trans-1,2-Dichloroethene	2.43	96	5342	4.75	ug/l	84
22) Diisopropyl ether	2.94	45	16544	4.54	ug/l	91
23) Vinyl Acetate	3.34	43	36891	20.78	ug/l #	95
24) 1,1-Dichloroethane	3.02	63	12500	4.72	ug/l #	94
25) 2-Butanone	4.52	43	10920	23.63	ug/l #	75
26) 2,2-Dichloropropane	3.78	77	7968	5.07	ug/l	94
27) cis-1,2-Dichloroethene	3.65	96	5516	4.40	ug/l	93
28) Bromochloromethane	3.91	49	5011	5.28	ug/l	92
29) Tetrahydrofuran	4.28	42	3685	21.66	ug/l	97
30) Chloroform	4.05	83	15385	4.29	ug/l	95
31) Cyclohexane	3.89	56	5473	4.19	ug/l #	86
32) 1,1,1-Trichloroethane	4.28	97	13737	4.78	ug/l #	75
36) 1,1-Dichloropropene	4.48	75	9690	5.12	ug/l	91
37) Ethyl Acetate	4.30	43	3620	4.46	ug/l #	33
38) Carbon Tetrachloride	4.19	117	16591	5.88	ug/l #	84

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	6510	4.62	ug/l	90
40) Benzene	4.82	78	16521	2.59	ug/l #	78
41) Methacrylonitrile	4.93	41	2007	4.73	ug/l #	79
42) 1,2-Dichloroethane	5.14	62	12983	4.92	ug/l	97
43) Isopropyl Acetate	7.13	43	4017	4.70	ug/l	98
44) Trichloroethene	5.69	130	6271	4.99	ug/l	83
45) 1,2-Dichloropropane	6.42	63	4296	4.94	ug/l	97
46) Dibromomethane	6.27	93	4287	4.87	ug/l #	76
47) Bromodichloromethane	6.57	83	11594	4.80	ug/l	99
48) Methyl methacrylate	6.89	41	2815	4.27	ug/l	94
49) 1,4-Dioxane	6.87	88	395m	119.25	ug/l	
51) 4-Methyl-2-Pentanone	8.42	43	20074	23.13	ug/l	100
52) Toluene	7.79	92	11510	4.79	ug/l	95
53) t-1,3-Dichloropropene	8.44	75	9354	5.01	ug/l	91
54) cis-1,3-Dichloropropene	7.47	75	8121	4.25	ug/l #	85
55) 1,1,2-Trichloroethane	8.66	97	3701	4.28	ug/l #	78
56) Ethyl methacrylate	8.79	69	3527	7.11	ug/l	90
57) 1,3-Dichloropropane	9.02	76	6730	4.49	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.79	63	2678	23.44	ug/l	100
59) 2-Hexanone	9.64	43	14371	23.30	ug/l	98
60) Dibromochloromethane	8.87	129	7371	4.53	ug/l	86
61) 1,2-Dibromoethane	9.15	107	4284	4.07	ug/l	96
64) Tetrachloroethene	8.32	164	7496	5.50	ug/l #	82
65) Chlorobenzene	9.96	112	17444	5.34	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	10.09	131	7580	4.69	ug/l	82
67) Ethyl Benzene	10.06	91	28600	5.06	ug/l	93
68) m/p-Xylenes	10.28	106	20068	10.26	ug/l	93
69) o-Xylene	10.85	106	9813	4.78	ug/l	92
70) Styrene	10.91	104	14167	4.57	ug/l	93
71) Bromoform	10.89	173	4993	5.01	ug/l	88
73) Isopropylbenzene	11.24	105	32251	4.77	ug/l	99
74) N-amyl acetate	11.48	43	6391	6.56	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.80	83	6204	4.92	ug/l	99
76) 1,2,3-Trichloropropane	11.90	75	4778	4.39	ug/l	91
77) Bromobenzene	11.60	156	8887	4.82	ug/l	93
78) n-propylbenzene	11.70	91	40795	5.10	ug/l	89
79) 2-Chlorotoluene	11.82	91	26029	5.17	ug/l	96
80) 1,3,5-Trimethylbenzene	11.92	105	31832	5.07	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.97	75	2066m	4.78	ug/l	
82) 4-Chlorotoluene	12.00	91	30195	5.46	ug/l	91
83) tert-Butylbenzene	12.23	119	30507	4.96	ug/l	91
84) 1,2,4-Trimethylbenzene	12.29	105	30695	4.72	ug/l	92
85) sec-Butylbenzene	12.40	105	39961	4.90	ug/l	100
86) p-Isopropyltoluene	12.55	119	33464	4.90	ug/l	94
87) 1,3-Dichlorobenzene	12.57	146	18369	5.26	ug/l	97
88) 1,4-Dichlorobenzene	12.66	146	17286	5.03	ug/l	96
89) n-Butylbenzene	12.93	91	32551	4.94	ug/l	95
90) Hexachloroethane	13.00	117	9109	4.89	ug/l	80
91) 1,2-Dichlorobenzene	13.03	146	17954	5.37	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	13.72	75	1287	4.05	ug/l	84

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ClientSampleId :
VSTDICC005

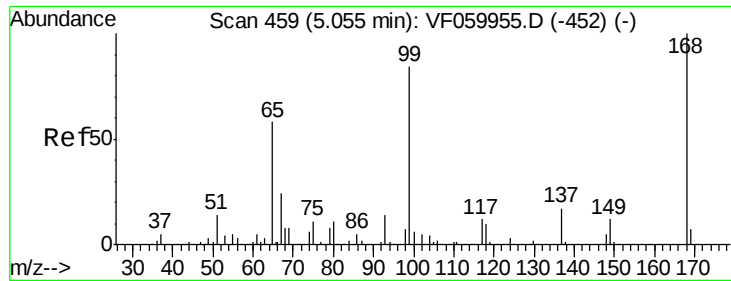
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	13771	5.35	ug/l	88
94) Hexachlorobutadiene	14.27	225	9991	5.48	ug/l	96
95) Naphthalene	14.53	128	20597	4.68	ug/l	98
96) 1,2,3-Trichlorobenzene	14.68	180	12488	4.96	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.06 min Scan# 459

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 128817

Ion Ratio Lower Upper

168 100

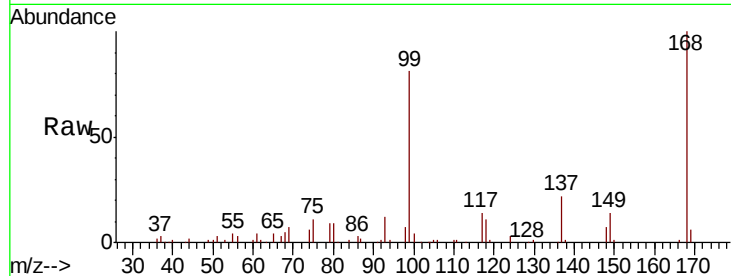
99 80.9 67.4 101.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

40000

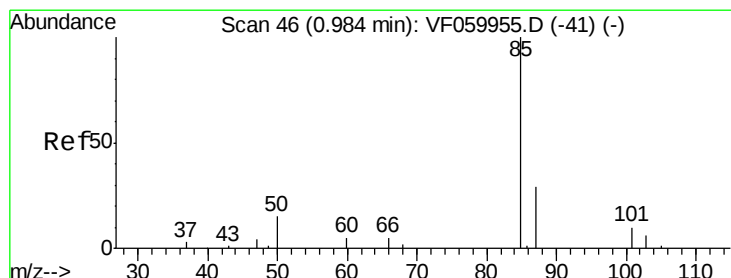
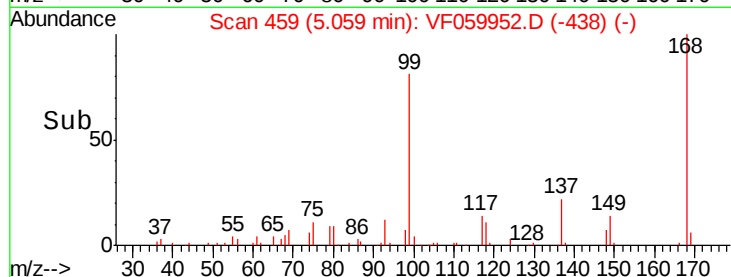
30000

20000

10000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 4.39 ug/l

RT: 0.99 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059952.D

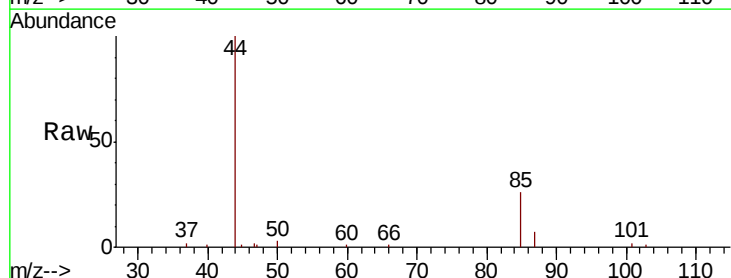
Acq: 14 Aug 2018 18:41

Tgt Ion: 85 Resp: 9430

Ion Ratio Lower Upper

85 100

87 27.9 14.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.99

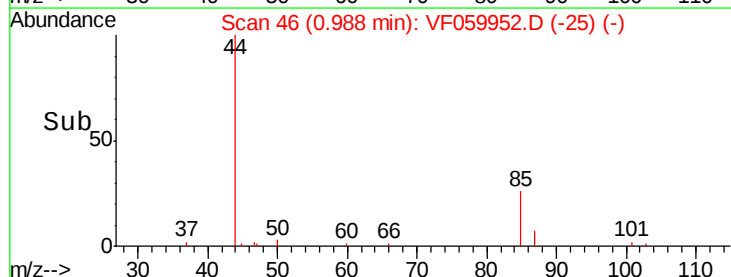
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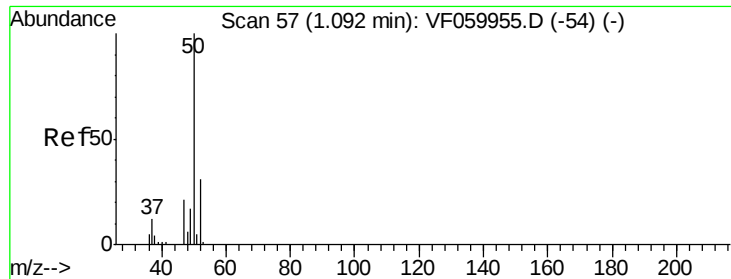
2000

1000

0

Time-->





#3

Chloromethane

Concen: 4.10 ug/l

RT: 1.09 min Scan# 56

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 4079

Ion Ratio Lower Upper

50 100

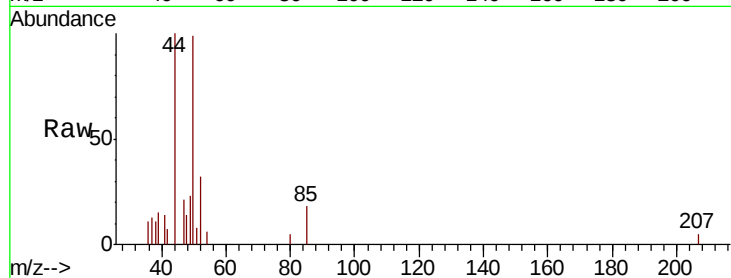
52 31.7 24.2 36.2

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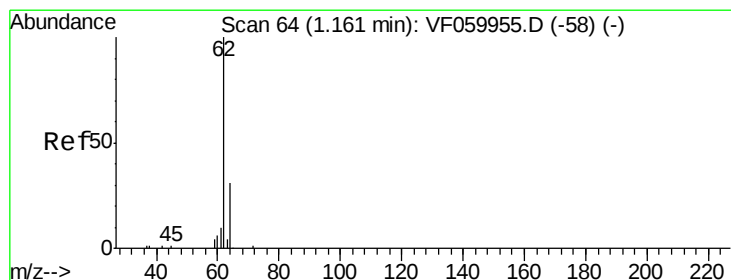
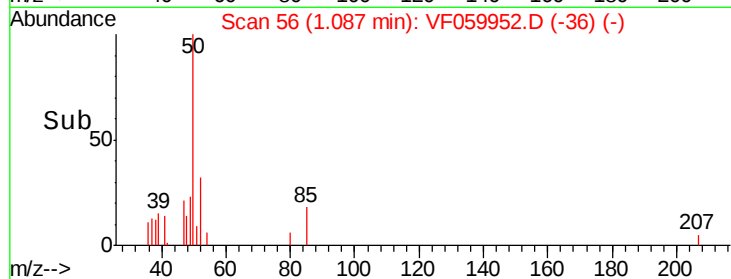
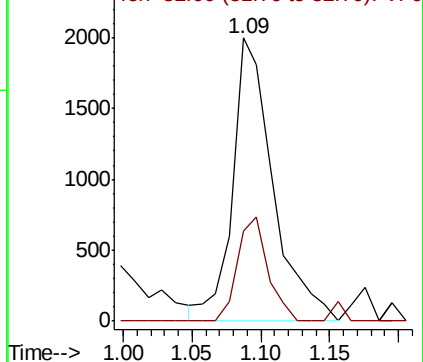
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 4.05 ug/l

RT: 1.17 min Scan# 64

Delta R.T. 0.00 min

Lab File: VF059952.D

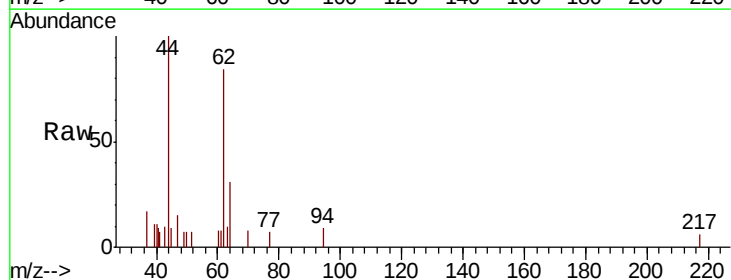
Acq: 14 Aug 2018 18:41

Tgt Ion: 62 Resp: 4179

Ion Ratio Lower Upper

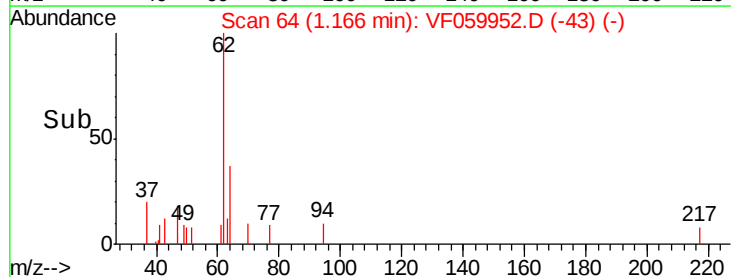
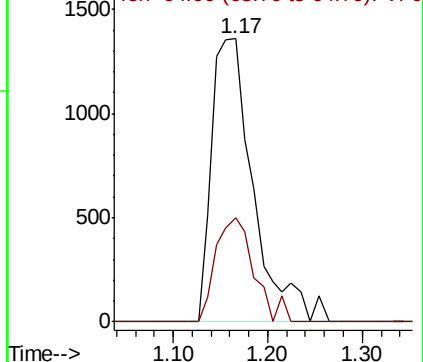
62 100

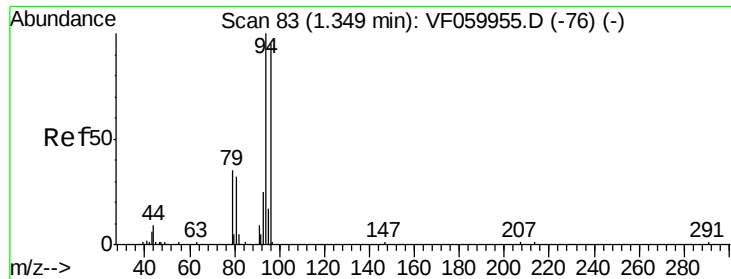
64 37.0 24.7 37.1



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 4.56 ug/l

RT: 1.34 min Scan# 82

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 4415

Ion Ratio Lower Upper

94 100

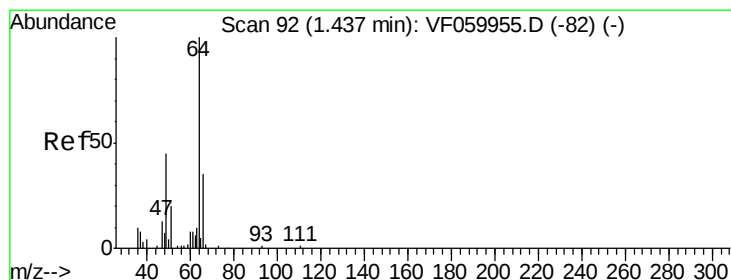
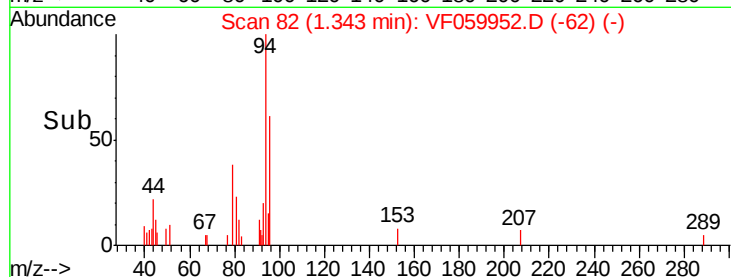
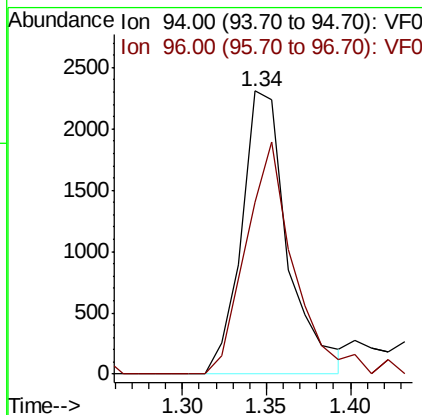
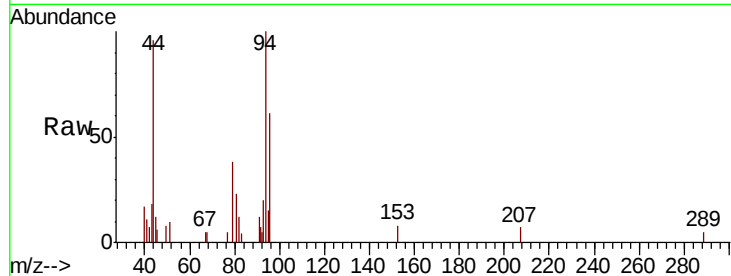
96 60.7 76.3 114.5#

Manual Integrations

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#6

Chloroethane

Concen: 4.28 ug/l

RT: 1.43 min Scan# 91

Delta R.T. -0.01 min

Lab File: VF059952.D

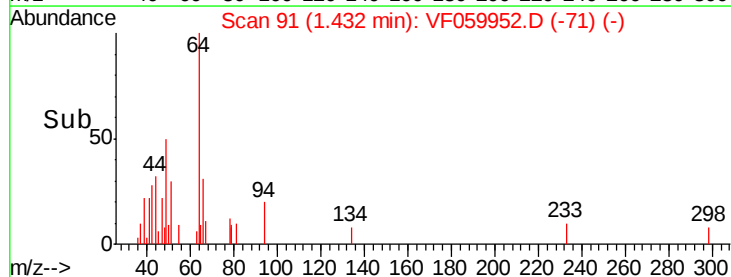
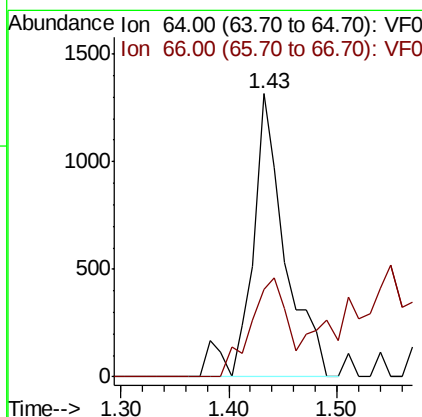
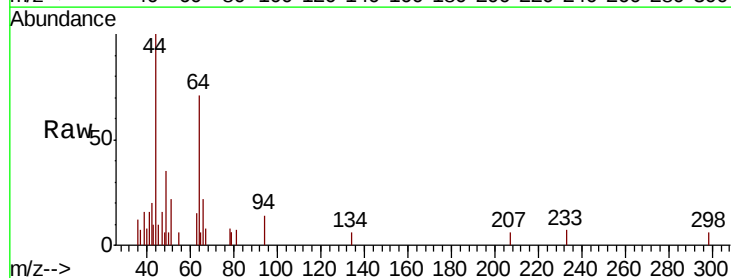
Acq: 14 Aug 2018 18:41

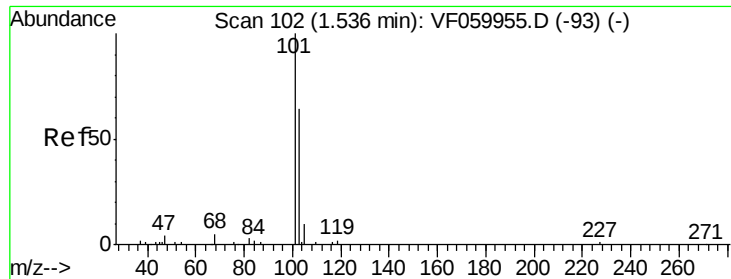
Tgt Ion: 64 Resp: 2771

Ion Ratio Lower Upper

64 100

66 31.2 28.2 42.2





#7

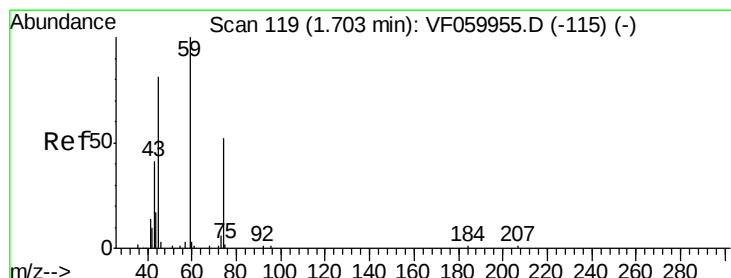
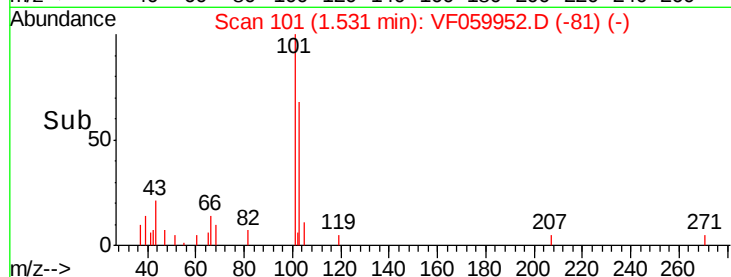
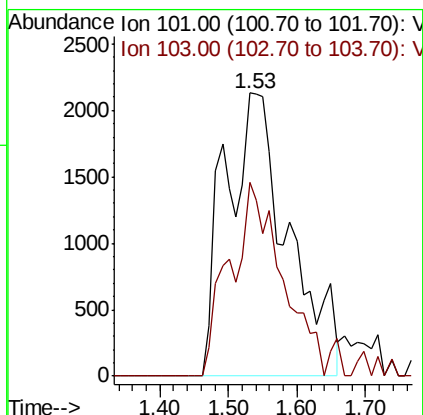
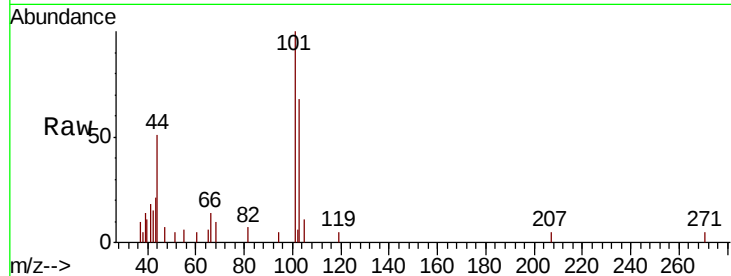
Trichlorofluoromethane
Concen: 4.79 ug/l m
RT: 1.53 min Scan# 101
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:101 Resp: 13663
Ion Ratio Lower Upper
101 100
103 68.4 51.6 77.4

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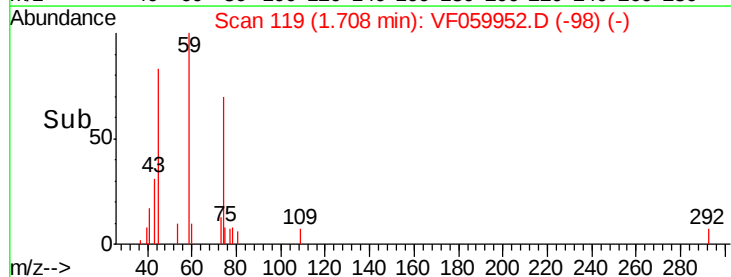
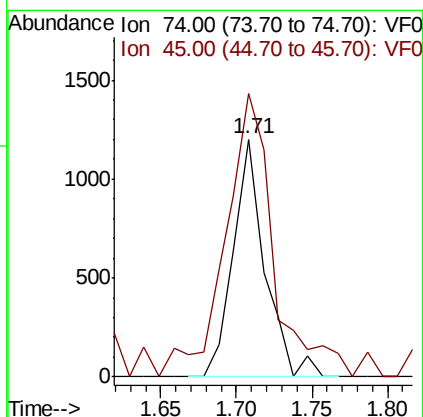
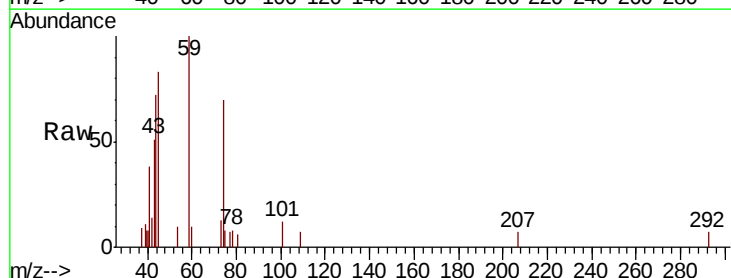
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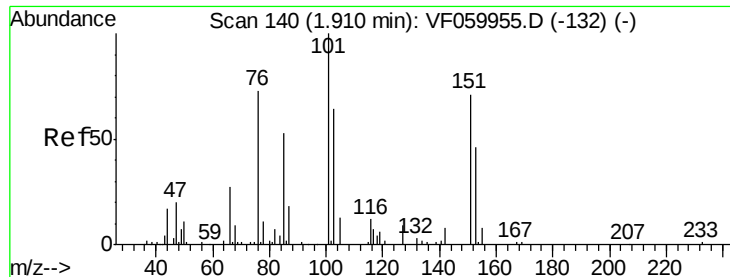


#8

Diethyl Ether
Concen: 3.91 ug/l
RT: 1.71 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 74 Resp: 1741
Ion Ratio Lower Upper
74 100
45 119.2 77.5 232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.32 ug/l

RT: 1.91 min Scan# 139

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

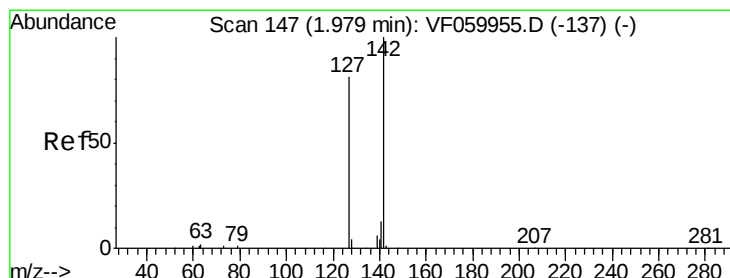
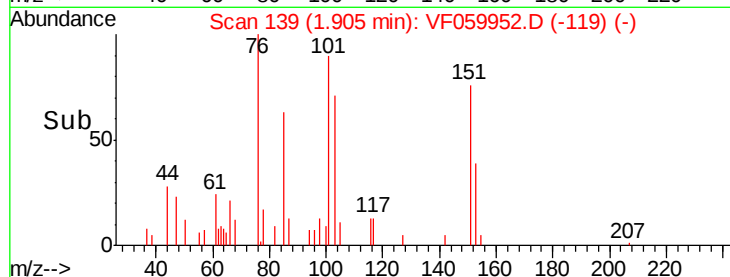
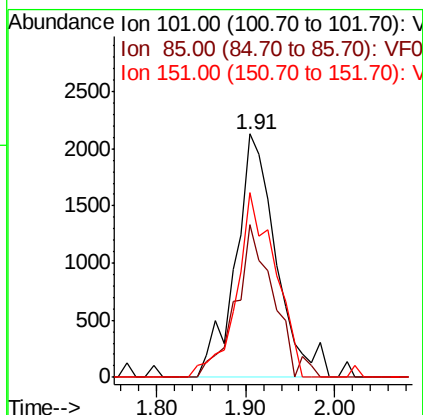
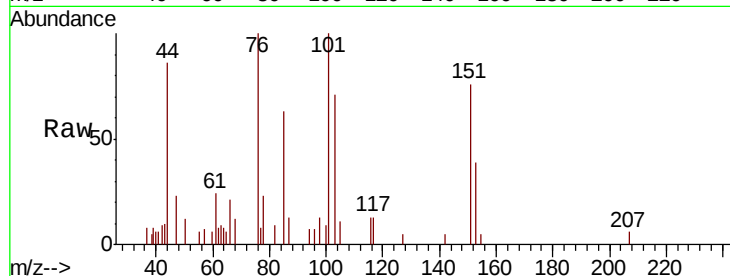
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	6713
Ion Ratio	Lower	Upper	
101	100		
85	62.9	42.1	63.1
151	76.1	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 4.51 ug/l m

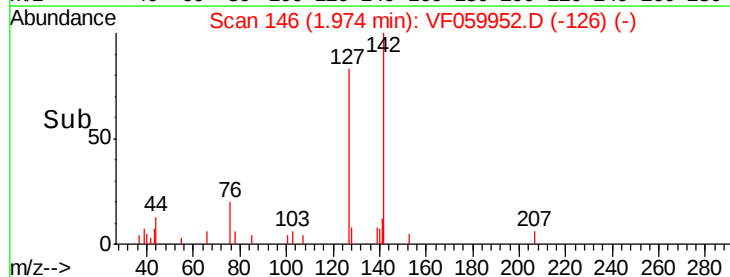
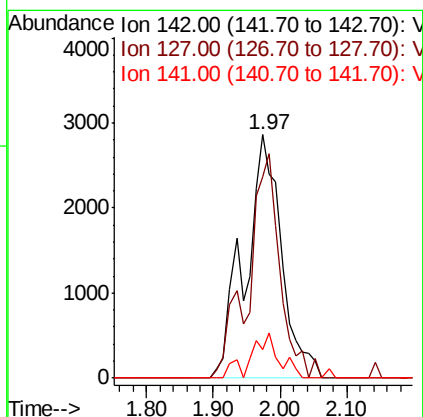
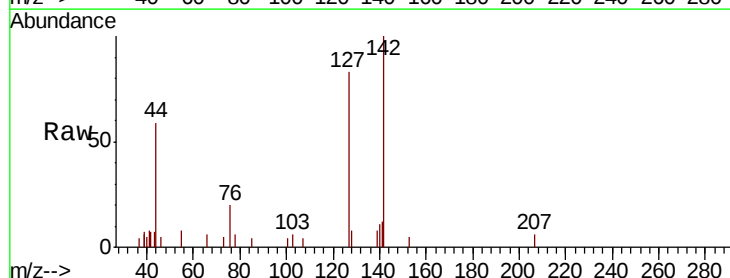
RT: 1.97 min Scan# 146

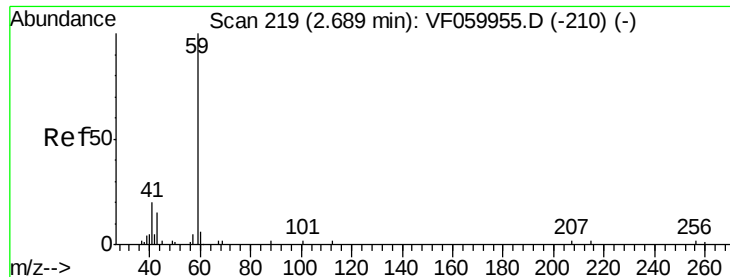
Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	142	Resp:	10722
Ion Ratio	Lower	Upper	
142	100		
127	82.5	64.5	96.7
141	11.8	10.8	16.2





