

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081418\
 Data File : VF059954.D
 Acq On : 14 Aug 2018 19:37
 Operator : VA/AP
 Sample : VSTDIC020
 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Manual Integrations
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apatel
 8/16/2018 12:15:02 PM

Quant Time: Aug 15 09:08:39 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	5.05	168	120425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.78	114	163789	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.93	117	164170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.64	152	108944	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.03	65	42242	19.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.84%	
35) Dibromofluoromethane	4.30	113	33466	20.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	41.38%	
50) Toluene-d8	7.73	98	74831	21.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.08%	
62) 4-Bromofluorobenzene	11.52	95	42865	21.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	43.86%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.99	85	37063	18.46	ug/l	96
3) Chloromethane	1.09	50	16803	18.06	ug/l	97
4) Vinyl Chloride	1.16	62	17689	18.32	ug/l	90
5) Bromomethane	1.35	94	17021	18.81	ug/l	92
6) Chloroethane	1.44	64	11996	19.83	ug/l #	81
7) Trichlorofluoromethane	1.54	101	49998	18.74	ug/l	92
8) Diethyl Ether	1.71	74	6925	16.62	ug/l	83
9) 1,1,2-Trichlorotrifluoroet	1.91	101	27634	19.03	ug/l	95
10) Methyl Iodide	1.97	142	41767	18.79	ug/l	95
11) Tert butyl alcohol	2.70	59	9433	106.24	ug/l #	88
12) 1,1-Dichloroethene	1.86	96	19796	18.60	ug/l	91
13) Acrolein	2.11	56	3492	66.18	ug/l	91
14) Allyl chloride	2.20	41	27389	16.04	ug/l #	94
15) Acrylonitrile	3.08	53	12987	83.74	ug/l	92
16) Acetone	2.34	43	45567	113.17	ug/l	100
17) Carbon Disulfide	1.89	76	52070	18.61	ug/l	98
18) Methyl Acetate	2.46	43	11911	17.98	ug/l #	85
19) Methyl tert-butyl Ether	2.55	73	56629	18.79	ug/l	99
20) Methylene Chloride	2.33	84	21312m	23.08	ug/l	
21) trans-1,2-Dichloroethene	2.42	96	19774	18.80	ug/l	86
22) Diisopropyl ether	2.93	45	63199	18.54	ug/l #	97
23) Vinyl Acetate	3.35	43	164706	99.26	ug/l	99
24) 1,1-Dichloroethane	3.01	63	47527	19.20	ug/l	96
25) 2-Butanone	4.52	43	46332	107.22	ug/l	96
26) 2,2-Dichloropropane	3.78	77	30462	20.72	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	21230	18.13	ug/l	97
28) Bromochloromethane	3.90	49	17676	19.92	ug/l #	96
29) Tetrahydrofuran	4.27	42	16308	102.53	ug/l	96
30) Chloroform	4.05	83	64864	19.35	ug/l	94
31) Cyclohexane	3.89	56	23303	19.07	ug/l #	87
32) 1,1,1-Trichloroethane	4.30	97	54383	20.25	ug/l #	90
36) 1,1-Dichloropropene	4.47	75	37876	20.37	ug/l	95
37) Ethyl Acetate	4.30	43	17230	21.60	ug/l #	75
38) Carbon Tetrachloride	4.19	117	65330	23.56	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.65	83	28291	20.40	ug/l	96
40) Benzene	4.83	78	62800	17.86	ug/l	92
41) Methacrylonitrile	4.95	41	8527	20.42	ug/l #	73
42) 1,2-Dichloroethane	5.13	62	52966	20.43	ug/l	99
43) Isopropyl Acetate	7.13	43	17495	20.82	ug/l #	83
44) Trichloroethene	5.69	130	25309	20.46	ug/l	98
45) 1,2-Dichloropropane	6.41	63	17429	20.40	ug/l #	78
46) Dibromomethane	6.27	93	15780	18.22	ug/l	90
47) Bromodichloromethane	6.56	83	49545	20.88	ug/l	98
48) Methyl methacrylate	6.89	41	12716	19.61	ug/l	91
49) 1,4-Dioxane	6.88	88	1953	427.67	ug/l #	64
51) 4-Methyl-2-Pentanone	8.43	43	87930	103.05	ug/l	95
52) Toluene	7.79	92	49371	20.91	ug/l	96
53) t-1,3-Dichloropropene	8.45	75	41417	22.54	ug/l	98
54) cis-1,3-Dichloropropene	7.48	75	37997	20.24	ug/l	94
55) 1,1,2-Trichloroethane	8.65	97	17022	20.04	ug/l #	88
56) Ethyl methacrylate	8.77	69	16501	19.97	ug/l	94
57) 1,3-Dichloropropane	9.02	76	30966	21.00	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.79	63	12239	108.93	ug/l	100
59) 2-Hexanone	9.65	43	63718	105.08	ug/l	90
60) Dibromochloromethane	8.88	129	32291	20.17	ug/l	91
61) 1,2-Dibromoethane	9.15	107	20270	19.59	ug/l	96
64) Tetrachloroethene	8.33	164	26234	19.13	ug/l	96
65) Chlorobenzene	9.95	112	66947	20.36	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.09	131	34839	21.45	ug/l	96
67) Ethyl Benzene	10.05	91	120023	21.09	ug/l	96
68) m/p-Xylenes	10.29	106	81027	41.16	ug/l	96
69) o-Xylene	10.84	106	43599	21.11	ug/l	95
70) Styrene	10.92	104	68876	22.09	ug/l	97
71) Bromoform	10.90	173	19770	19.73	ug/l	94
73) Isopropylbenzene	11.24	105	150224	22.28	ug/l	97
74) N-amyl acetate	11.48	43	31478	20.62	ug/l	97
75) 1,1,1,2,2-Tetrachloroethane	11.80	83	23461	18.67	ug/l	94
76) 1,2,3-Trichloropropane	11.90	75	20414	18.82	ug/l	96
77) Bromobenzene	11.61	156	38077	20.71	ug/l	95
78) n-propylbenzene	11.70	91	173462	21.75	ug/l	98
79) 2-Chlorotoluene	11.83	91	104116	20.74	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	135956	21.73	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.97	75	7630m	17.70	ug/l	
82) 4-Chlorotoluene	12.00	91	110975	20.11	ug/l	100
83) tert-Butylbenzene	12.23	119	139144	22.70	ug/l	97
84) 1,2,4-Trimethylbenzene	12.30	105	137201	21.15	ug/l	98
85) sec-Butylbenzene	12.40	105	169777	20.89	ug/l	97
86) p-Isopropyltoluene	12.55	119	152525	22.40	ug/l	99
87) 1,3-Dichlorobenzene	12.57	146	73281	21.05	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	67339	19.65	ug/l	97
89) n-Butylbenzene	12.93	91	147330	22.43	ug/l	96
90) Hexachloroethane	13.01	117	35375	19.06	ug/l	96
91) 1,2-Dichlorobenzene	13.03	146	69552	20.84	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.73	75	6609	20.84	ug/l	94

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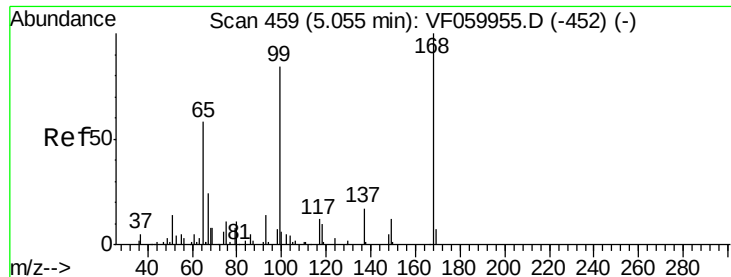
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	55049	21.44	ug/l	96
94) Hexachlorobutadiene	14.27	225	39538	21.75	ug/l	95
95) Naphthalene	14.54	128	87722	19.97	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	51383	20.46	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.05 min Scan# 459

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 120425

Ion Ratio Lower Upper

168 100

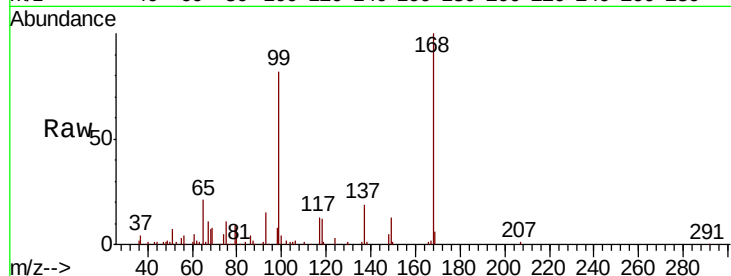
99 81.8 67.4 101.0

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.05

40000

30000

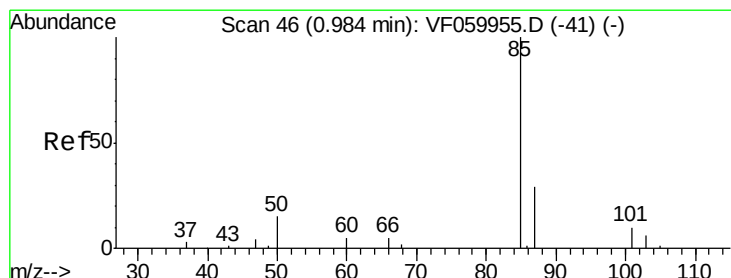
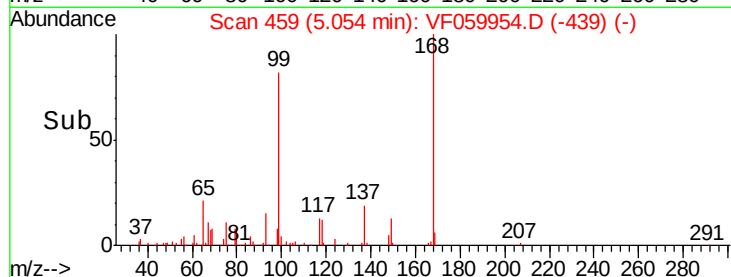
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.46 ug/l

RT: 0.99 min Scan# 47

Delta R.T. 0.01 min

Lab File: VF059954.D

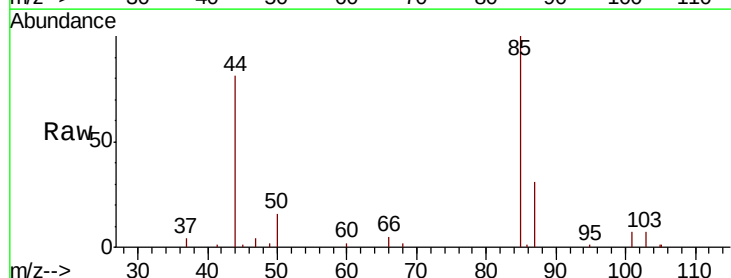
Acq: 14 Aug 2018 19:37

Tgt Ion: 85 Resp: 37063

Ion Ratio Lower Upper

85 100

87 31.1 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

12000

10000

8000

6000

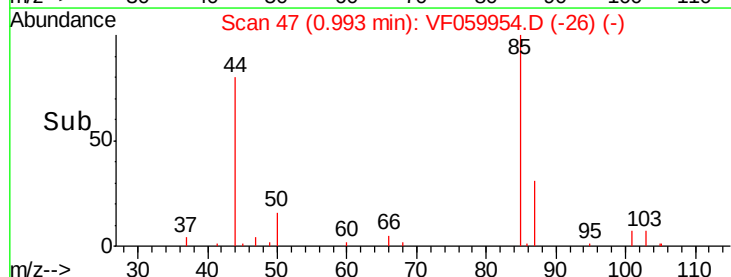
4000

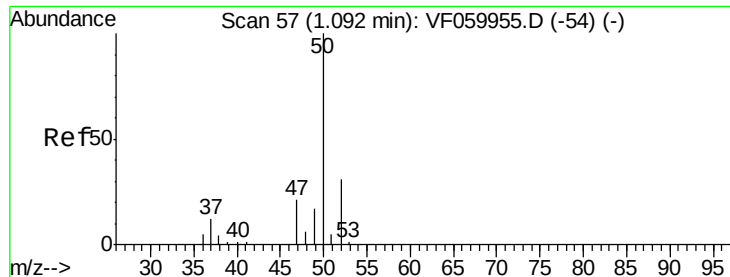
2000

0

0.90 1.00 1.10 1.20

Time-->





#3

Chloromethane

Concen: 18.06 ug/l

RT: 1.09 min Scan# 57

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 16803

Ion Ratio Lower Upper

50 100

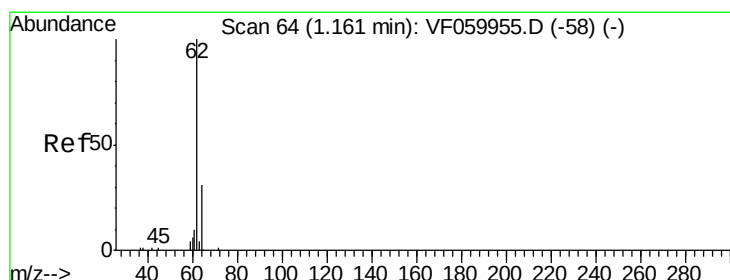
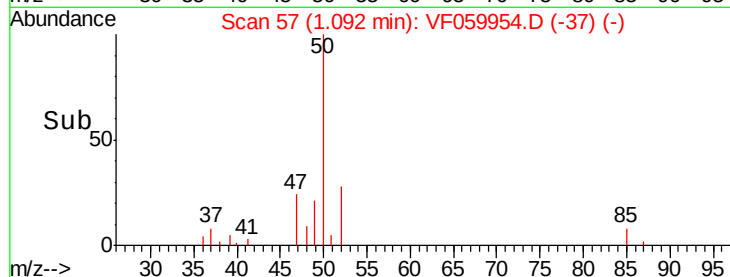
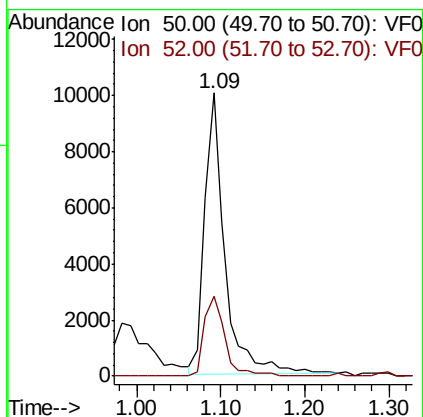
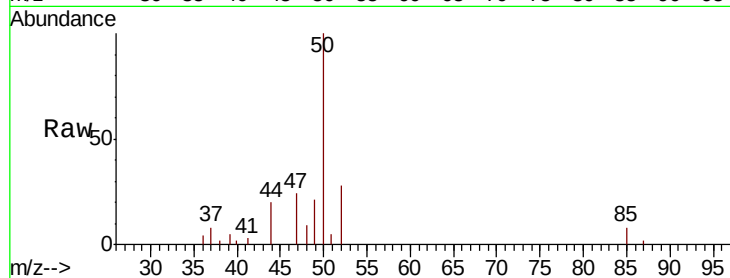
52 28.4 24.2 36.2

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#4

Vinyl Chloride

Concen: 18.32 ug/l

RT: 1.16 min Scan# 64

Delta R.T. -0.00 min

Lab File: VF059954.D

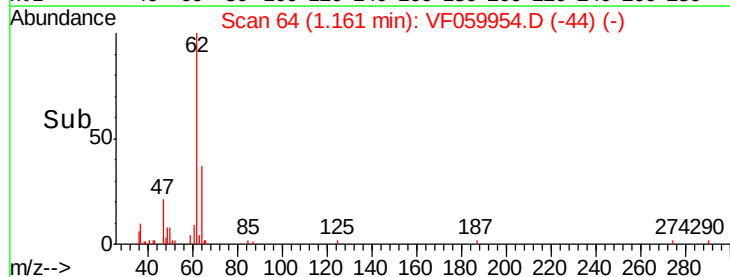
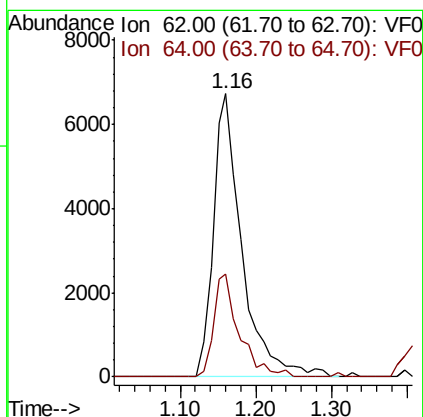
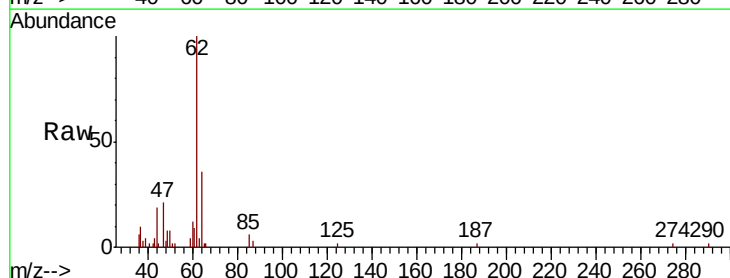
Acq: 14 Aug 2018 19:37

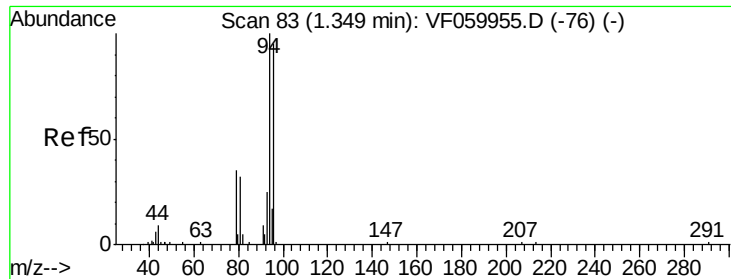
Tgt Ion: 62 Resp: 17689

Ion Ratio Lower Upper

62 100

64 36.4 24.7 37.1





#5

Bromomethane

Concen: 18.81 ug/l

RT: 1.35 min Scan# 83

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 94 Resp: 17021

Ion Ratio Lower Upper

94 100

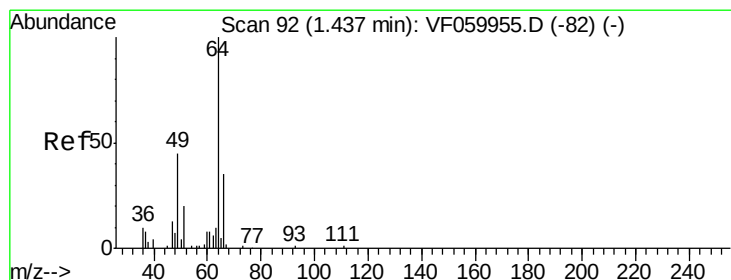
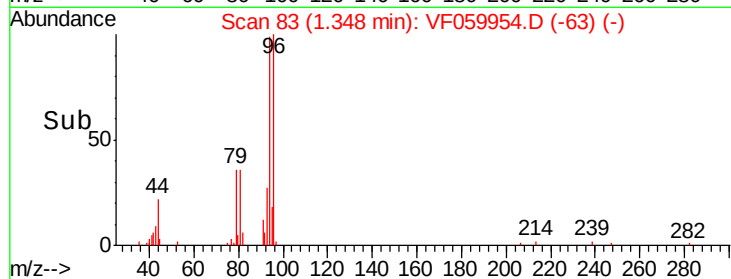
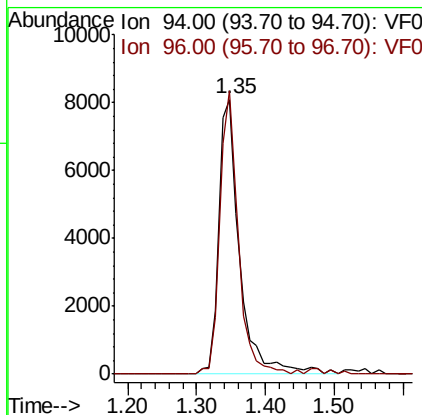
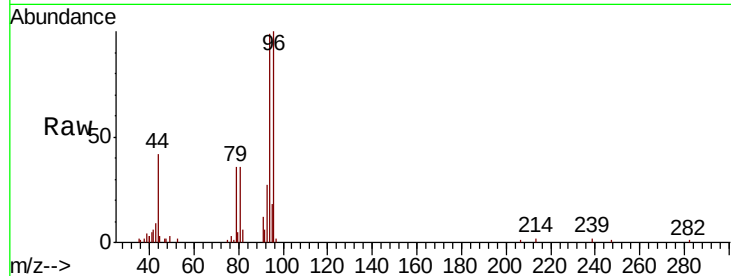
96 103.2 76.3 114.5

Manual Integrations

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#6

Chloroethane

Concen: 19.83 ug/l

RT: 1.44 min Scan# 92

Delta R.T. -0.00 min

Lab File: VF059954.D

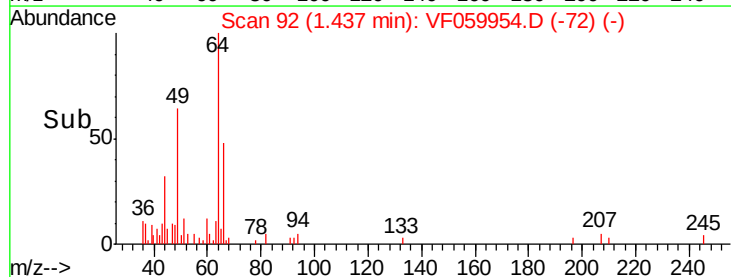
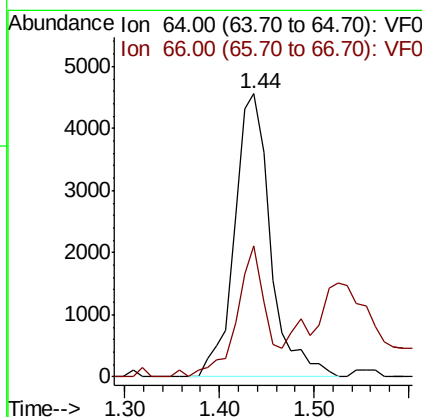
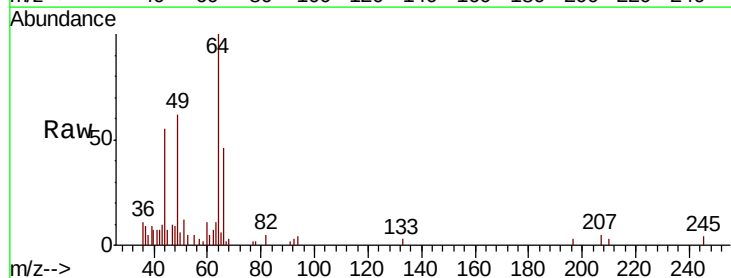
Acq: 14 Aug 2018 19:37