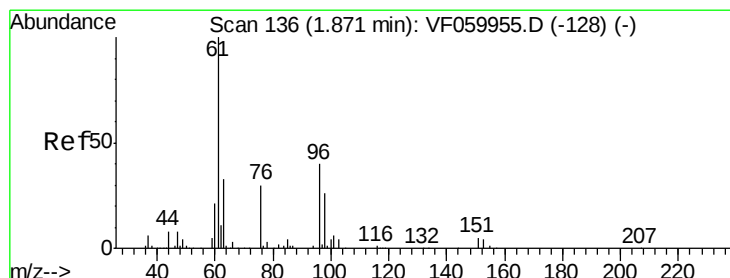
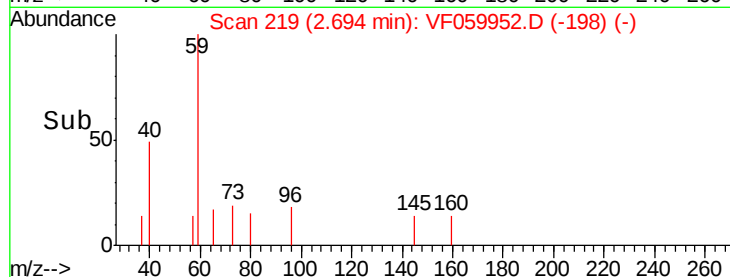
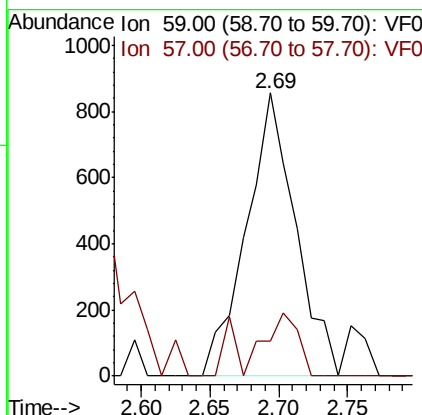
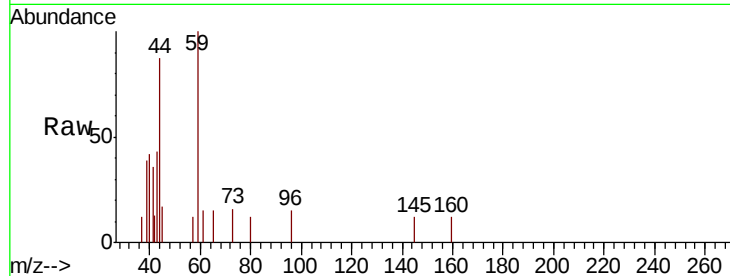
#11
Tert butyl alcohol
Concen: 22.43 ug/l
RT: 2.69 min Scan# 219
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.3	12.0	18.0

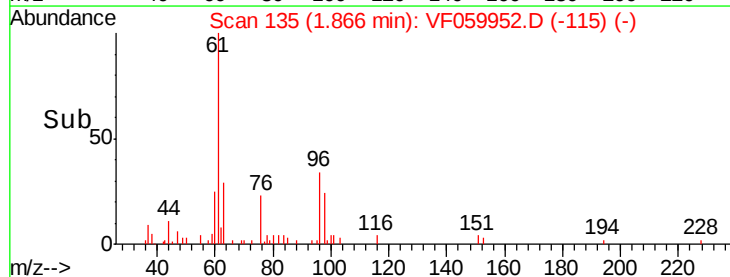
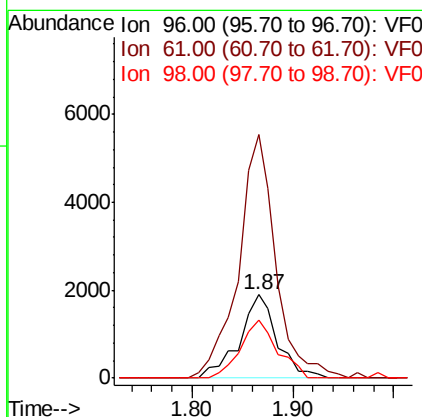
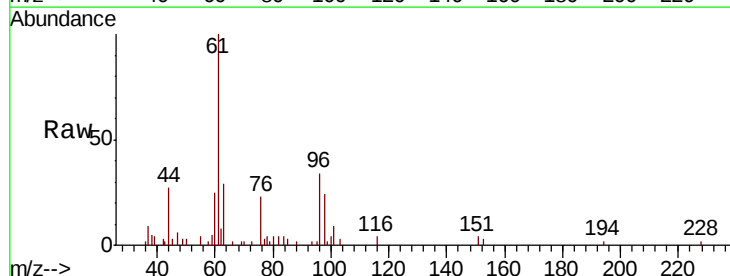
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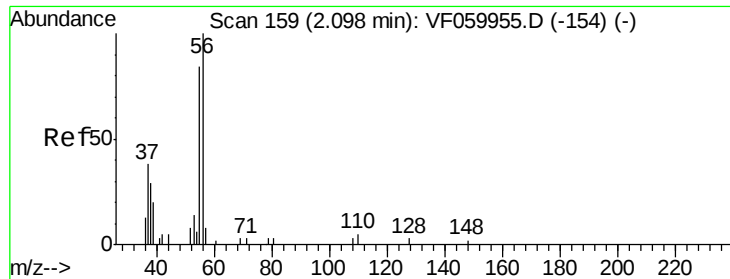
apatel
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#12
1,1-Dichloroethene
Concen: 4.34 ug/l
RT: 1.87 min Scan# 135
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	291.5	201.0	301.4
98	74.7	51.9	77.9





#13

Acrolein

Concen: 23.12 ug/l

RT: 2.10 min Scan# 159

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1305

Ion Ratio Lower Upper

56 100

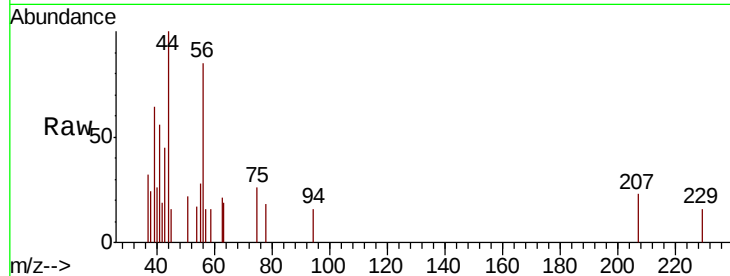
55 32.4 67.4 101.2#

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.10

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2.10

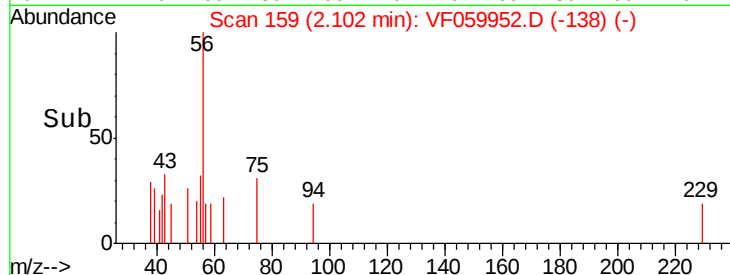
2.10

2.10

2.10

2.10

2.10



#14

Allyl chloride

Concen: 5.08 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

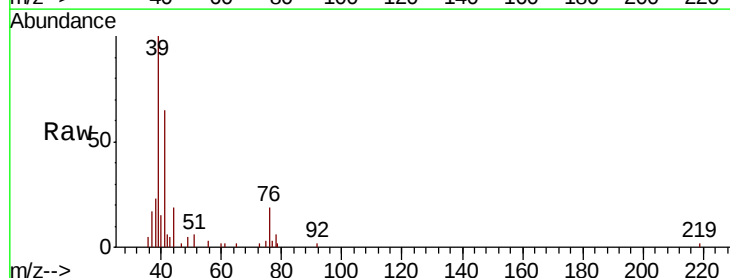
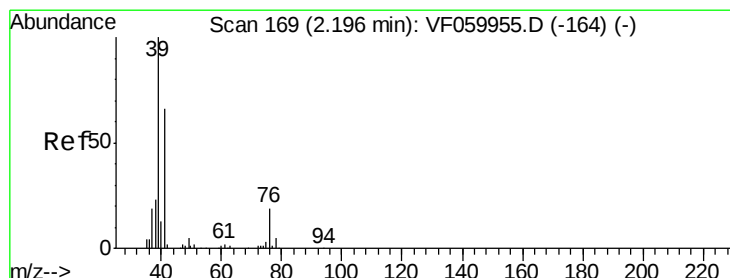
Tgt Ion: 41 Resp: 9276

Ion Ratio Lower Upper

41 100

39 153.1 121.0 181.4

76 29.5 23.6 35.4



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

2.20

2.20

2.20

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2.20

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2.20

2.20

2.20

2.20

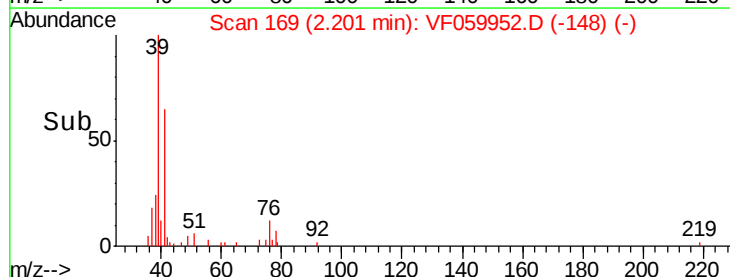
2.20

2.20

2.20

2.20

2.20



#15

Allyl chloride

Concen: 5.08 ug/l

RT: 2.20 min Scan# 169

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

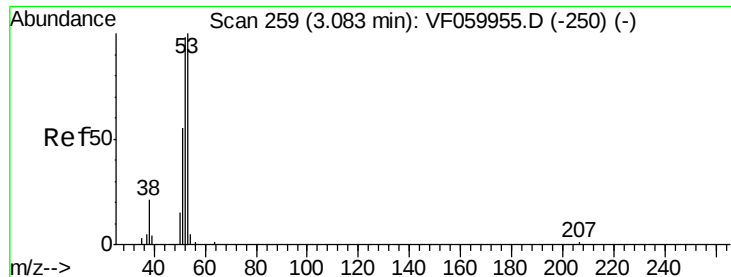
Tgt Ion: 41 Resp: 9276

Ion Ratio Lower Upper

41 100

39 153.1 121.0 181.4

76 29.5 23.6 35.4



#15

Acrylonitrile

Concen: 19.46 ug/l

RT: 3.09 min Scan# 259

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

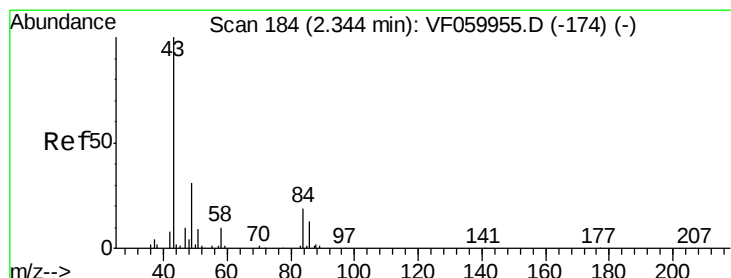
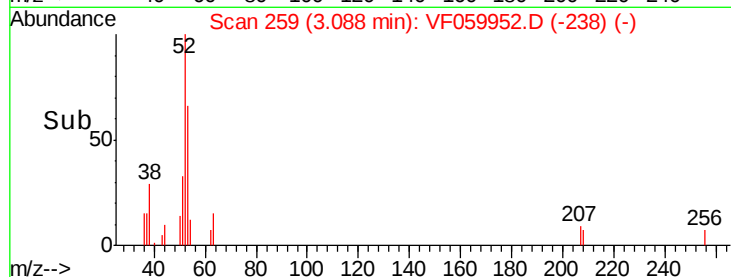
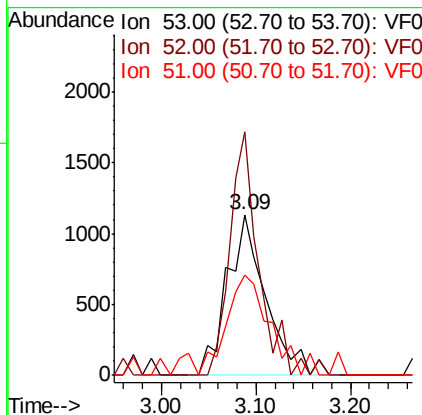
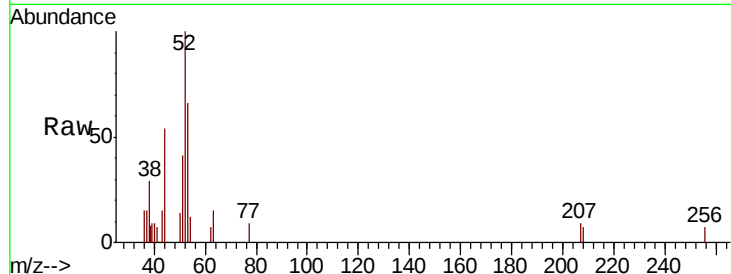
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	3229
Ion	Ratio	Lower	Upper
53	100		
52	151.4	78.1	117.1#
51	62.6	44.2	66.4

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#16

Acetone

Concen: 30.22 ug/l

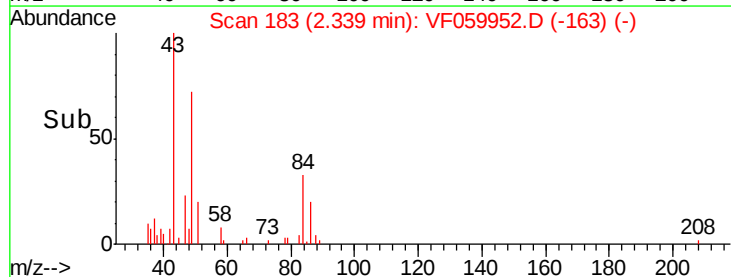
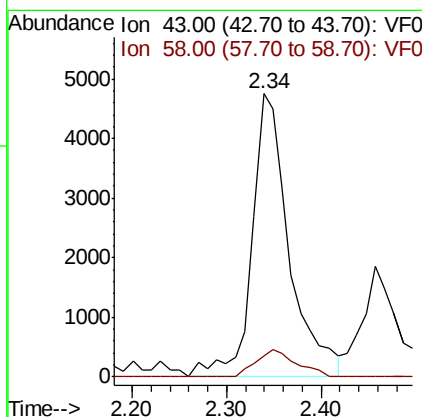
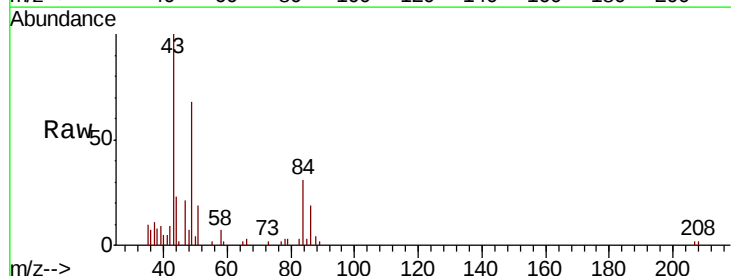
RT: 2.34 min Scan# 183

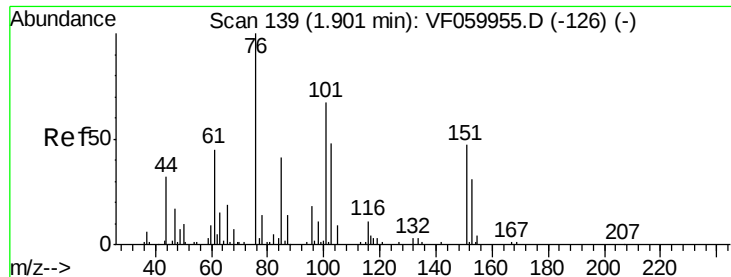
Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	43	Resp:	13016
Ion	Ratio	Lower	Upper
43	100		
58	7.3	8.1	12.1#





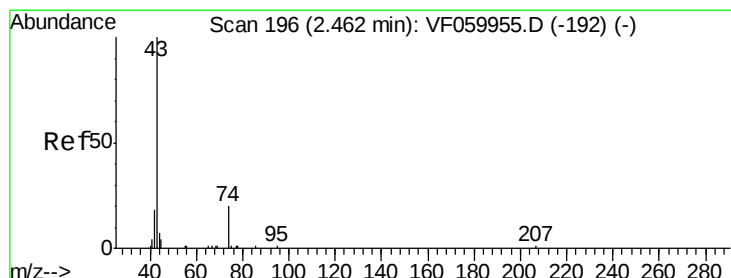
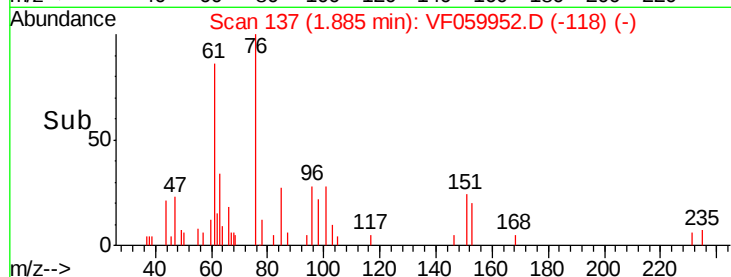
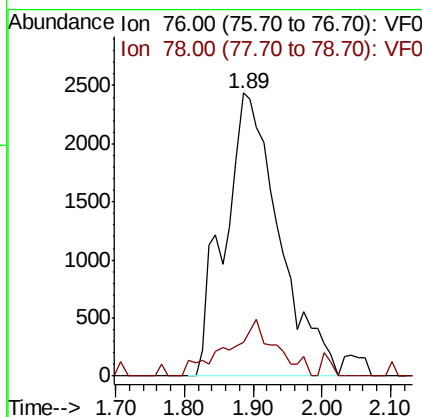
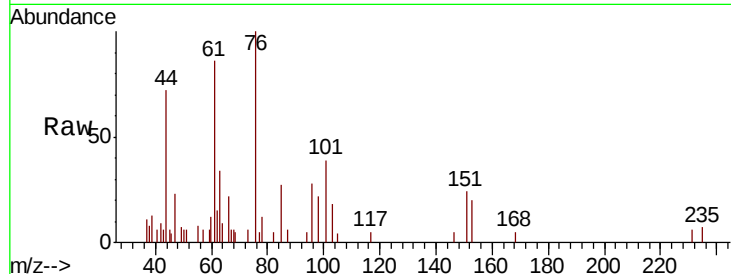
#17
Carbon Disulfide
Concen: 4.49 ug/l
RT: 1.89 min Scan# 137
Delta R.T. -0.02 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 13424
Ion Ratio Lower Upper
76 100
78 12.2 11.4 17.0

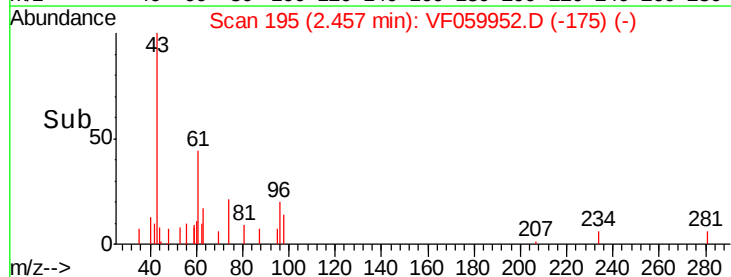
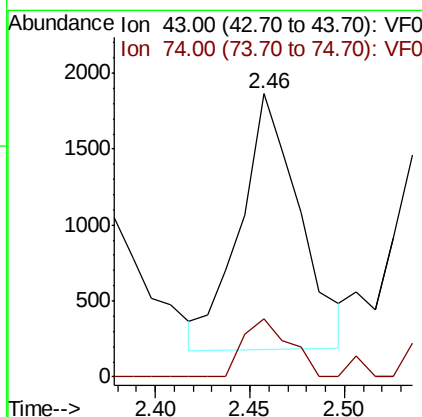
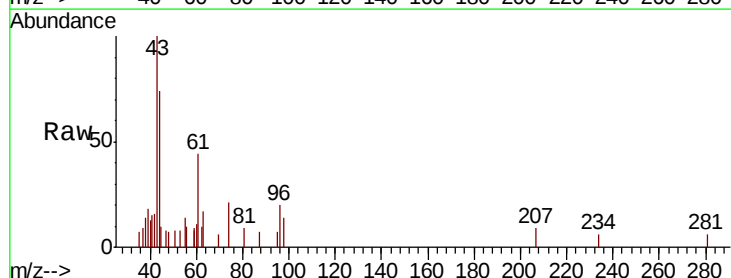
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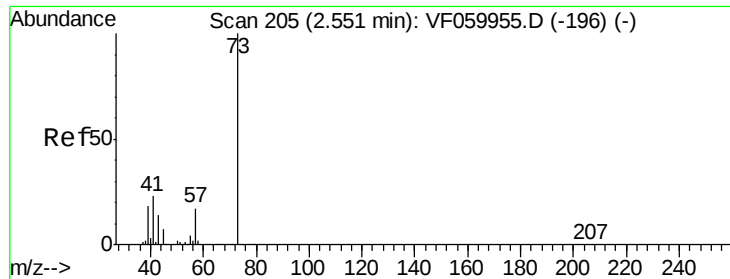
apatel
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#18
Methyl Acetate
Concen: 5.20 ug/l
RT: 2.46 min Scan# 195
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 43 Resp: 3687
Ion Ratio Lower Upper
43 100
74 20.5 14.3 21.5





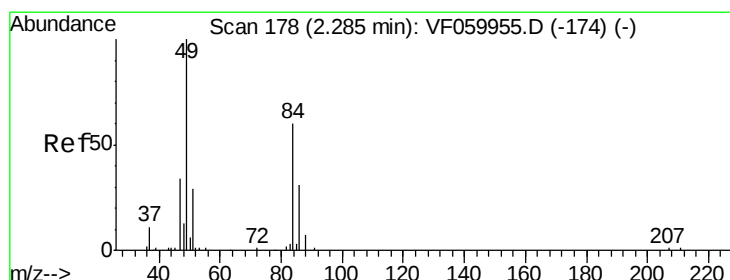
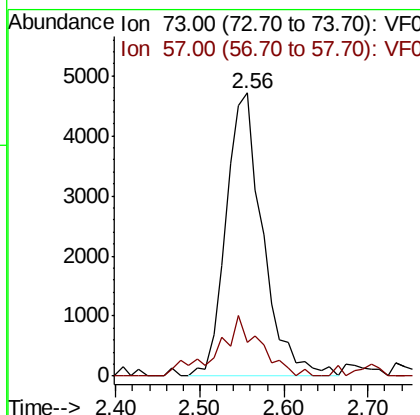
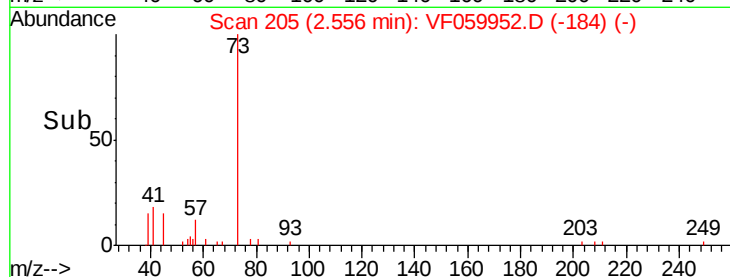
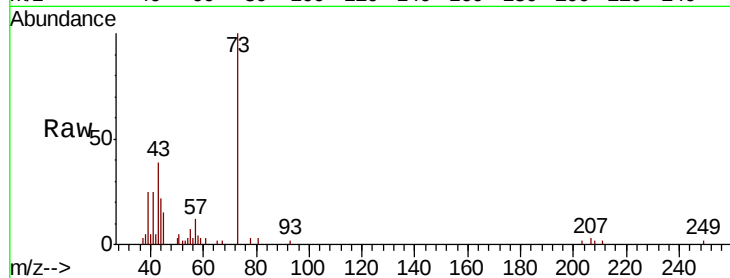
#19
Methvl tert-butvl Ether
Concen: 4.45 ug/l
RT: 2.56 min Scan# 205
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 14333
Ion Ratio Lower Upper
73 100
57 12.1 14.0 21.0#

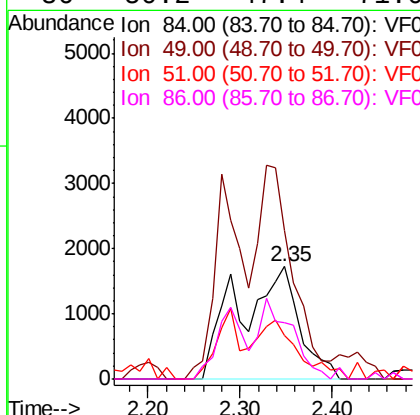
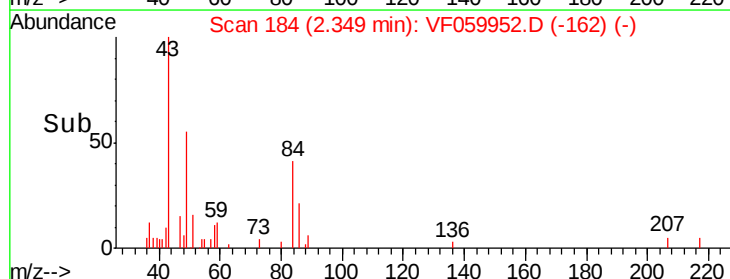
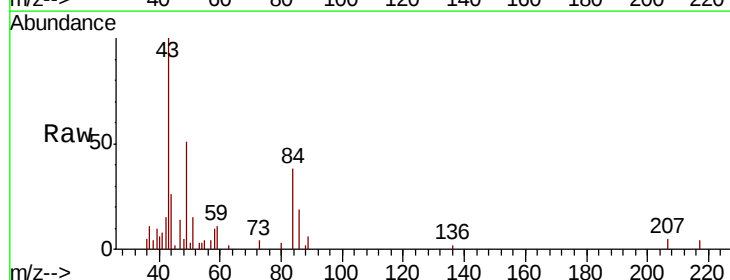
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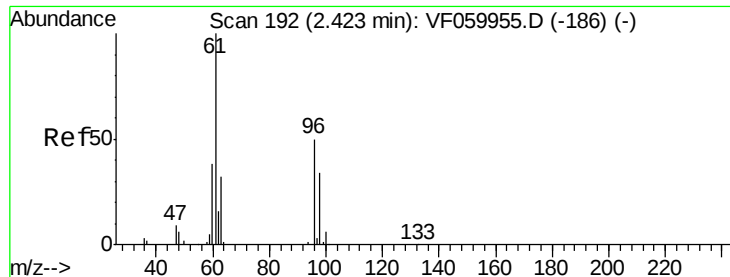
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#20
Methylene Chloride
Concen: 7.37 ug/l m
RT: 2.35 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion: 84 Resp: 7910
Ion Ratio Lower Upper
84 100
49 132.4 138.6 207.8#
51 39.1 40.2 60.4#
86 50.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 4.75 ug/l

RT: 2.43 min Scan# 192

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

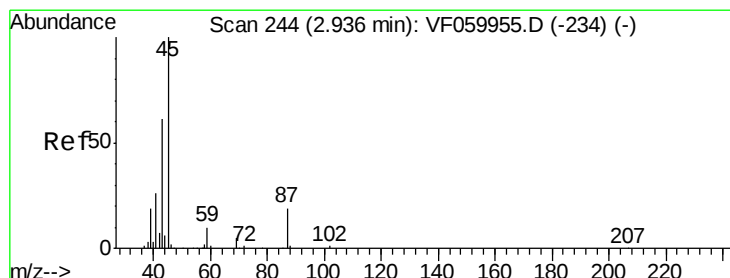
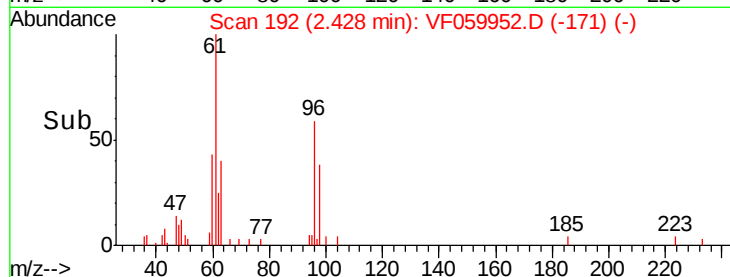
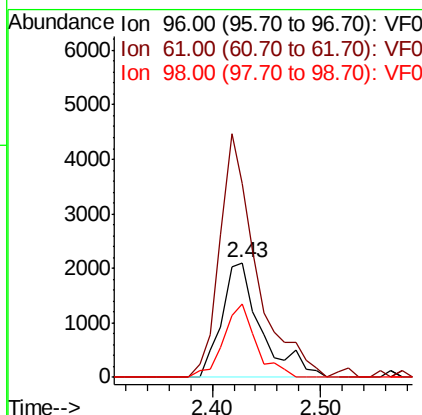
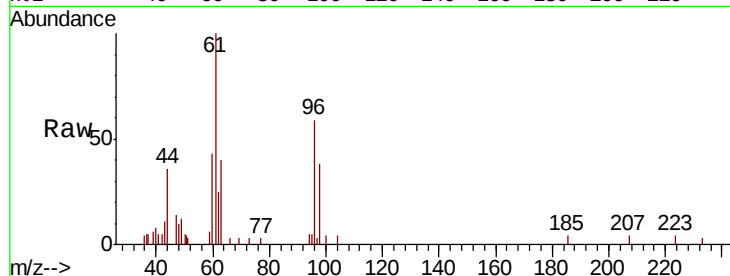
ClientSampleID :

VSTDIC005

Tot Ion:	96	Resp:	5342
Ion	Ratio	Lower	Upper
96	100		
61	169.1	159.5	239.3
98	64.4	53.8	80.6

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#22

Diisopropyl ether

Concen: 4.54 ug/l

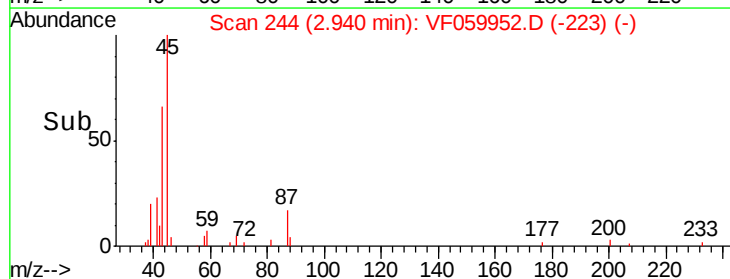
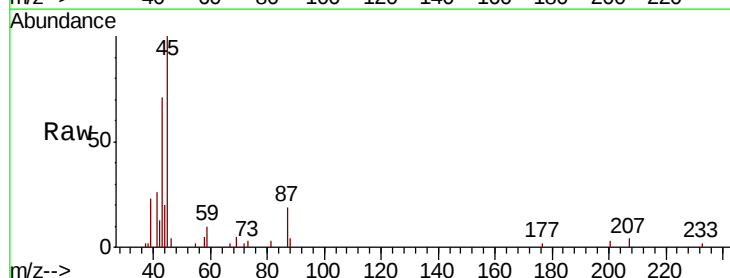
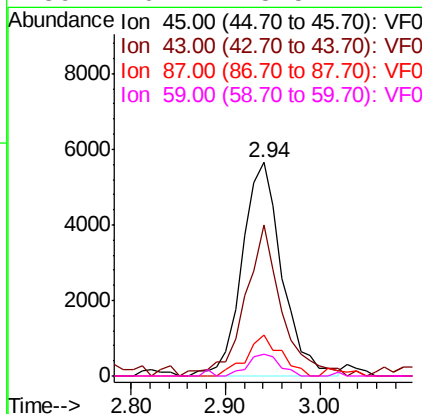
RT: 2.94 min Scan# 244

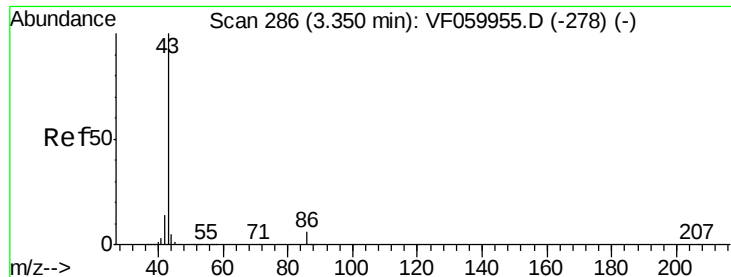
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	45	Resp:	16544
Ion	Ratio	Lower	Upper
45	100		
43	70.7	48.7	73.1
87	19.3	15.3	22.9
59	10.1	8.5	12.7





#23

Vinyl Acetate

Concen: 20.78 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

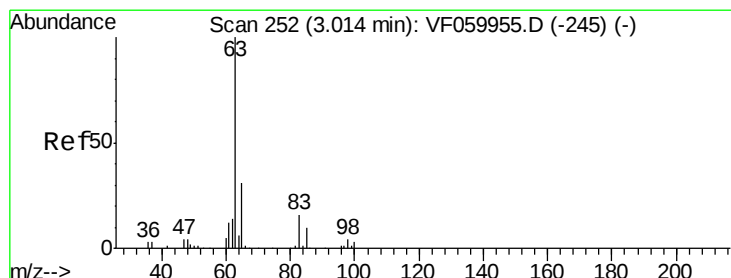
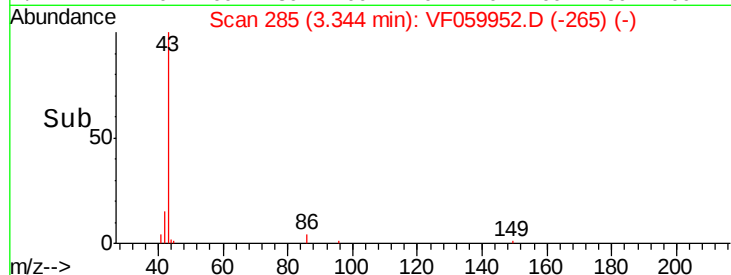
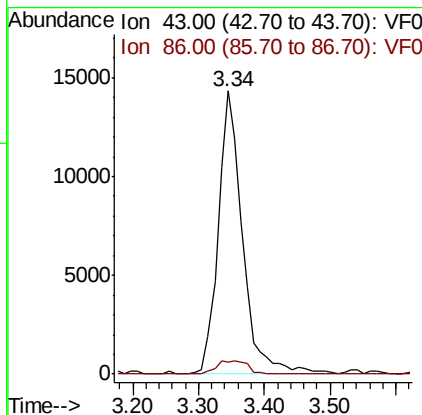
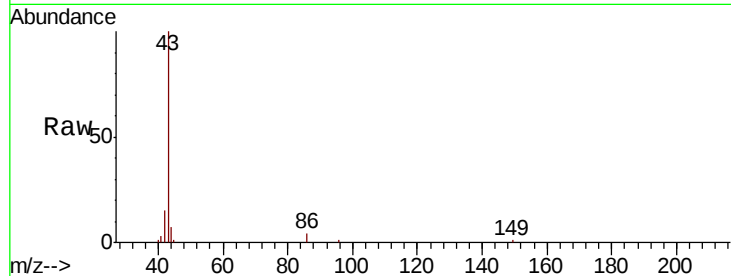
ClientSampleId :

VSTDIC005

Tot Ion	43	Resp	36891
Ion	Ratio	Lower	Upper
43	100		
86	4.3	4.9	7.3#

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 4.72 ug/l

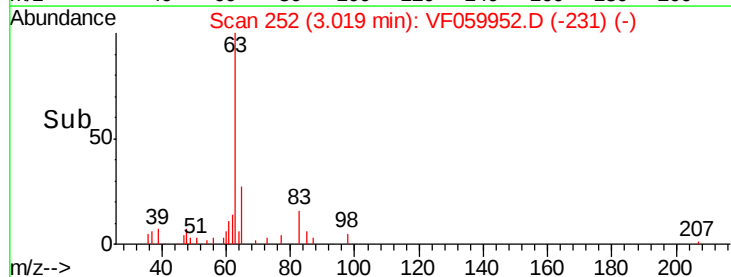
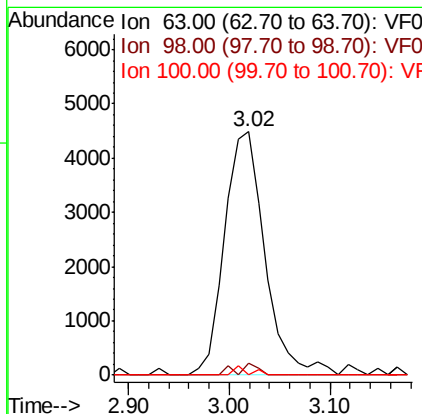
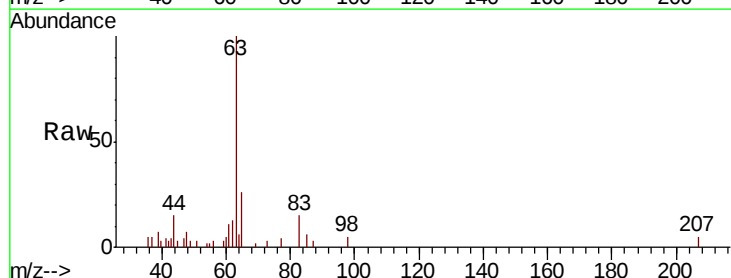
RT: 3.02 min Scan# 252

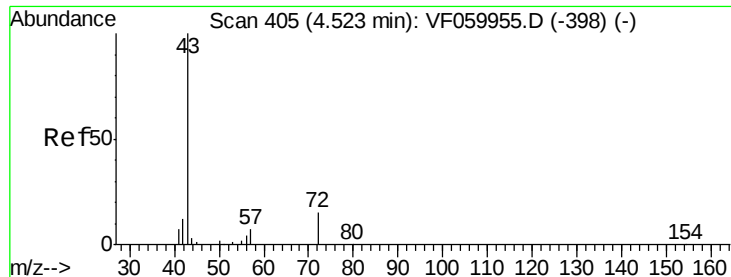
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion	63	Resp	12500
Ion	Ratio	Lower	Upper
63	100		
98	4.8	2.1	6.2
100	0.0	1.7	5.1#





#25

2-Butanone

Concen: 23.63 ug/l

RT: 4.52 min Scan# 404

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 10920

Ion Ratio Lower Upper

43 100

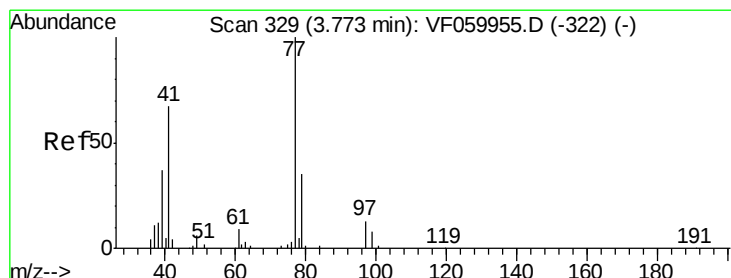
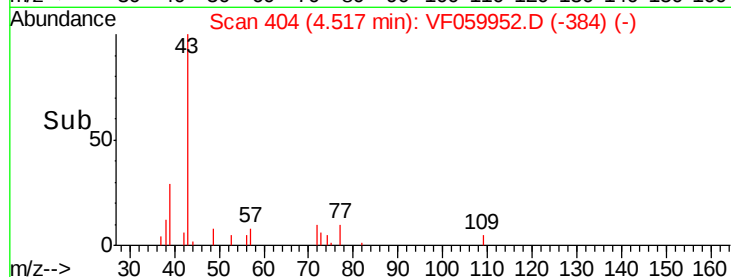
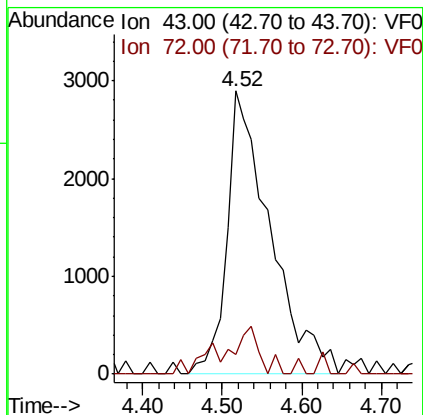
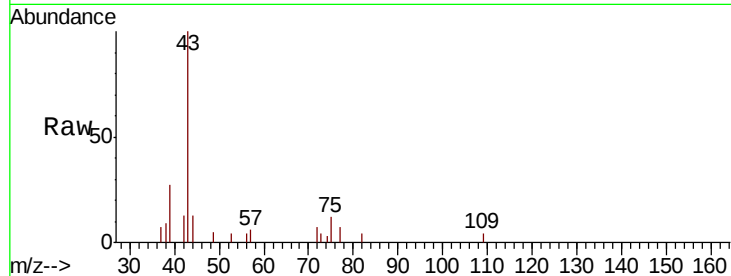
72 7.1 14.6 22.0#

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.07 ug/l

RT: 3.78 min Scan# 329

Delta R.T. 0.00 min

Lab File: VF059952.D

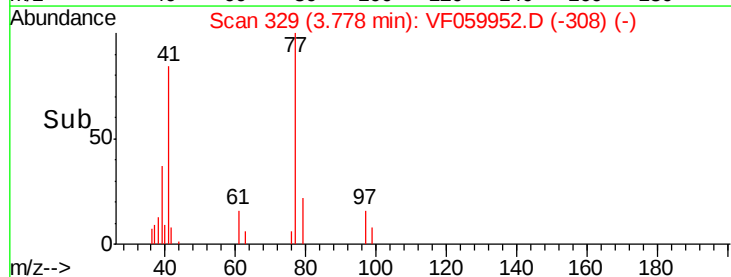
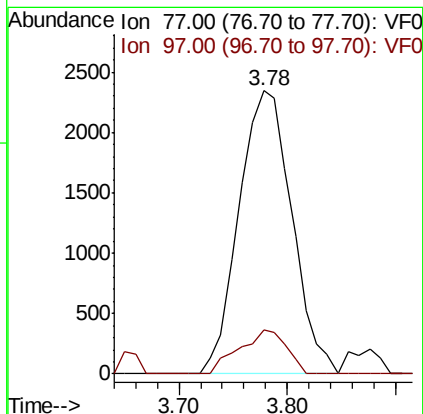
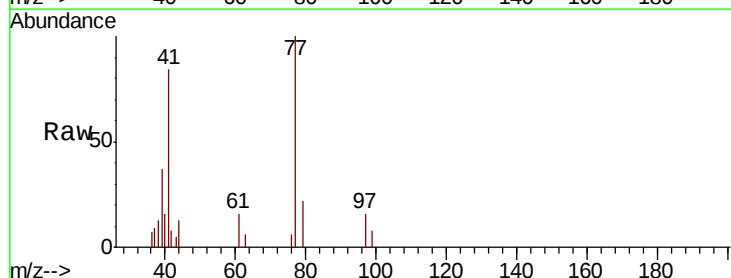
Acq: 14 Aug 2018 18:41

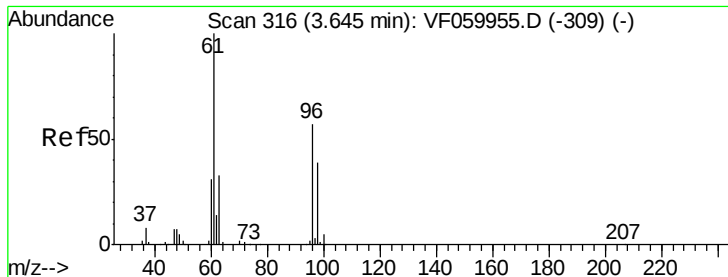
Tgt Ion: 77 Resp: 7968

Ion Ratio Lower Upper

77 100

97 15.6 6.6 19.7





#27

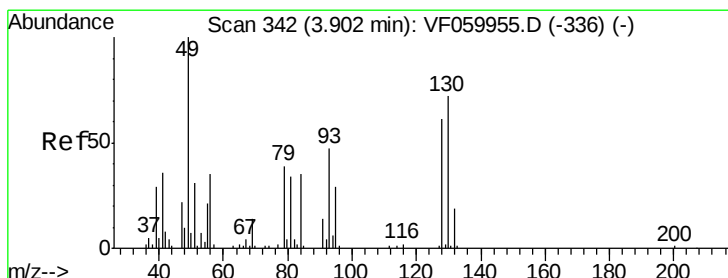
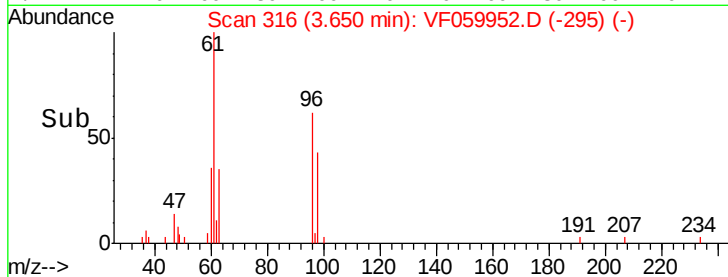
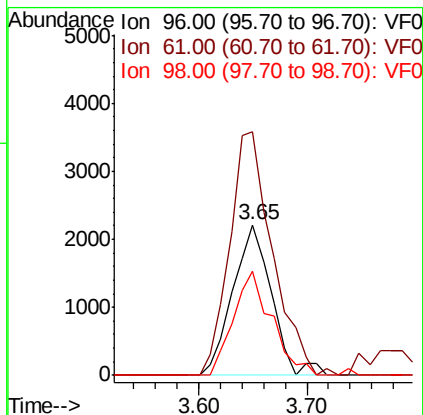
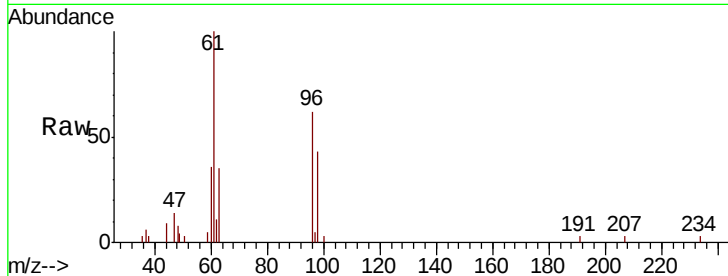
cis-1,2-Dichloroethene
Concen: 4.40 ug/l
RT: 3.65 min Scan# 316
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	96	Resp:	5516
Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	349.4
98	69.1	0.0	134.6

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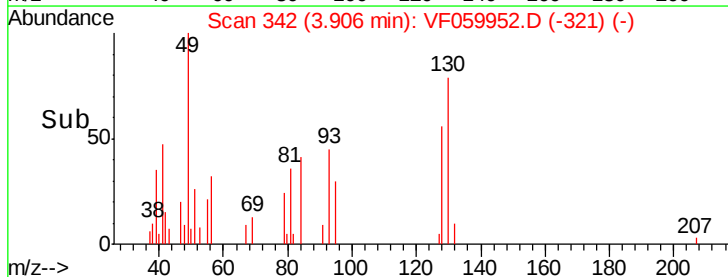
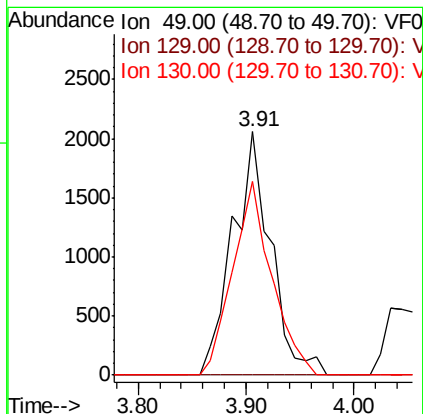
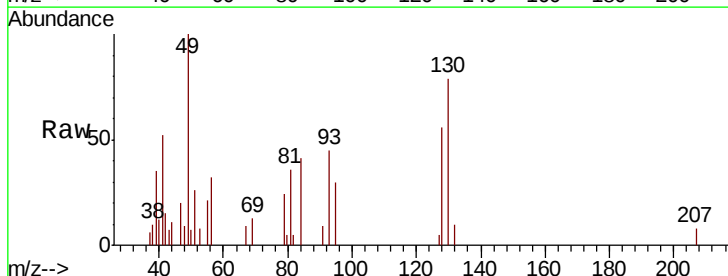
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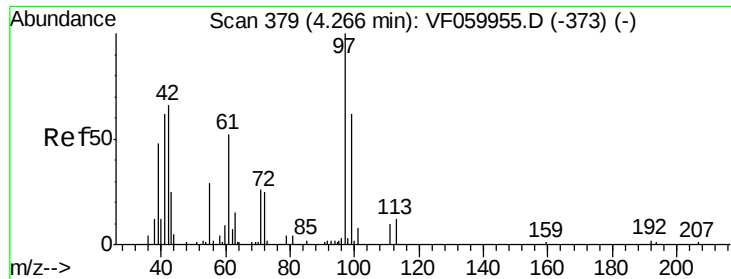


#28

Bromochloromethane
Concen: 5.28 ug/l
RT: 3.91 min Scan# 342
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion:	49	Resp:	5011
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.2
130	79.4	58.1	87.1





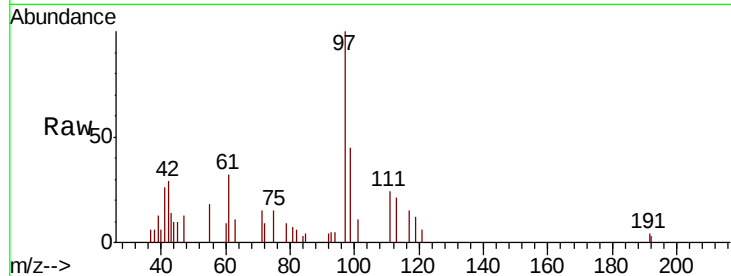
#29
Tetrahydrofuran
Concen: 21.66 ug/l
RT: 4.28 min Scan# 380
Delta R.T. 0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

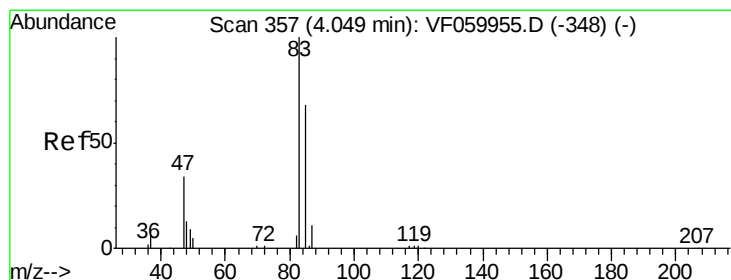
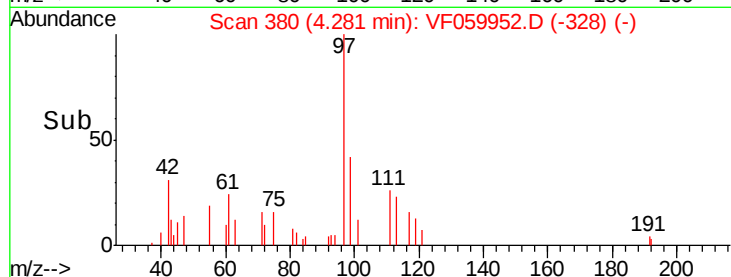
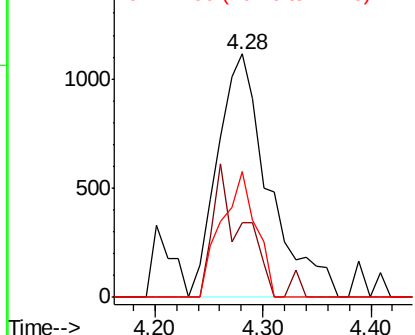
Tot Ion	Ratio	Lower	Upper
42	100		
72	31.7	27.7	41.5
71	35.1	28.2	42.4

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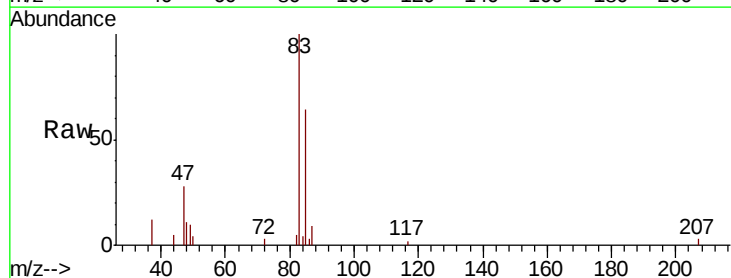


Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0

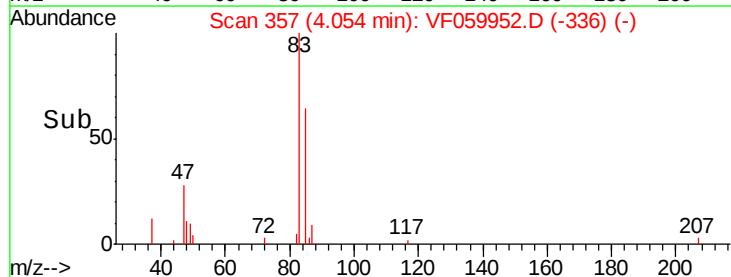
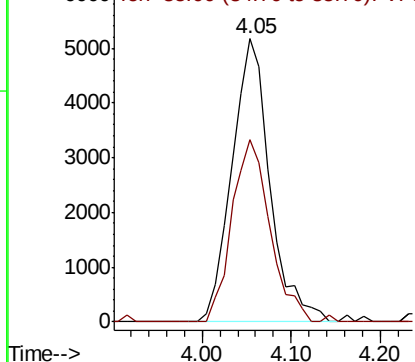


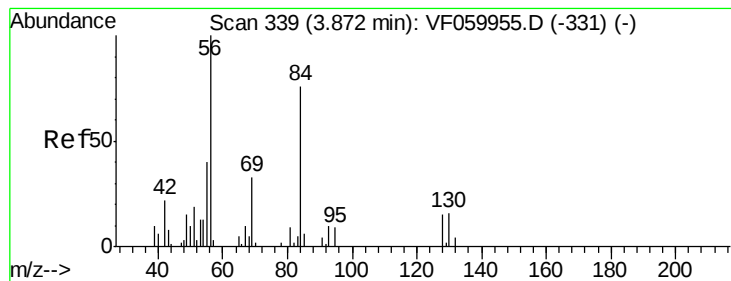
#30
Chloroform
Concen: 4.29 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	54.4	81.6



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0





#31

Cyclohexane

Concen: 4.19 ug/l

RT: 3.89 min Scan# 340

Delta R.T. 0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

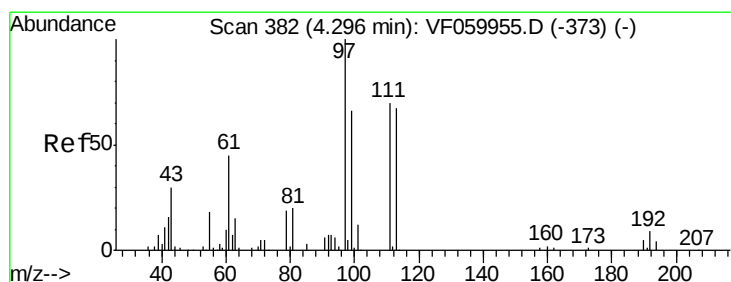
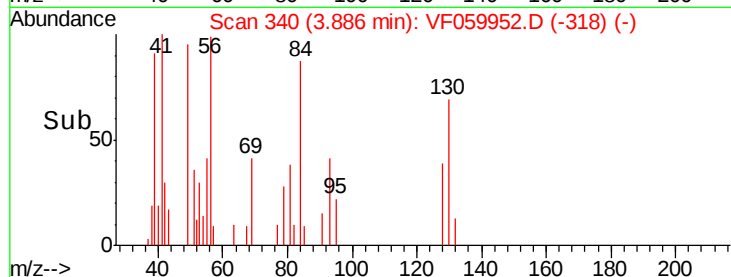
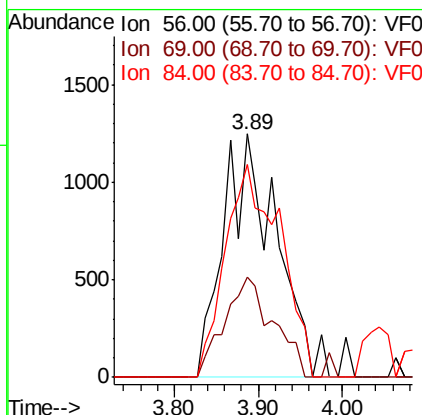
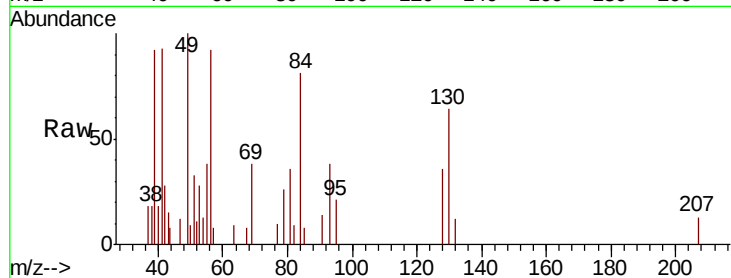
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	5473
Ion Ratio	Lower	Upper	
56	100		
69	41.4	26.2	39.2#
84	87.7	61.0	91.4

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#32

1,1,1-Trichloroethane

Concen: 4.78 ug/l

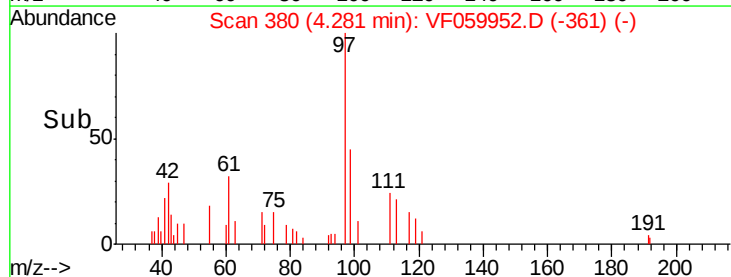
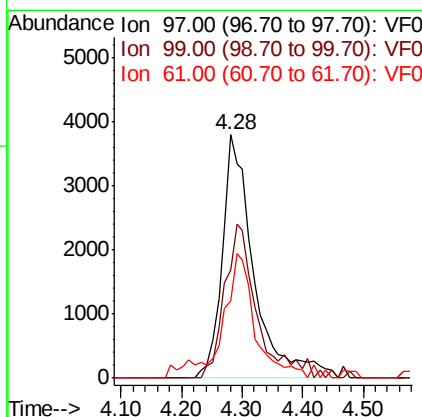
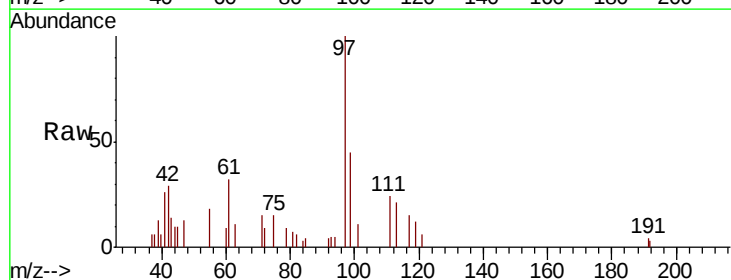
RT: 4.28 min Scan# 380

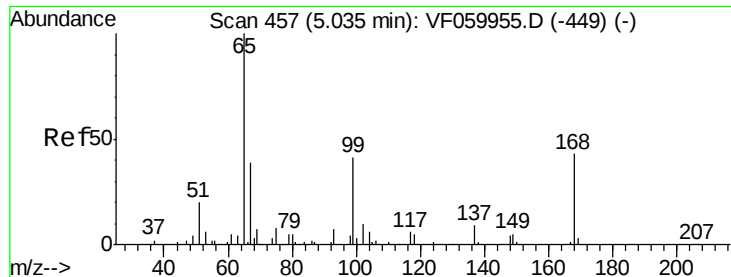
Delta R.T. -0.02 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	97	Resp:	13737
Ion Ratio	Lower	Upper	
97	100		
99	44.5	53.0	79.4#
61	31.6	36.6	55.0#





#33

1,2-Dichloroethane-d4

Concen: 4.80 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 11176

Ion Ratio Lower Upper

65 100

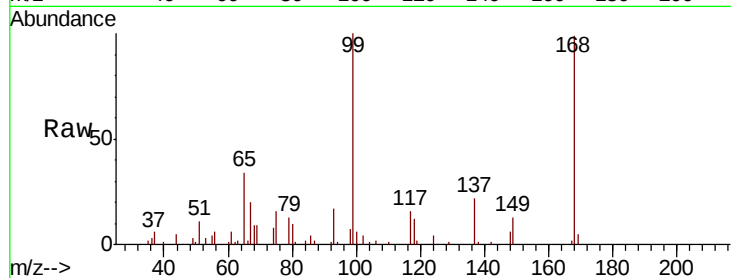
67 57.9 0.0 87.4

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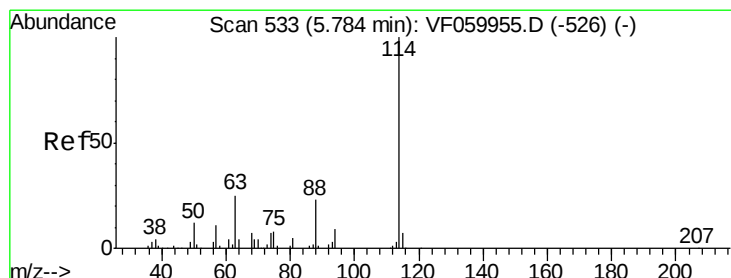
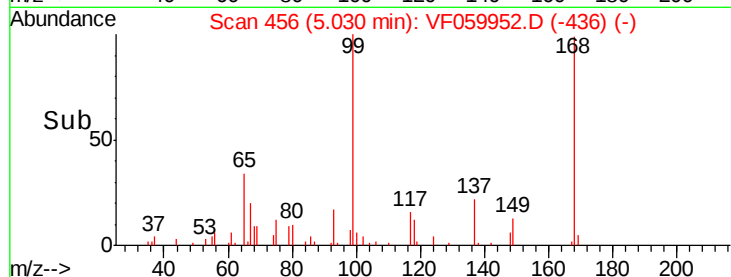
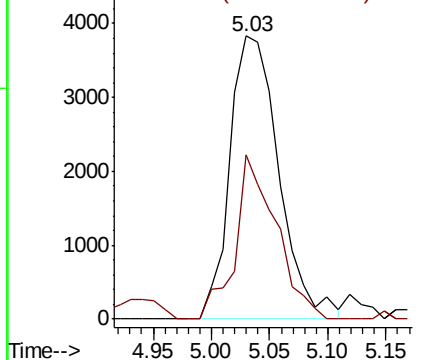
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Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 5.78 min Scan# 532

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

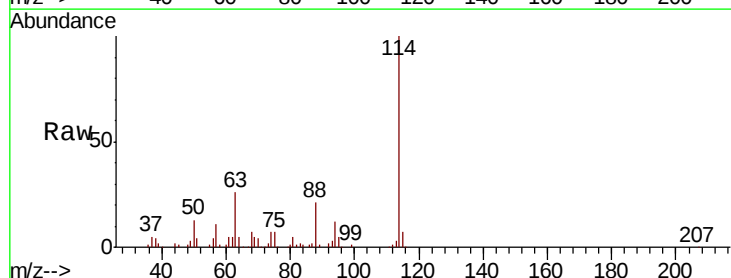
Tgt Ion: 114 Resp: 166573

Ion Ratio Lower Upper

114 100

63 26.2 0.0 50.2

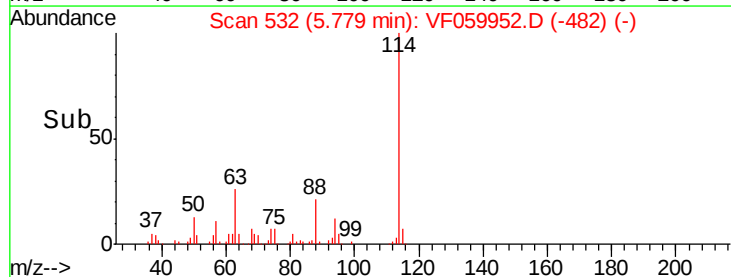
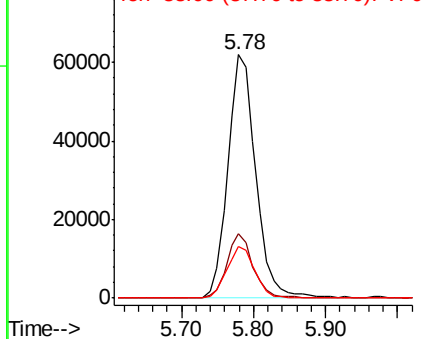
88 21.2 0.0 46.8