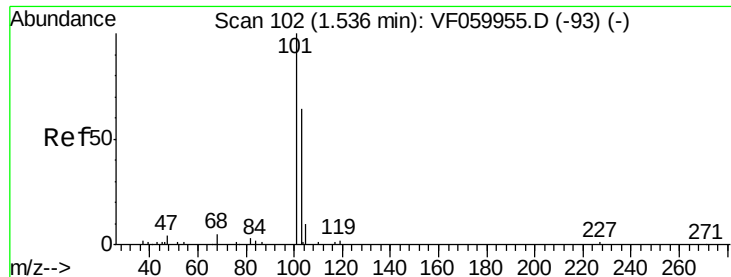
Tgt Ion: 64 Resp: 11996

Ion Ratio Lower Upper

64 100

66 46.1 28.2 42.2#





#7

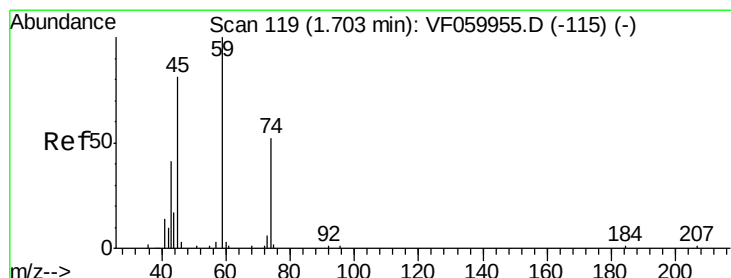
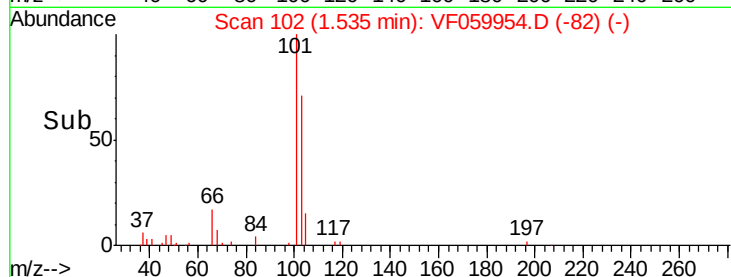
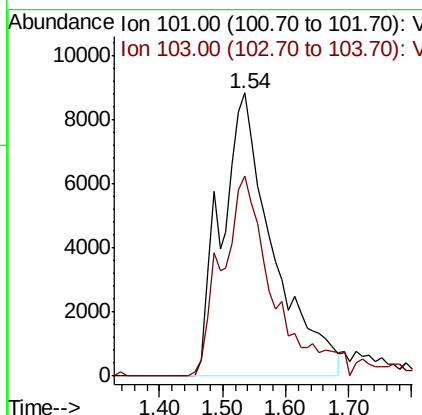
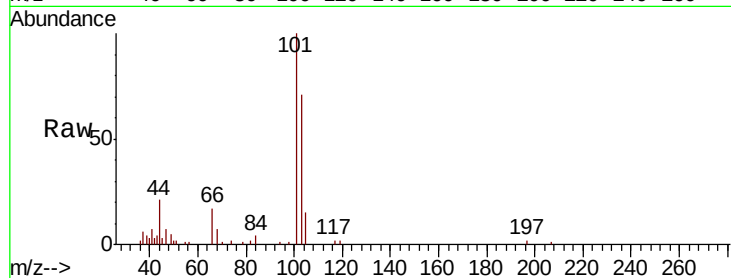
Trichlorofluoromethane
Concen: 18.74 ug/l
RT: 1.54 min Scan# 102
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	70.5	51.6	77.4

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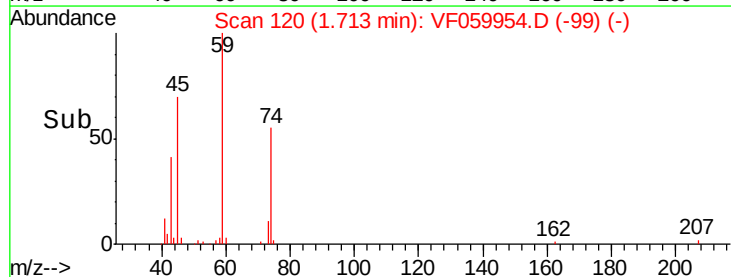
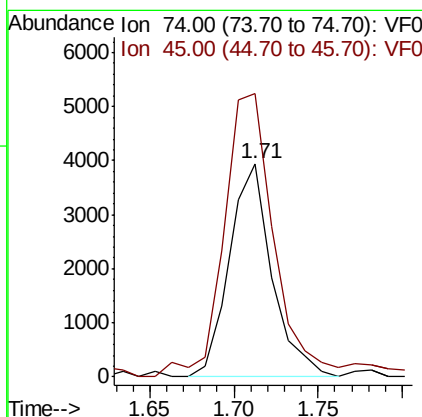
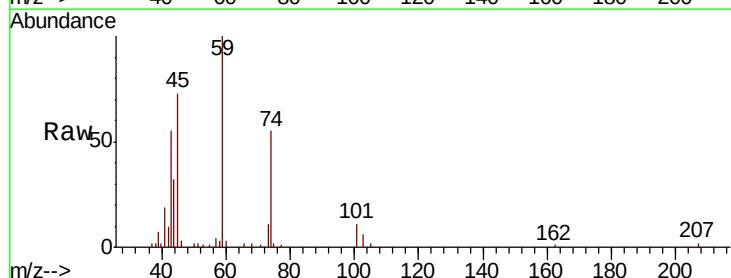
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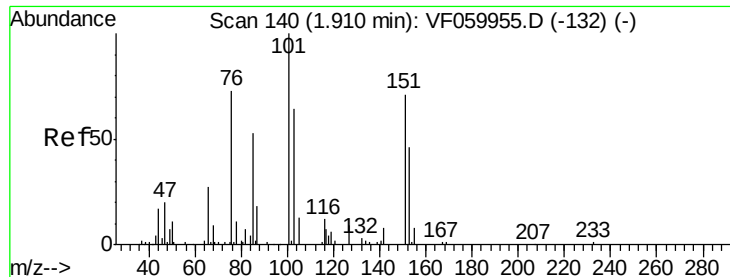


#8

Diethyl Ether
Concen: 16.62 ug/l
RT: 1.71 min Scan# 120
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	132.9	77.5	232.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.03 ug/l

RT: 1.91 min Scan# 140

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

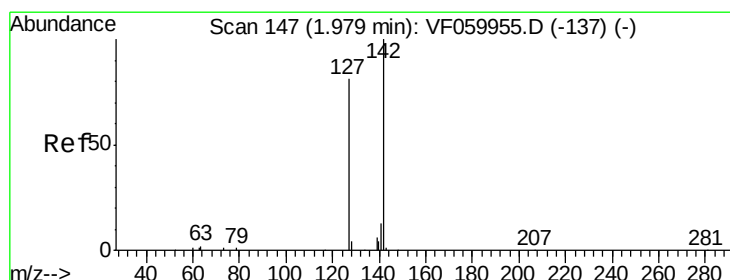
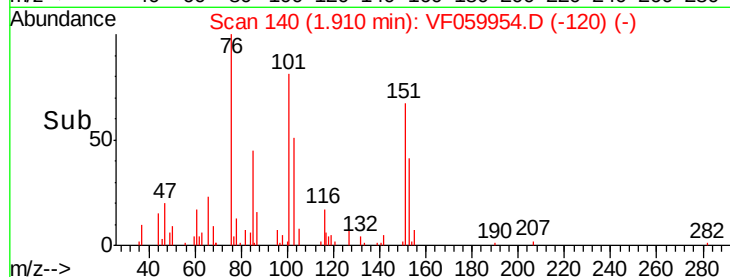
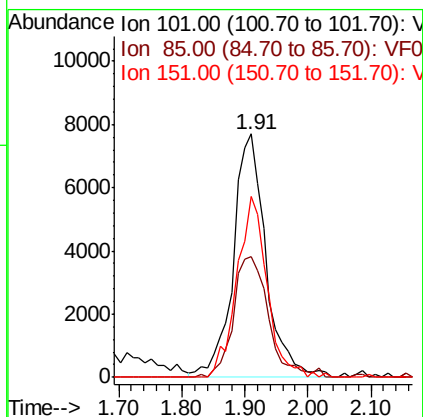
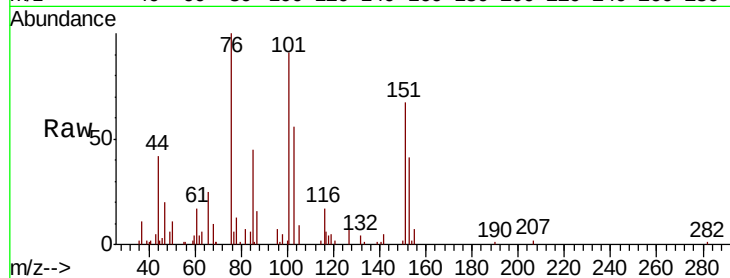
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	27634
Ion Ratio	Lower	Upper	
101	100		
85	49.7	42.1	63.1
151	74.1	55.4	83.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.79 ug/l

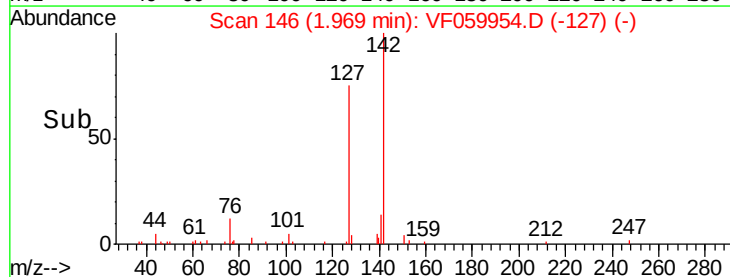
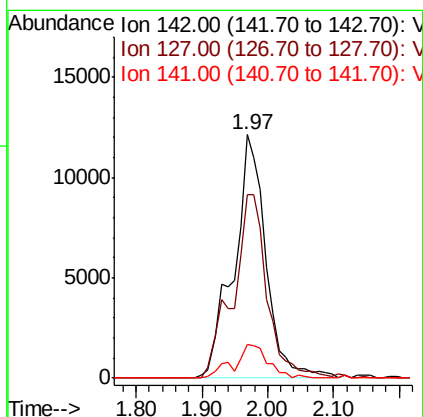
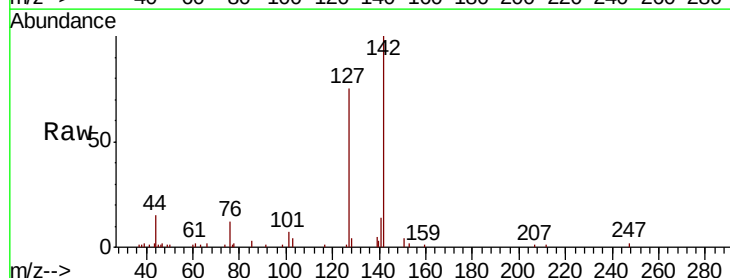
RT: 1.97 min Scan# 146

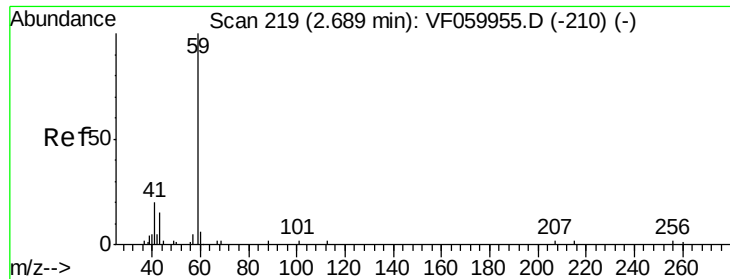
Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	142	Resp:	41767
Ion Ratio	Lower	Upper	
142	100		
127	75.5	64.5	96.7
141	14.0	10.8	16.2





#11

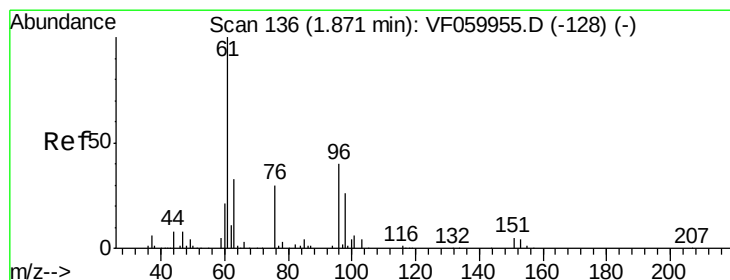
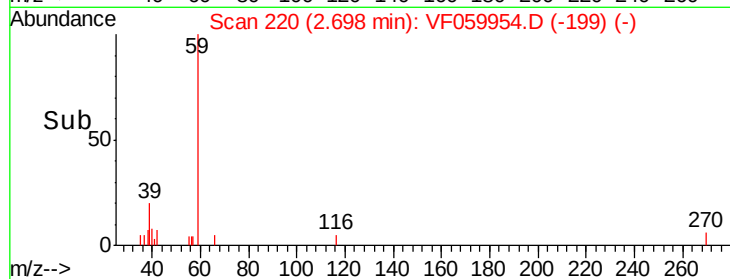
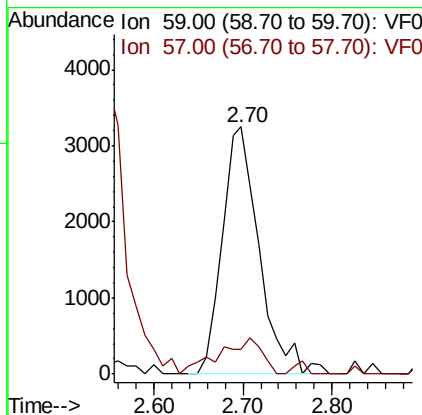
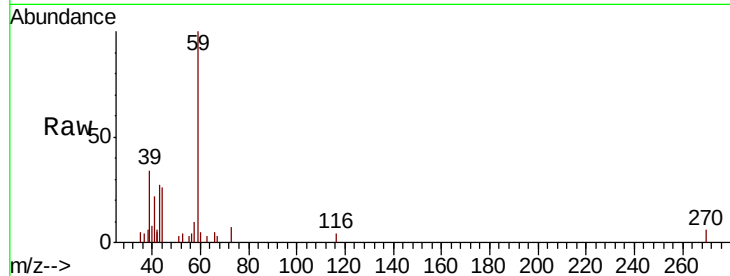
Tert butyl alcohol
 Concen: 106.24 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. 0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	9433
Ion Ratio	Lower	Upper	
59	100		
57	10.0	12.0	18.0#

Manual Integrations
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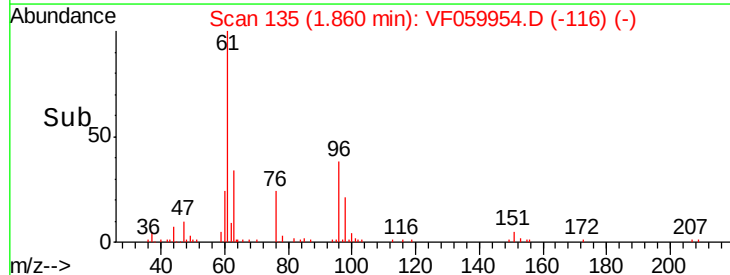
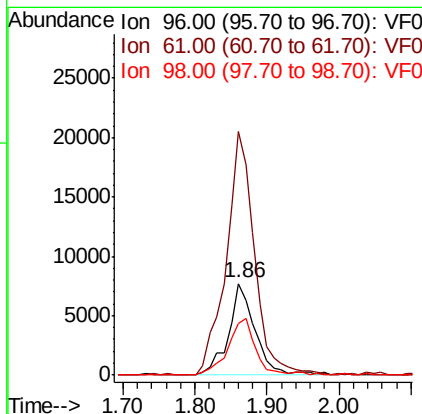
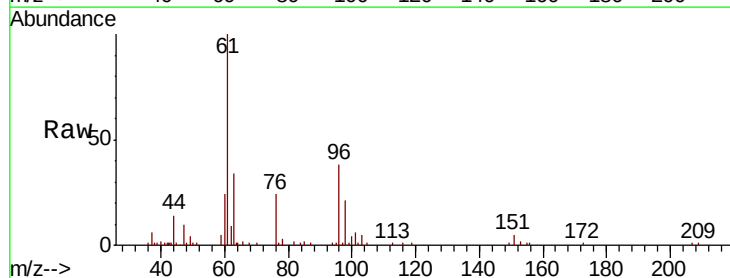
apatel
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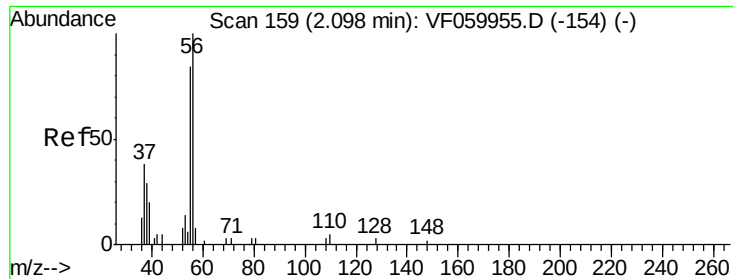


#12

1,1-Dichloroethene
 Concen: 18.60 ug/l
 RT: 1.86 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	96	Resp	19796
Ion Ratio	Lower	Upper	
96	100		
61	266.1	201.0	301.4
98	55.9	51.9	77.9





#13

Acrolein

Concen: 66.18 ug/l

RT: 2.11 min Scan# 160

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tot Ion: 56 Resp: 3492

Ion Ratio Lower Upper

56 100

55 76.4 67.4 101.2

Instrument :

MSVOA_F

ClientSampleId :

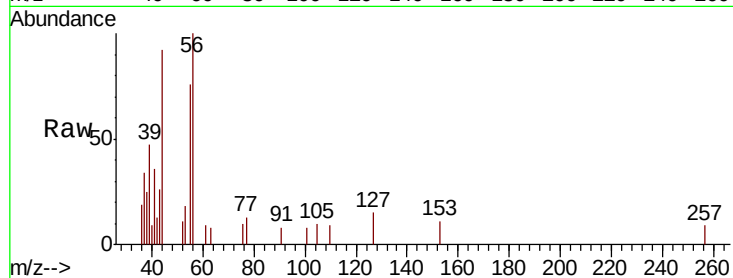
VSTDIC020

Manual Integrations

APPROVED

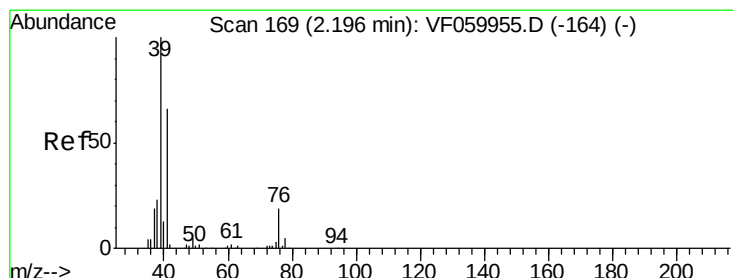
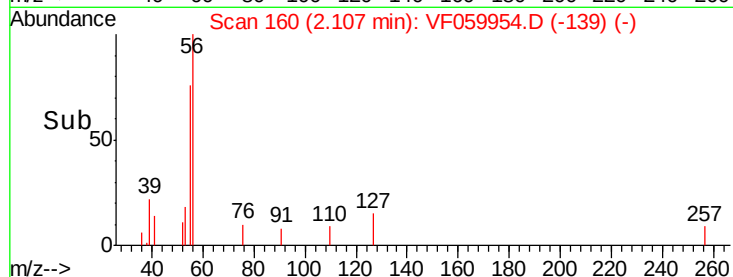
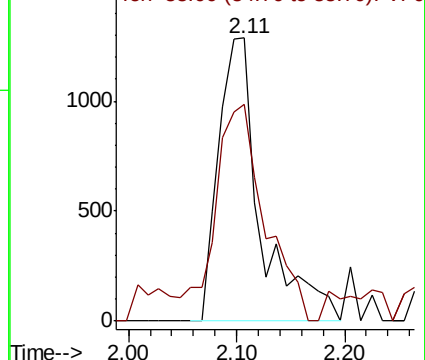
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 16.04 ug/l

RT: 2.20 min Scan# 169

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

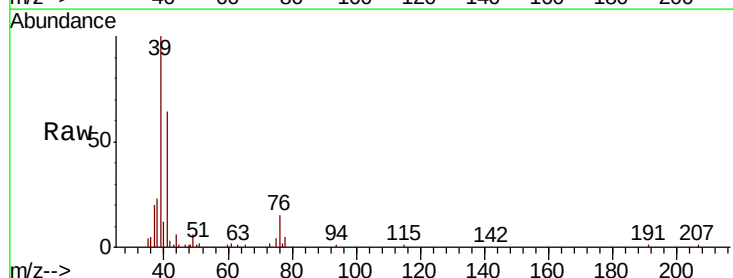
Tgt Ion: 41 Resp: 27389

Ion Ratio Lower Upper

41 100

39 157.3 121.0 181.4

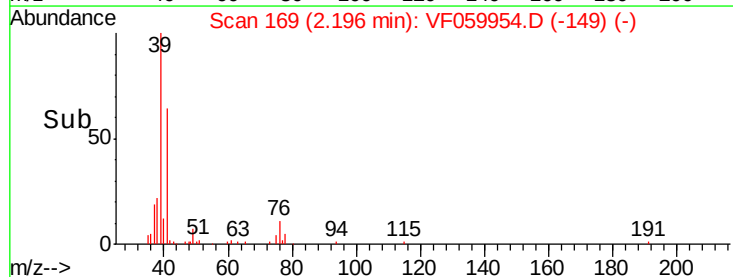
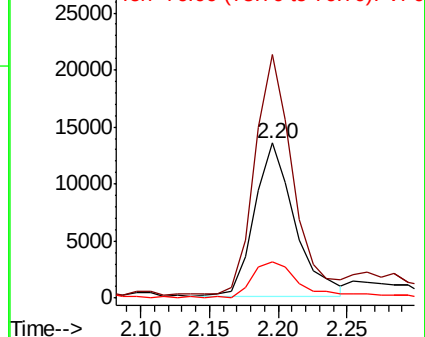
76 23.2 23.6 35.4#

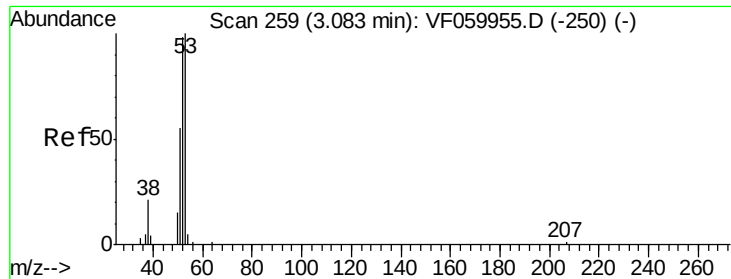


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





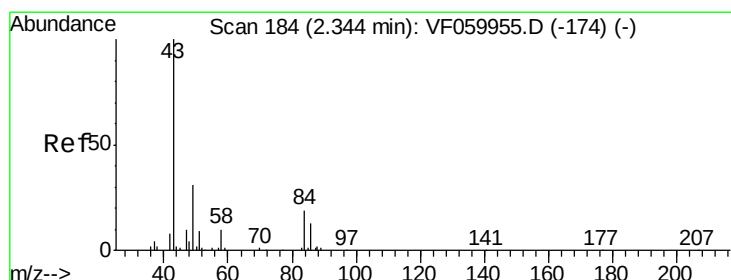
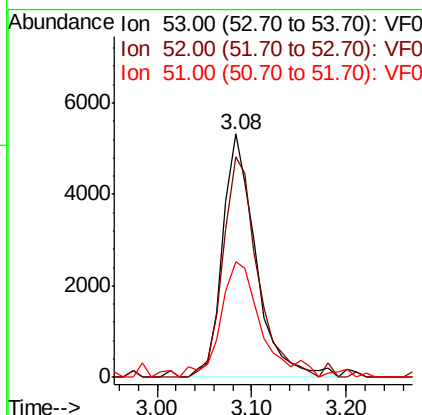
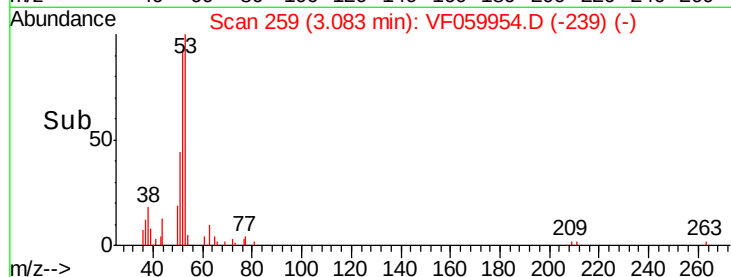
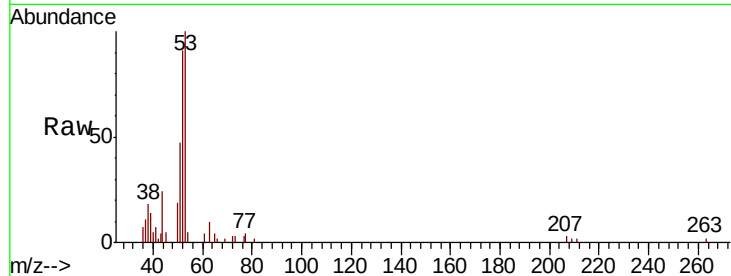
#15
 Acrylonitrile
 Concen: 83.74 ug/l
 RT: 3.08 min Scan# 259
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion:	53	Resp:	12987
Ion Ratio	Lower	Upper	
53	100		
52	90.7	78.1	117.1
51	47.3	44.2	66.4

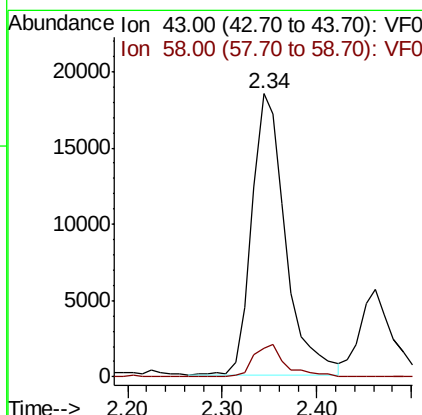
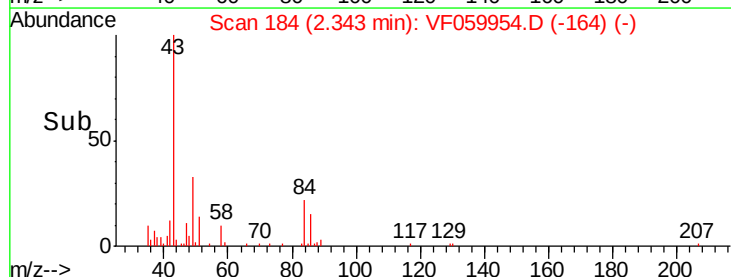
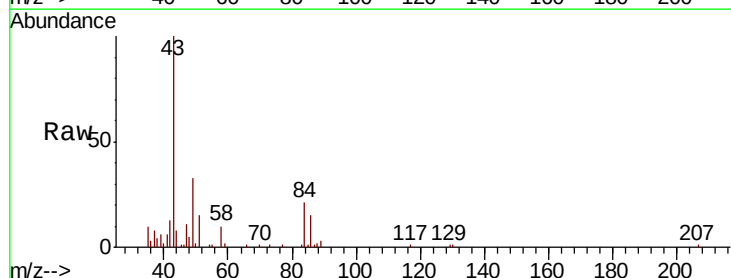
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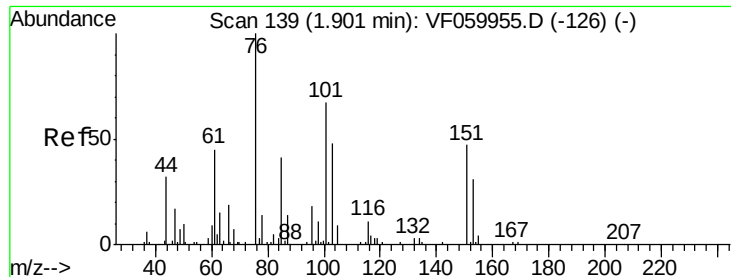
apatel
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#16
 Acetone
 Concen: 113.17 ug/l
 RT: 2.34 min Scan# 184
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion:	43	Resp:	45567
Ion Ratio	Lower	Upper	
43	100		
58	9.9	8.1	12.1





#17

Carbon Disulfide

Concen: 18.61 ug/l

RT: 1.89 min Scan# 138

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 52070

Ion Ratio Lower Upper

76 100

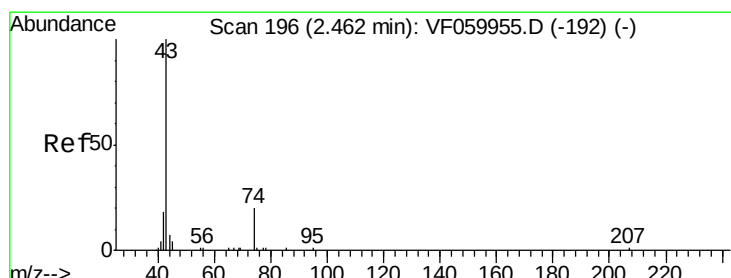
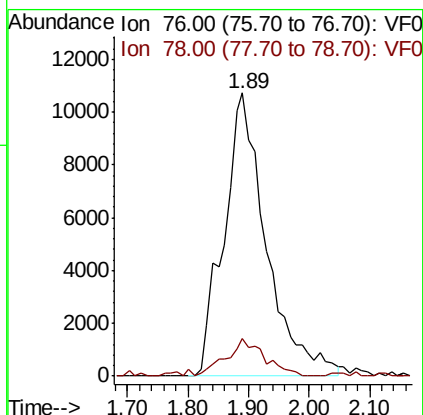
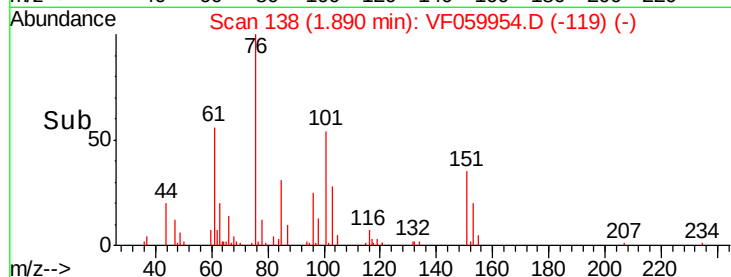
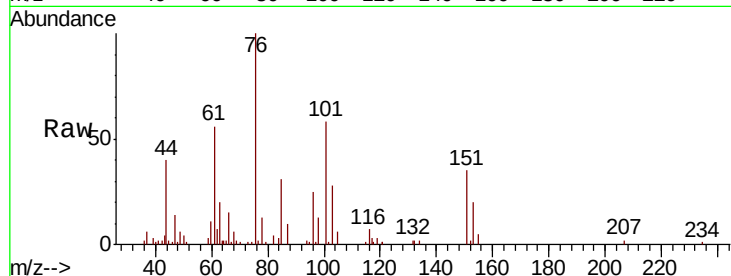
78 13.4 11.4 17.0

Manual Integrations

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#18

Methyl Acetate

Concen: 17.98 ug/l

RT: 2.46 min Scan# 196

Delta R.T. -0.00 min

Lab File: VF059954.D

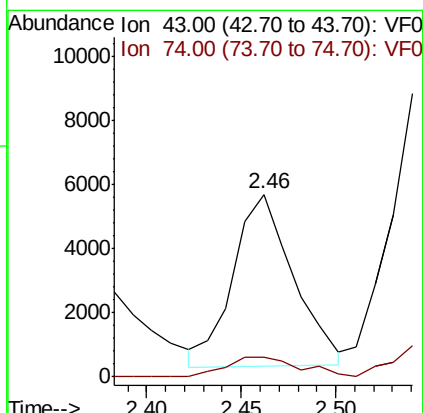
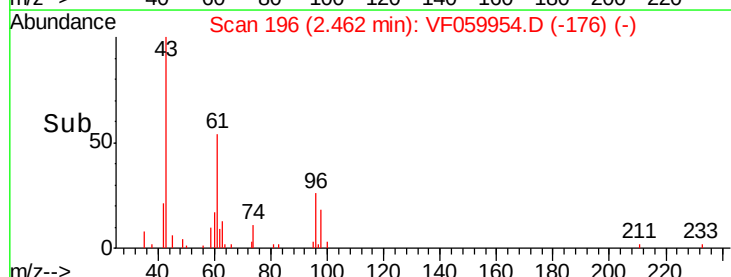
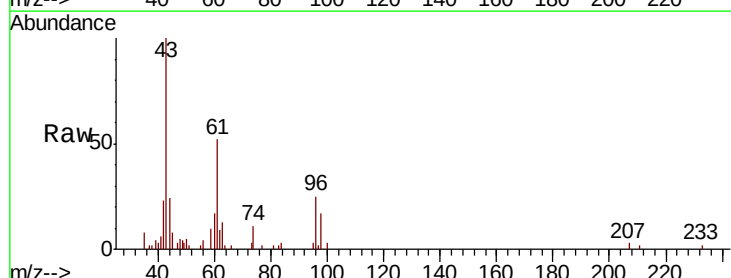
Acq: 14 Aug 2018 19:37

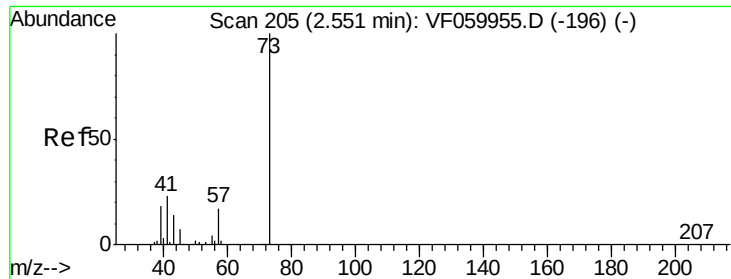
Tgt Ion: 43 Resp: 11911

Ion Ratio Lower Upper

43 100

74 11.1 14.3 21.5#





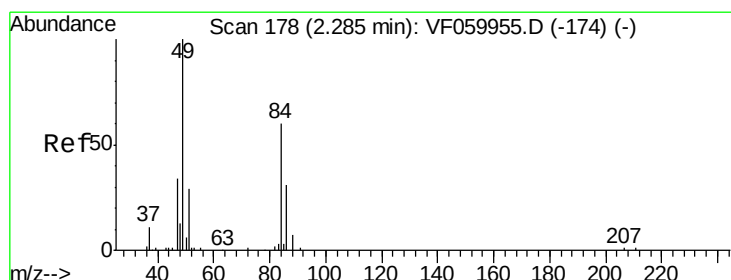
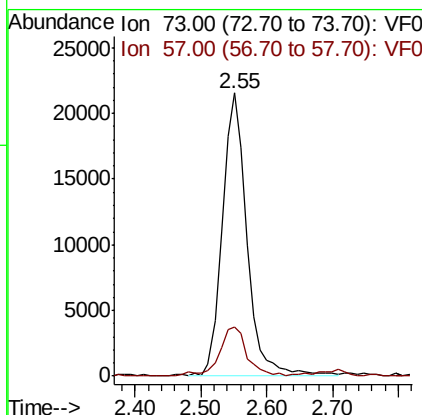
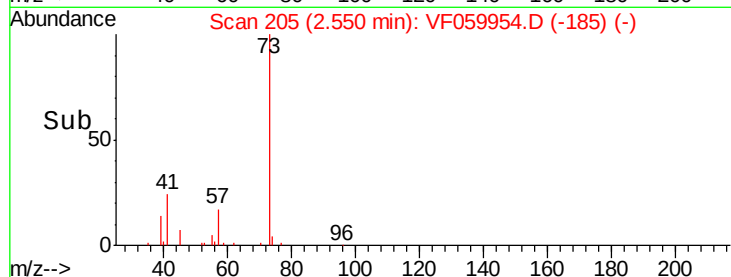
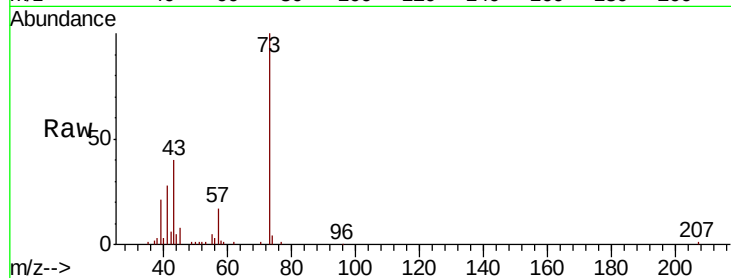
#19
Methyl tert-butyl Ether
Concen: 18.79 ug/l
RT: 2.55 min Scan# 205
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
73	100		
57	17.3	14.0	21.0

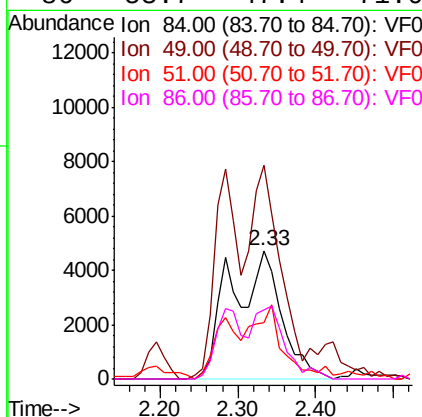
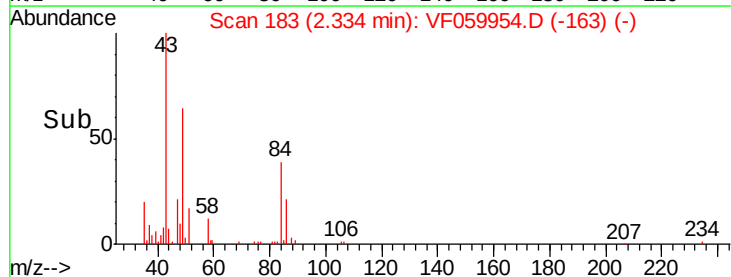
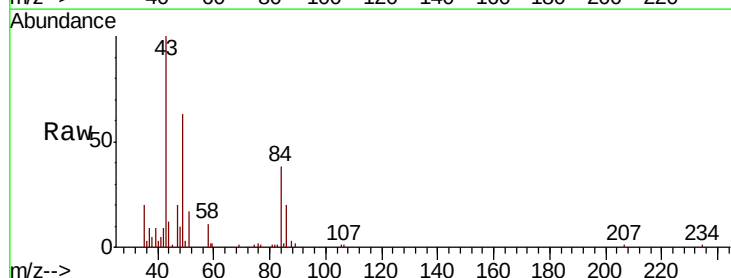
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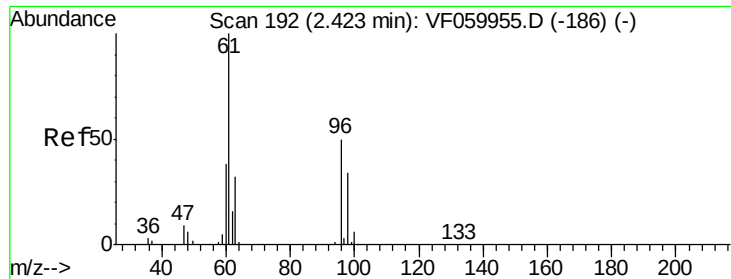
apatel
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#20
Methylene Chloride
Concen: 23.08 ug/l m
RT: 2.33 min Scan# 183
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	166.2	138.6	207.8
51	43.7	40.2	60.4
86	53.7	47.4	71.0





#21

trans-1,2-Dichloroethene

Concen: 18.80 ug/l

RT: 2.42 min Scan# 192

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

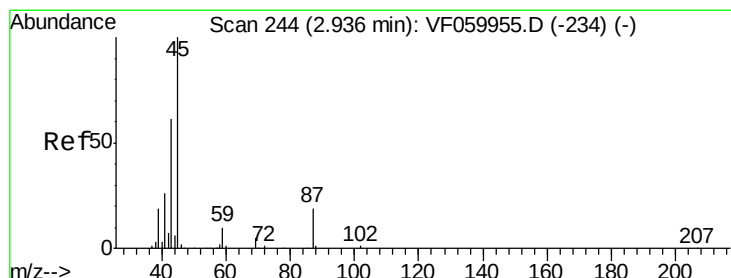
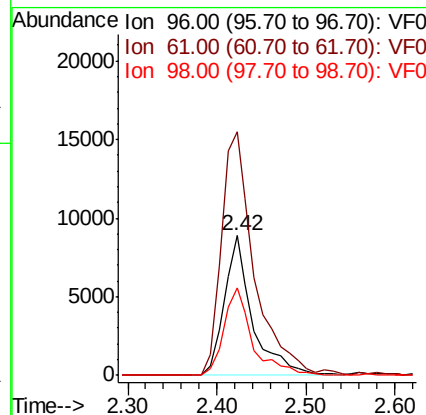
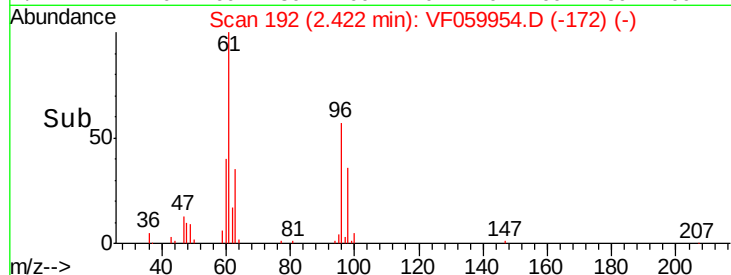
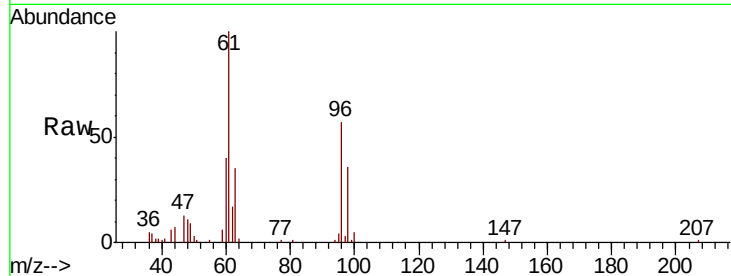
ClientSampleId :

VSTDIC020

Tot Ion:	96	Resp:	19774
Ion	Ratio	Lower	Upper
96	100		
61	174.7	159.5	239.3
98	62.9	53.8	80.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.54 ug/l