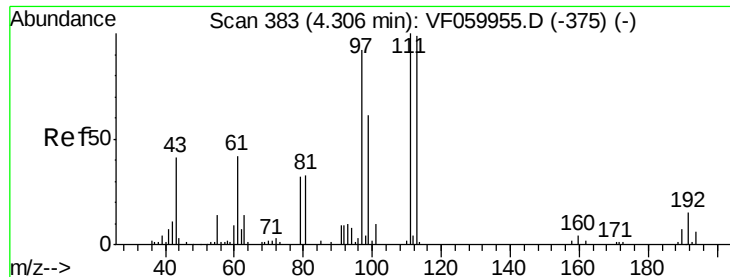


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 5.51 ug/l

RT: 4.31 min Scan# 383

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

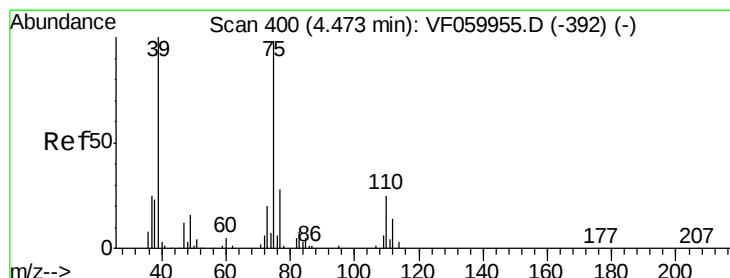
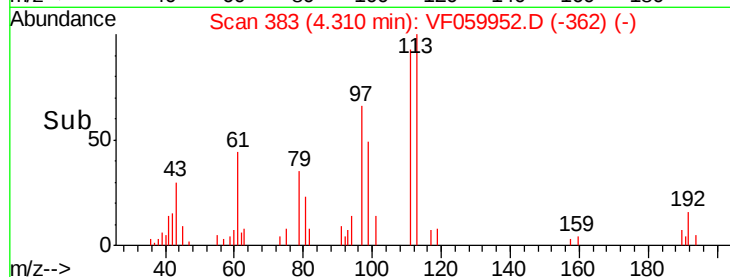
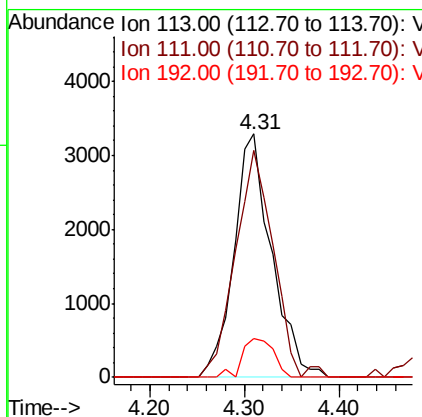
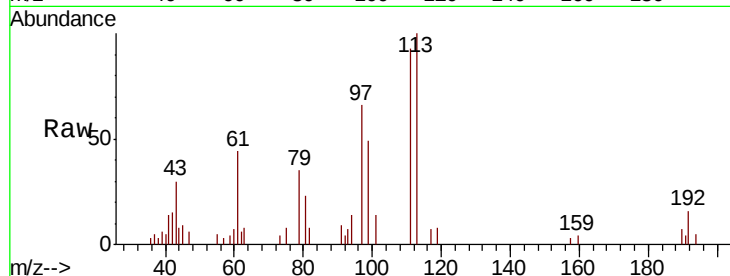
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	9068
Ion	Ratio	Lower	Upper
113	100		
111	93.2	80.6	121.0
192	15.8	11.7	17.5

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#36

1,1-Dichloropropene

Concen: 5.12 ug/l

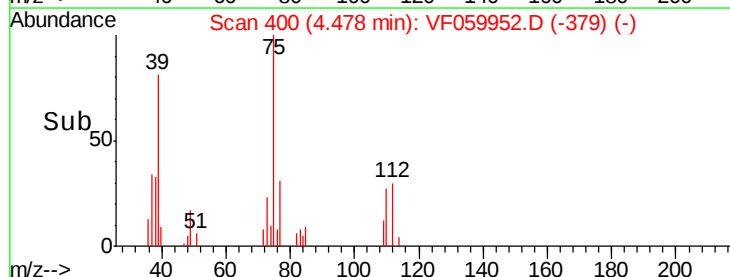
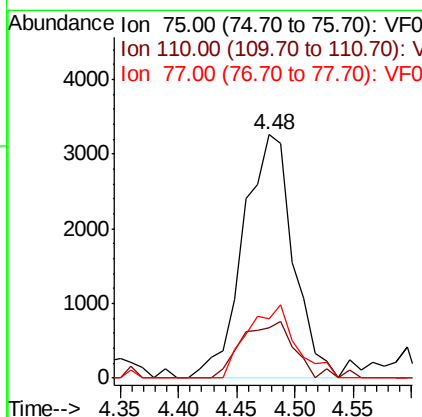
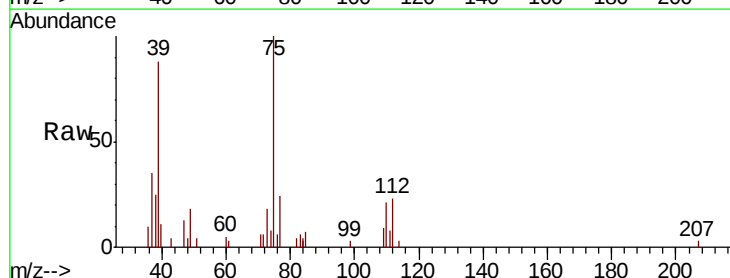
RT: 4.48 min Scan# 400

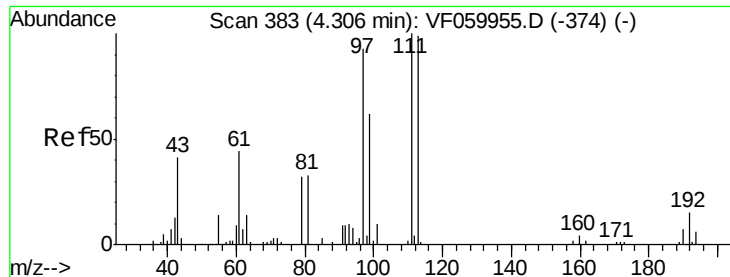
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	75	Resp:	9690
Ion	Ratio	Lower	Upper
75	100		
110	20.6	12.6	37.8
77	24.1	22.7	34.1





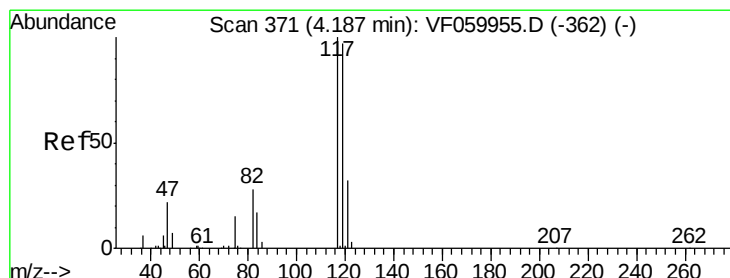
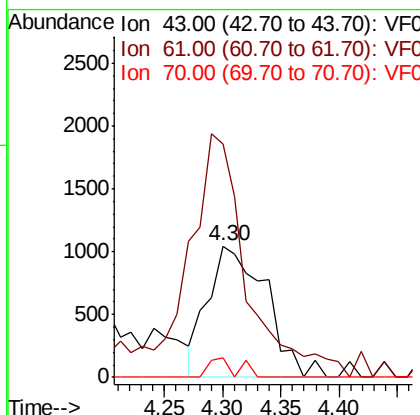
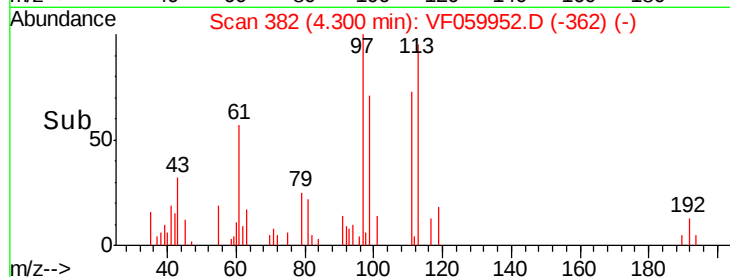
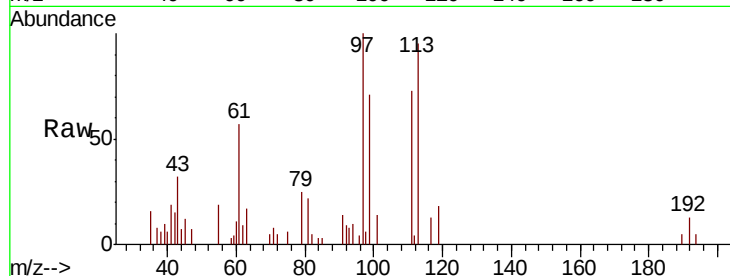
#37
Ethyl Acetate
Concen: 4.46 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70
Resp:	3620		
Ratio	100	177.2	15.1
Lower		84.3	5.5
Upper		126.5#	8.3#

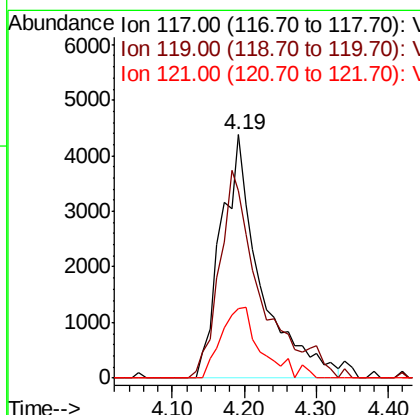
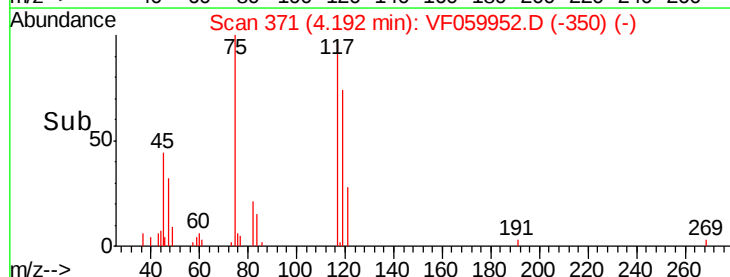
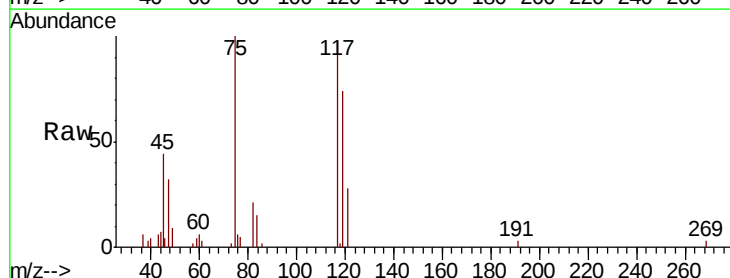
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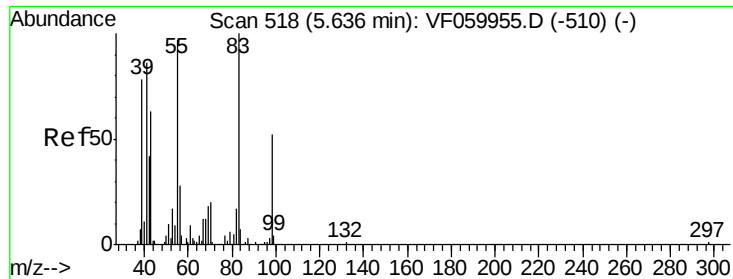
apatel
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#38
Carbon Tetrachloride
Concen: 5.88 ug/l
RT: 4.19 min Scan# 371
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	117	119	121
Resp:	16591		
Ratio	100	76.8	28.7
Lower		76.9	24.9
Upper		115.3#	37.3





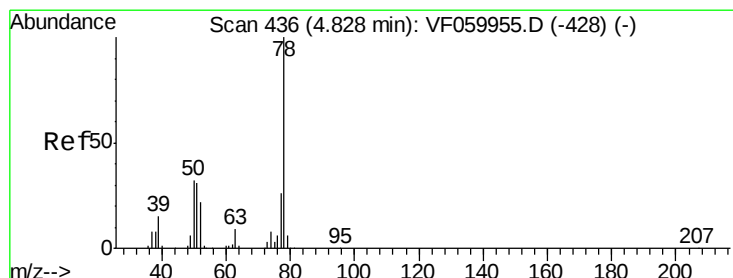
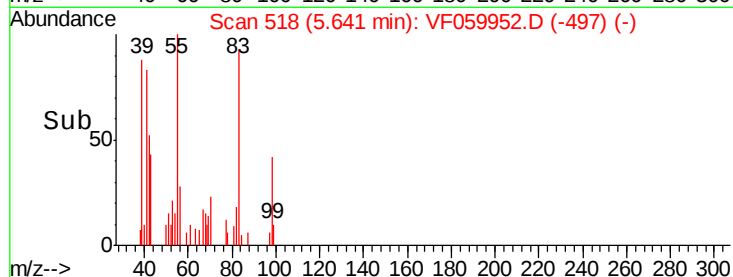
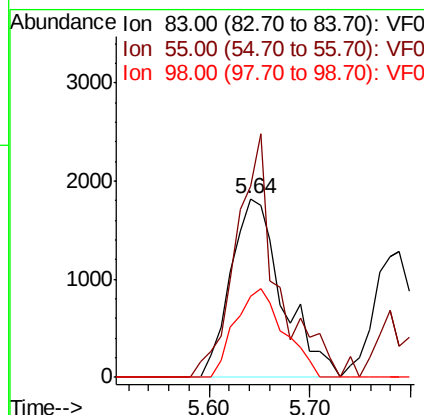
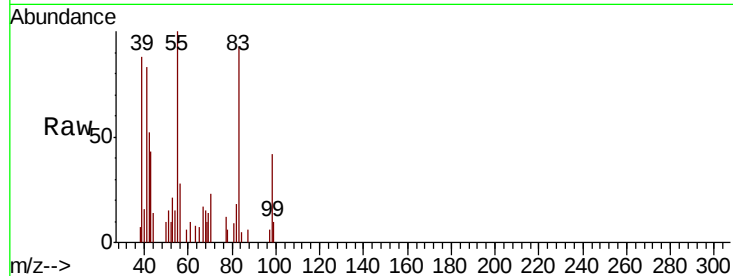
#39
Methylcyclohexane
Concen: 4.62 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	107.1	77.4	116.2
98	45.5	41.5	62.3

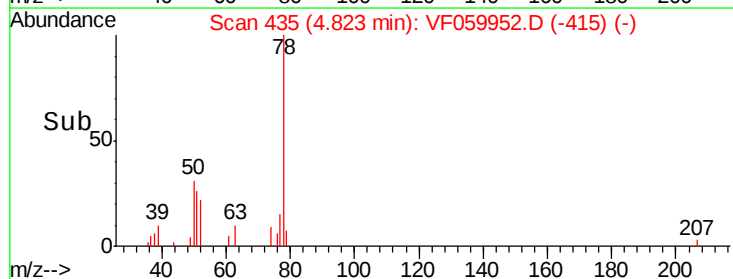
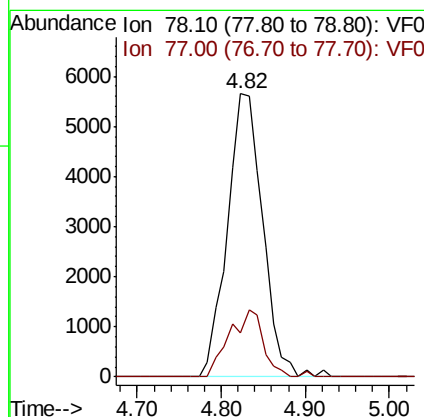
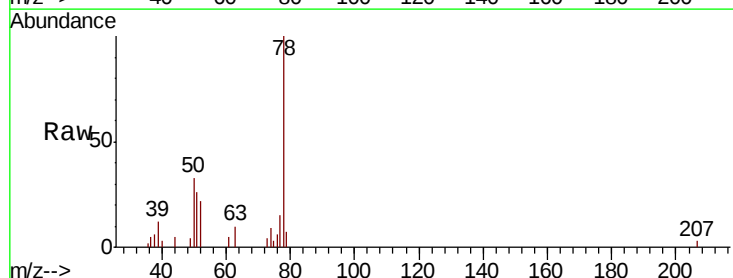
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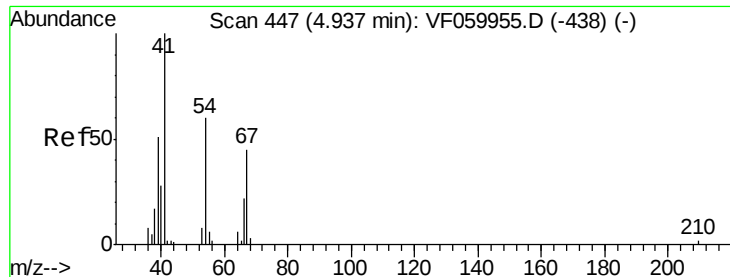
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#40
Benzene
Concen: 2.59 ug/l
RT: 4.82 min Scan# 435
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.3	21.1	31.7#





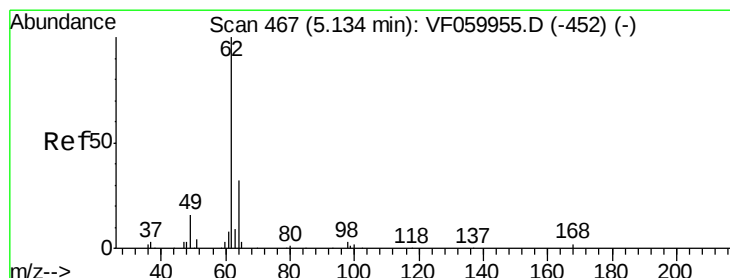
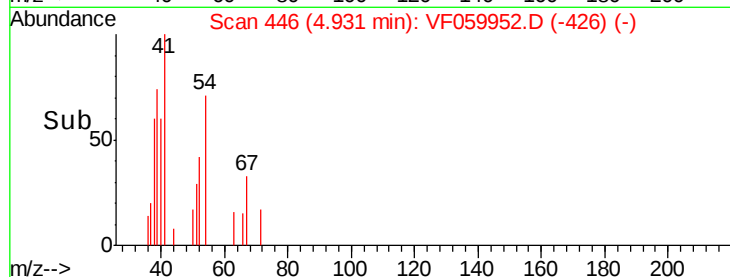
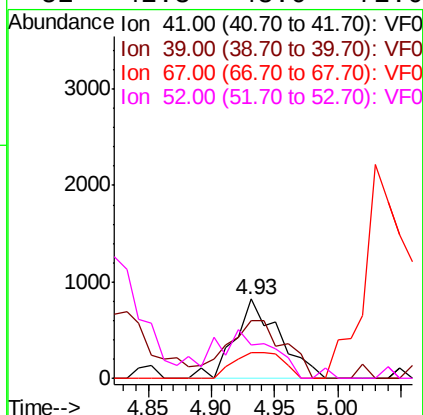
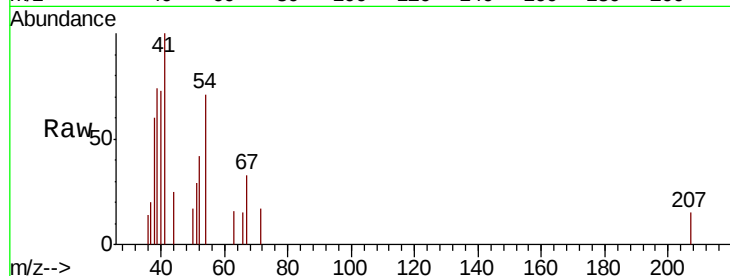
#41
Methacrylonitrile
Concen: 4.73 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	73.7	75.7	113.5#	
67	32.9	36.1	54.1#	
52	42.3	48.0	72.0#	

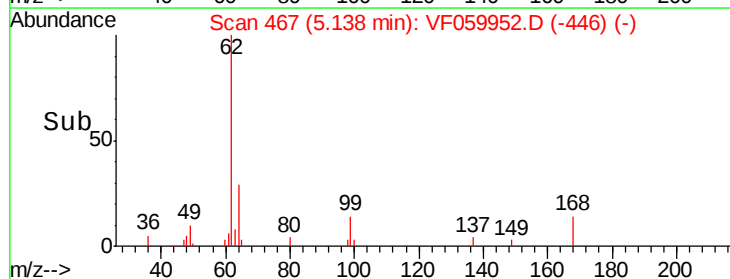
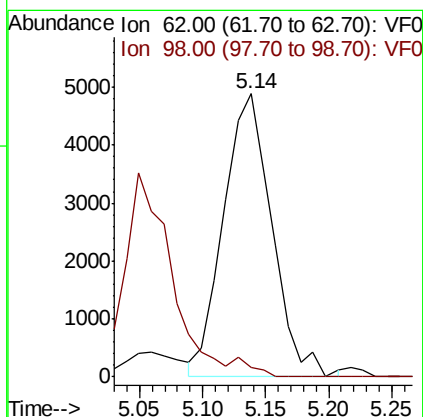
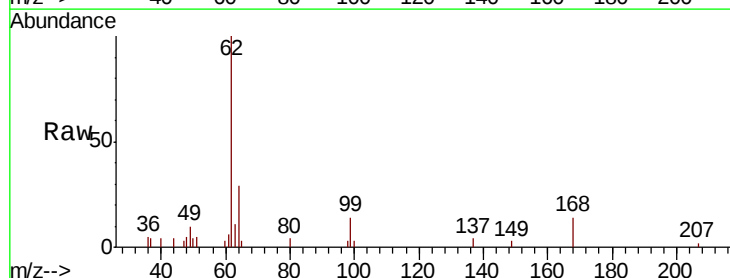
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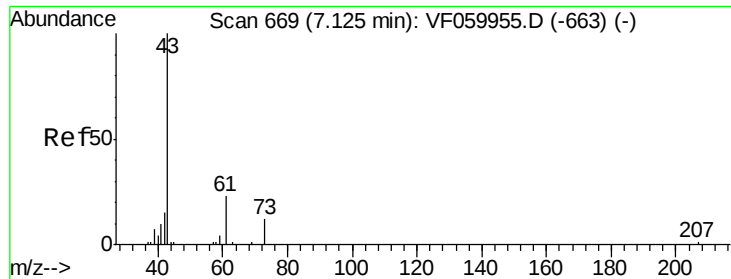
apatel
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#42
1,2-Dichloroethane
Concen: 4.92 ug/l
RT: 5.14 min Scan# 467
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	3.4	0.0	5.0	





#43

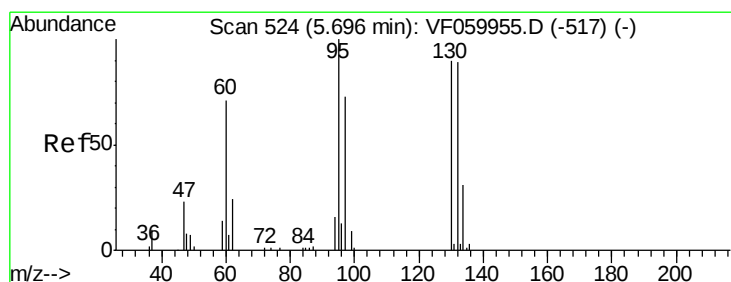
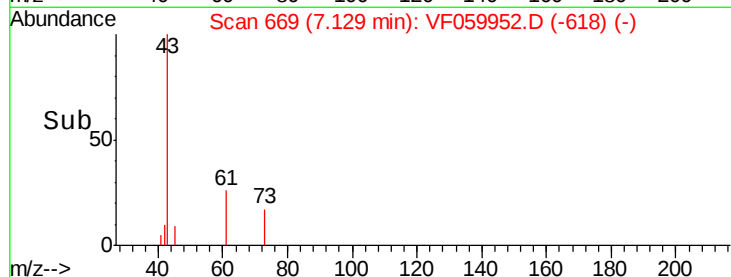
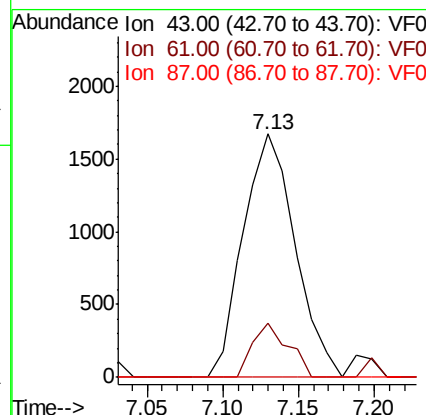
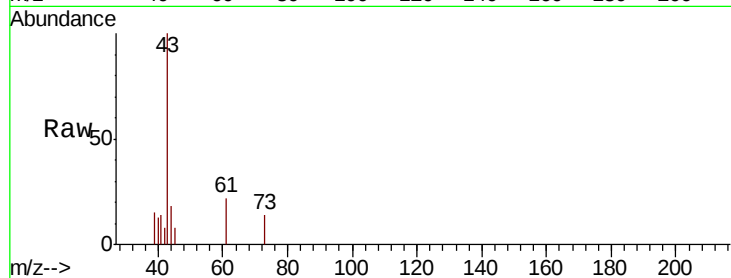
Isopropyl Acetate
 Concen: 4.70 ug/l
 RT: 7.13 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.0	18.6	27.8
87	0.0	0.0	0.0

Manual Integrations
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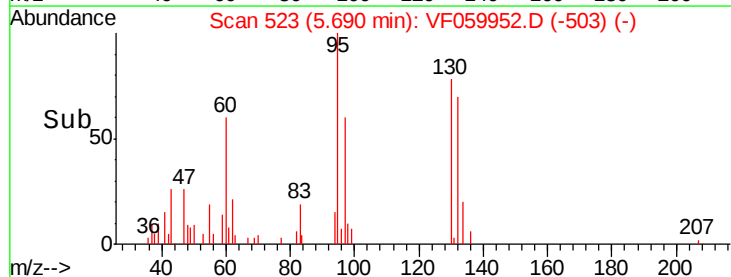
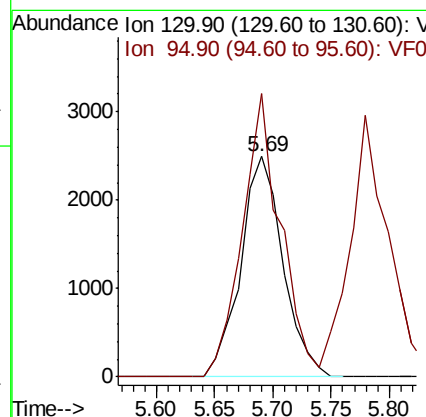
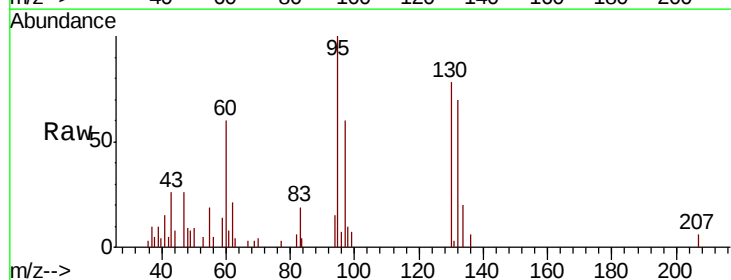
apatel
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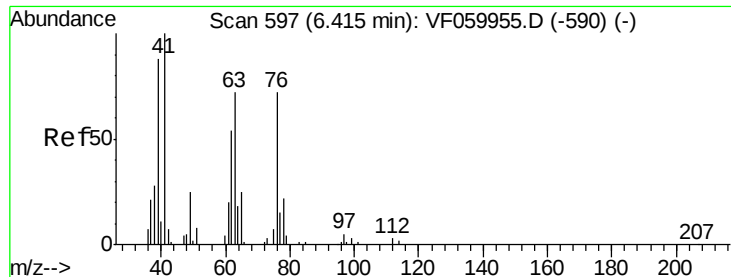


#44

Trichloroethene
 Concen: 4.99 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	128.5	0.0	222.0





#45

1,2-Dichloropropane

Concen: 4.94 ug/l

RT: 6.42 min Scan# 597

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 4296

Ion Ratio Lower Upper

63 100

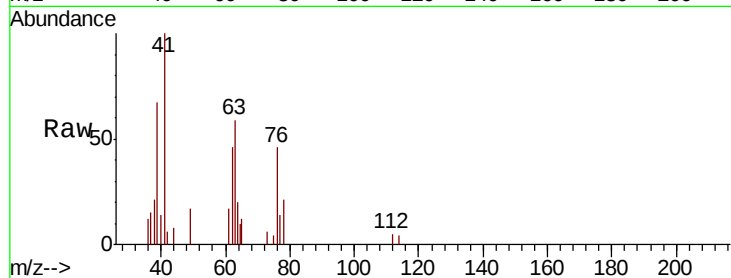
65 36.4 27.8 41.6

Manual Integrations

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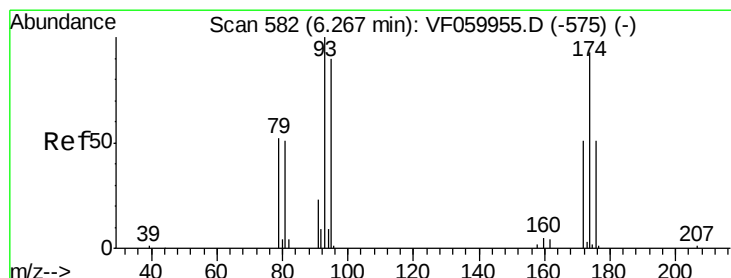
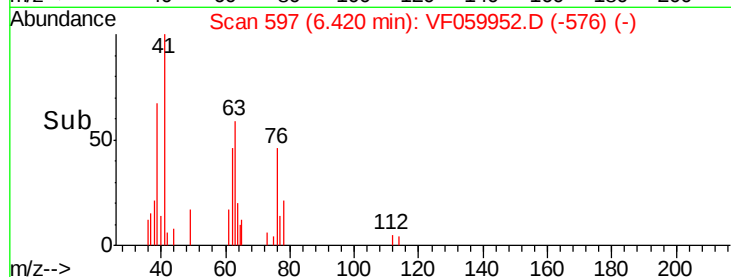
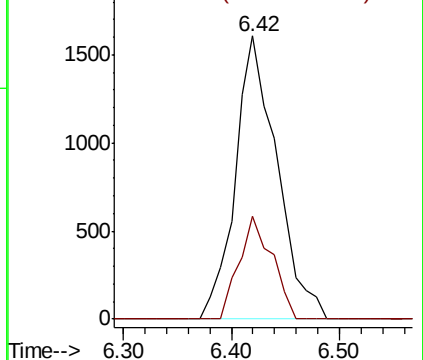
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 4.87 ug/l

RT: 6.27 min Scan# 582

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

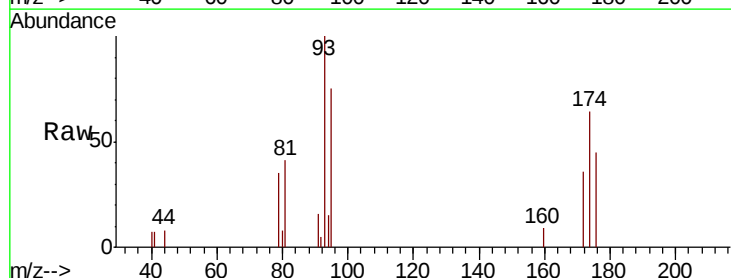
Tgt Ion: 93 Resp: 4287

Ion Ratio Lower Upper

93 100

95 75.4 72.4 108.6

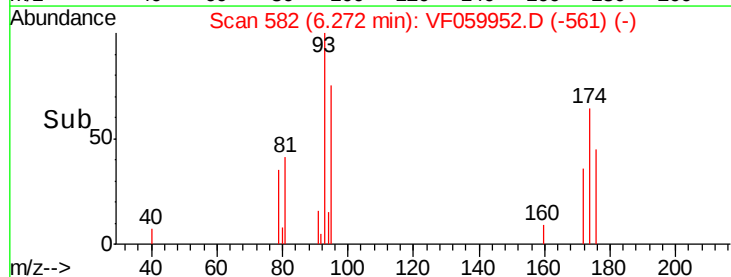
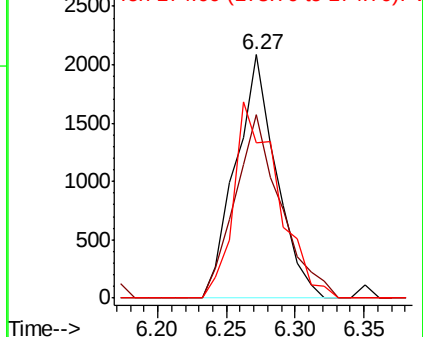
174 63.9 75.9 113.9#

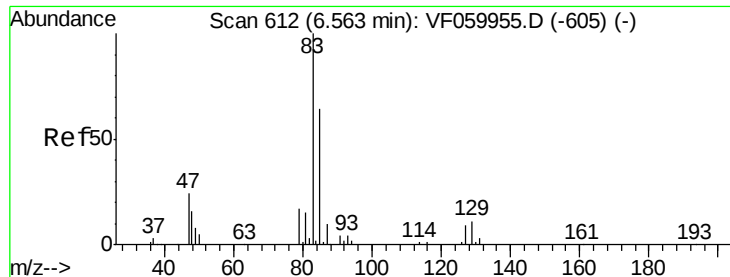


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 4.80 ug/l

RT: 6.57 min Scan# 612

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

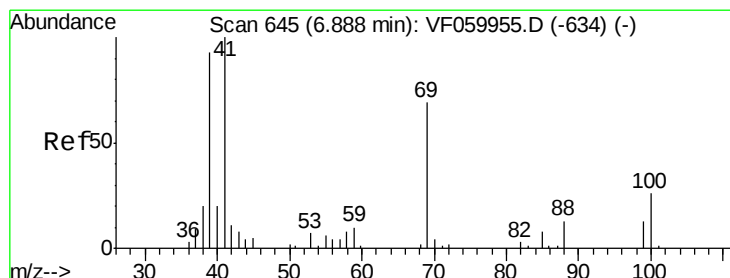
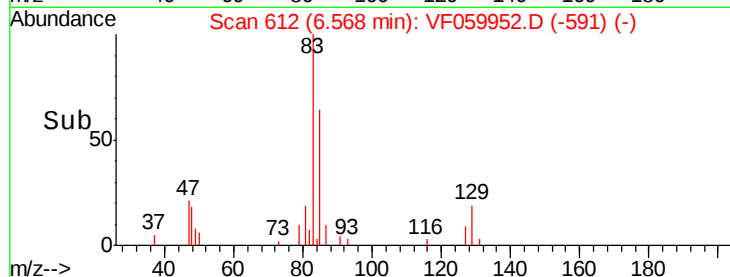
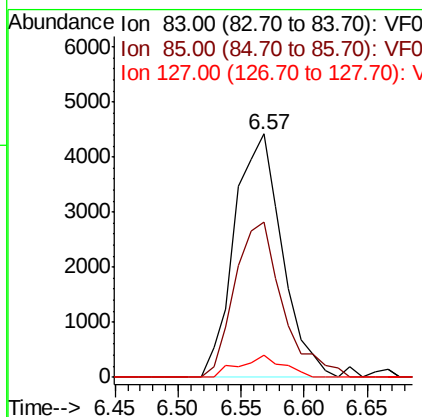
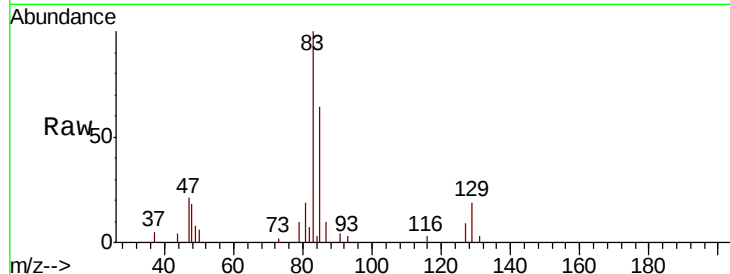
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	11594
Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.5	77.3
127	9.0	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.27 ug/l