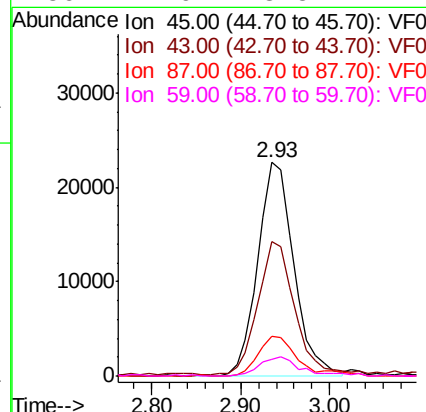
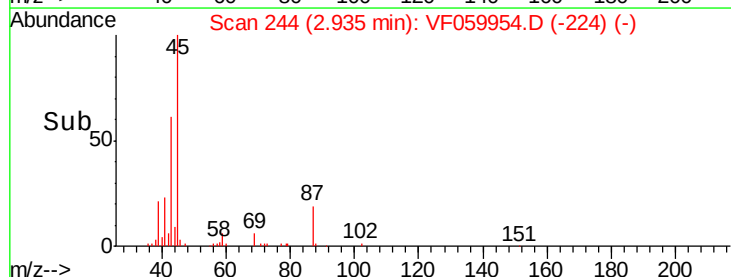
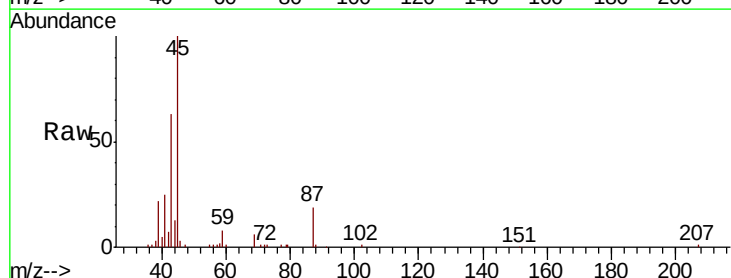
RT: 2.93 min Scan# 244

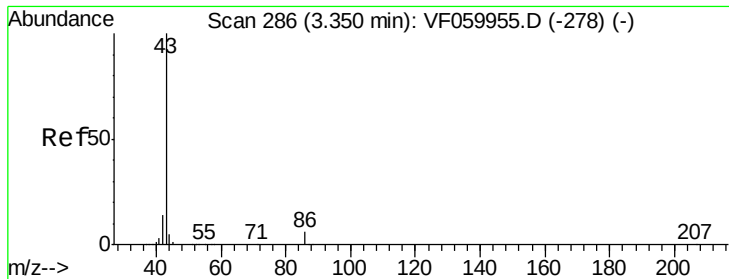
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	45	Resp:	63199
Ion	Ratio	Lower	Upper
45	100		
43	62.7	48.7	73.1
87	18.6	15.3	22.9
59	7.9	8.5	12.7#





#23

Vinyl Acetate

Concen: 99.26 ug/l

RT: 3.35 min Scan# 286

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 164706

Ion Ratio Lower Upper

43 100

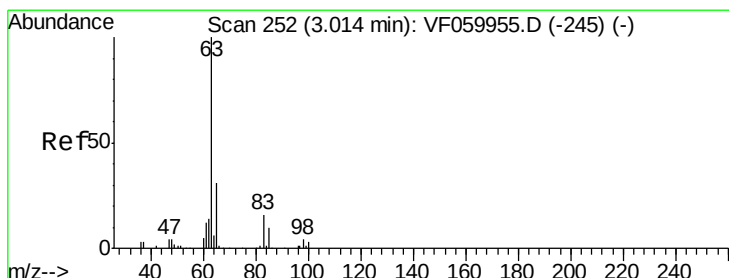
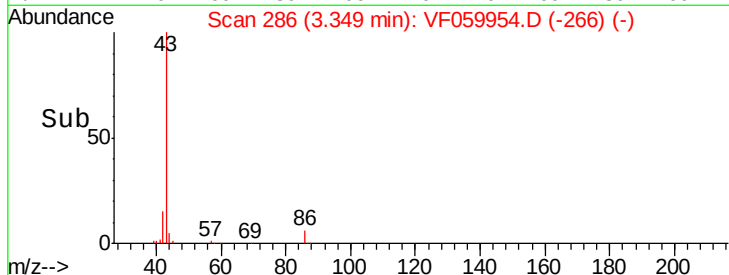
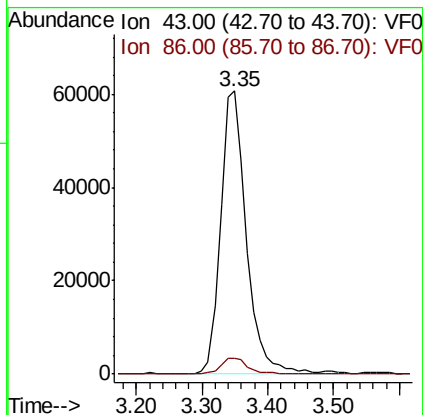
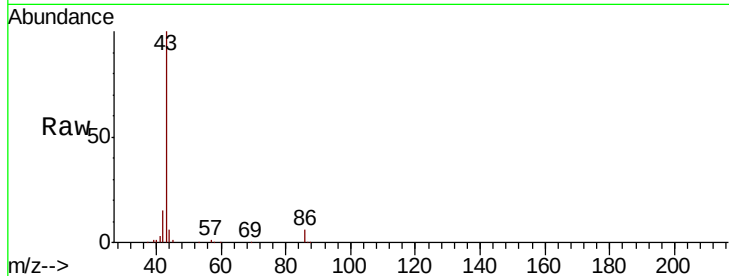
86 5.8 4.9 7.3

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.20 ug/l

RT: 3.01 min Scan# 252

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

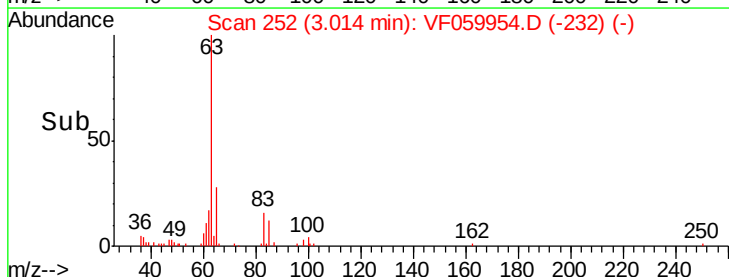
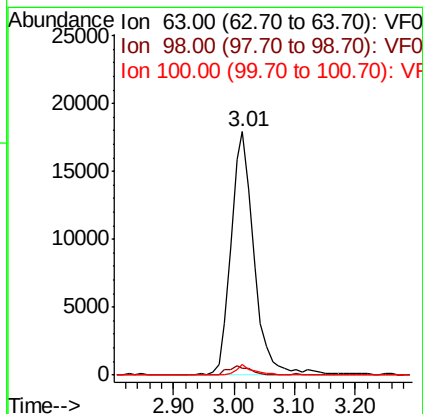
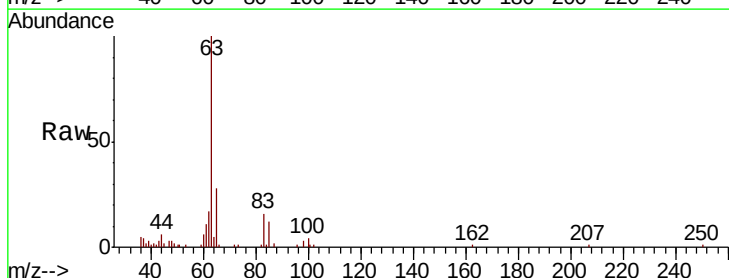
Tgt Ion: 63 Resp: 47527

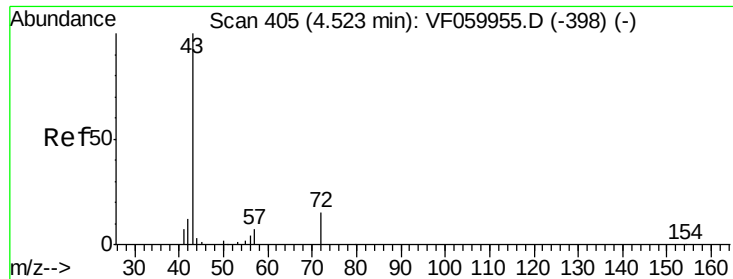
Ion Ratio Lower Upper

63 100

98 2.7 2.1 6.2

100 4.9 1.7 5.1





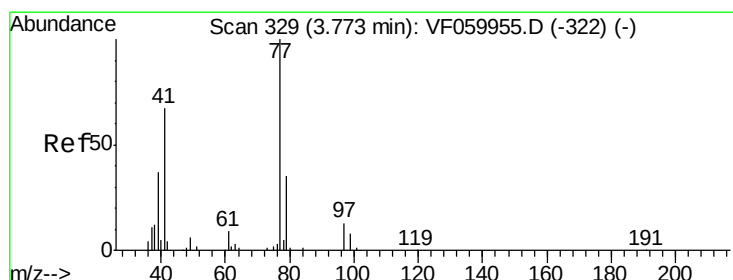
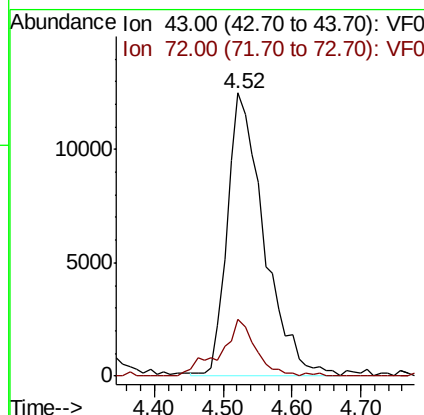
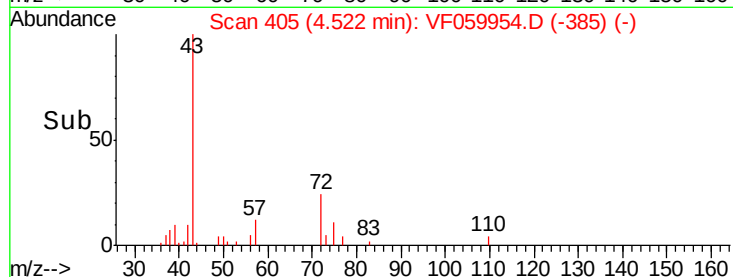
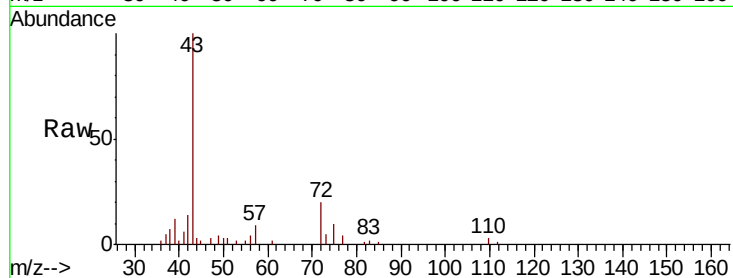
#25
2-Butanone
Concen: 107.22 ug/l
RT: 4.52 min Scan# 405
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	Ratio	Lower	Upper
43	100			
72	19.9	14.6	22.0	

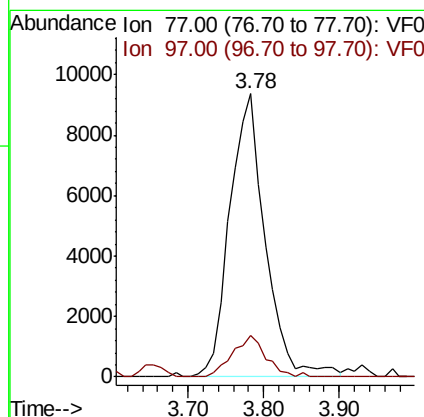
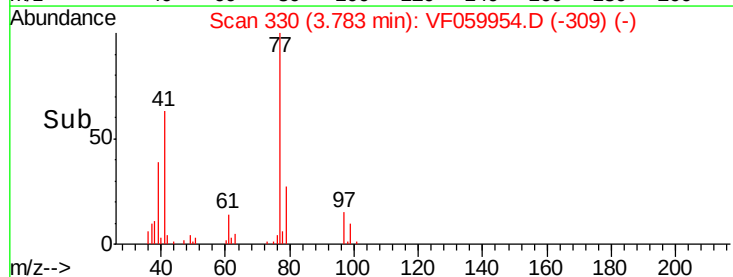
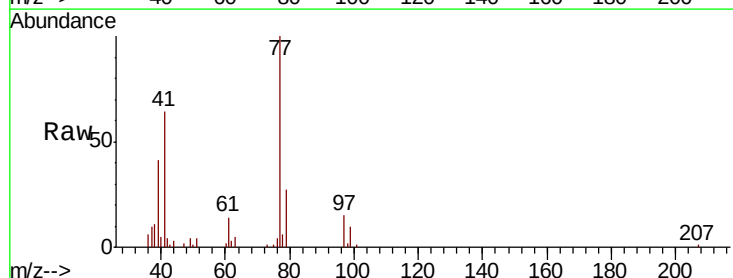
Manual Integrations
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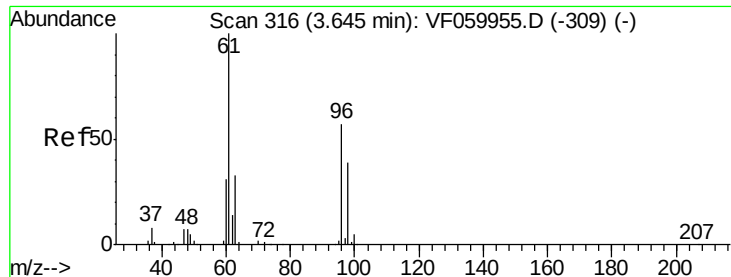
apatel
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#26
2,2-Dichloropropane
Concen: 20.72 ug/l
RT: 3.78 min Scan# 330
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	77	Ratio	Lower	Upper
77	100			
97	14.7	6.6	19.7	





#27

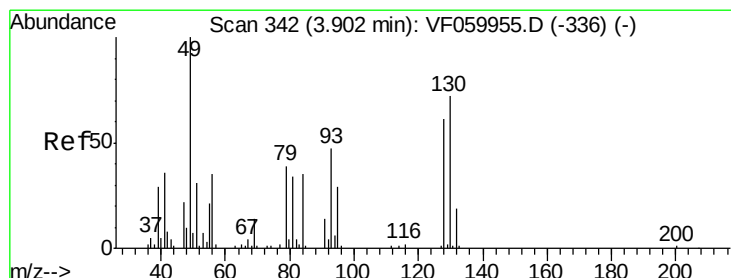
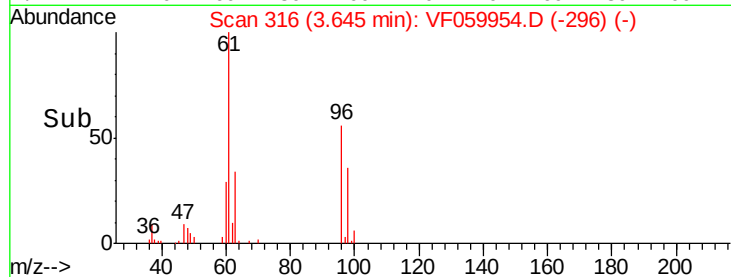
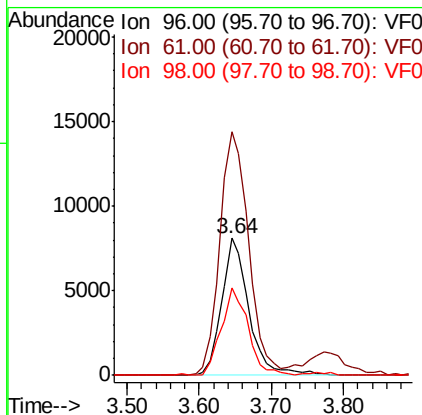
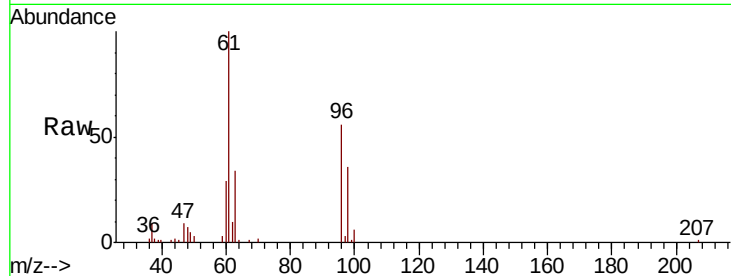
cis-1,2-Dichloroethene
Concen: 18.13 ug/l
RT: 3.64 min Scan# 316
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	21230		
61	177.7		0.0	349.4
98	64.2		0.0	134.6

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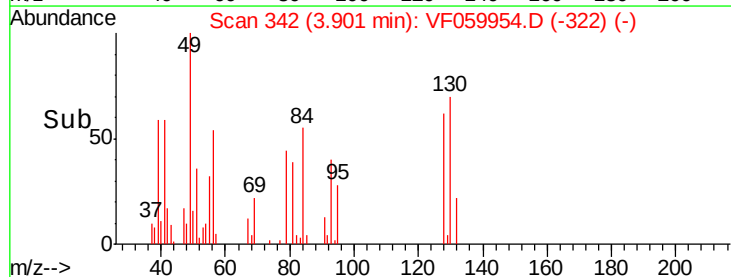
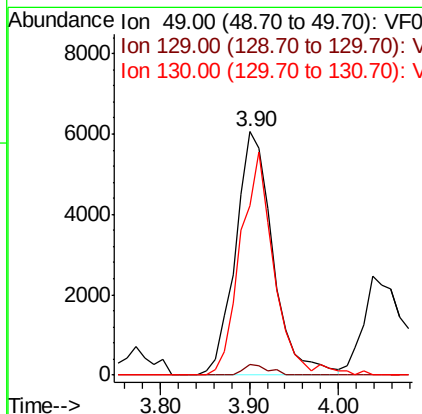
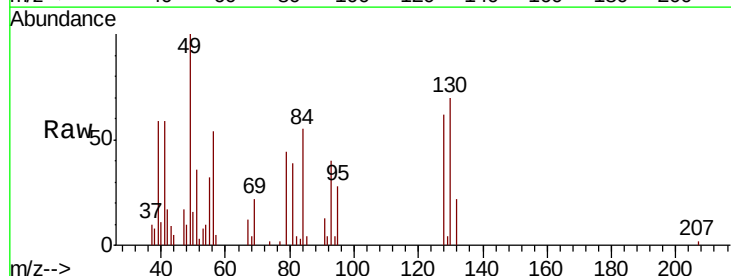
apatel
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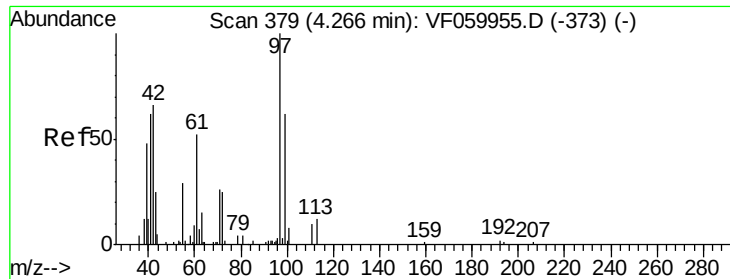


#28

Bromochloromethane
Concen: 19.92 ug/l
RT: 3.90 min Scan# 342
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	17676		
129	4.3		0.0	4.2#
130	69.7		58.1	87.1





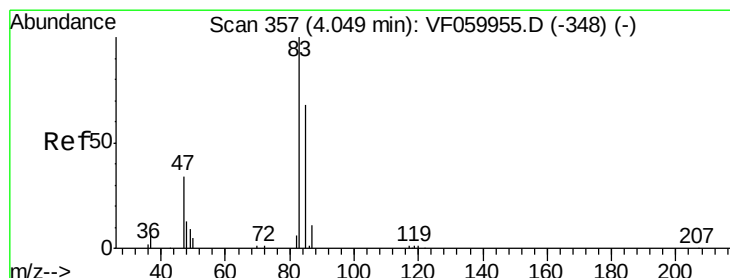
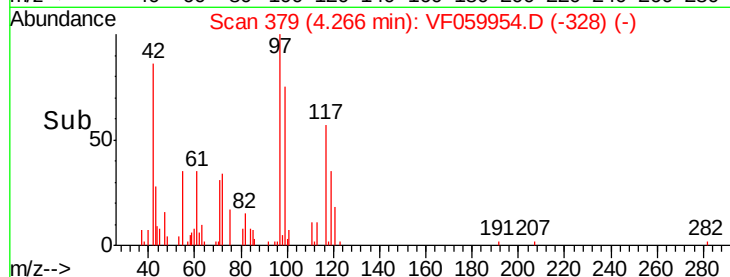
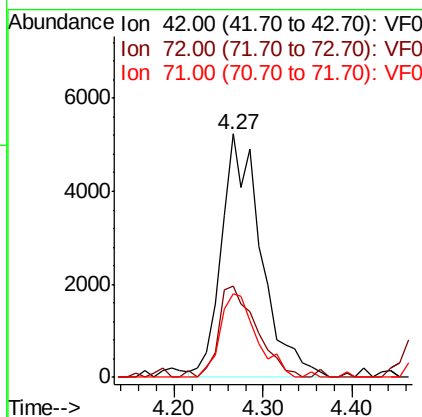
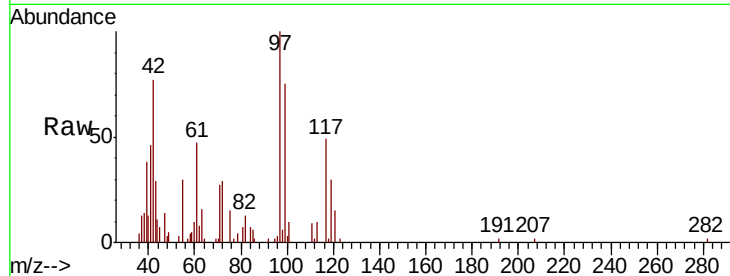
#29
Tetrahydrofuran
Concen: 102.53 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion:	42	Resp:	16308
Ion	Ratio	Lower	Upper
42	100		
72	36.0	27.7	41.5
71	31.6	28.2	42.4