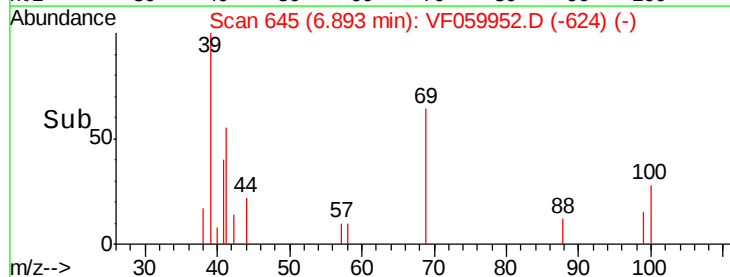
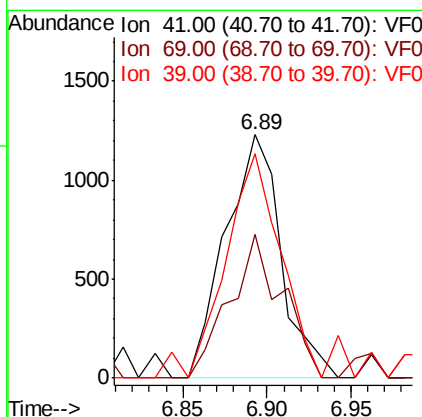
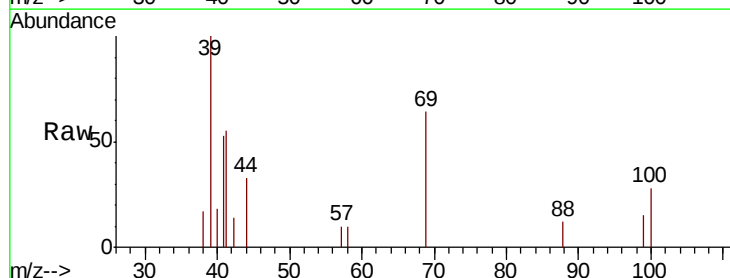
RT: 6.89 min Scan# 645

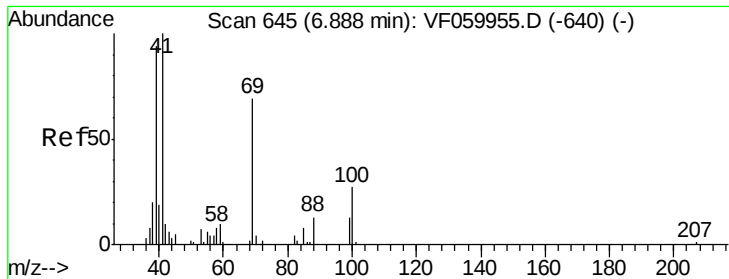
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	41	Resp:	2815
Ion	Ratio	Lower	Upper
41	100		
69	59.0	54.8	82.2
39	92.2	75.1	112.7





#49

1,4-Dioxane

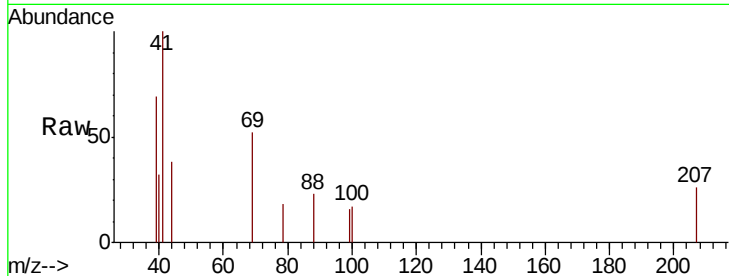
Concen: 119.25 ug/l m
RT: 6.87 min Scan# 643
Delta R.T. -0.02 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

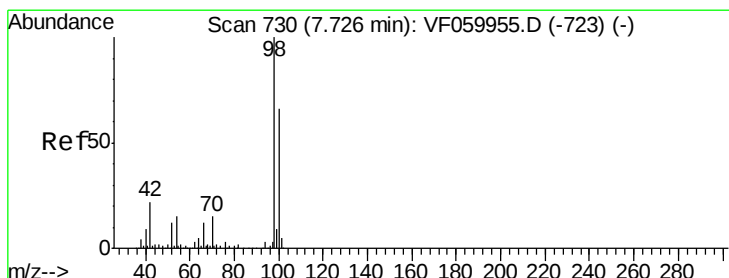
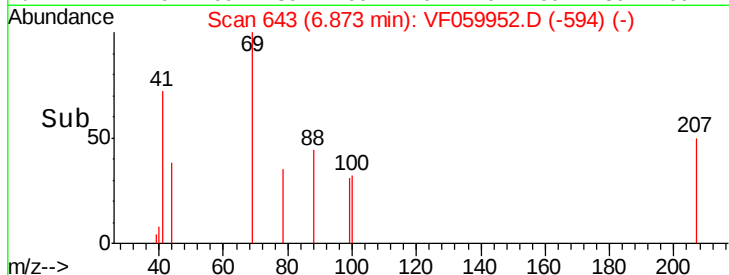
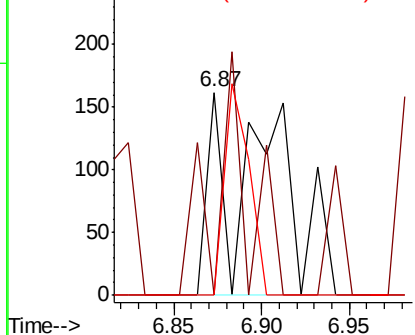
Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	47.9	71.9#
58	0.0	52.0	78.0#

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Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

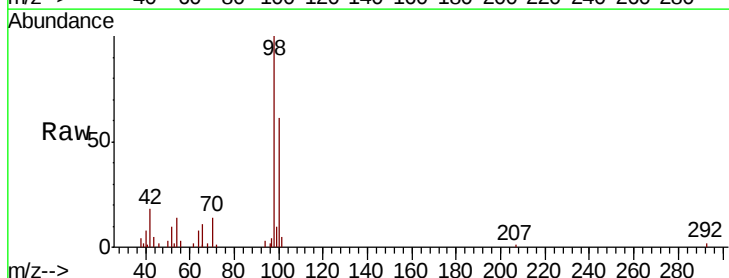


#50

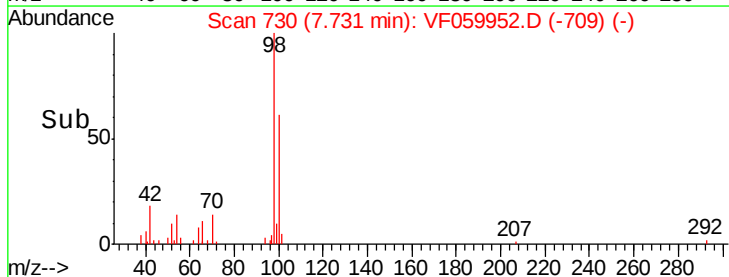
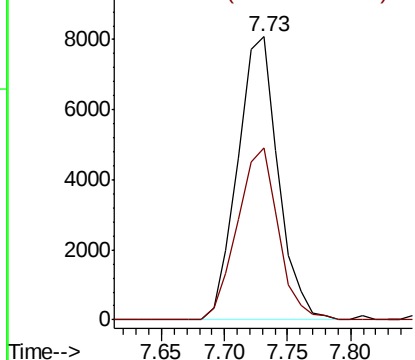
Toluene-d8

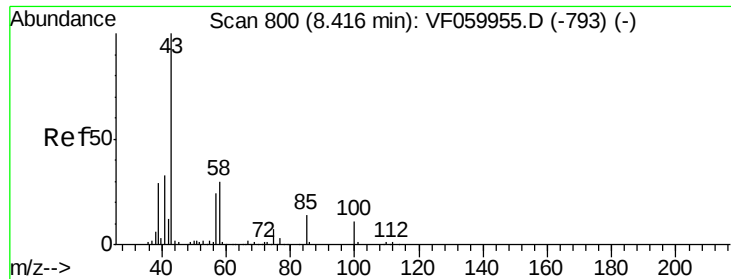
Concen: 5.12 ug/l
RT: 7.73 min Scan# 730
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.8	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 23.13 ug/l

RT: 8.42 min Scan# 800

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20074

Ion Ratio Lower Upper

43 100

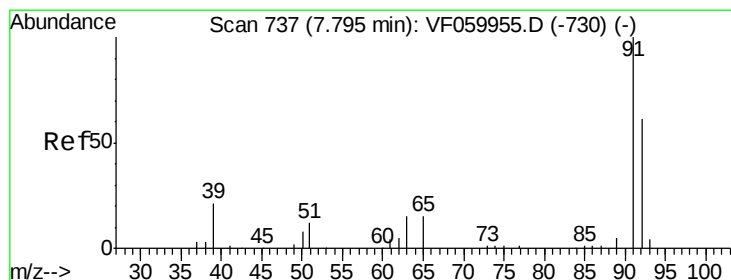
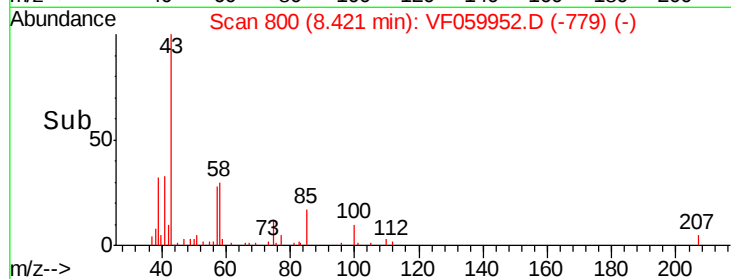
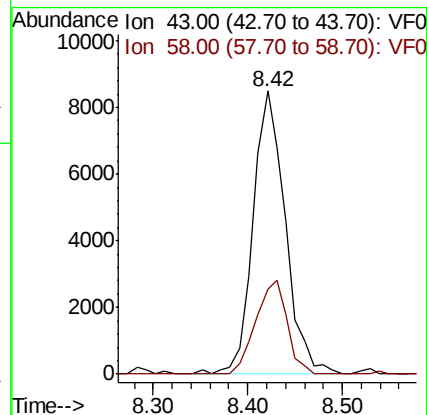
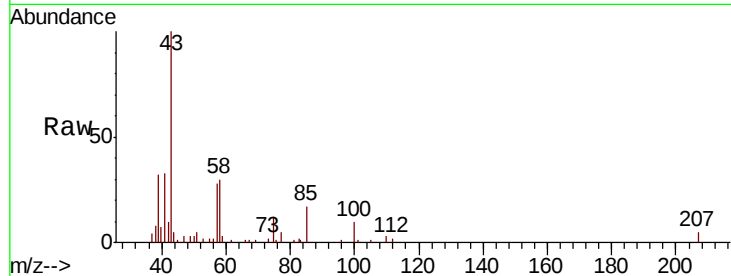
58 30.2 24.2 36.4

Manual Integrations

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#52

Toluene

Concen: 4.79 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059952.D

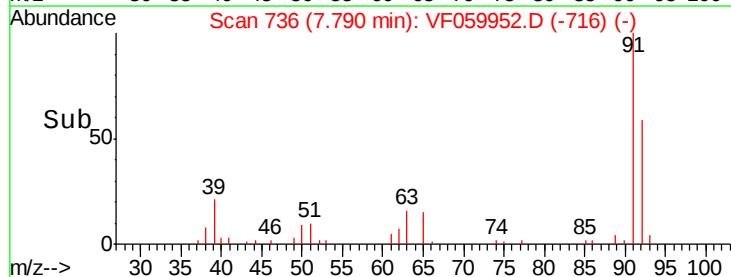
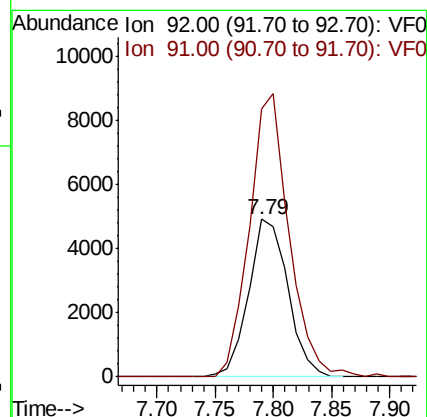
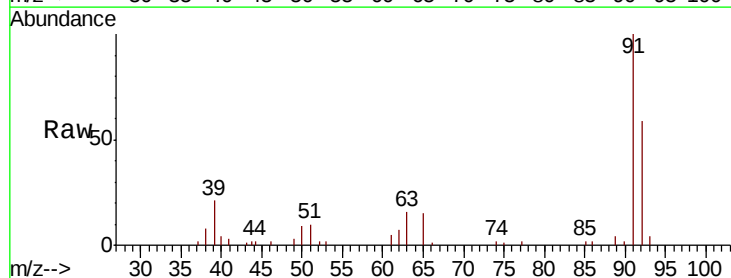
Acq: 14 Aug 2018 18:41

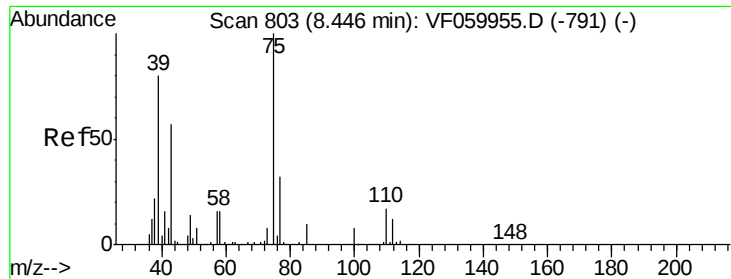
Tgt Ion: 92 Resp: 11510

Ion Ratio Lower Upper

92 100

91 170.2 131.2 196.8





#53

t-1,3-Dichloropropene

Concen: 5.01 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.01 min

Lab File: VF059952.D

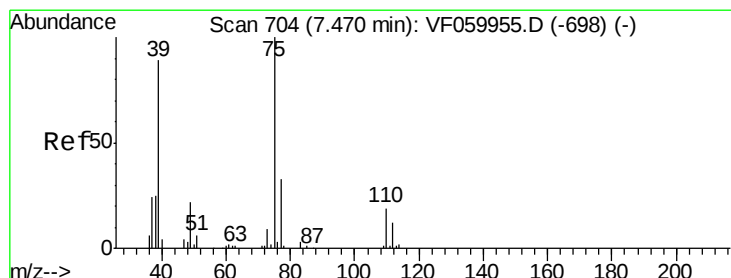
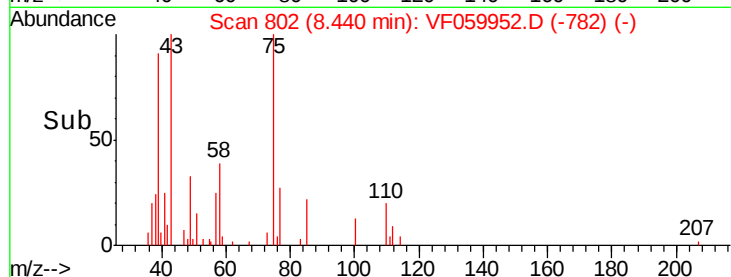
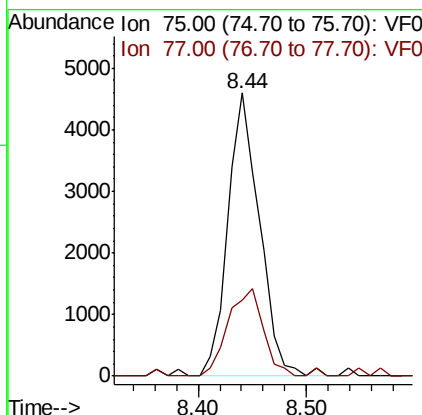
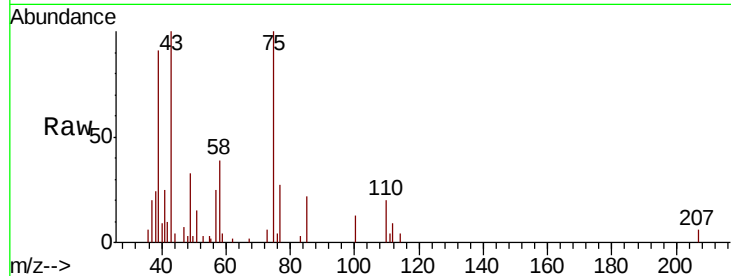
Acq: 14 Aug 2018 18:41

Tot Ion	75	Resp	9354
Ion Ratio	Lower	Upper	
75	100		
77	27.0	25.8	38.6

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

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#54

cis-1,3-Dichloropropene

Concen: 4.25 ug/l

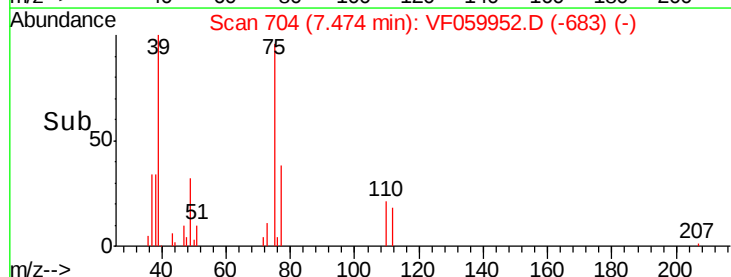
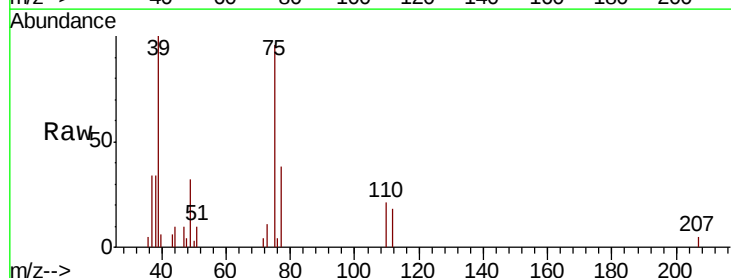
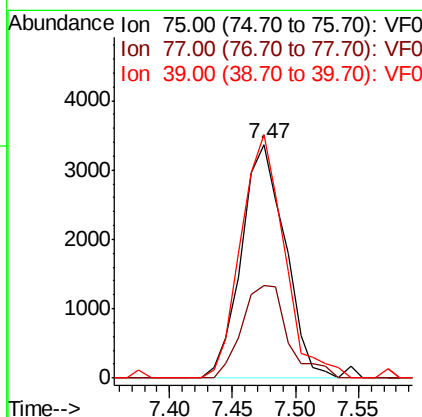
RT: 7.47 min Scan# 704

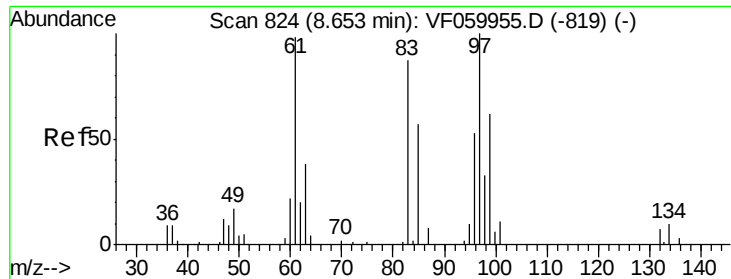
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion	75	Resp	8121
Ion Ratio	Lower	Upper	
75	100		
77	39.5	26.1	39.1#
39	104.0	71.6	107.4





#55

1,1,2-Trichloroethane

Concen: 4.28 ug/l

RT: 8.66 min Scan# 824

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

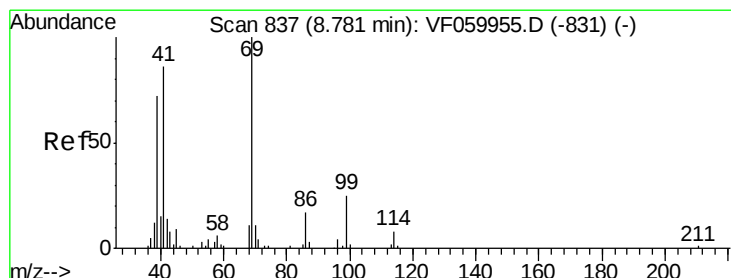
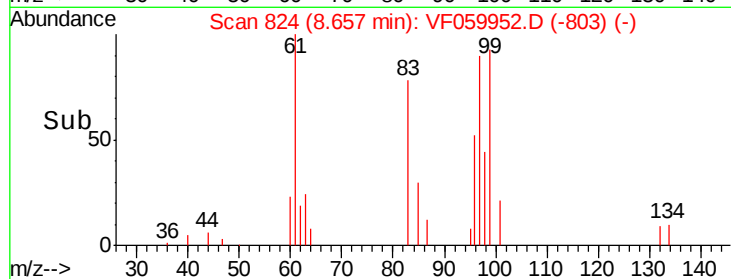
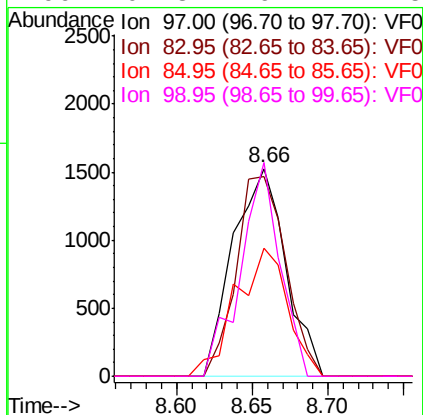
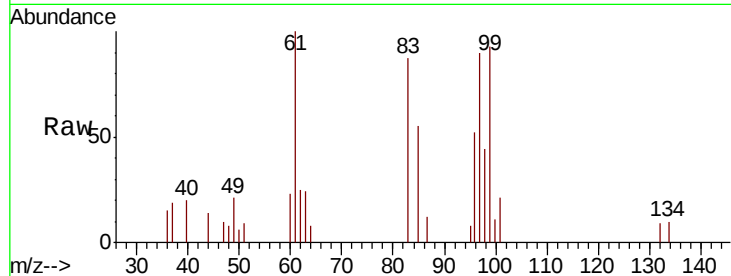
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	3701
Ion	Ratio	Lower	Upper
97	100		
83	95.9	70.0	105.0
85	61.4	45.2	67.8
99	102.8	49.7	74.5#

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#56

Ethyl methacrylate

Concen: 7.11 ug/l

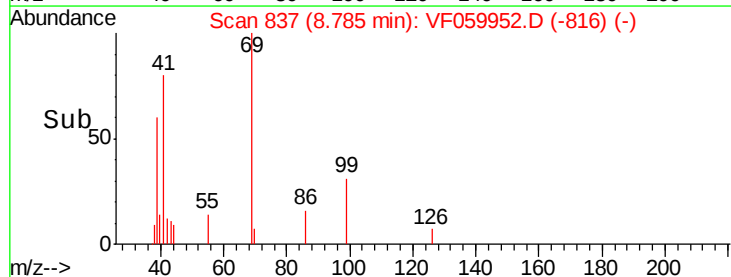
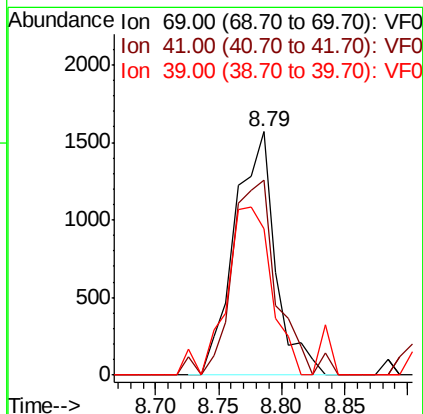
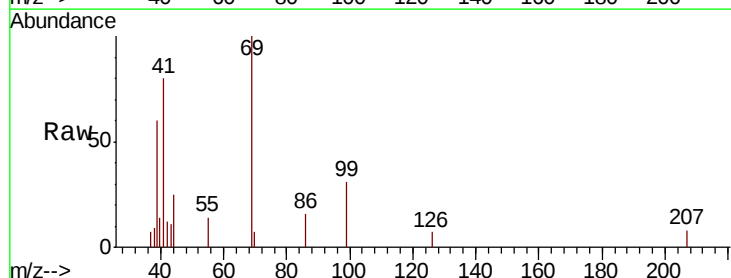
RT: 8.79 min Scan# 837

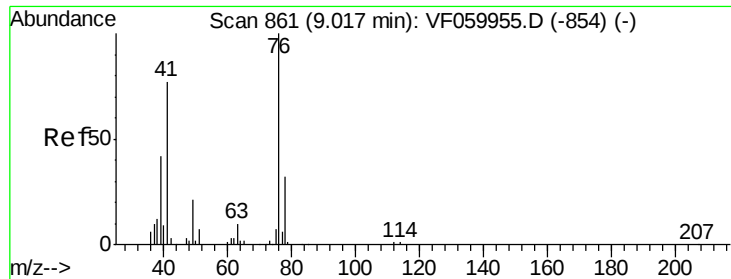
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	69	Resp:	3527
Ion	Ratio	Lower	Upper
69	100		
41	80.1	68.7	103.1
39	60.3	58.5	87.7





#57

1,3-Dichloropropane

Concen: 4.49 ug/l

RT: 9.02 min Scan# 861

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 6730

Ion Ratio Lower Upper

76 100

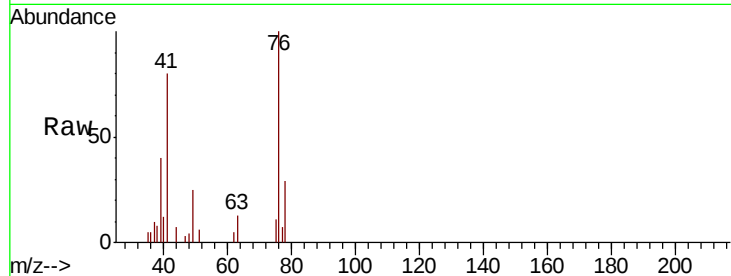
78 28.9 25.5 38.3

Manual Integrations

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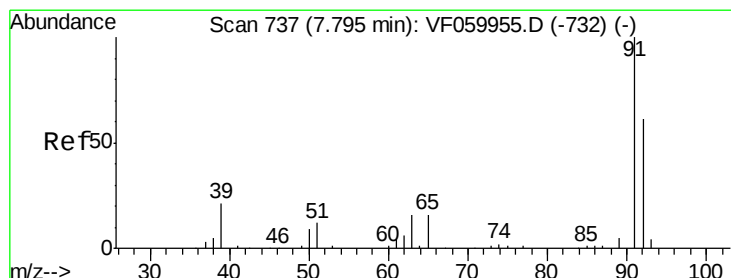
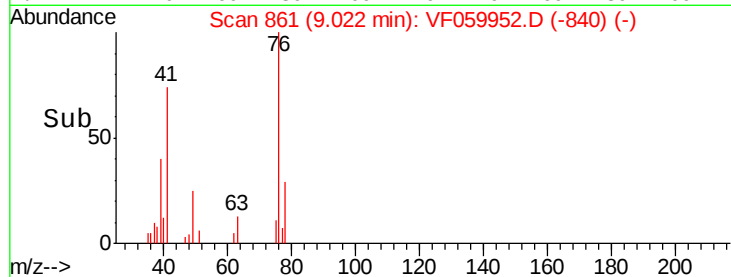
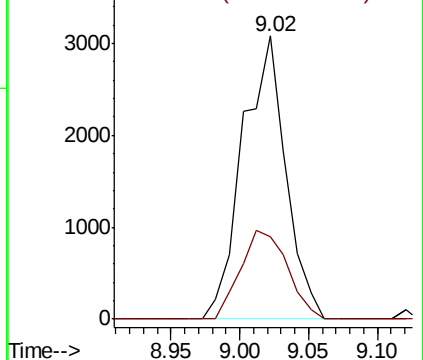
apatel

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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: 23.44 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.01 min

Lab File: VF059952.D

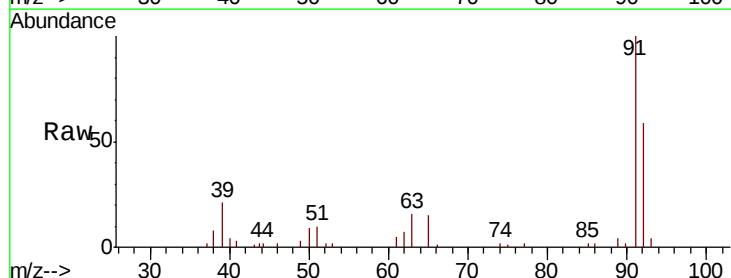
Acq: 14 Aug 2018 18:41

Tgt Ion: 63 Resp: 2678

Ion Ratio Lower Upper

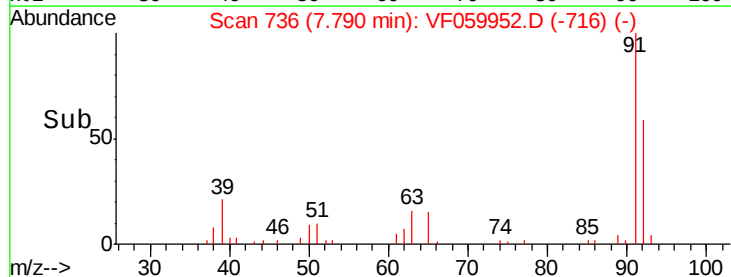
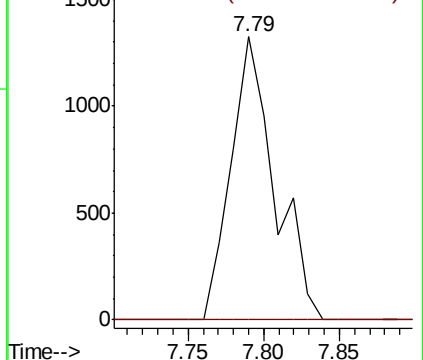
63 100

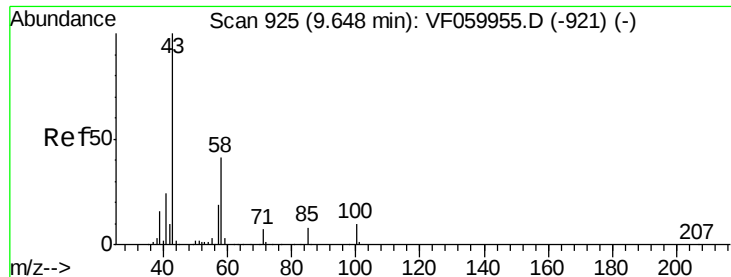
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





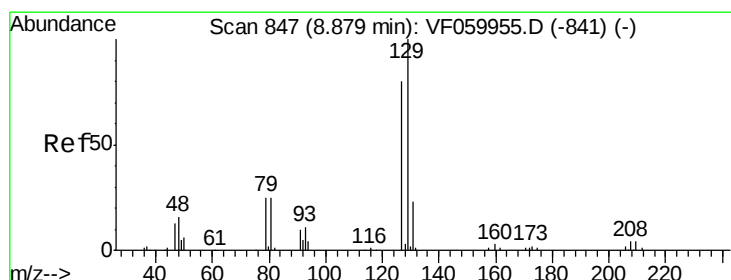
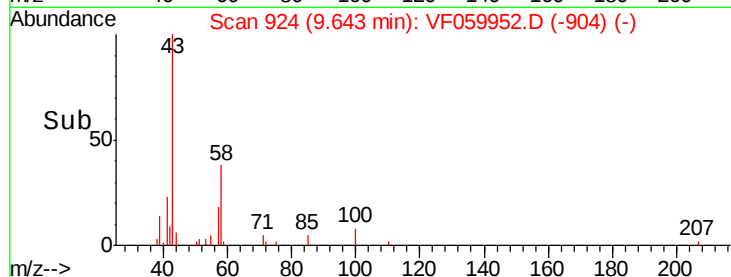
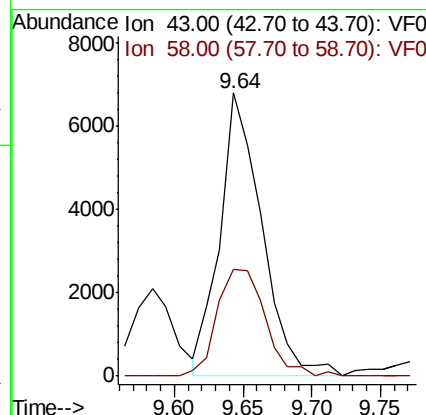
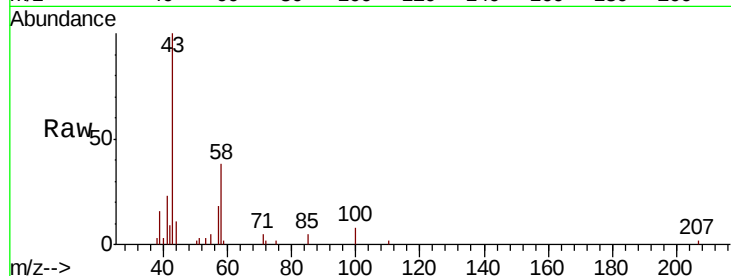
#59
2-Hexanone
Concen: 23.30 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	14371
Ion Ratio	43	100	Lower Upper
	58	37.9	19.4 58.2

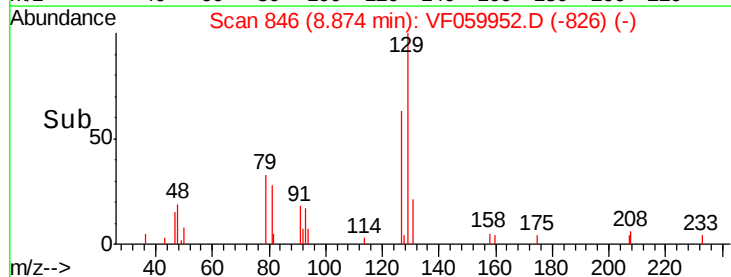
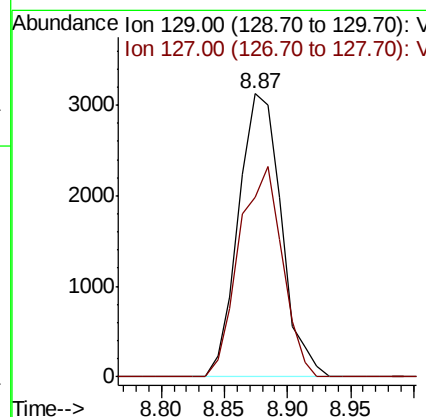
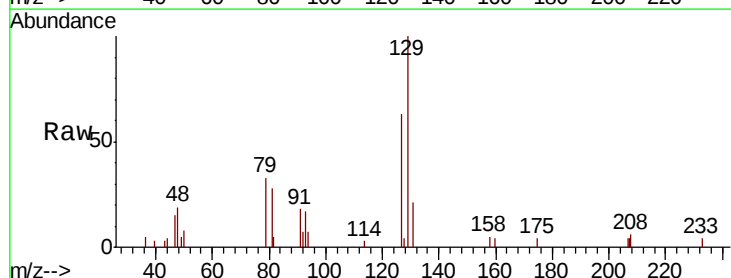
Manual Integrations
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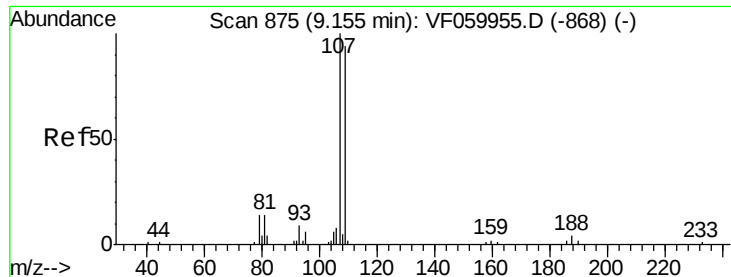
apatel
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#60
Dibromochloromethane
Concen: 4.53 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	129	Resp	7371
Ion Ratio	129	100	Lower Upper
	127	67.8	40.0 119.9





#61

1,2-Dibromoethane

Concen: 4.07 ug/l

RT: 9.15 min Scan# 874

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 4284

Ion Ratio Lower Upper

107 100

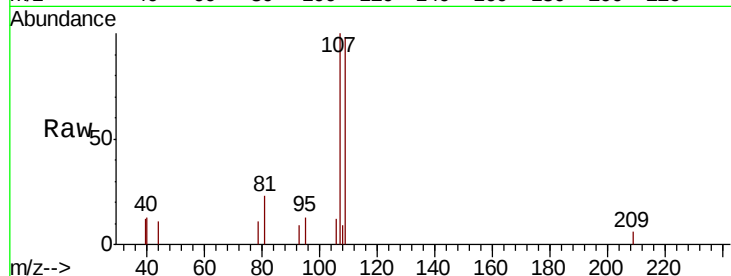
109 97.7 75.0 112.6

Manual Integrations

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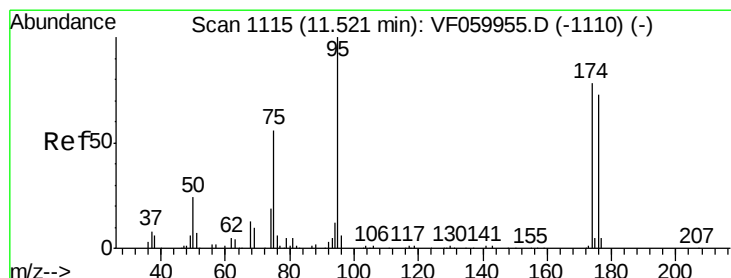
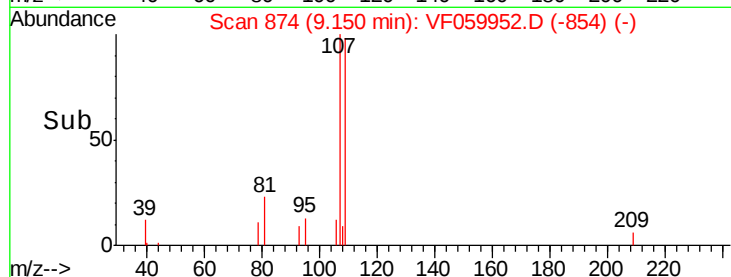
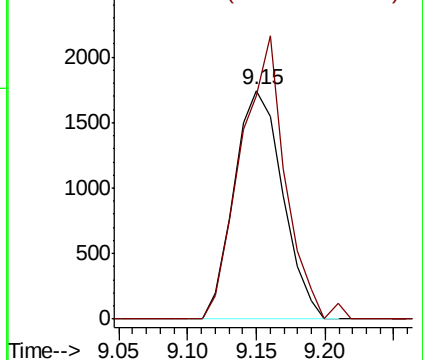
apatel

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 5.00 ug/l

RT: 11.53 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

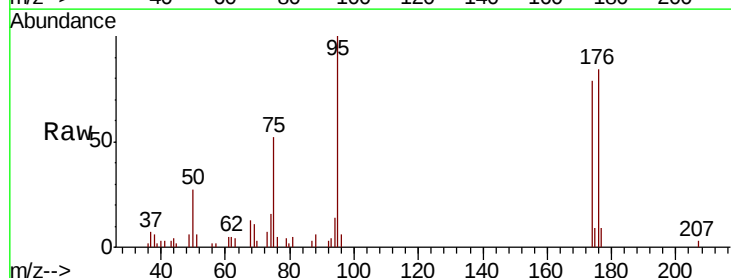
Tgt Ion: 95 Resp: 9930

Ion Ratio Lower Upper

95 100

174 79.1 0.0 156.4

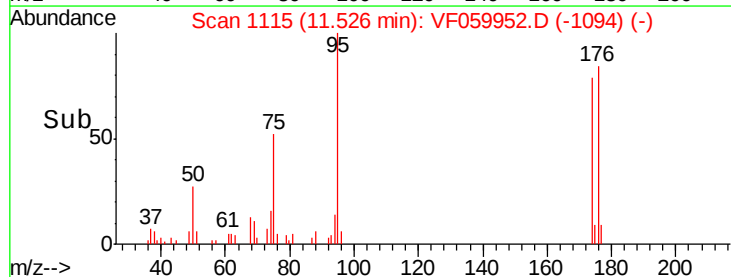
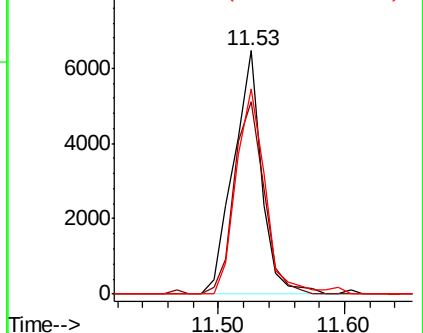
176 84.4 0.0 146.8

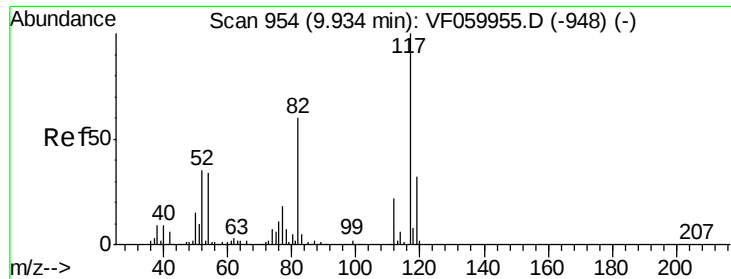


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





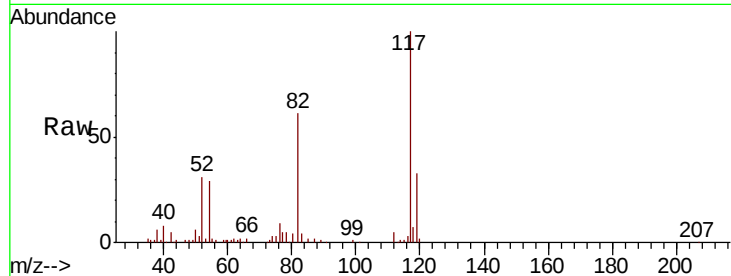
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.94 min Scan# 954
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	163153		
82	60.8	48.3	72.5	
119	33.2	25.7	38.5	

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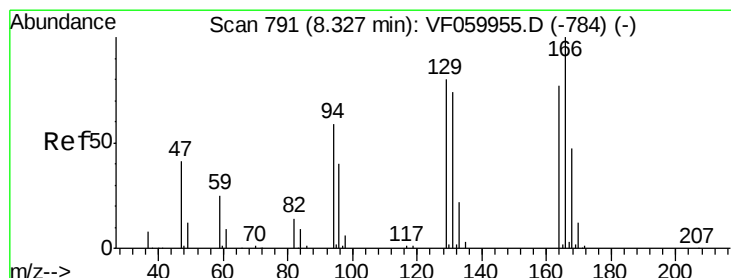
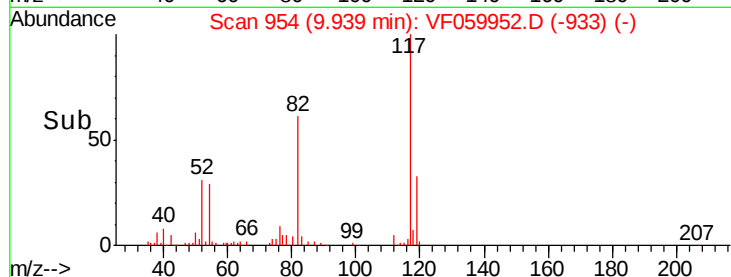
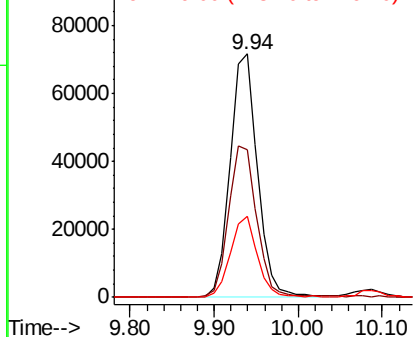


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



#64
Tetrachloroethene
Concen: 5.50 ug/l
RT: 8.32 min Scan# 790
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	7496		
166	127.2	103.4	155.2	
129	73.8	82.2	123.4#	
131	67.3	76.7	115.1#	

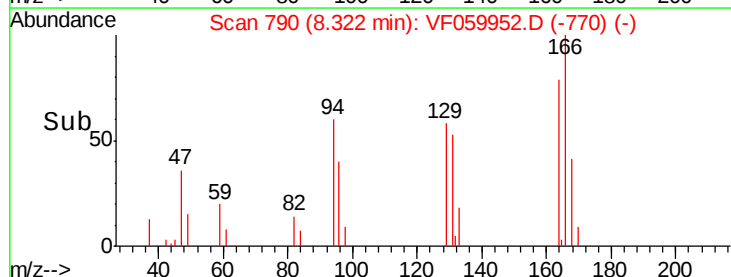
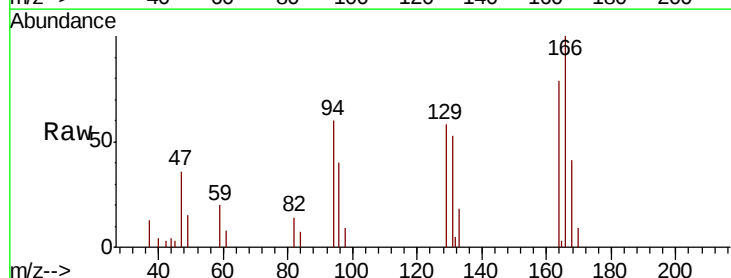
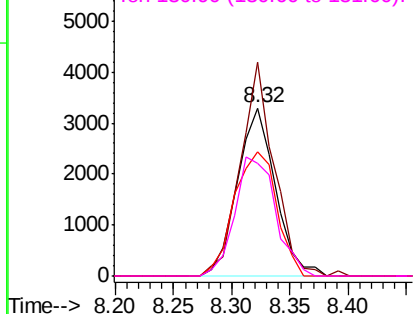
Abundance

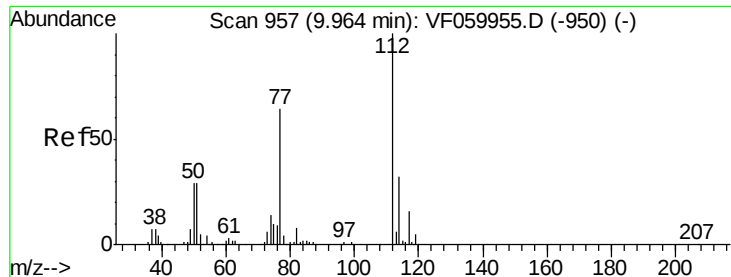
Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V





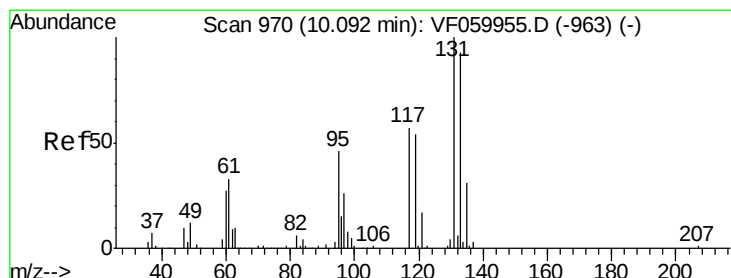
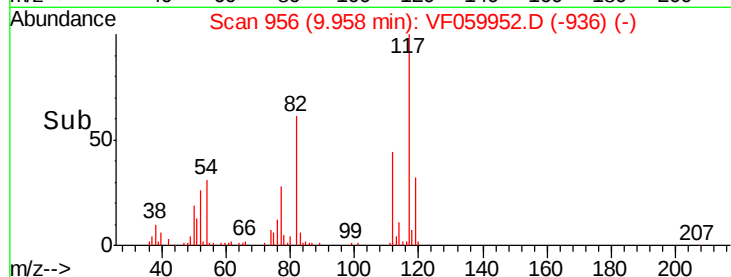
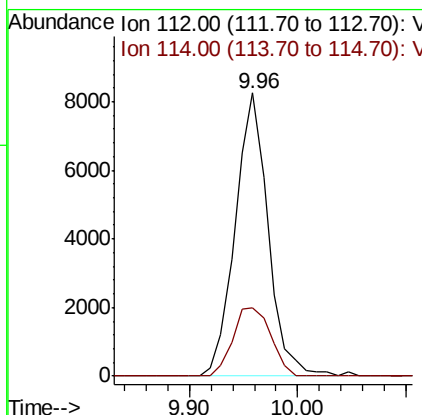
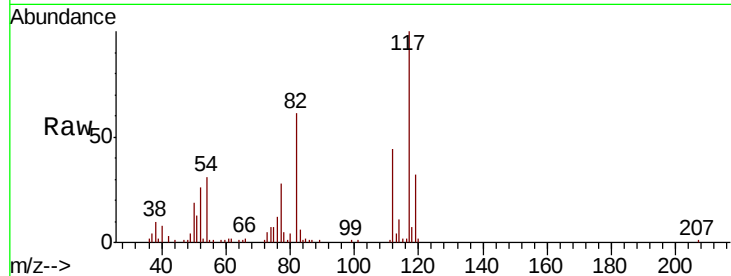
#65
Chlorobenzene
Concen: 5.34 ug/l
RT: 9.96 min Scan# 956
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 17444
Ion Ratio Lower Upper
112 100
114 24.0 25.8 38.6#

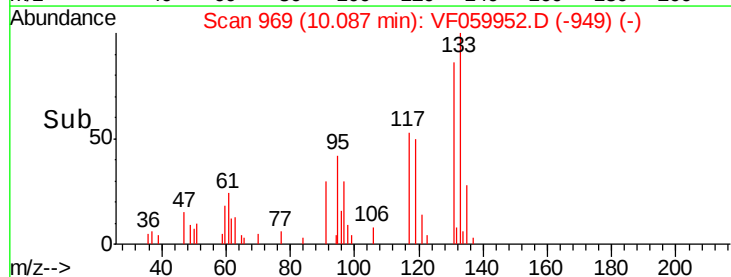
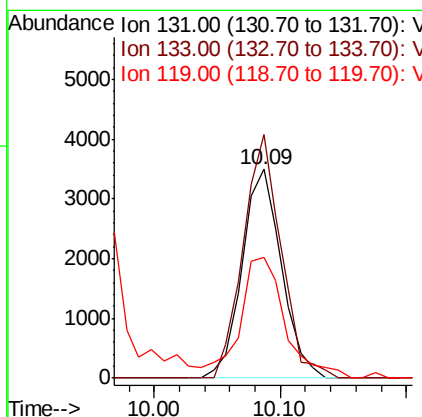
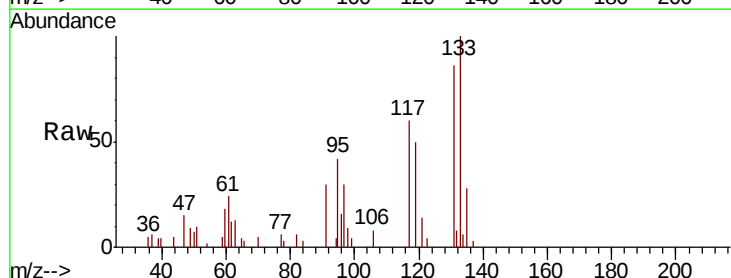
Manual Integrations
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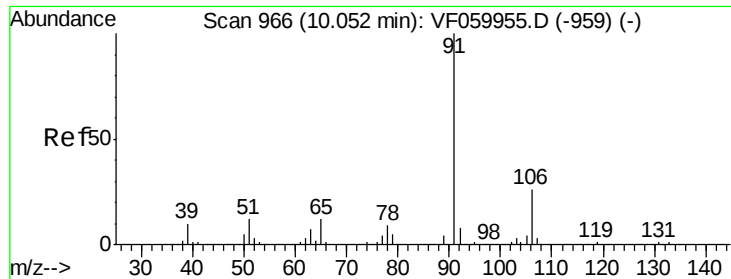
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 4.69 ug/l
RT: 10.09 min Scan# 969
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion:131 Resp: 7580
Ion Ratio Lower Upper
131 100
133 116.8 46.4 139.1
119 57.9 27.2 81.5





#67

Ethyl Benzene

Concen: 5.06 ug/l

RT: 10.06 min Scan# 966

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 28600

Ion Ratio Lower Upper

91 100

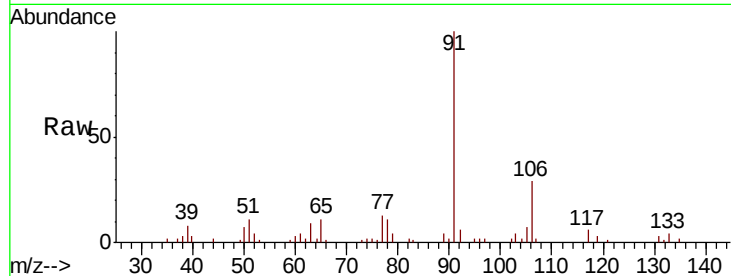
106 29.4 20.7 31.1

Manual Integrations

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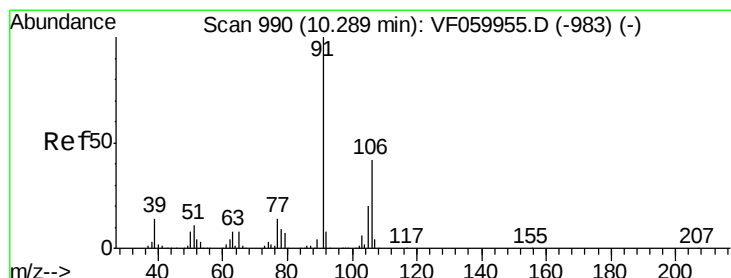
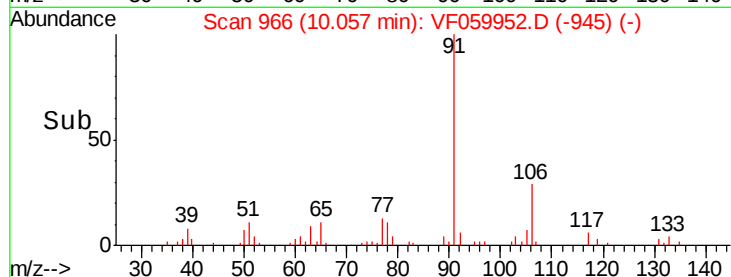
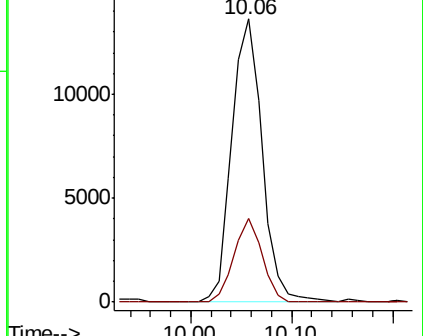
apatel

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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: 10.26 ug/l

RT: 10.28 min Scan# 989

Delta R.T. -0.01 min

Lab File: VF059952.D

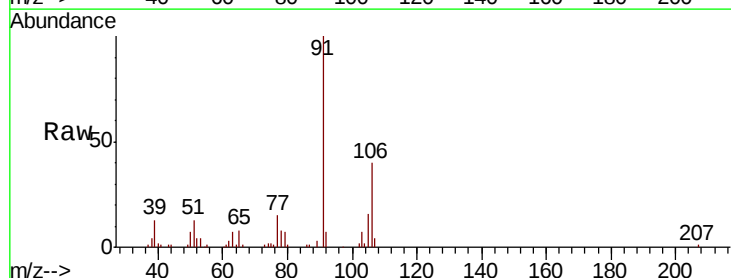
Acq: 14 Aug 2018 18:41

Tgt Ion: 106 Resp: 20068

Ion Ratio Lower Upper

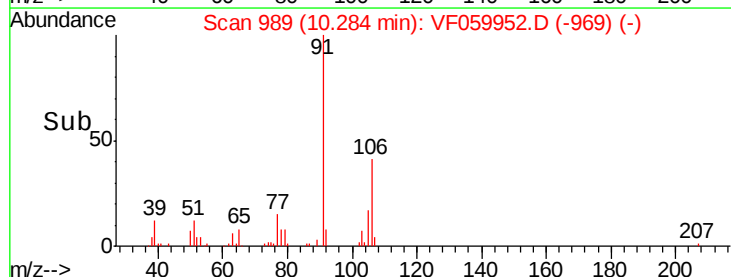
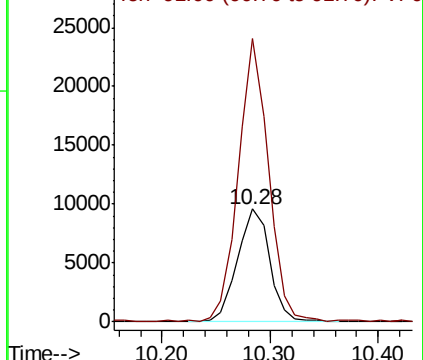
106 100

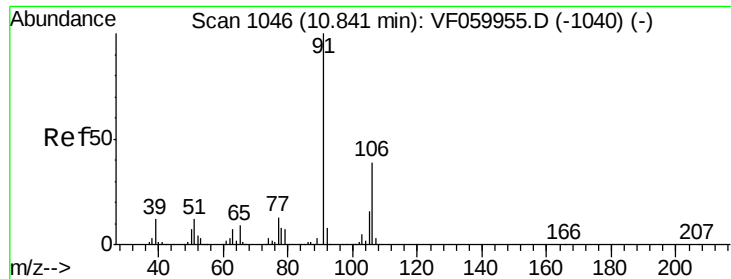
91 250.9 191.8 287.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





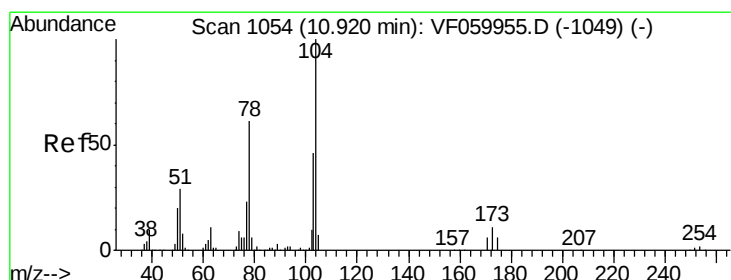
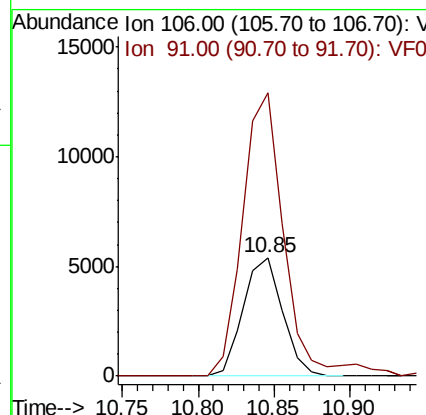
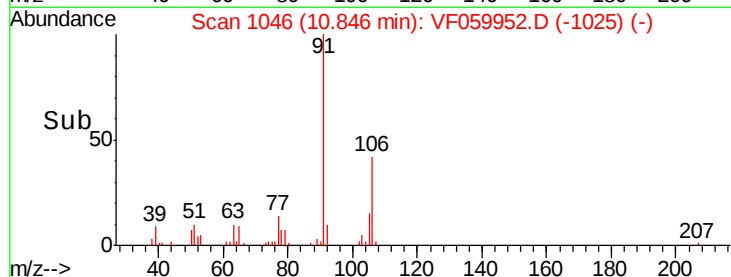
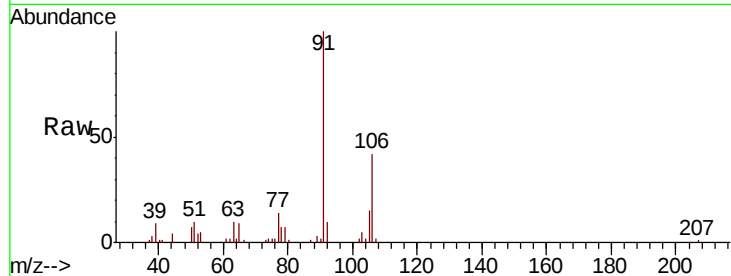
#69
o-Xylene
Concen: 4.78 ug/l
RT: 10.85 min Scan# 1046
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	239.0	126.8	380.6

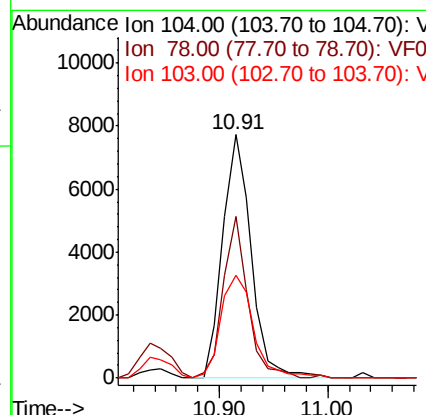
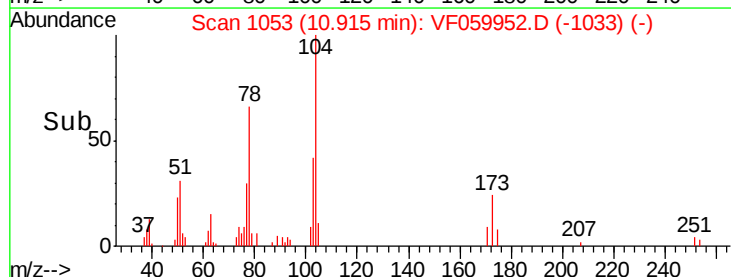
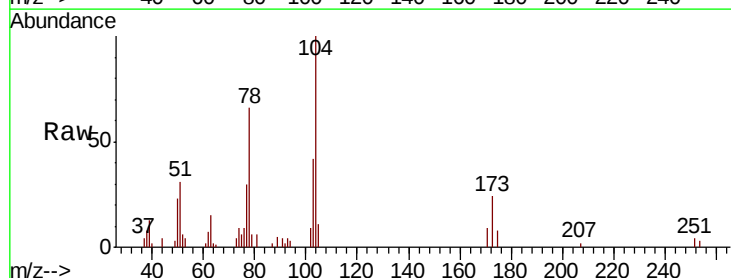
Manual Integrations
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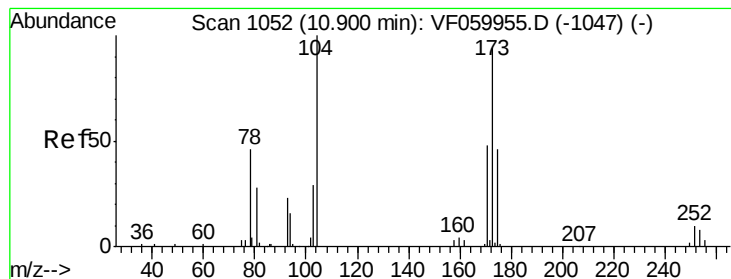
apatel
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#70
Styrene
Concen: 4.57 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	66.4	49.2	73.8
103	42.2	37.4	56.0





#71

Bromoform

Concen: 5.01 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:173 Resp: 4993

Ion Ratio Lower Upper

173 100

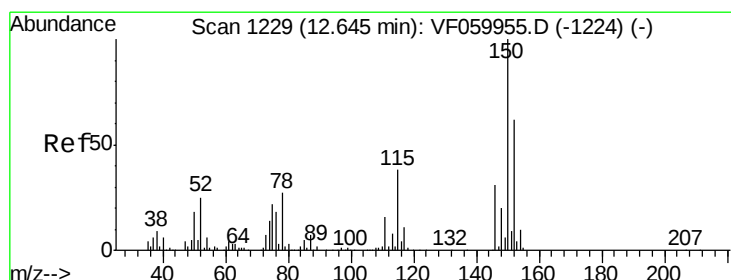
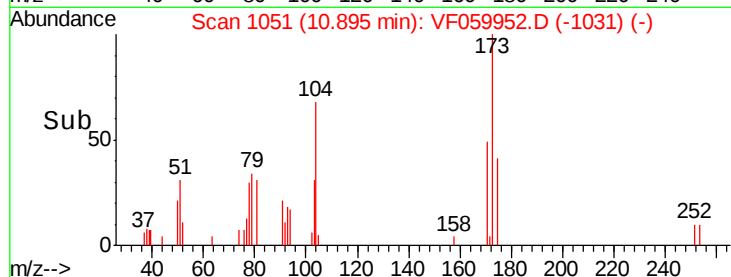
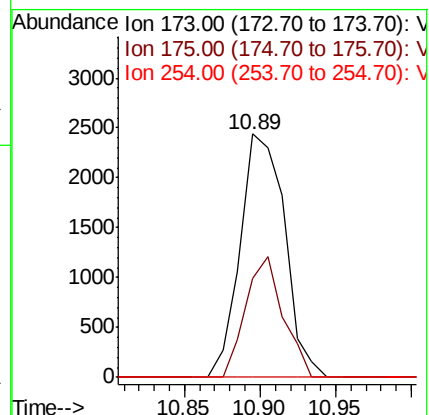
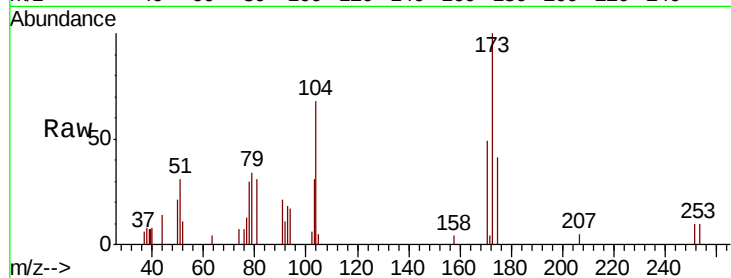
175 40.8 24.6 73.6