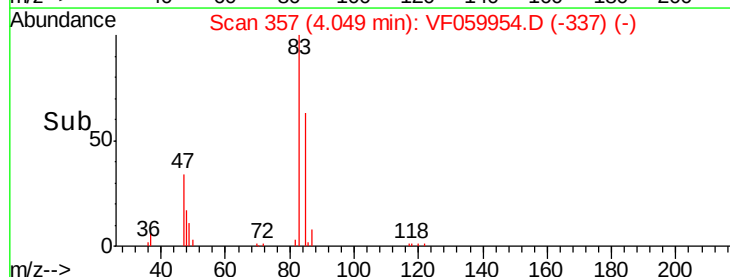
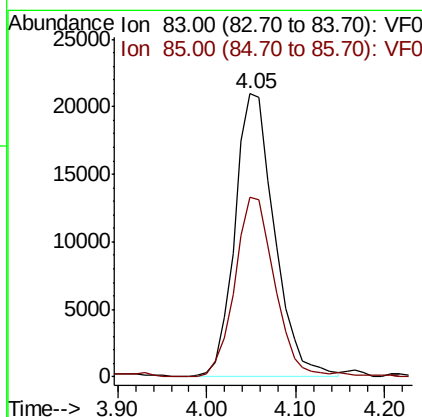
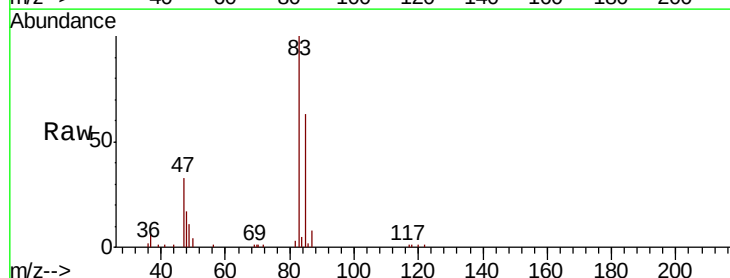
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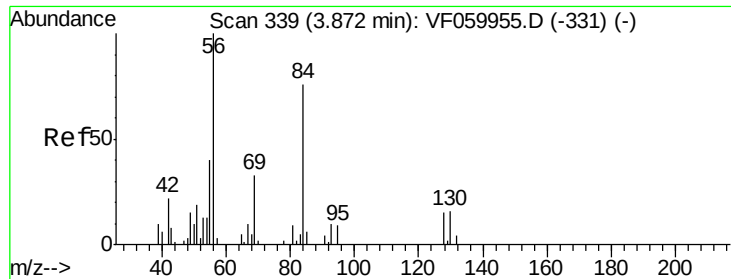
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#30
Chloroform
Concen: 19.35 ug/l
RT: 4.05 min Scan# 357
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion:	83	Resp:	64864
Ion	Ratio	Lower	Upper
83	100		
85	63.4	54.4	81.6





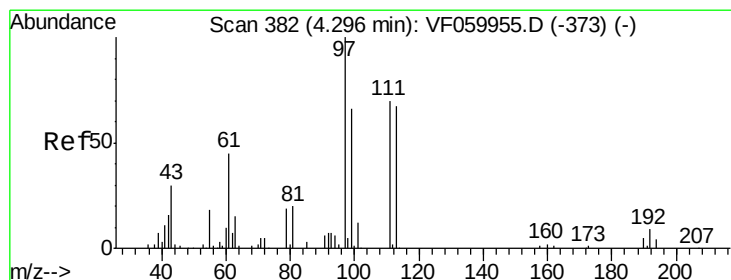
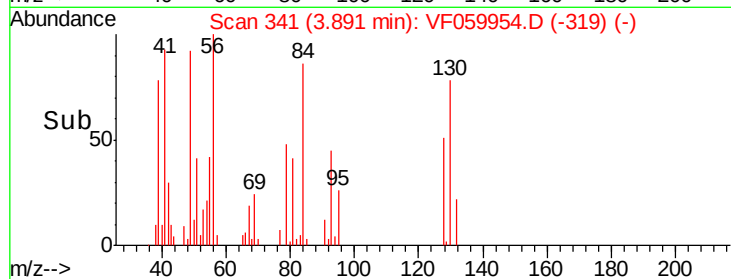
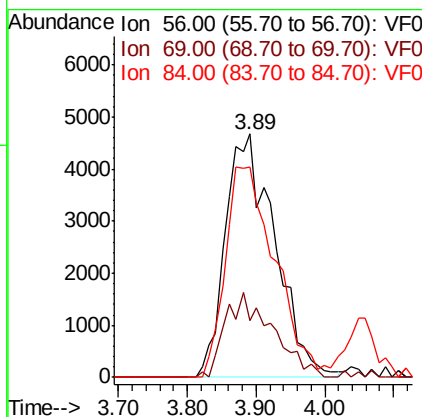
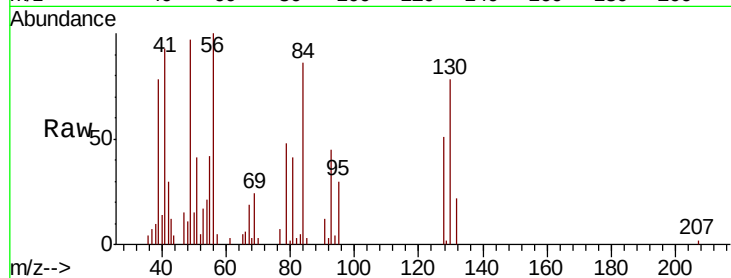
#31
Cyclohexane
Concen: 19.07 ug/l
RT: 3.89 min Scan# 341
Delta R.T. 0.02 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	23.5	26.2	39.2#
84	86.2	61.0	91.4

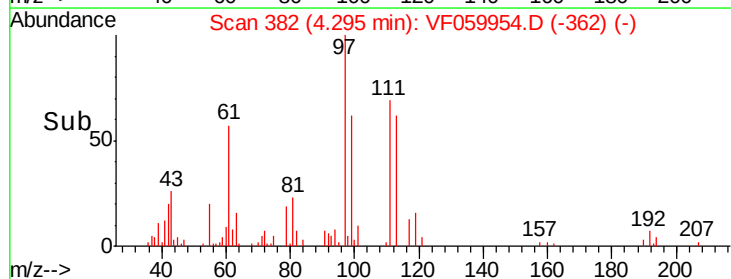
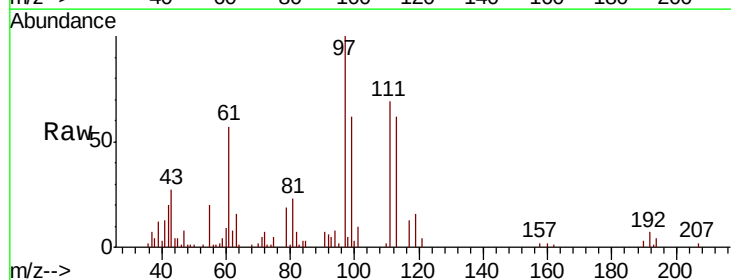
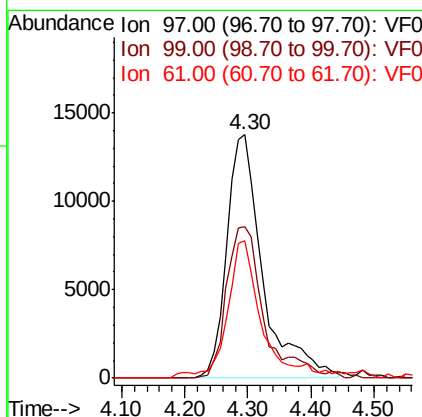
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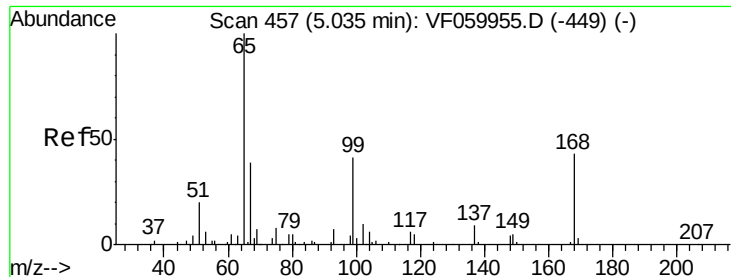
apatel
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#32
1,1,1-Trichloroethane
Concen: 20.25 ug/l
RT: 4.30 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	53.0	79.4
61	56.6	36.6	55.0#





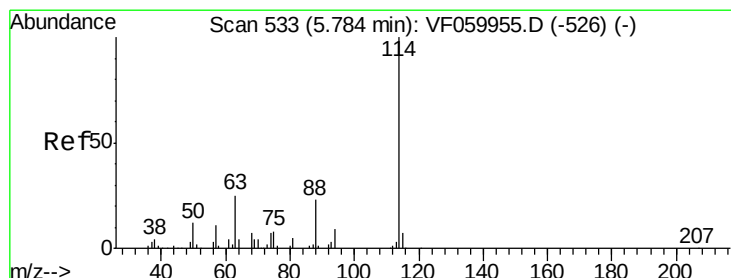
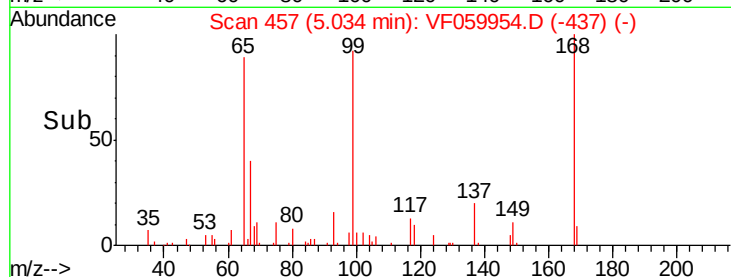
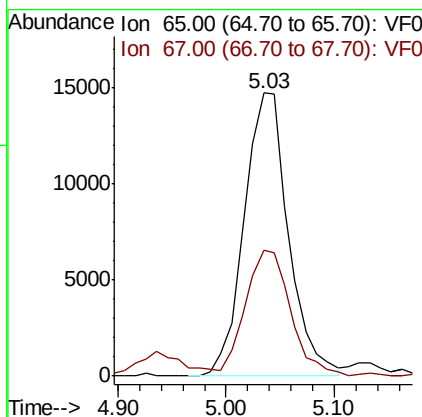
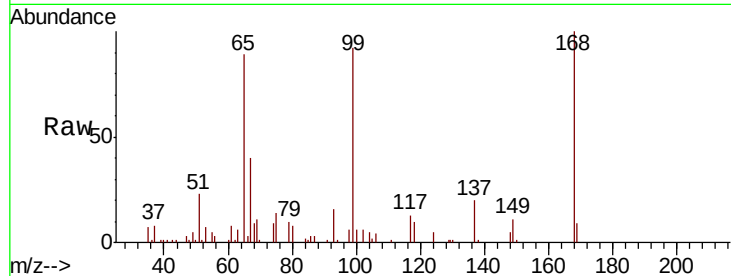
#33
 1,2-Dichloroethane-d4
 Concen: 19.42 ug/l
 RT: 5.03 min Scan# 457
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion: 65 Resp: 42242
 Ion Ratio Lower Upper
 65 100
 67 44.5 0.0 87.4

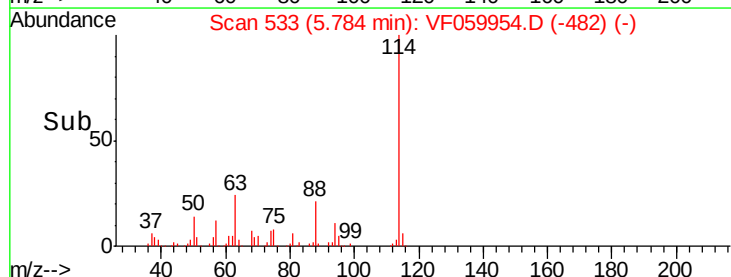
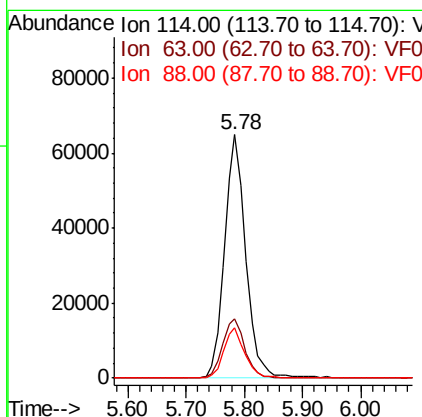
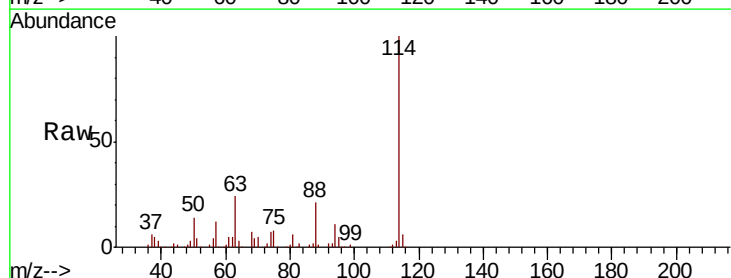
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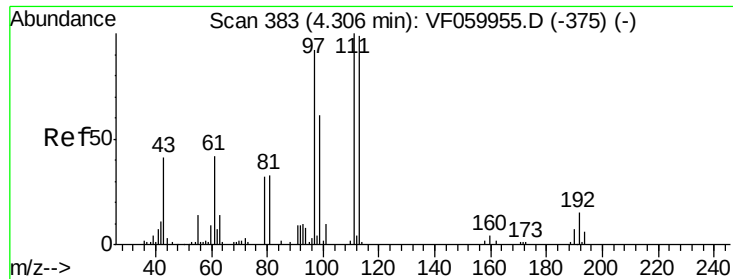
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.78 min Scan# 533
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion: 114 Resp: 163789
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 50.2
 88 20.7 0.0 46.8





#35

Dibromofluoromethane

Concen: 20.69 ug/l

RT: 4.30 min Scan# 383

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

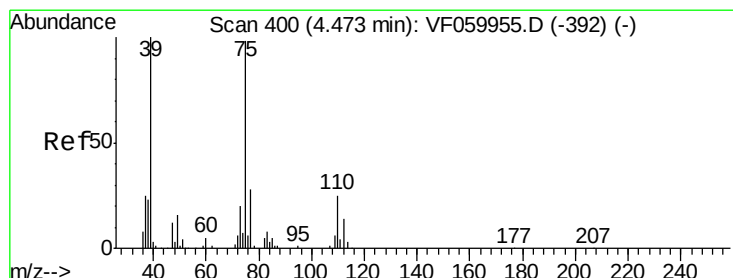
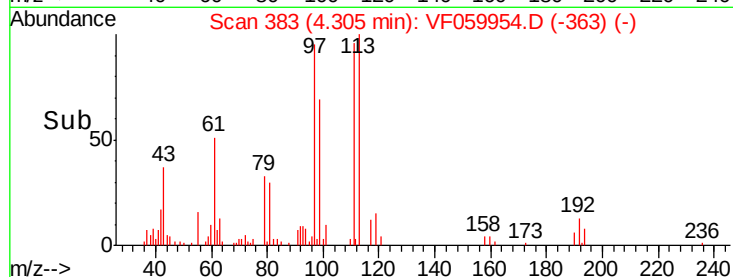
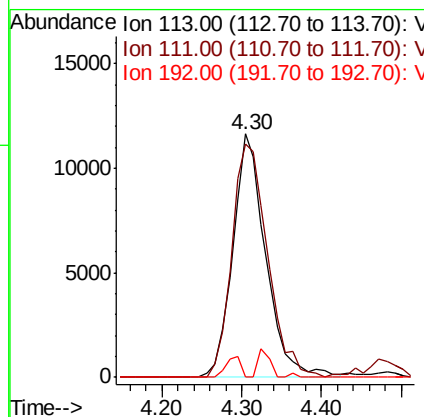
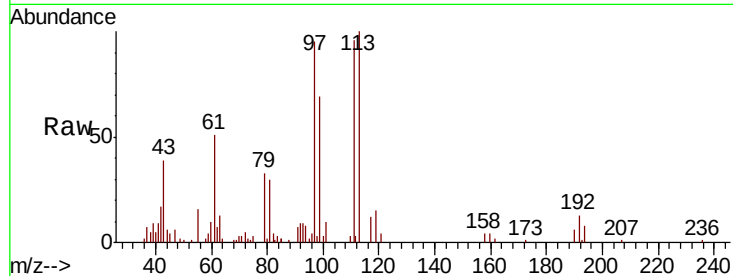
ClientSampleId :

VSTDIC020

Tot Ion	Ratio	Lower	Upper
113	100		
111	98.7	80.6	121.0
192	0.0	11.7	17.5#

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#36

1,1-Dichloropropene

Concen: 20.37 ug/l

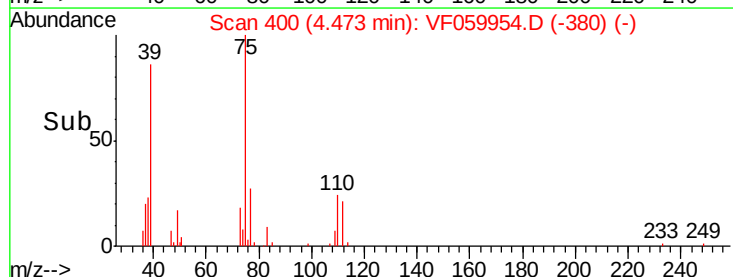
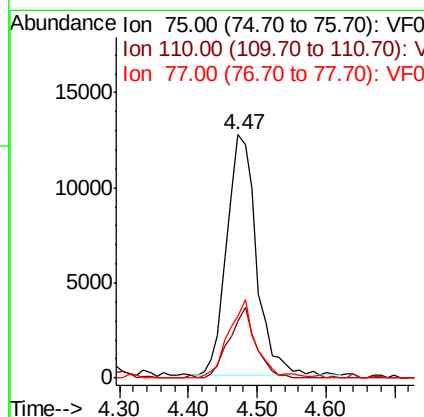
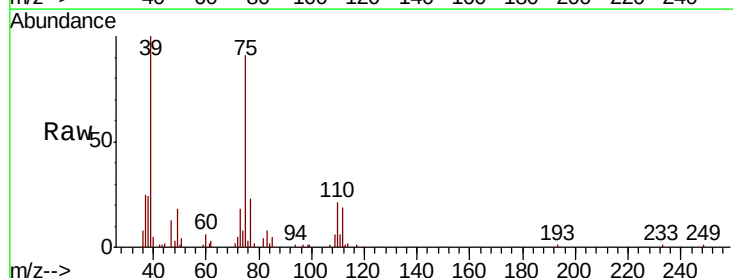
RT: 4.47 min Scan# 400

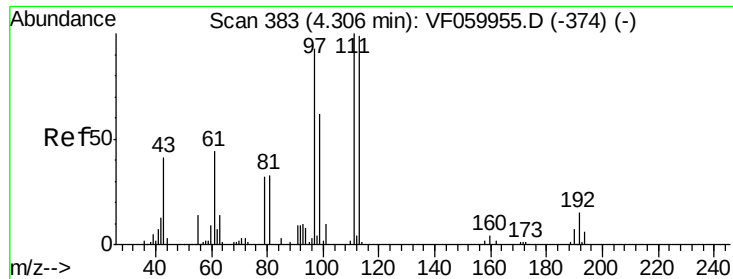
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	23.4	12.6	37.8
77	25.6	22.7	34.1





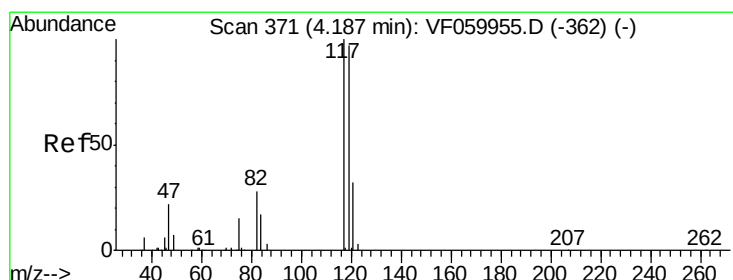
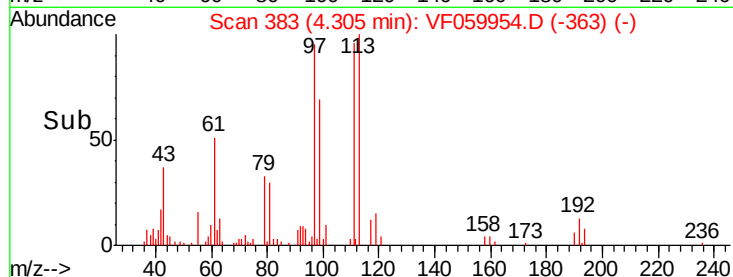
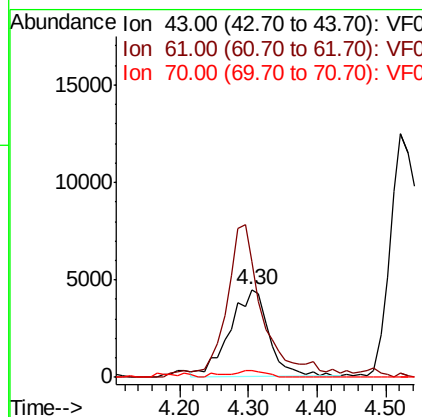
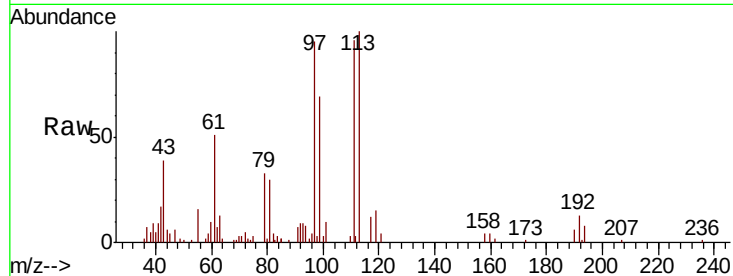
#37
Ethyl Acetate
Concen: 21.60 ug/l
RT: 4.30 min Scan# 383
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	43	61	70	Ratio	Lower	Upper
17230	100	132.3	8.0			
		84.3	5.5			
		126.5	8.3			