254 0.0 0.0 0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

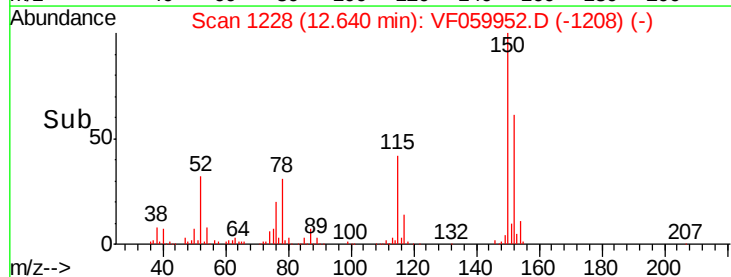
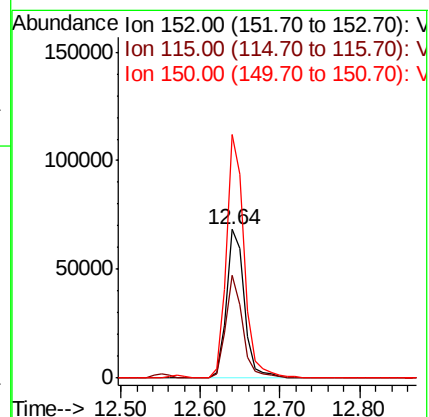
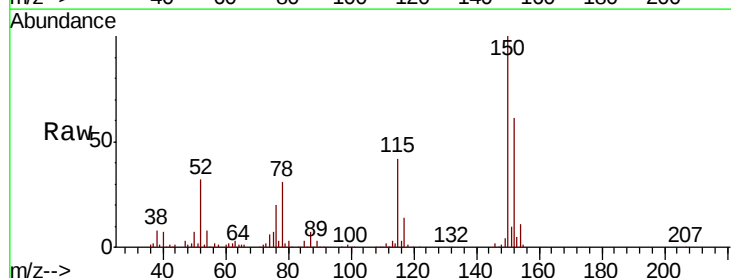
Tgt Ion:152 Resp: 109233

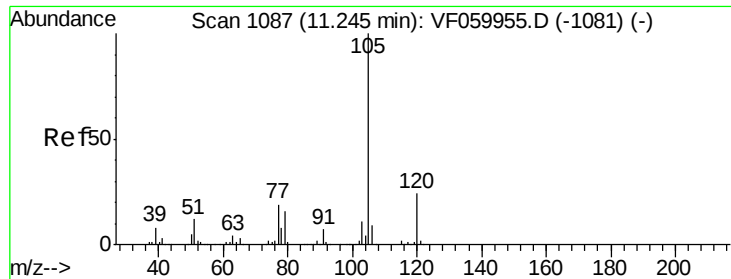
Ion Ratio Lower Upper

152 100

115 69.3 31.4 94.0

150 163.8 0.0 326.2





#73

Isopropylbenzene

Concen: 4.77 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 32251

Ion Ratio Lower Upper

105 100

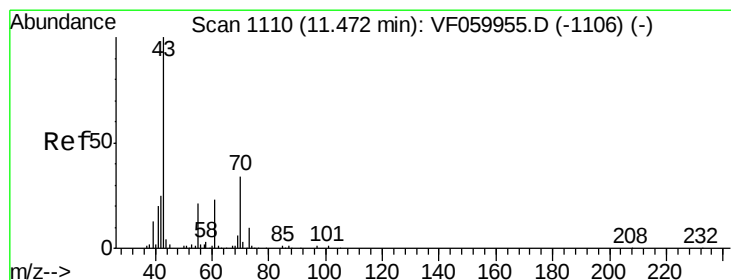
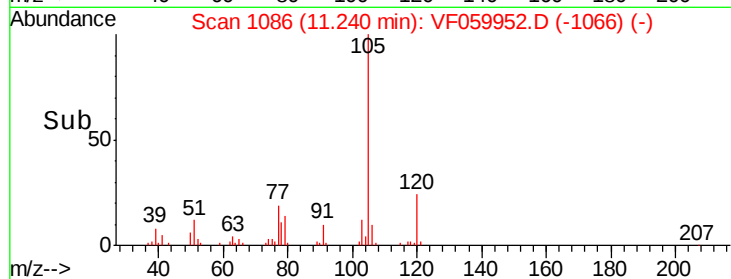
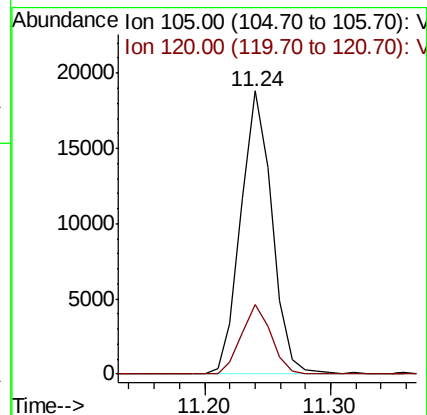
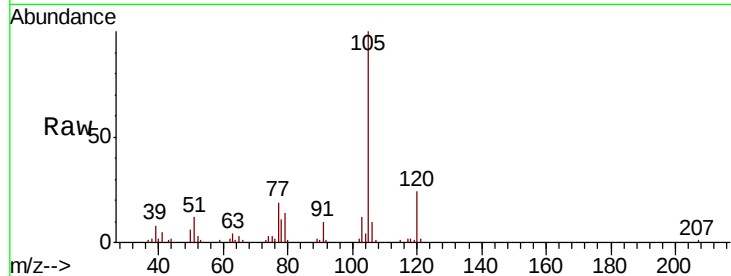
120 24.4 11.9 35.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 6.56 ug/l

RT: 11.48 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion: 43 Resp: 6391

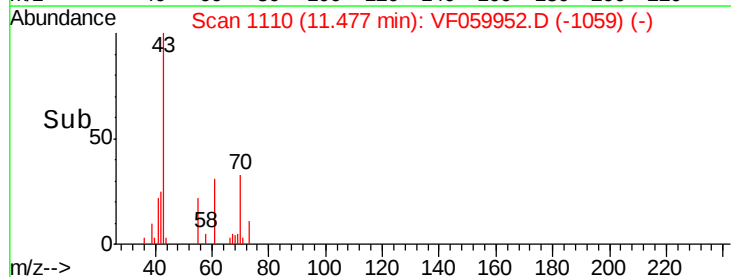
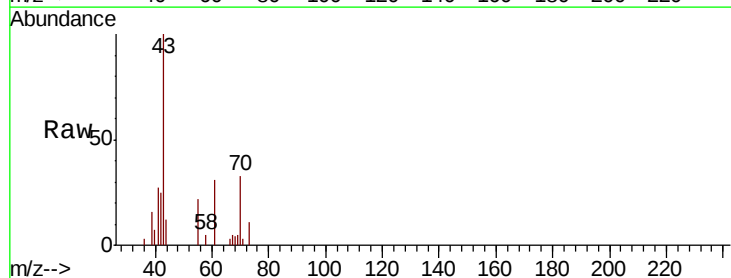
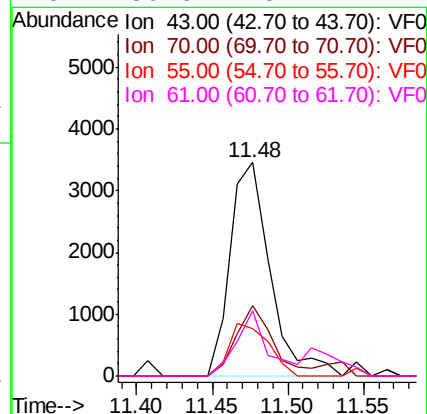
Ion Ratio Lower Upper

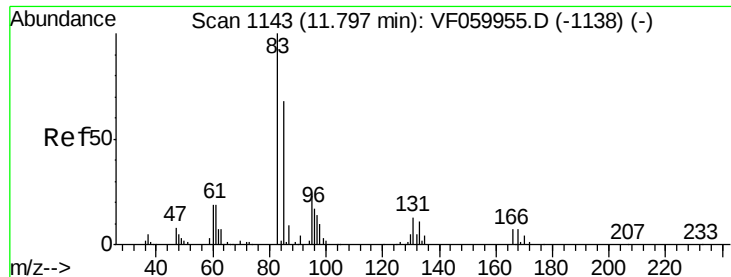
43 100

70 33.0 26.9 40.3

55 22.1 16.9 25.3

61 30.6 18.1 27.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.92 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

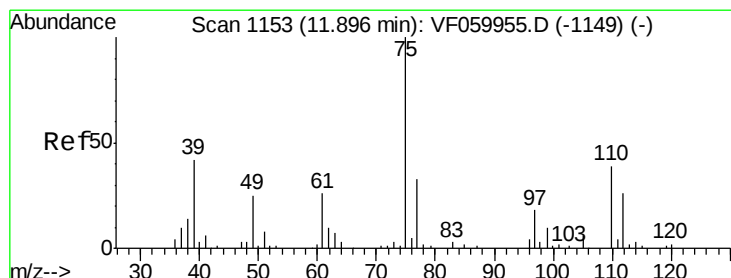
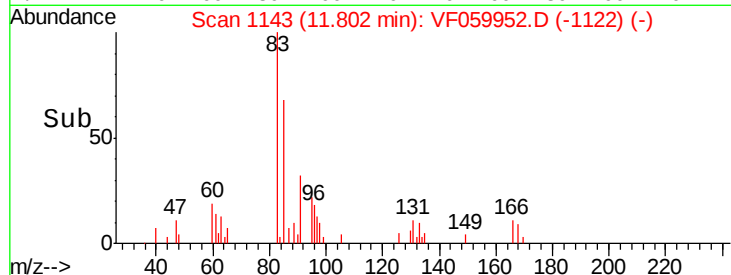
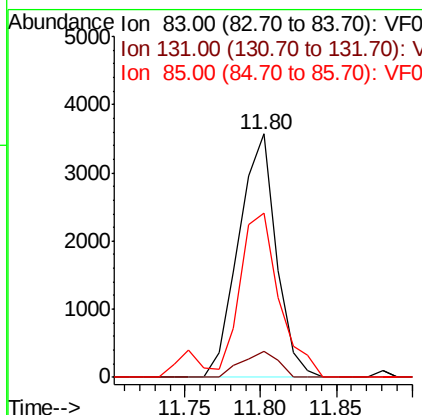
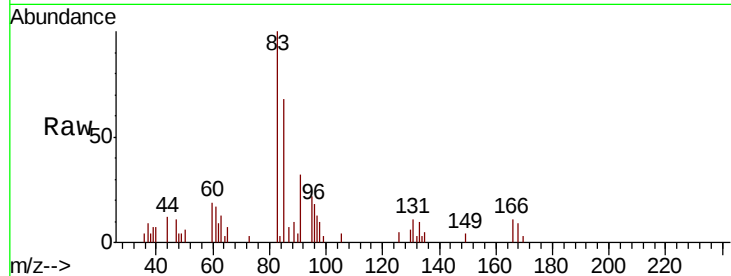
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	6204
Ion Ratio	Lower	Upper	
83	100		
131	10.6	6.3	19.1
85	67.5	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 4.39 ug/l

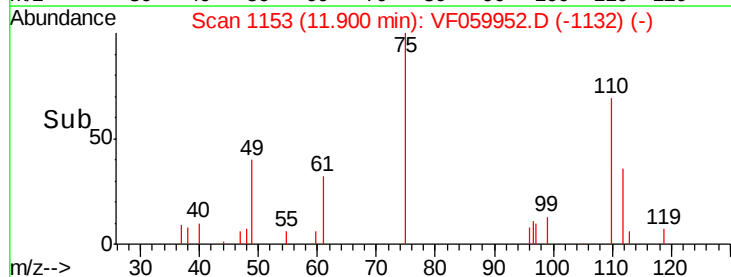
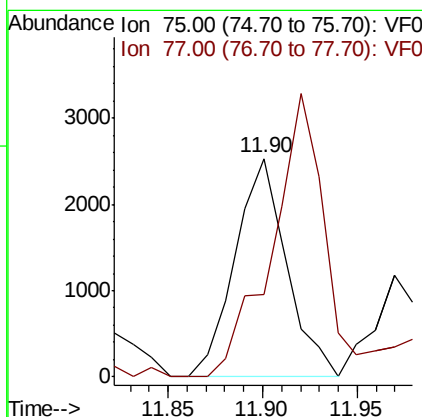
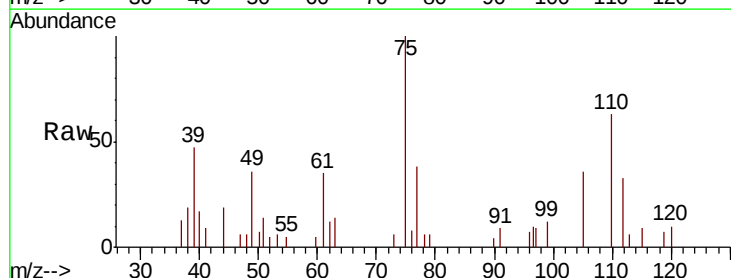
RT: 11.90 min Scan# 1153

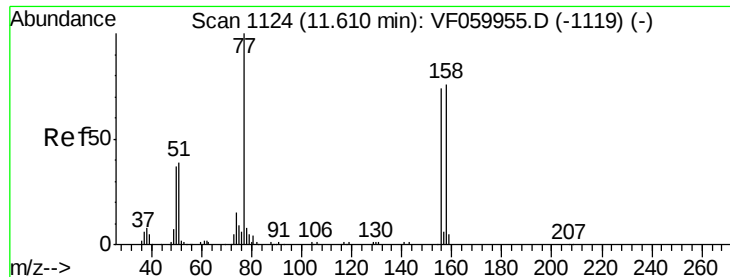
Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	75	Resp:	4778
Ion Ratio	Lower	Upper	
75	100		
77	37.9	16.6	49.7





#77

Bromobenzene

Concen: 4.82 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 8887

Ion Ratio Lower Upper

156 100

77 132.0 67.8 203.2

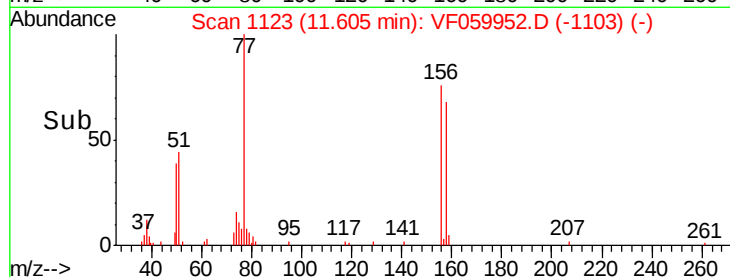
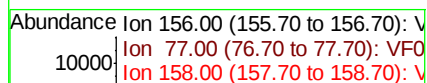
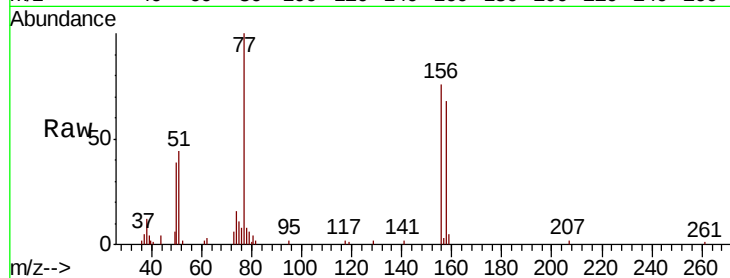
158 89.9 51.7 155.2

Manual Integrations

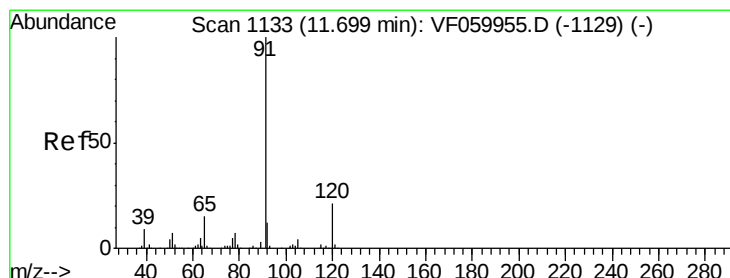
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Time-->



#78

n-propylbenzene

Concen: 5.10 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. 0.00 min

Lab File: VF059952.D

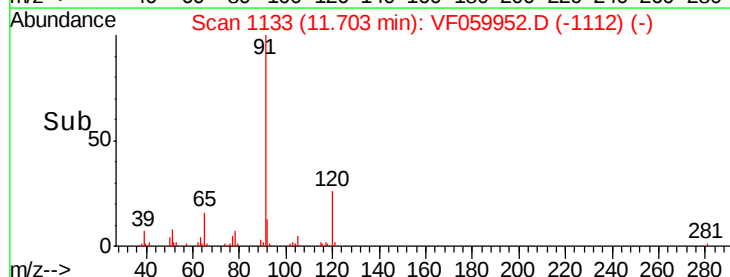
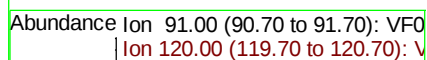
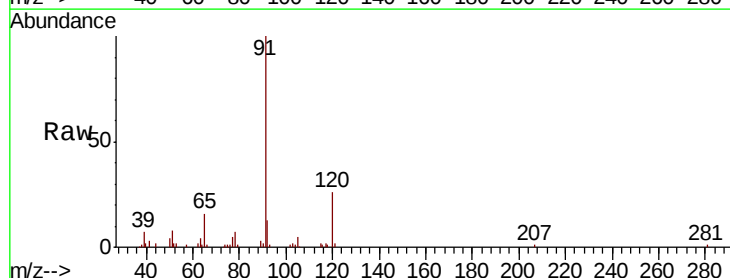
Acq: 14 Aug 2018 18:41

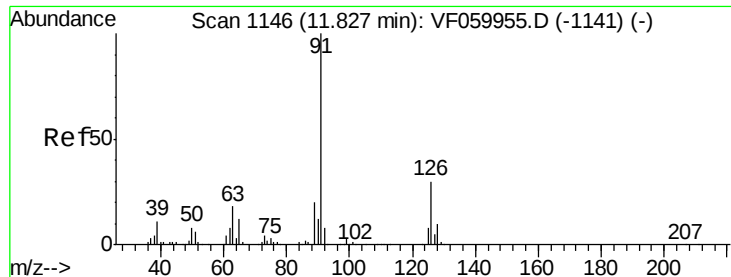
Tgt Ion: 91 Resp: 40795

Ion Ratio Lower Upper

91 100

120 26.0 10.4 31.1





#79

2-Chlorotoluene

Concen: 5.17 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 26029

Ion Ratio Lower Upper

91 100

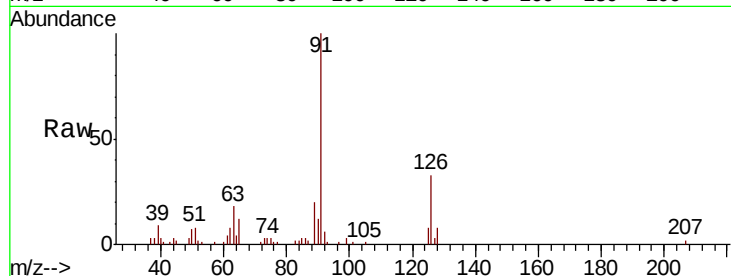
126 32.5 15.2 45.5

Manual Integrations

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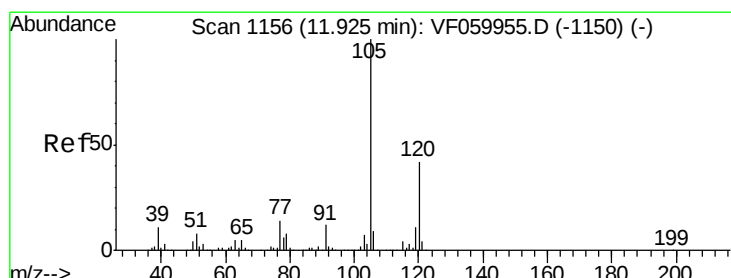
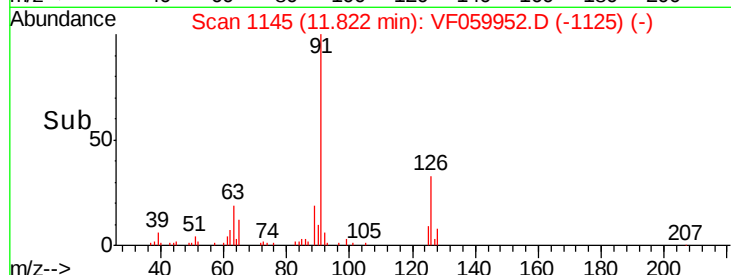
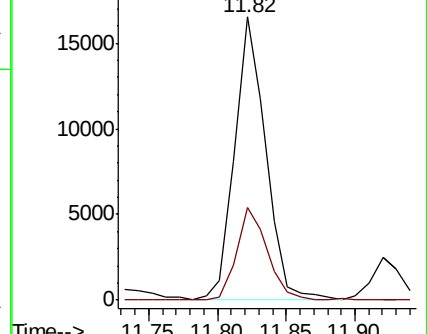
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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 5.07 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VF059952.D

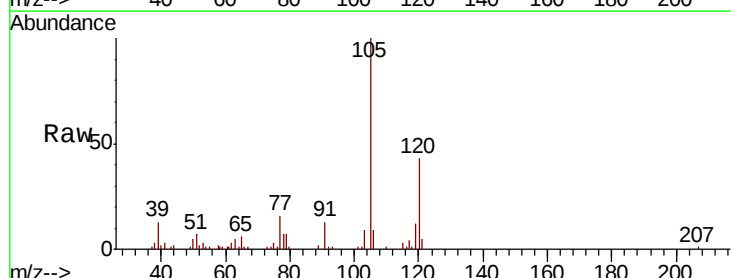
Acq: 14 Aug 2018 18:41

Tgt Ion:105 Resp: 31832

Ion Ratio Lower Upper

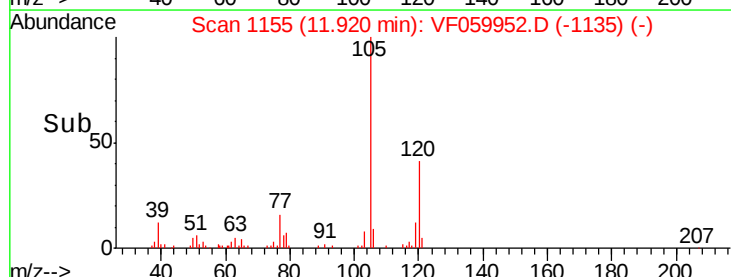
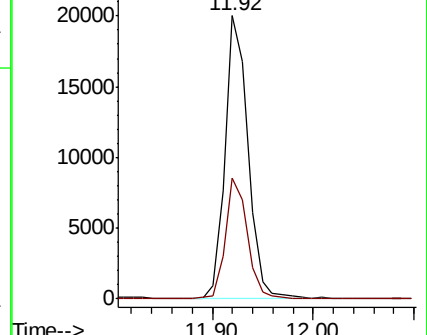
105 100

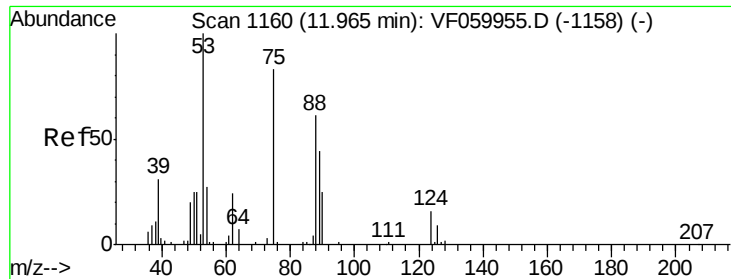
120 42.7 21.1 63.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.78 ug/l m

RT: 11.97 min Scan# 1160

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

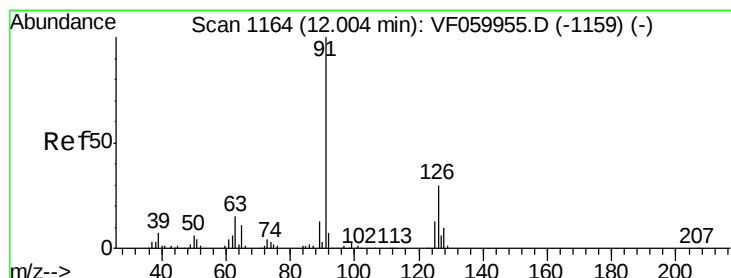
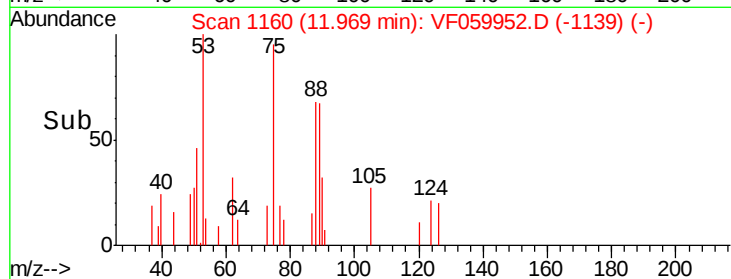
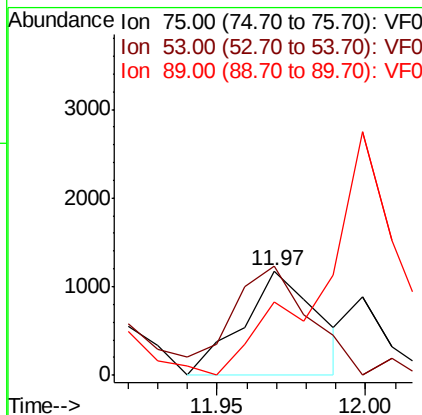
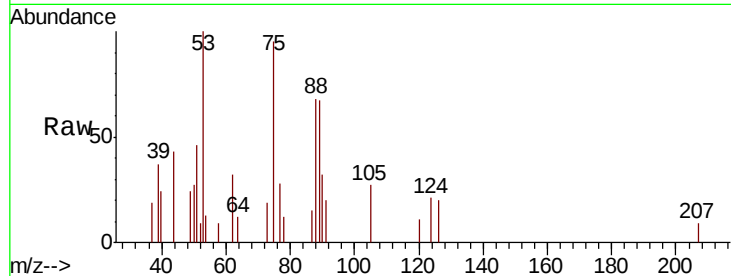
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	2066
Ion	Ratio	Lower	Upper
75	100		
53	104.8	97.1	145.7
89	70.2	43.6	65.4#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 5.46 ug/l

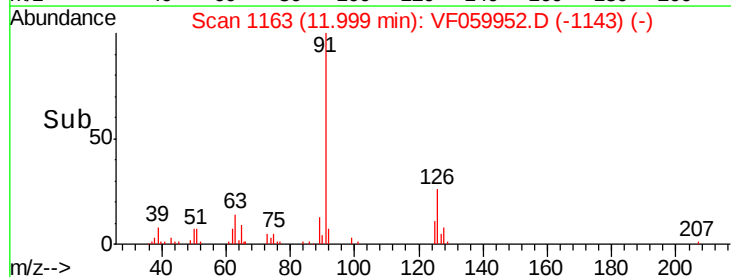
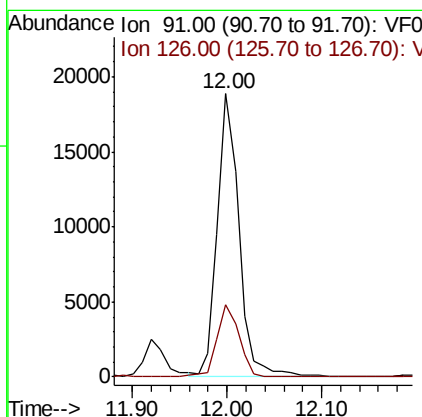
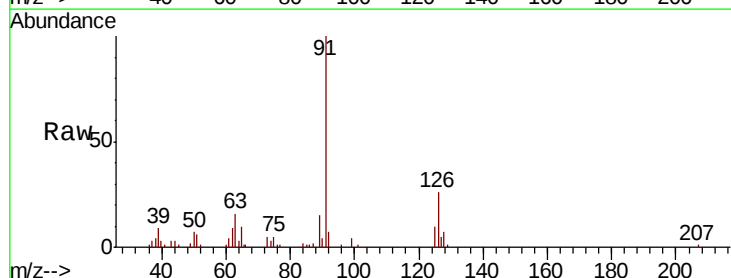
RT: 12.00 min Scan# 1163

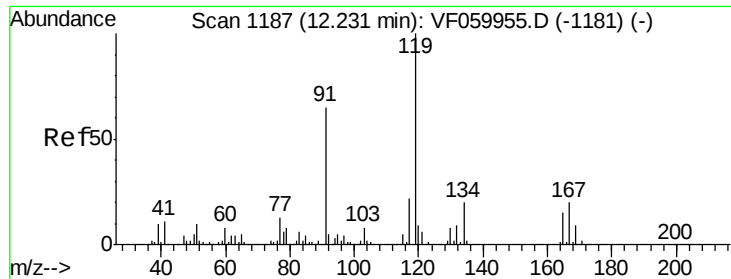
Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	91	Resp:	30195
Ion	Ratio	Lower	Upper
91	100		
126	25.5	15.3	45.8





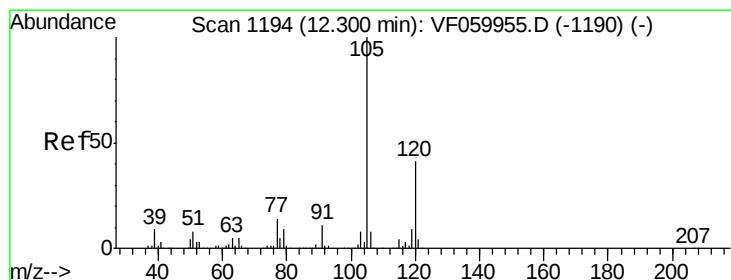
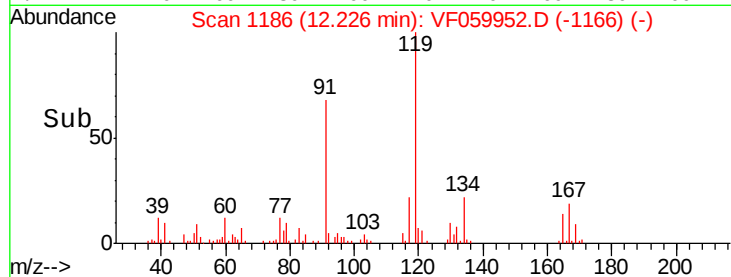
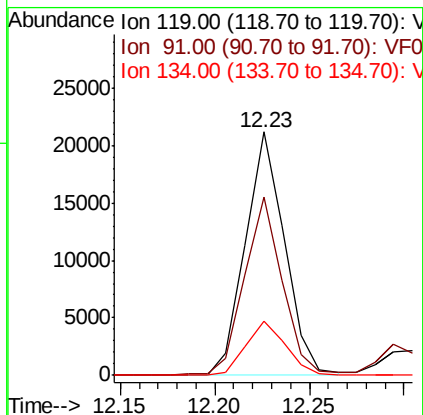
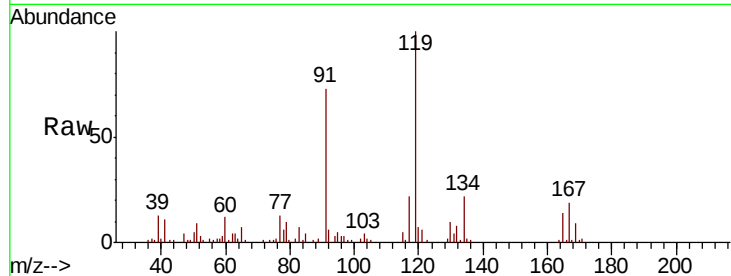
#83
 tert-Butylbenzene
 Concen: 4.96 ug/l
 RT: 12.23 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	73.3	32.6	98.0
134	22.3	10.1	30.3

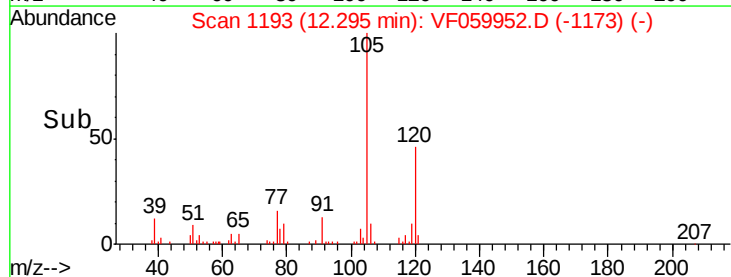
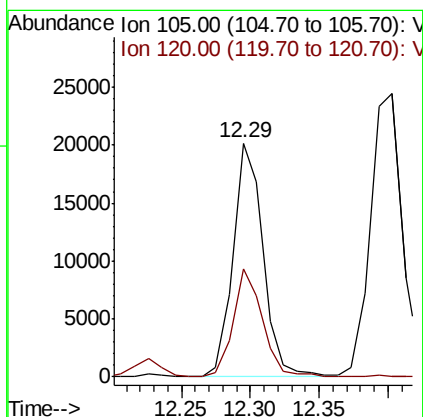
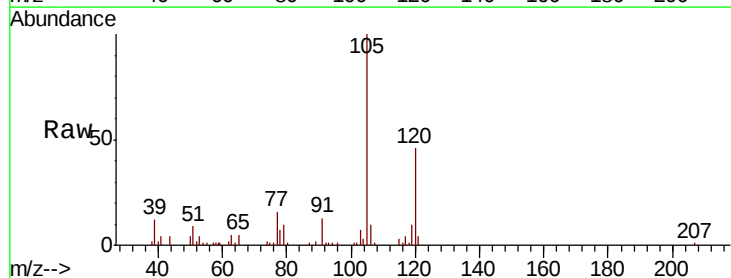
Manual Integrations
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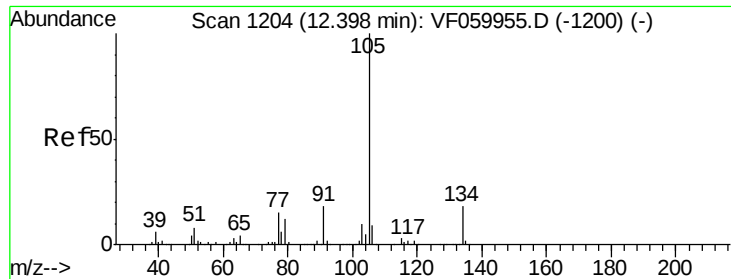
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.72 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	20.6	61.9





#85

sec-Butylbenzene

Concen: 4.90 ug/l

RT: 12.40 min Scan# 1204

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 39961

Ion Ratio Lower Upper

105 100

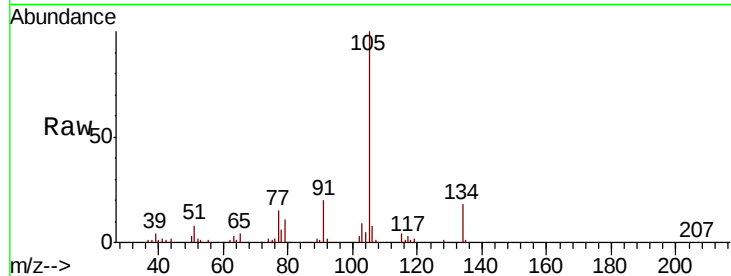
134 17.8 8.9 26.7

Manual Integrations

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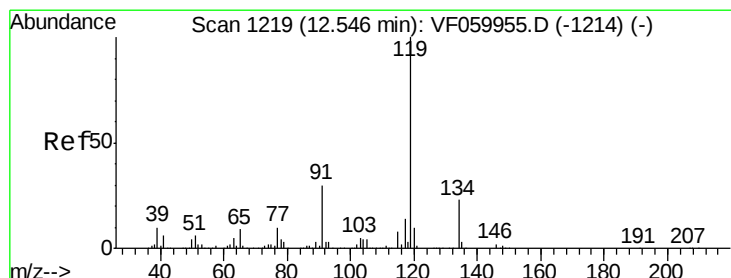
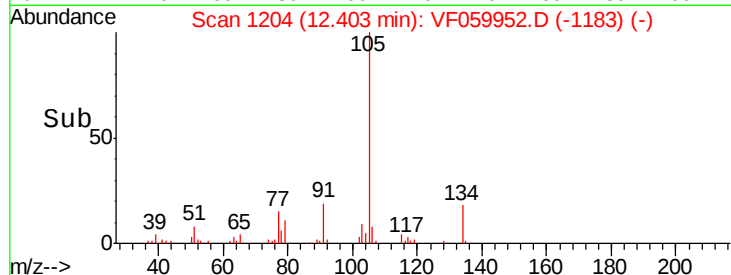
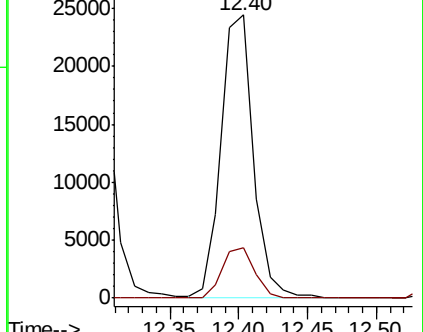
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.90 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

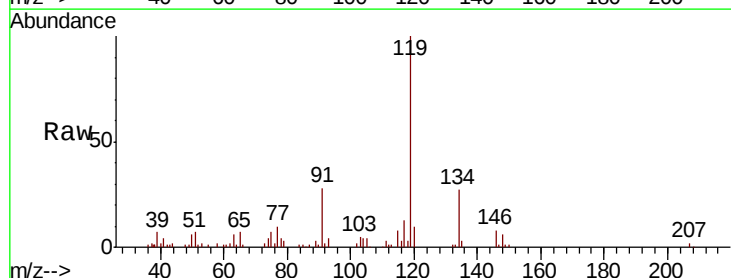
Tgt Ion:119 Resp: 33464

Ion Ratio Lower Upper

119 100

134 27.3 11.4 34.2

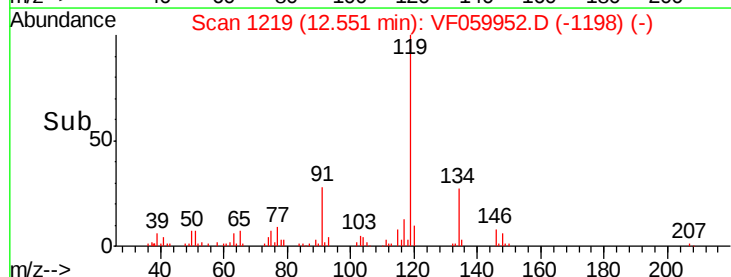
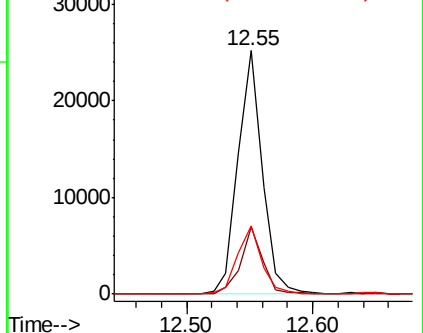
91 28.1 14.8 44.4

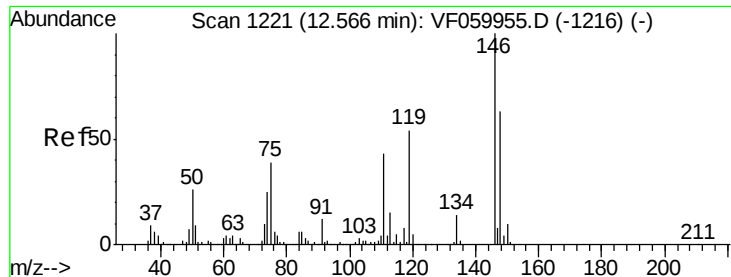


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





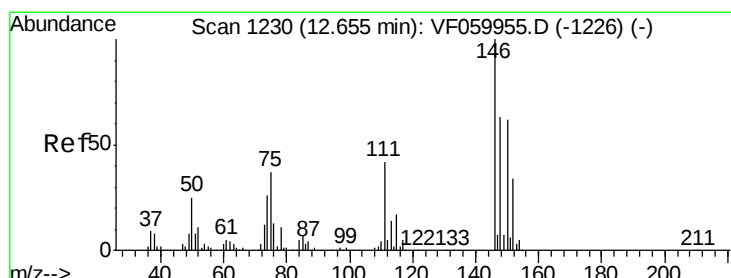
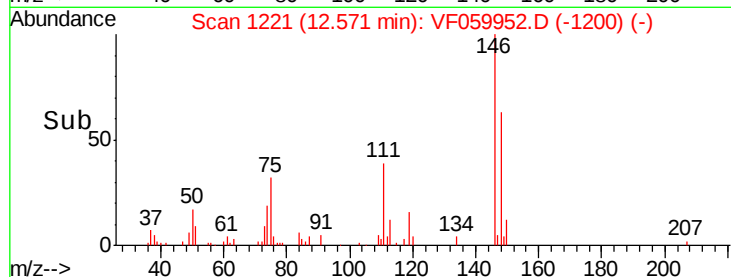
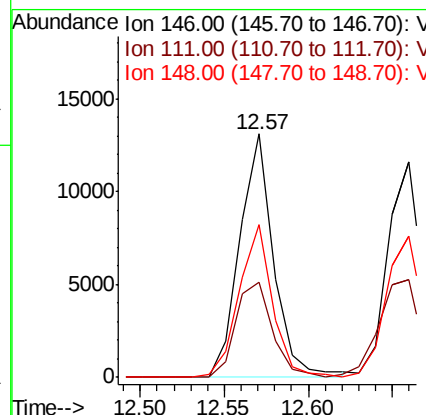
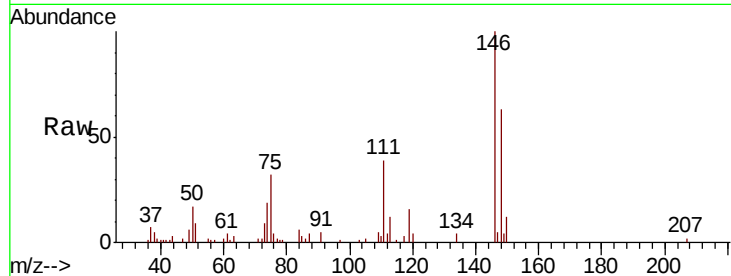
#87
 1,3-Dichlorobenzene
 Concen: 5.26 ug/l
 RT: 12.57 min Scan# 1221
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.3	63.9
148	62.5	31.4	94.3

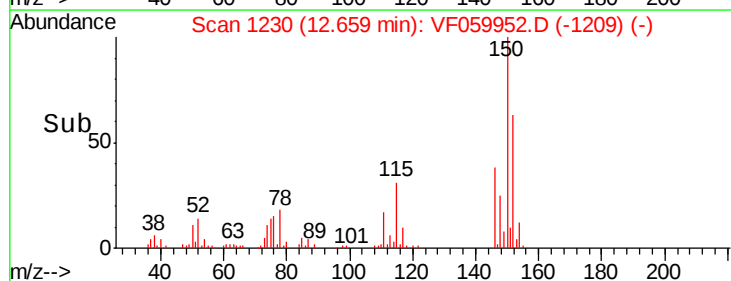
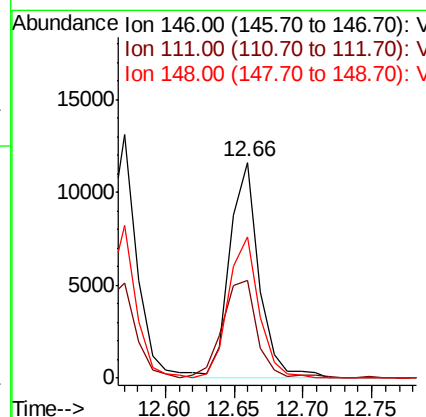
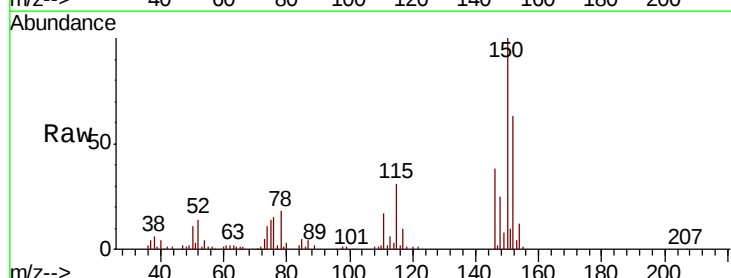
Manual Integrations
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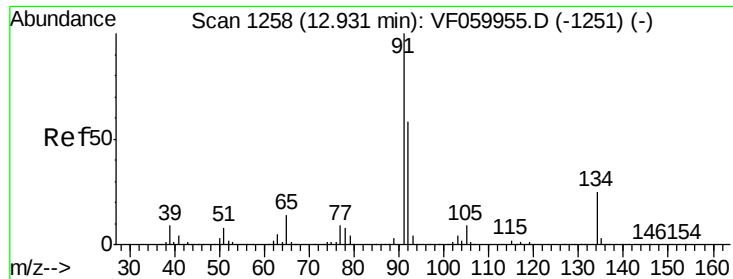
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 5.03 ug/l
 RT: 12.66 min Scan# 1230
 Delta R.T. 0.00 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.1	63.1
148	65.5	31.7	95.1





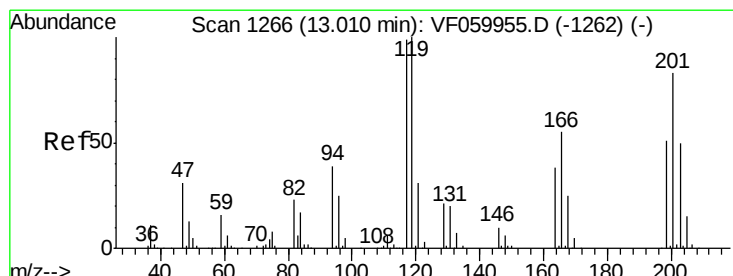
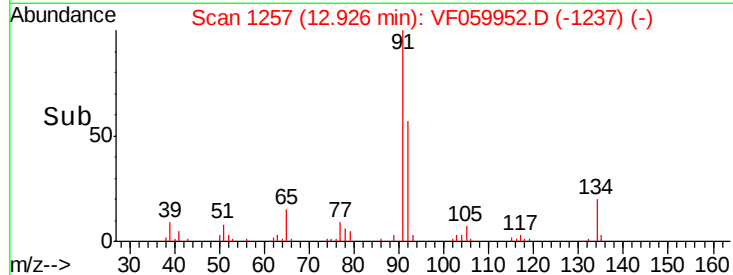
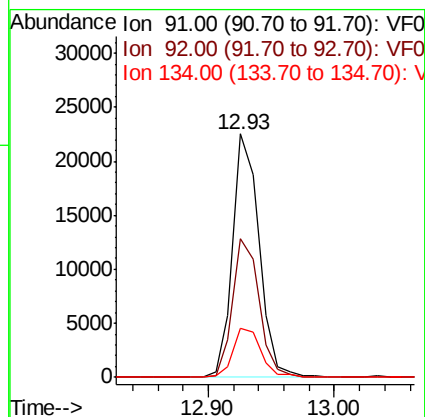
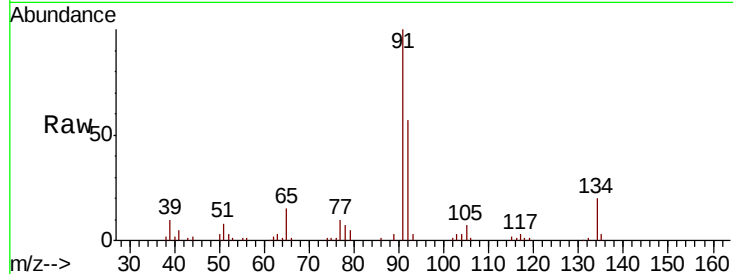
#89
n-Butylbenzene
Concen: 4.94 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	91	Resp:	32551
Ion Ratio	Lower	Upper	
91	100		
92	57.1	29.2	87.6
134	19.9	12.8	38.3

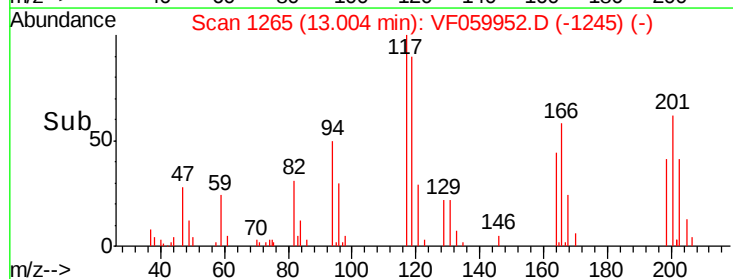
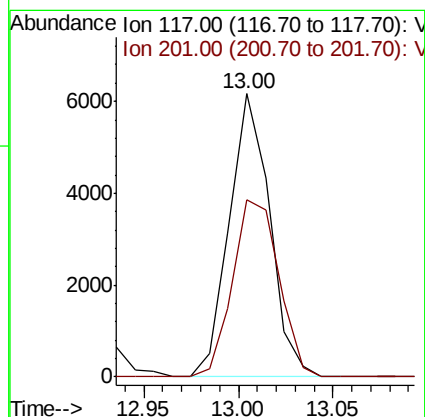
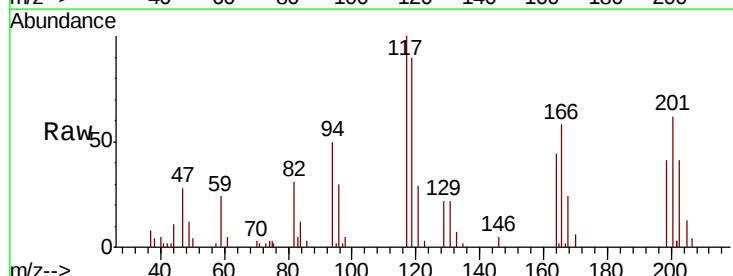
Manual Integrations
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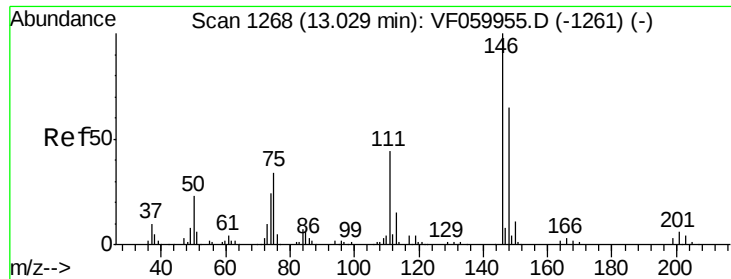
apatel
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#90
Hexachloroethane
Concen: 4.89 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion:	117	Resp:	9109
Ion Ratio	Lower	Upper	
117	100		
201	65.1	41.8	125.3





#91

1,2-Dichlorobenzene

Concen: 5.37 ug/l

RT: 13.03 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Instrument :

MSVOA_F

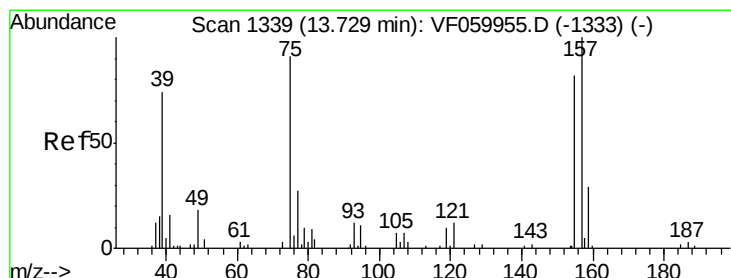
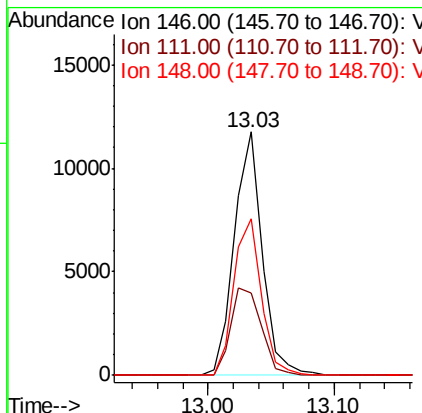
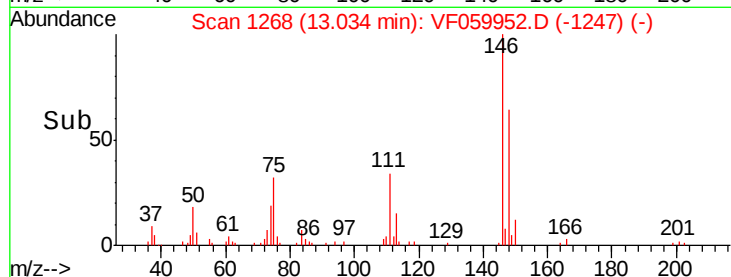
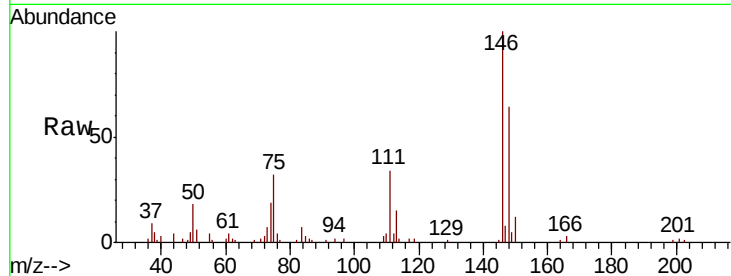
ClientSampleId :

VSTDIC005

Tot Ion:	146	Resp:	17954
Ion Ratio	Lower	Upper	
146	100		
111	34.0	22.0	66.0
148	64.5	32.4	97.0

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#92

1,2-Dibromo-3-Chloropropane

Concen: 4.05 ug/l

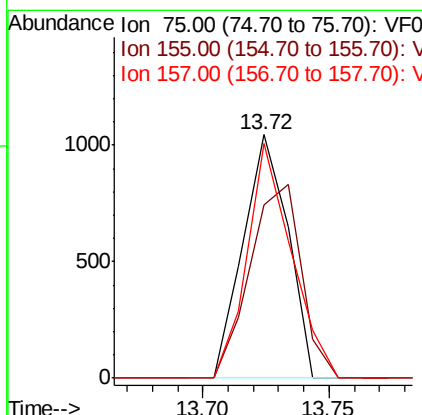
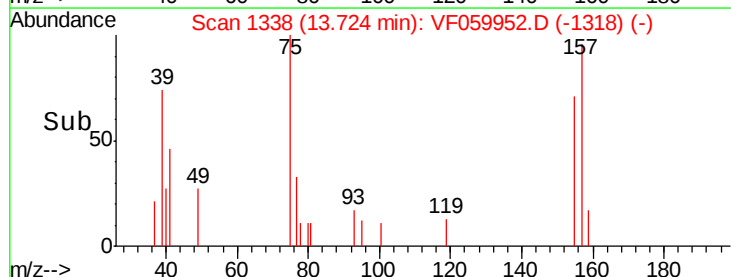
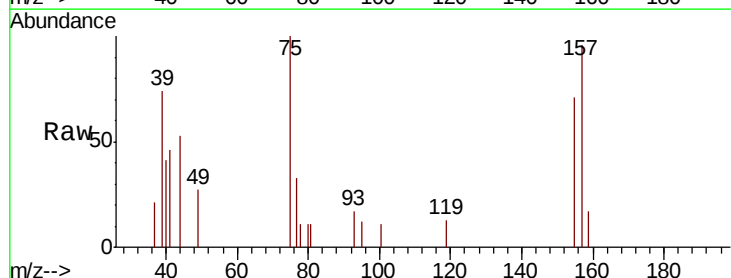
RT: 13.72 min Scan# 1338

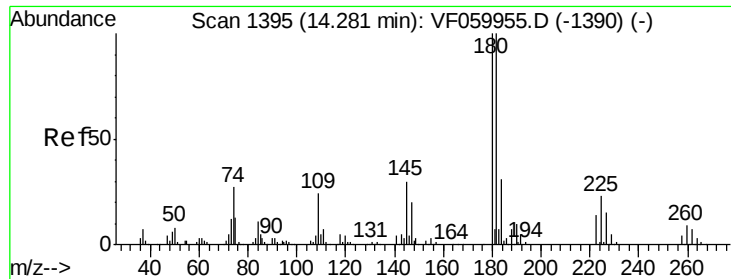
Delta R.T. -0.01 min

Lab File: VF059952.D

Acq: 14 Aug 2018 18:41

Tgt Ion:	75	Resp:	1287
Ion Ratio	Lower	Upper	
75	100		
155	71.1	44.6	134.0
157	96.2	54.8	164.3





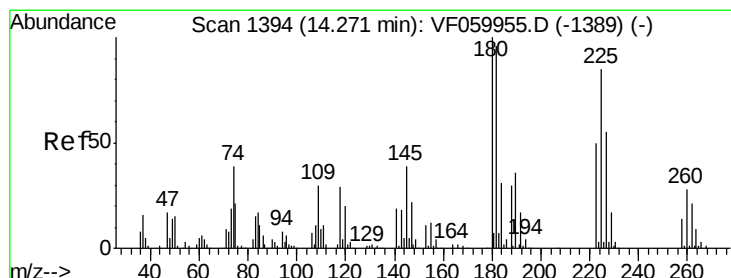
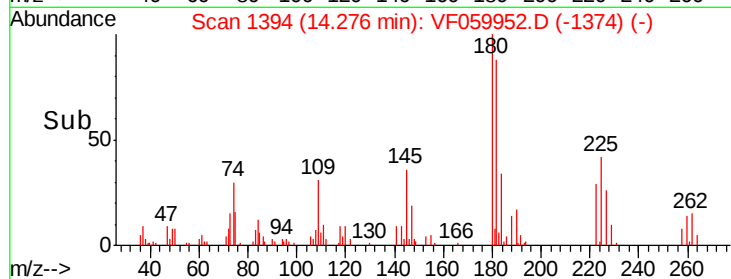
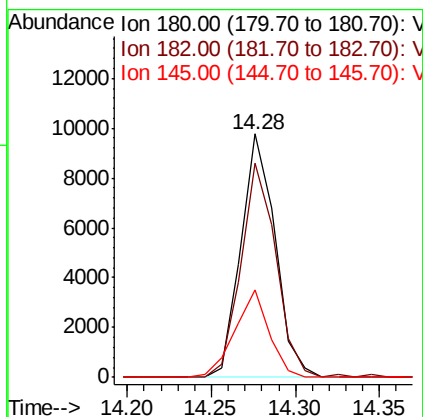
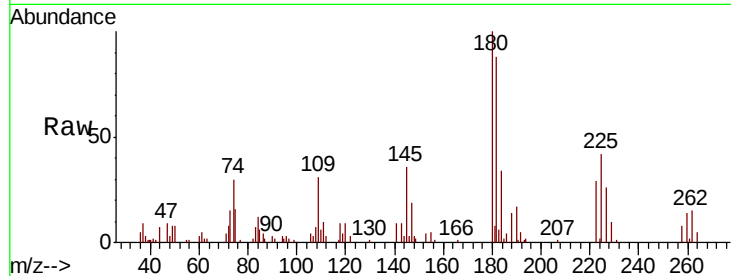
#93
 1,2,4-Trichlorobenzene
 Concen: 5.35 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	50.2	150.7
145	35.8	14.9	44.9

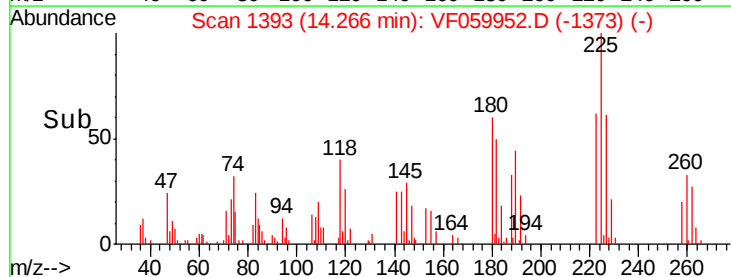
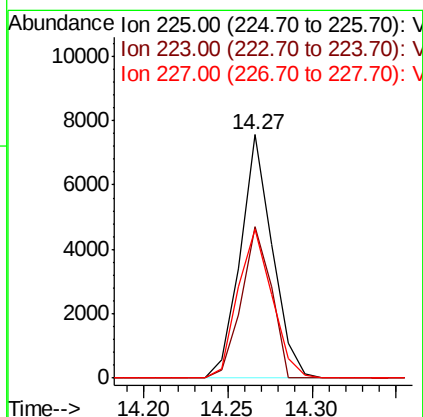
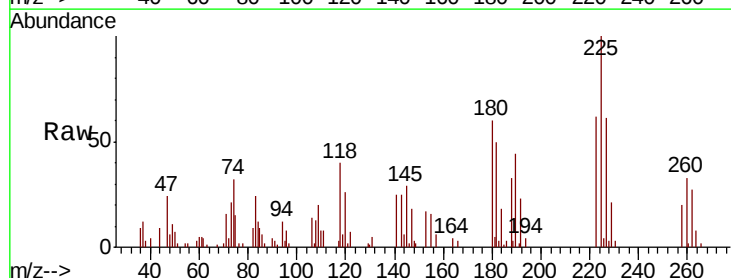
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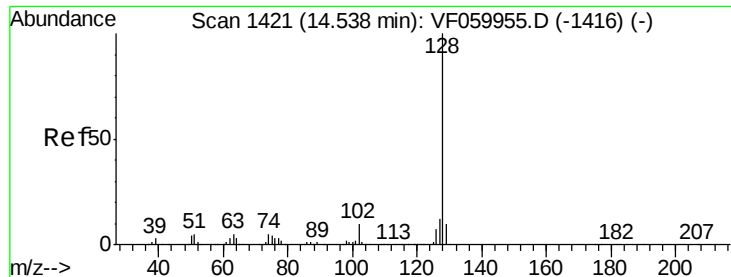
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#94
 Hexachlorobutadiene
 Concen: 5.48 ug/l
 RT: 14.27 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: VF059952.D
 Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.1	29.6	88.8
227	61.1	32.5	97.5





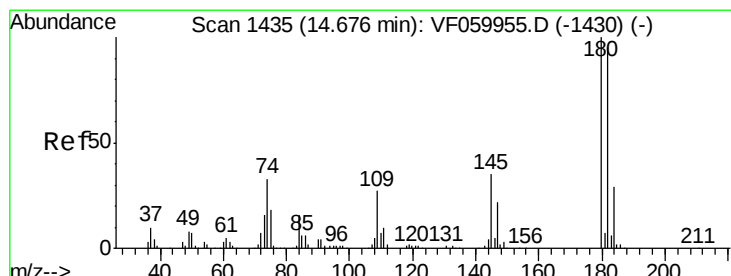
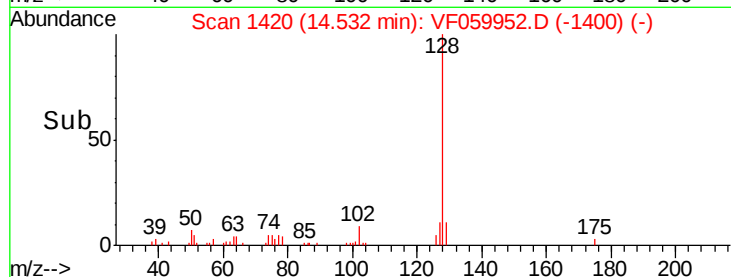
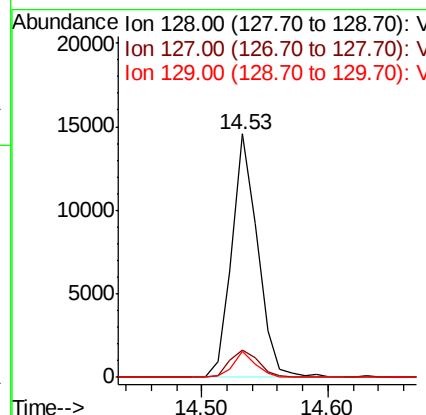
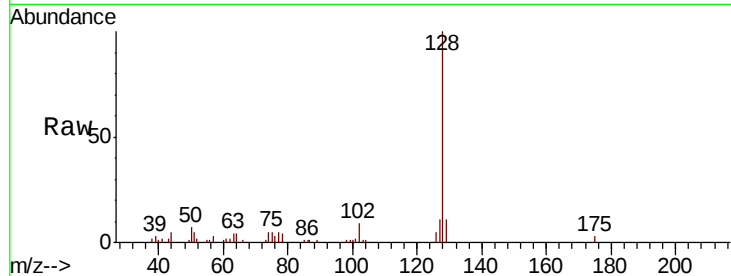
#95
Naphthalene
Concen: 4.68 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.01 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.1	9.9	14.9
129	10.6	8.4	12.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 4.96 ug/l
RT: 14.68 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VF059952.D
Acq: 14 Aug 2018 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	90.6	47.5	142.6
145	25.1	17.6	52.8