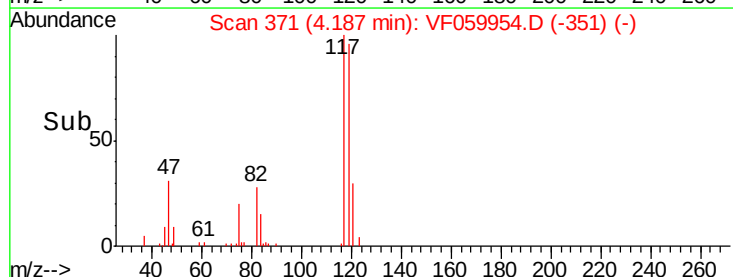
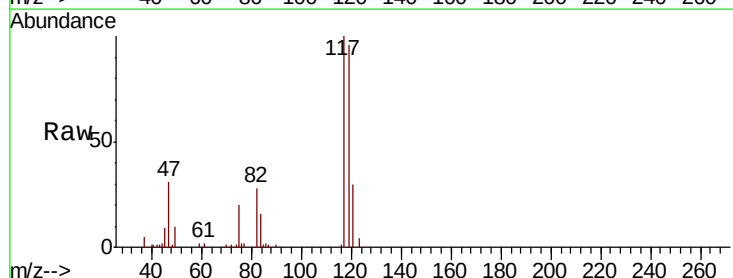
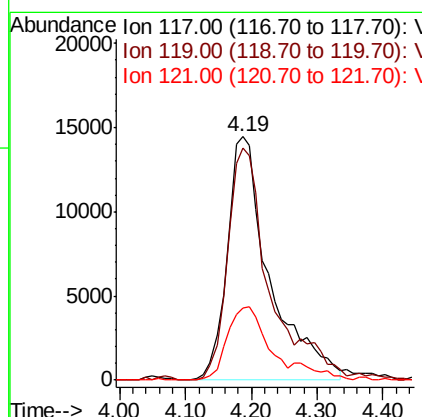
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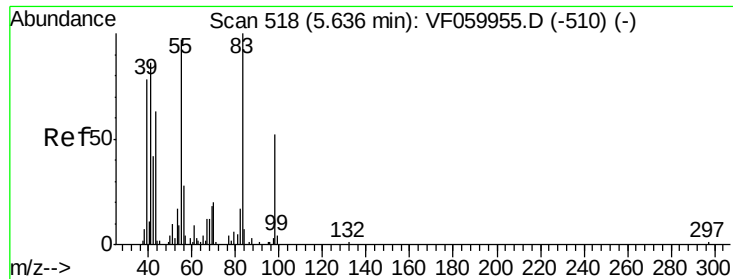
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#38
Carbon Tetrachloride
Concen: 23.56 ug/l
RT: 4.19 min Scan# 371
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	117	119	121	Ratio	Lower	Upper
65330	100	95.6	29.5			
		76.9	24.9			
		115.3	37.3			





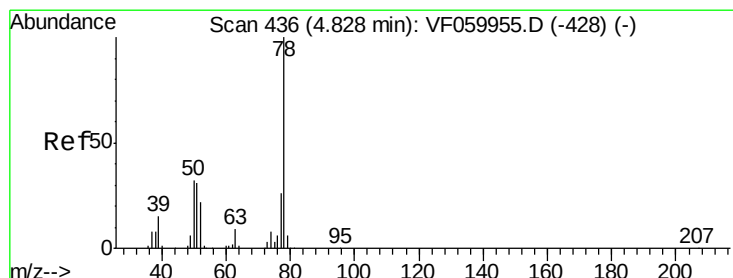
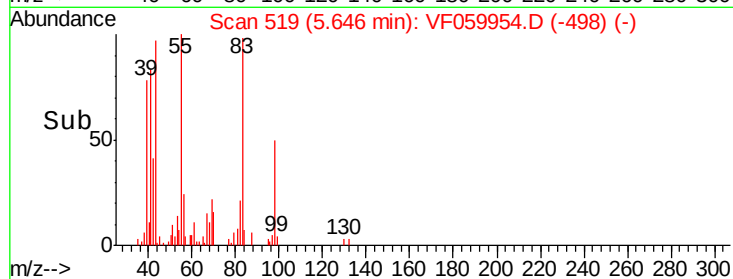
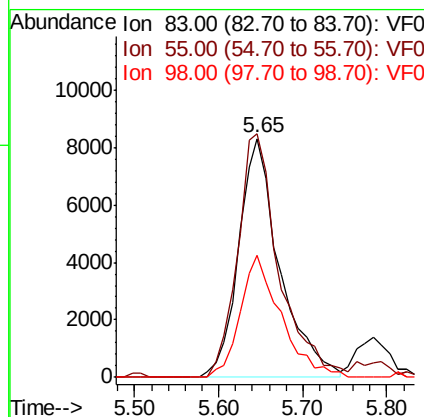
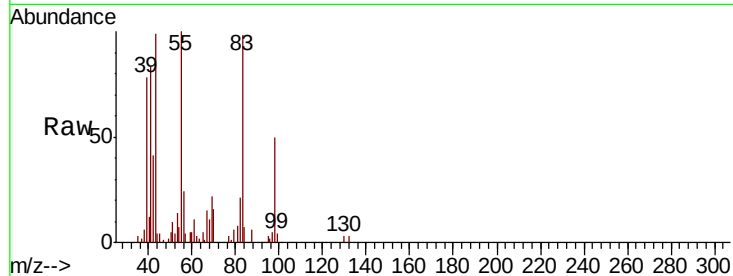
#39
Methylvlcyclohexane
Concen: 20.40 ug/l
RT: 5.65 min Scan# 519
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	102.0	77.4	116.2
98	51.1	41.5	62.3

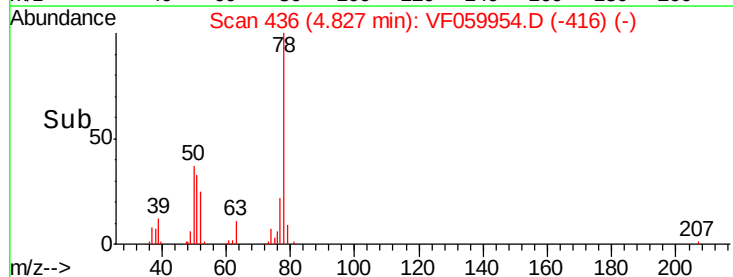
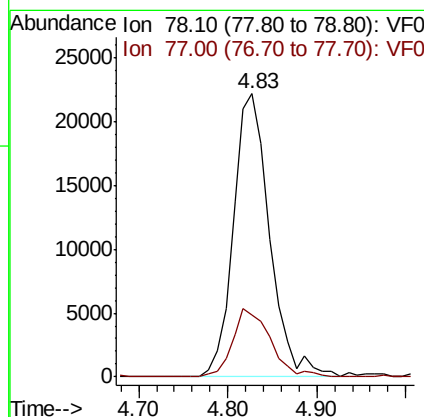
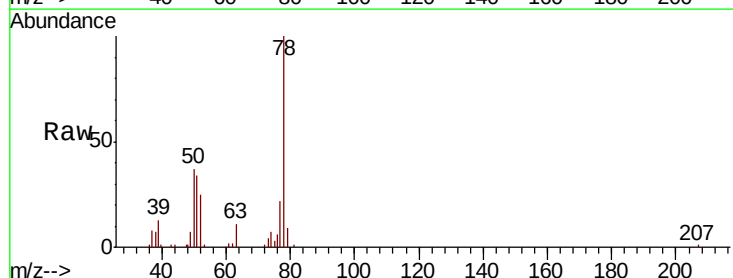
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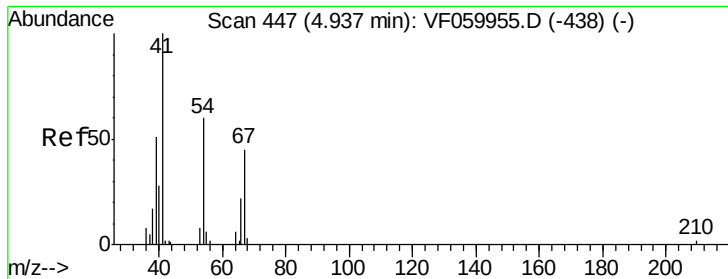
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#40
Benzene
Concen: 17.86 ug/l
RT: 4.83 min Scan# 436
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.1	21.1	31.7





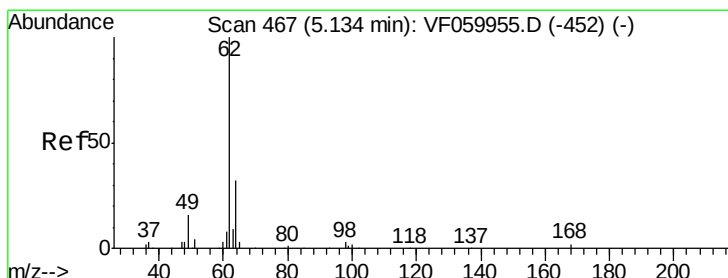
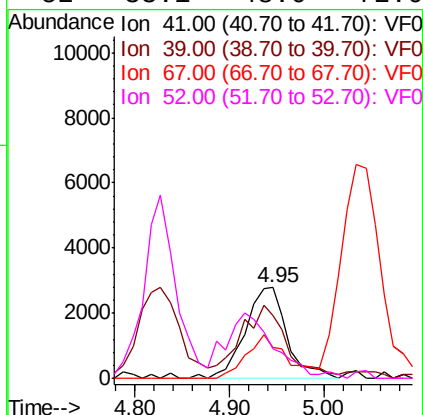
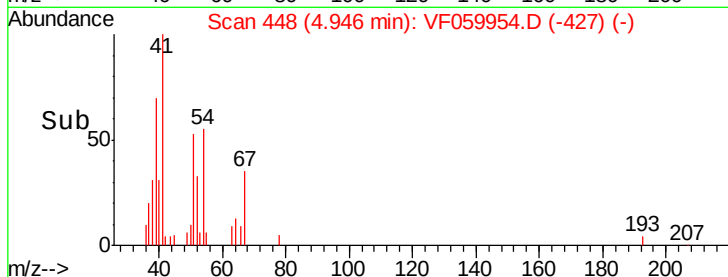
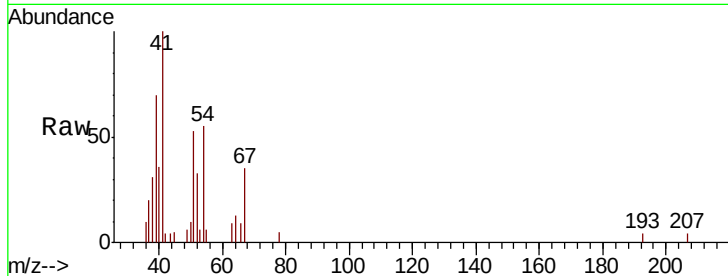
#41
Methacrylonitrile
Concen: 20.42 ug/l
RT: 4.95 min Scan# 448
Delta R.T. 0.01 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	75.7	113.5#
67	34.5	36.1	54.1#
52	33.1	48.0	72.0#

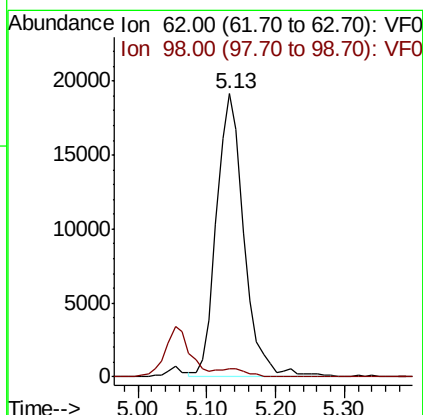
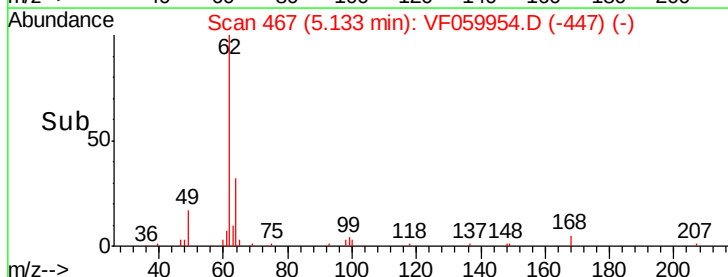
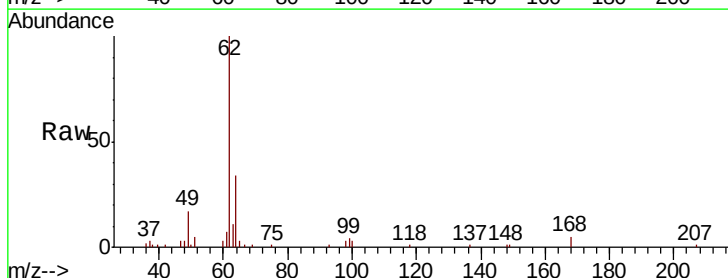
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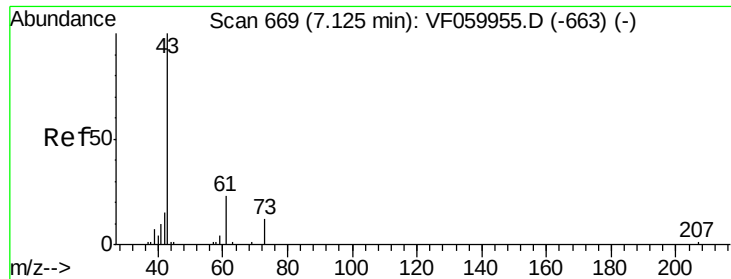
apatel
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#42
1,2-Dichloroethane
Concen: 20.43 ug/l
RT: 5.13 min Scan# 467
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.0	0.0	5.0





#43

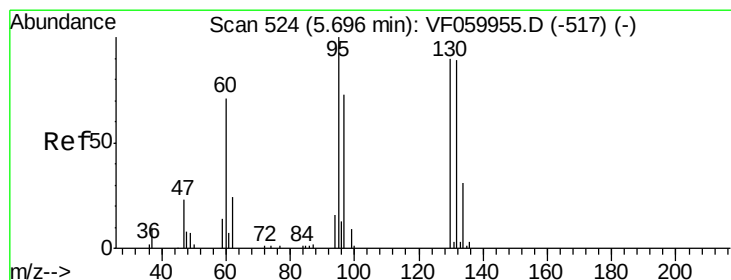
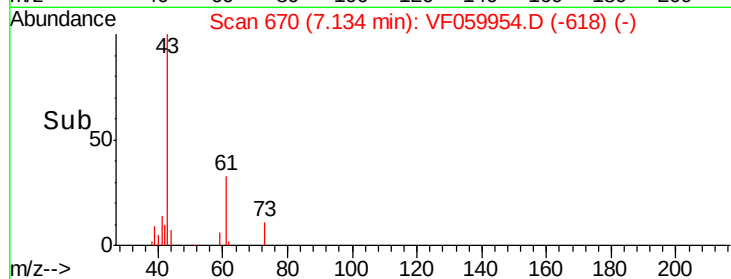
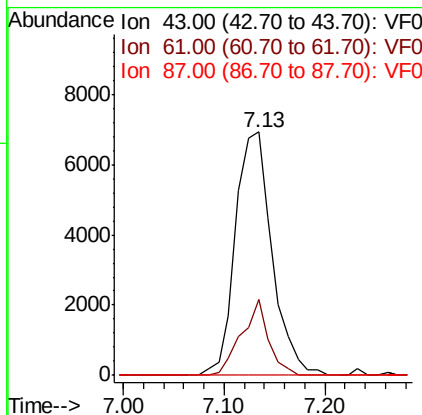
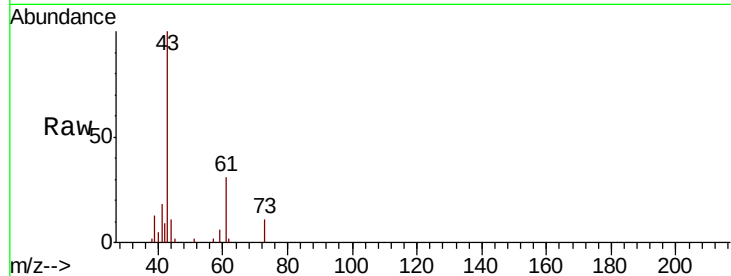
Isopropyl Acetate
 Concen: 20.82 ug/l
 RT: 7.13 min Scan# 670
 Delta R.T. 0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	18.6	27.8#
87	0.0	0.0	0.0

Manual Integrations
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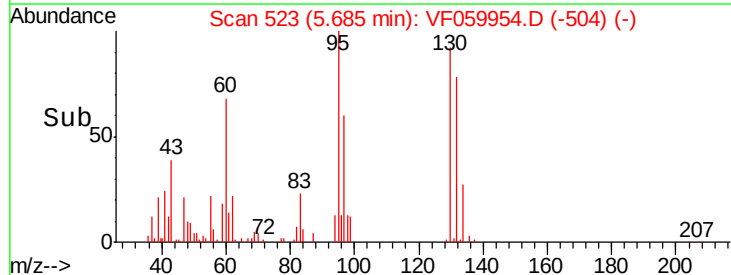
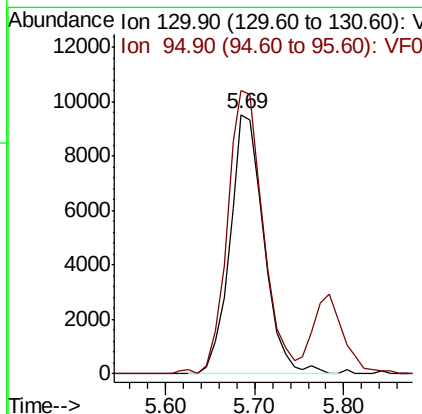
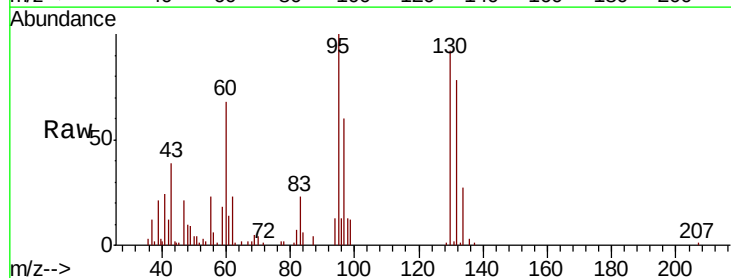
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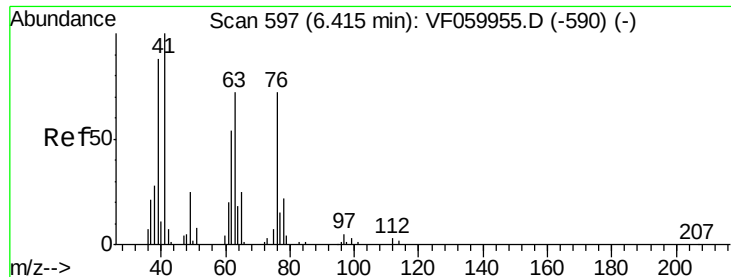


#44

Trichloroethene
 Concen: 20.46 ug/l
 RT: 5.69 min Scan# 523
 Delta R.T. -0.01 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.0	0.0	222.0





#45

1,2-Dichloropropane

Concen: 20.40 ug/l

RT: 6.41 min Scan# 597

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 17429

Ion Ratio Lower Upper

63 100

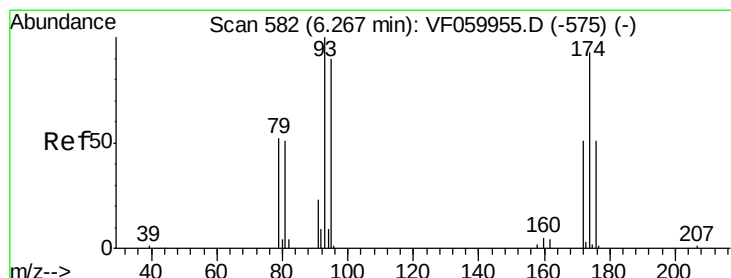
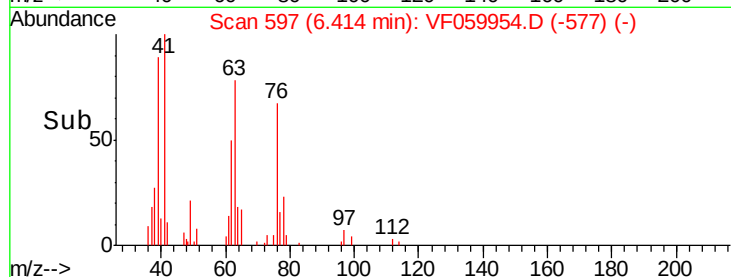
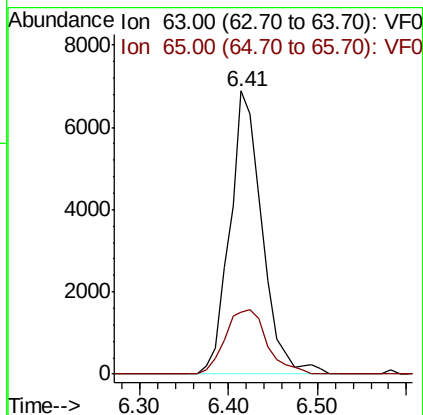
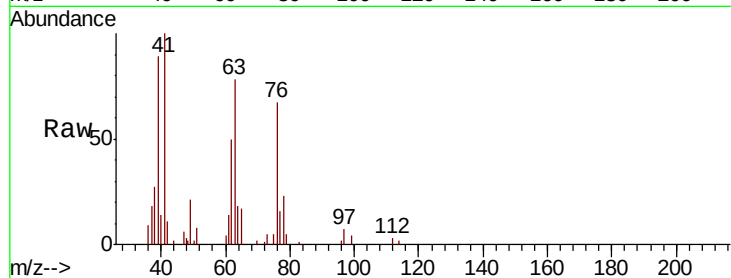
65 22.0 27.8 41.6#

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#46

Dibromomethane

Concen: 18.22 ug/l

RT: 6.27 min Scan# 582

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

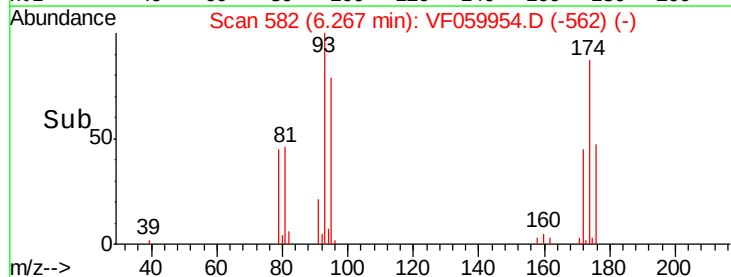
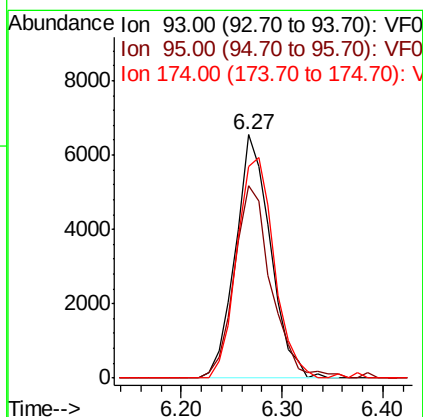
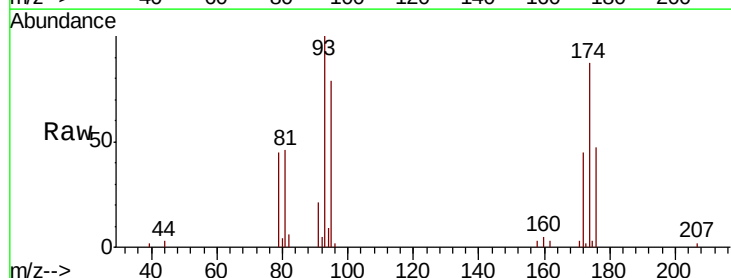
Tgt Ion: 93 Resp: 15780

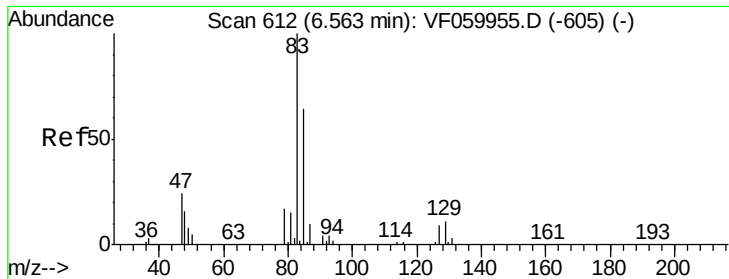
Ion Ratio Lower Upper

93 100

95 79.2 72.4 108.6

174 87.1 75.9 113.9





#47

Bromodichloromethane

Concen: 20.88 ug/l

RT: 6.56 min Scan# 612

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

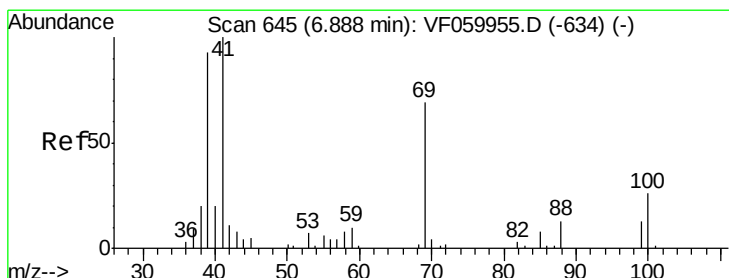
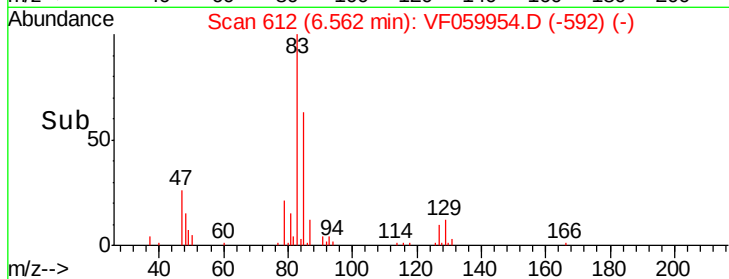
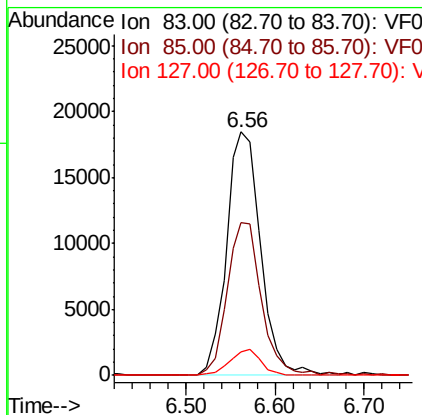
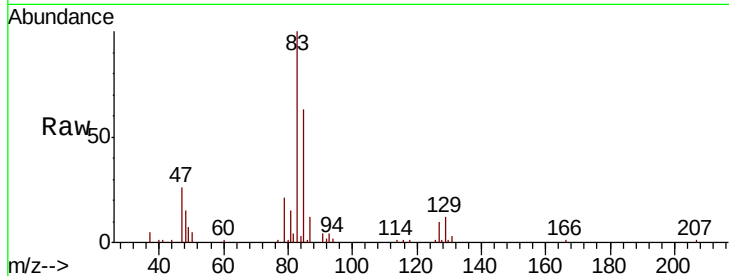
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	49545
Ion	Ratio	Lower	Upper
83	100		
85	62.9	51.5	77.3
127	9.9	7.5	11.3

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#48

Methyl methacrylate

Concen: 19.61 ug/l

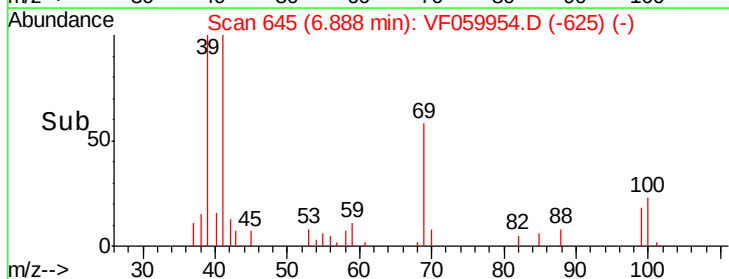
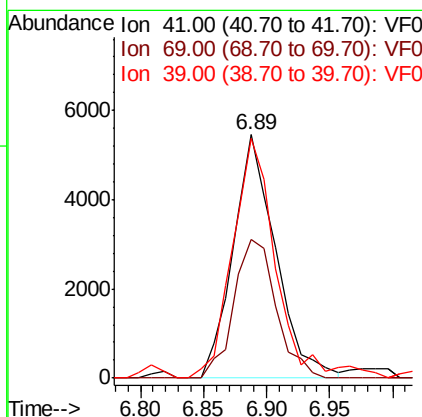
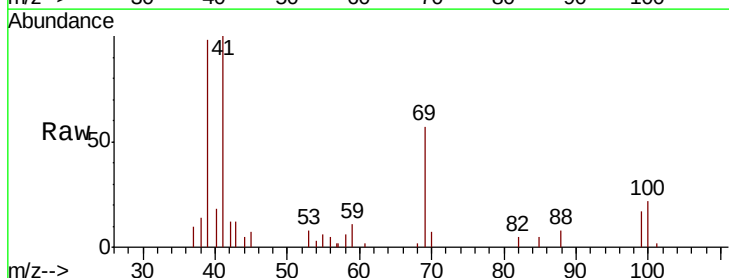
RT: 6.89 min Scan# 645

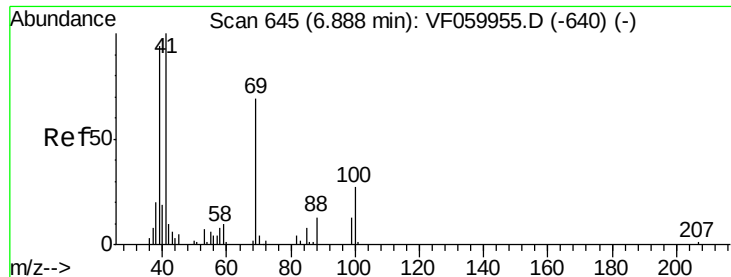
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	41	Resp:	12716
Ion	Ratio	Lower	Upper
41	100		
69	56.8	54.8	82.2
39	98.4	75.1	112.7





#49

1,4-Dioxane

Concen: 427.67 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

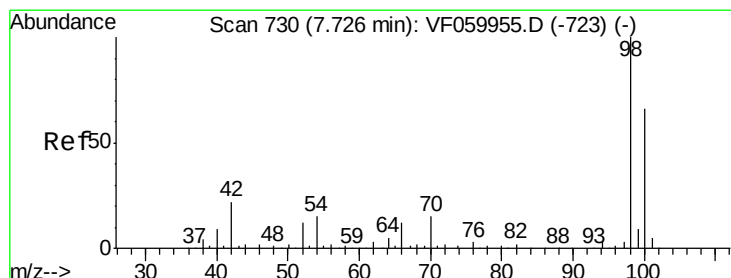
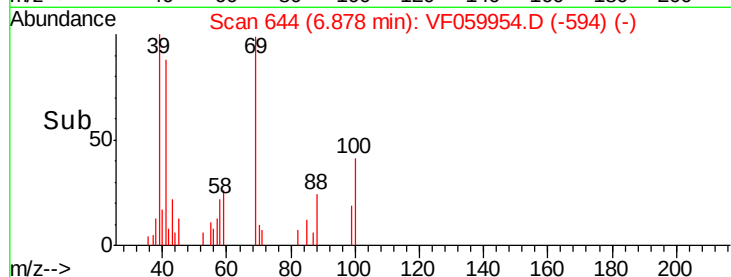
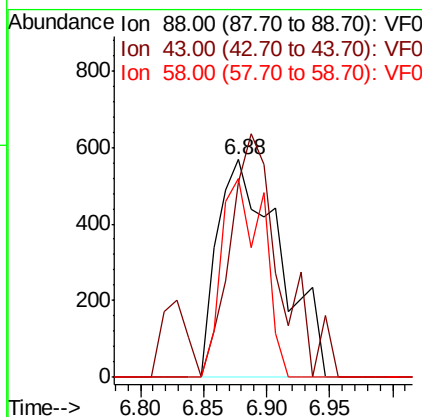
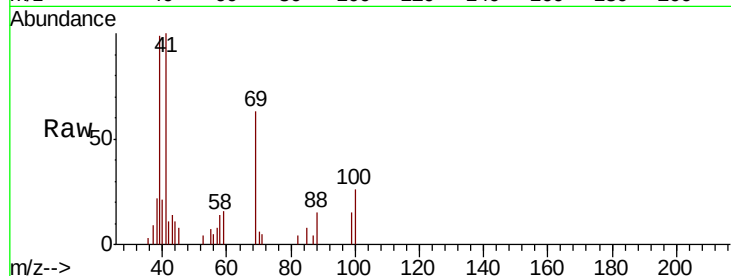
ClientSampleId :

VSTDIC020

Tot Ion:	88	Resp:	1953
Ion	Ratio	Lower	Upper
88	100		
43	89.8	47.9	71.9#
58	91.4	52.0	78.0#

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#50

Toluene-d8

Concen: 21.54 ug/l

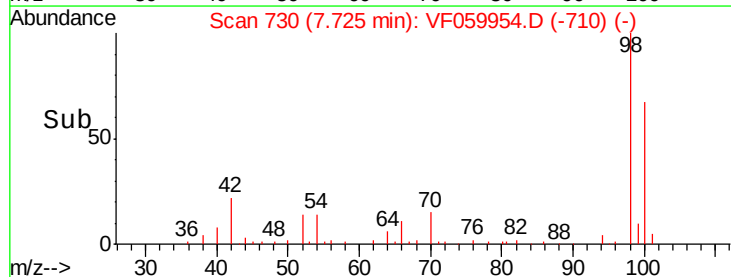
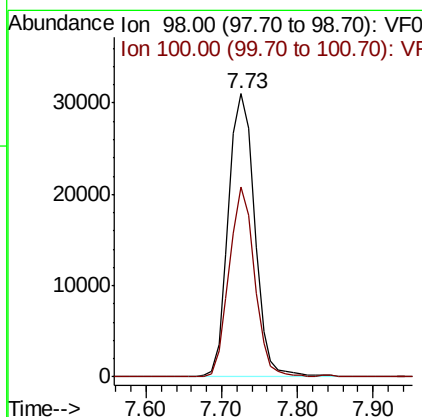
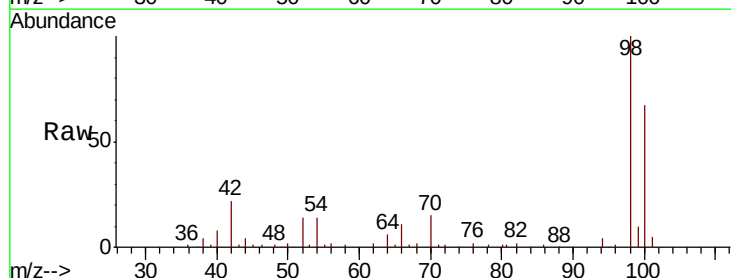
RT: 7.73 min Scan# 730

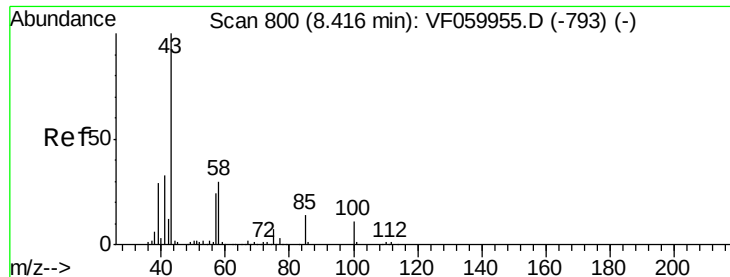
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	98	Resp:	74831
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.9	79.3





#51

4-Methyl-2-Pentanone

Concen: 103.05 ug/l

RT: 8.43 min Scan# 801

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 87930

Ion Ratio Lower Upper

43 100

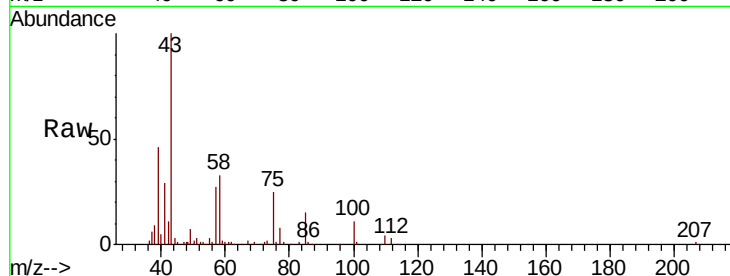
58 32.9 24.2 36.4

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.43

40000

30000

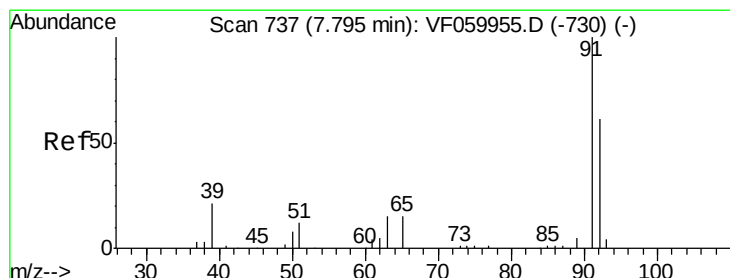
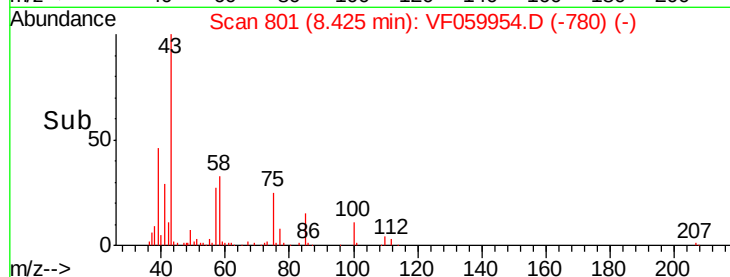
20000

10000

0

8.30 8.40 8.50

Time-->



#52

Toluene

Concen: 20.91 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059954.D

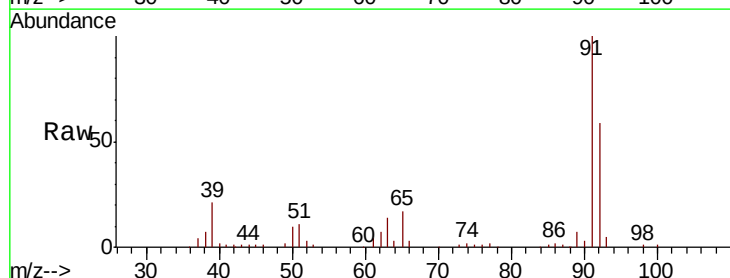
Acq: 14 Aug 2018 19:37

Tgt Ion: 92 Resp: 49371

Ion Ratio Lower Upper

92 100

91 168.9 131.2 196.8



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.79

40000

30000

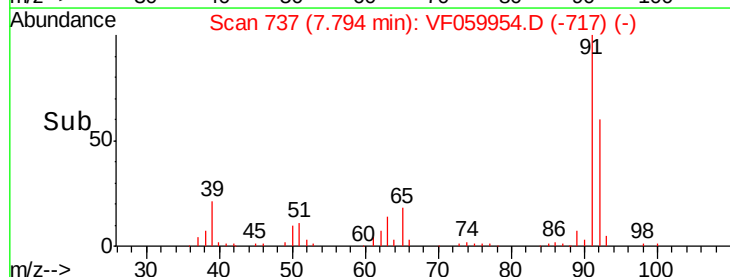
20000

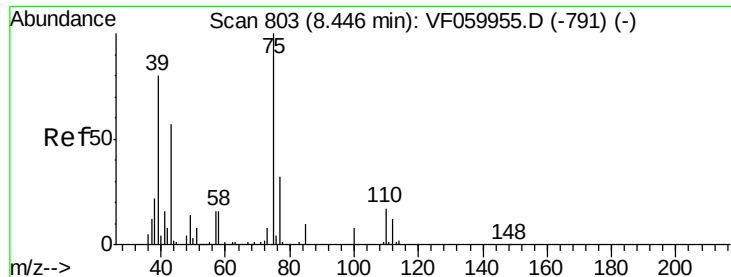
10000

0

7.70 7.80 7.90

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.54 ug/l

RT: 8.45 min Scan# 803

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tot Ion: 75 Resp: 41417

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.6

Instrument :

MSVOA_F

ClientSampleId :

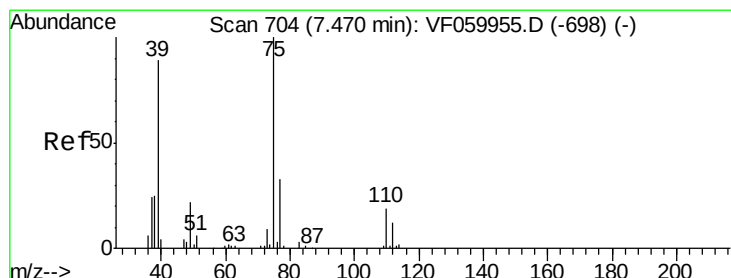
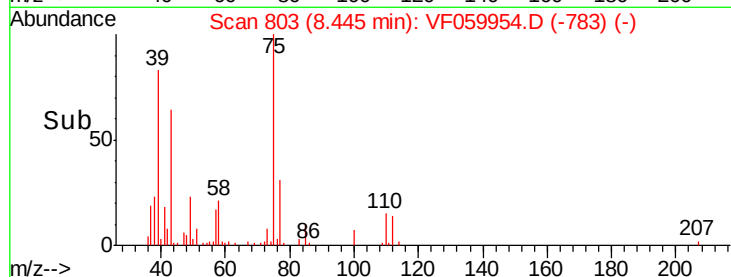
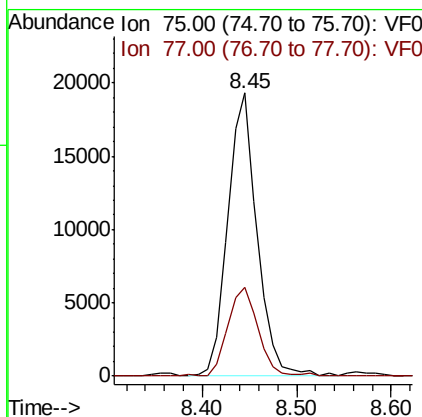
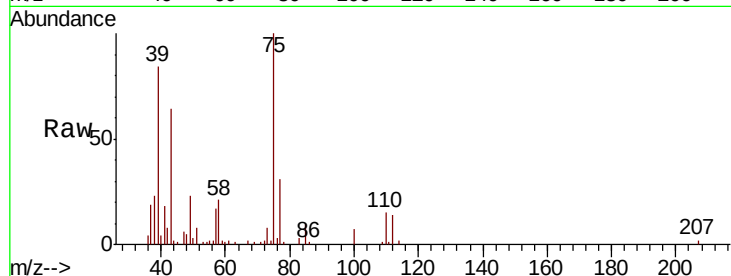
VSTDIC020

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#54

cis-1,3-Dichloropropene

Concen: 20.24 ug/l

RT: 7.48 min Scan# 705

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

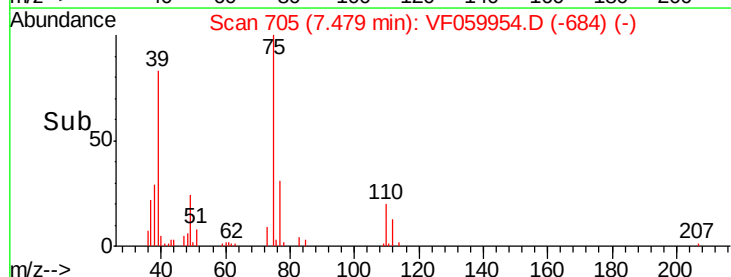
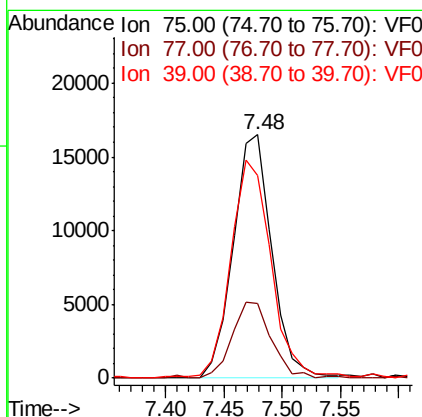
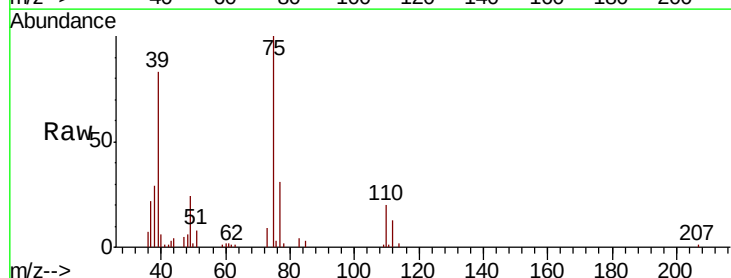
Tgt Ion: 75 Resp: 37997

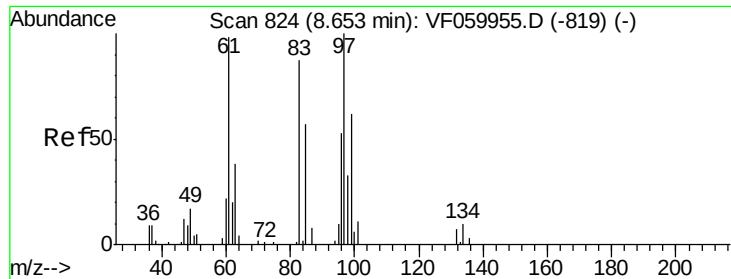
Ion Ratio Lower Upper

75 100

77 30.6 26.1 39.1

39 83.2 71.6 107.4





#55

1,1,2-Trichloroethane

Concen: 20.04 ug/l

RT: 8.65 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

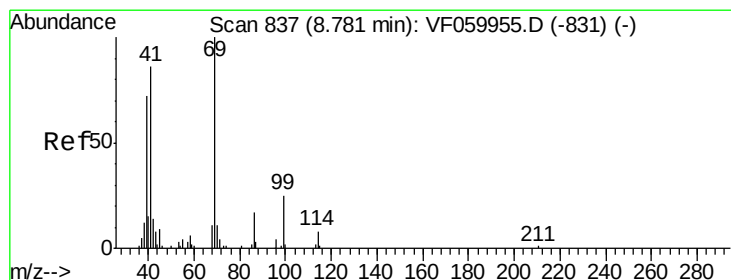
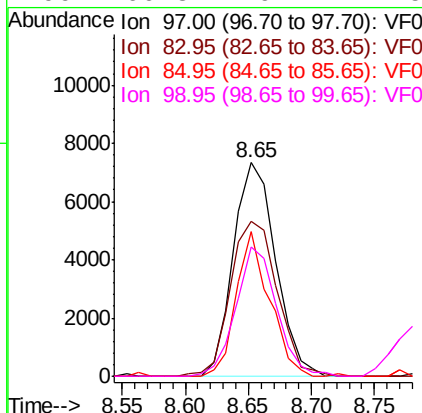
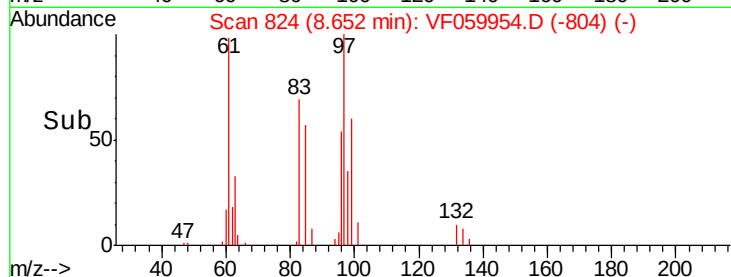
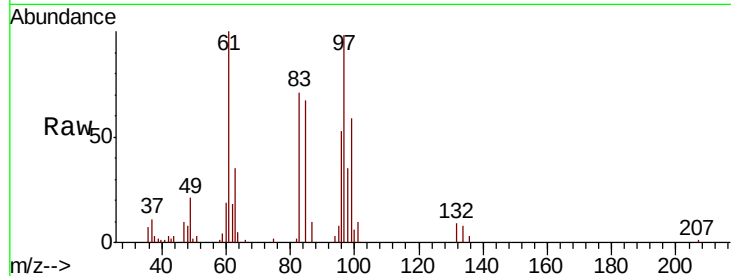
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	17022
Ion	Ratio	Lower	Upper
97	100		
83	72.3	70.0	105.0
85	67.9	45.2	67.8#
99	60.3	49.7	74.5

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#56

Ethyl methacrylate

Concen: 19.97 ug/l

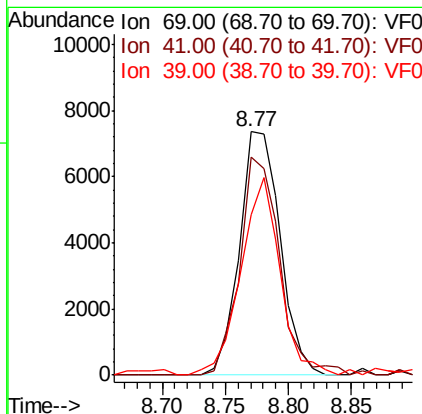
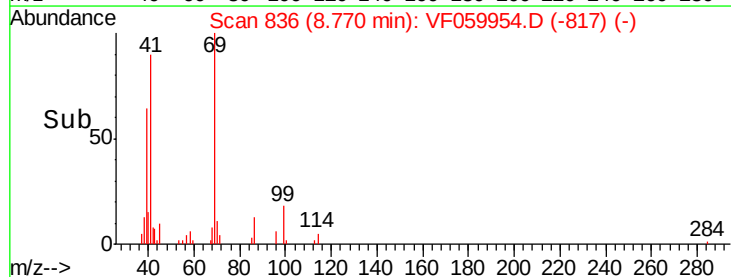
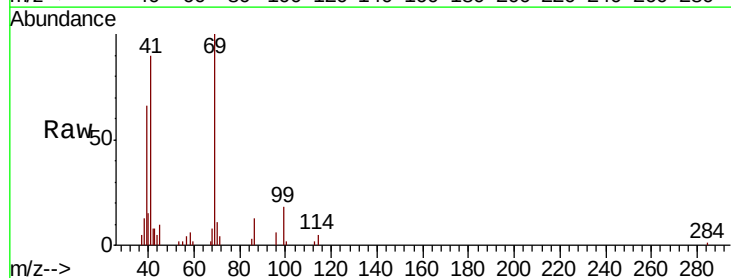
RT: 8.77 min Scan# 836

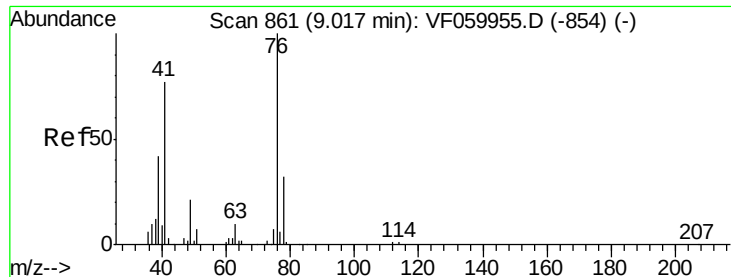
Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	69	Resp:	16501
Ion	Ratio	Lower	Upper
69	100		
41	89.7	68.7	103.1
39	65.9	58.5	87.7





#57

1,3-Dichloropropane

Concen: 21.00 ug/l

RT: 9.02 min Scan# 861

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 30966

Ion Ratio Lower Upper

76 100

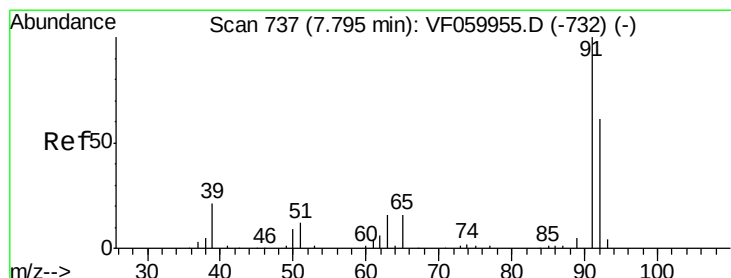
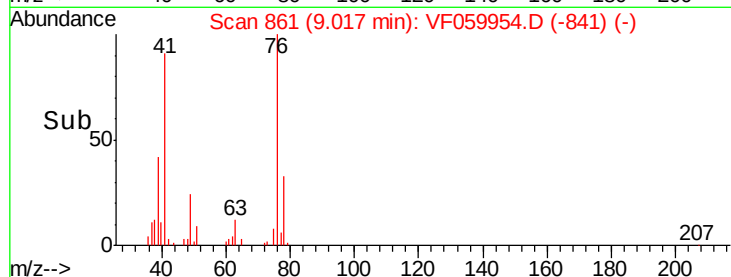
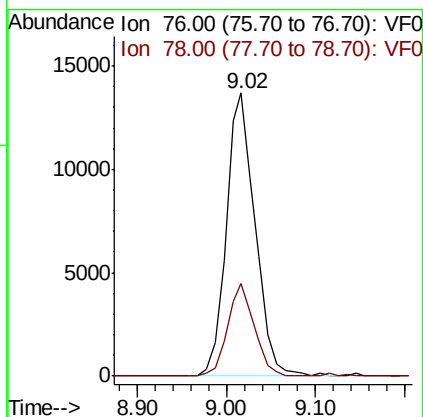
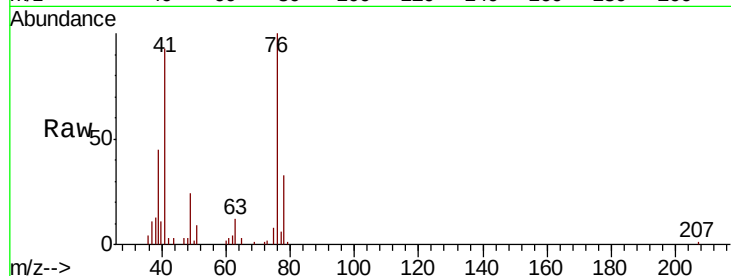
78 32.5 25.5 38.3

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#58

2-Chloroethyl Vinyl ether

Concen: 108.93 ug/l

RT: 7.79 min Scan# 737

Delta R.T. -0.00 min

Lab File: VF059954.D

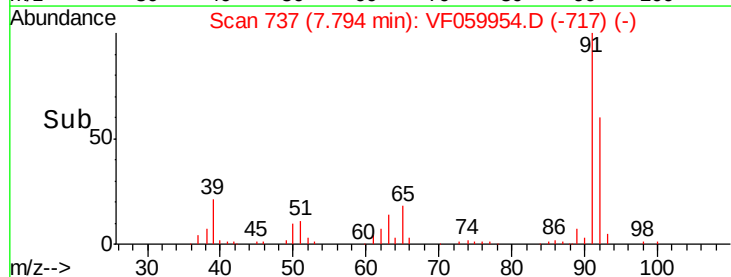
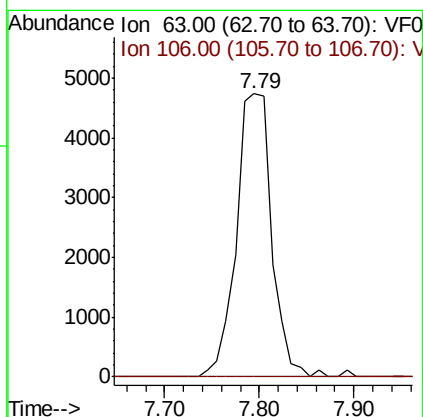
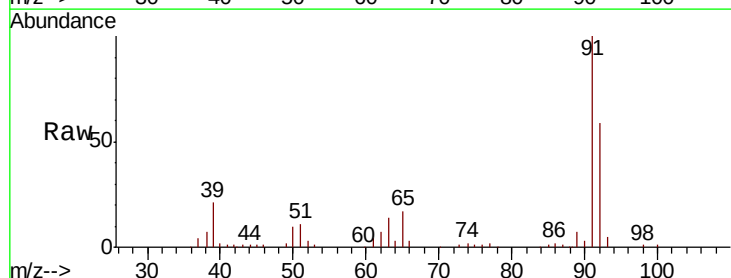
Acq: 14 Aug 2018 19:37

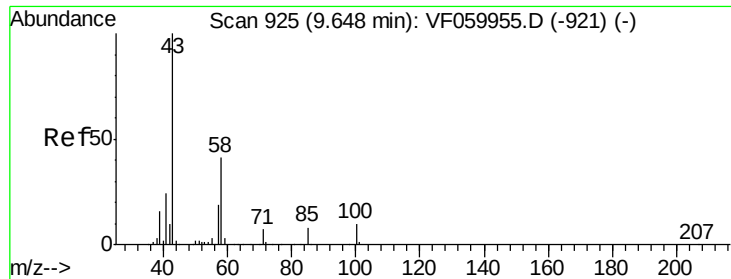
Tgt Ion: 63 Resp: 12239

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





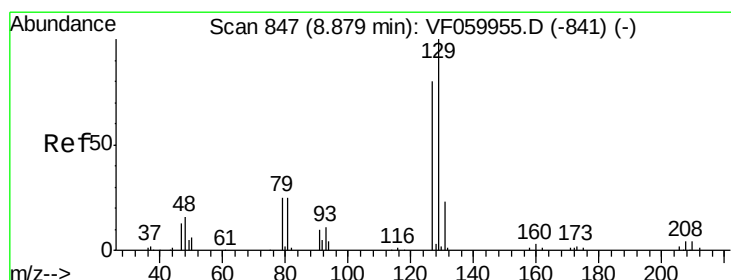
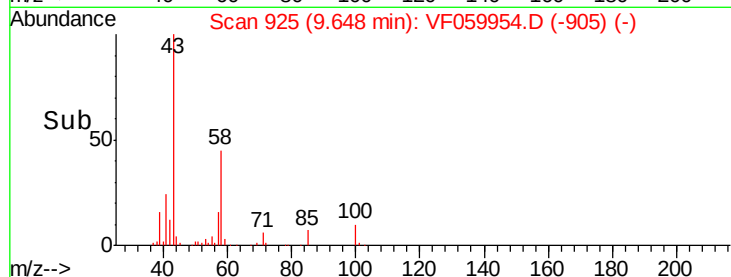
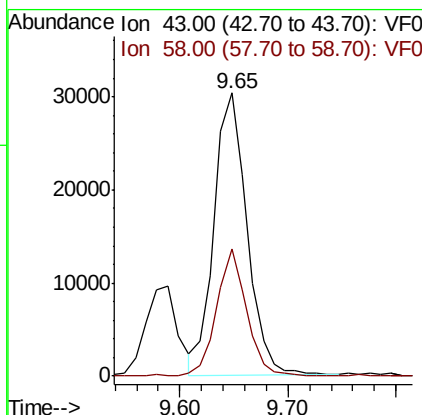
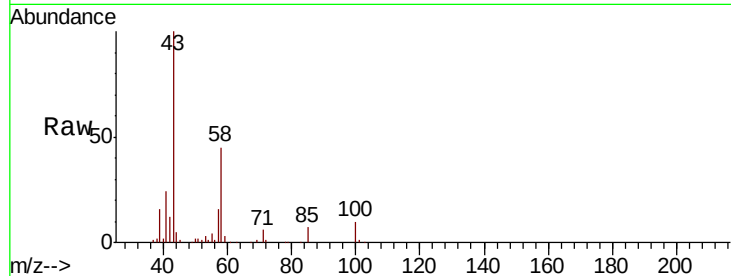
#59
2-Hexanone
Concen: 105.08 ug/l
RT: 9.65 min Scan# 925
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.9	19.4	58.2

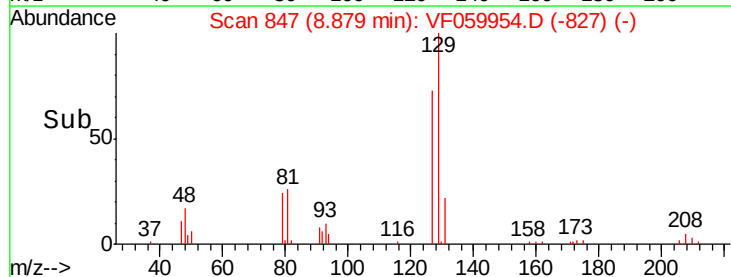
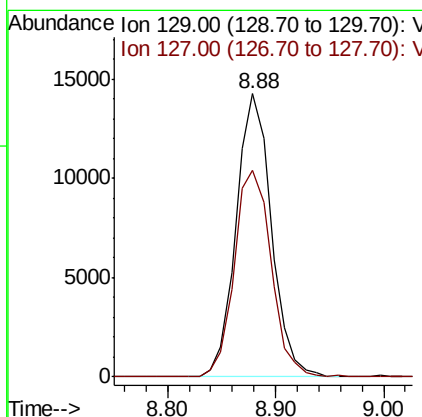
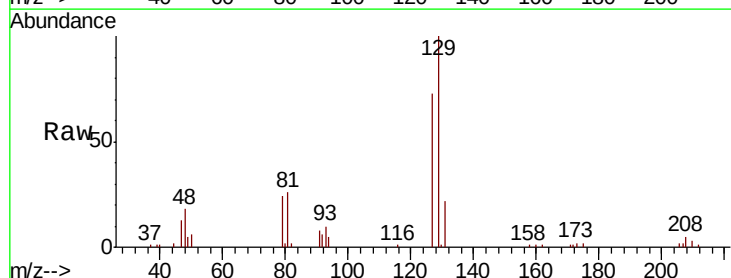
Manual Integrations
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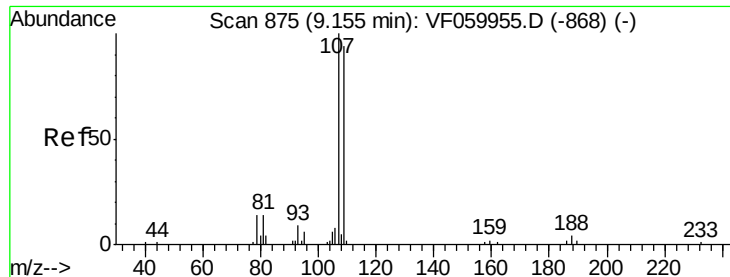
apatel
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#60
Dibromochloromethane
Concen: 20.17 ug/l
RT: 8.88 min Scan# 847
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	72.3	40.0	119.9





#61

1,2-Dibromoethane

Concen: 19.59 ug/l

RT: 9.15 min Scan# 875

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:107 Resp: 20270

Ion Ratio Lower Upper

107 100

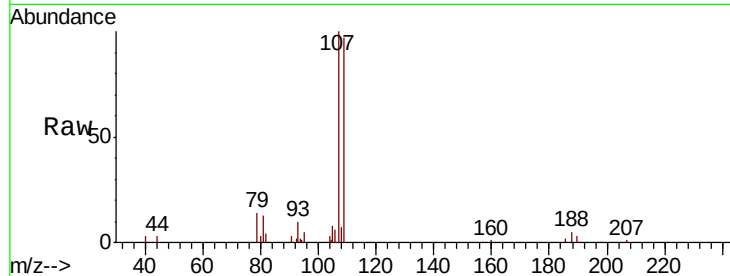
109 97.4 75.0 112.6

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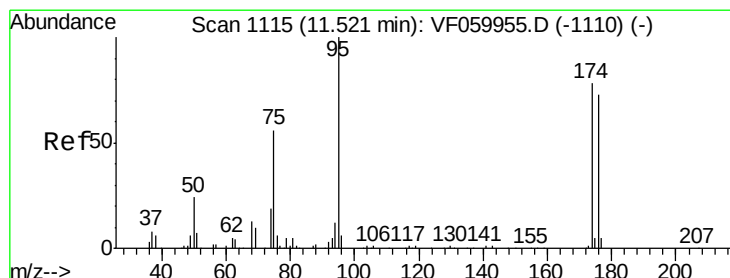
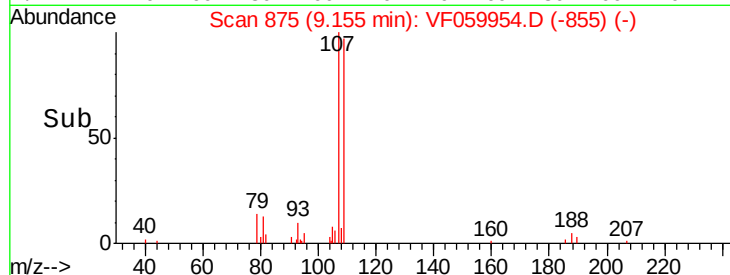
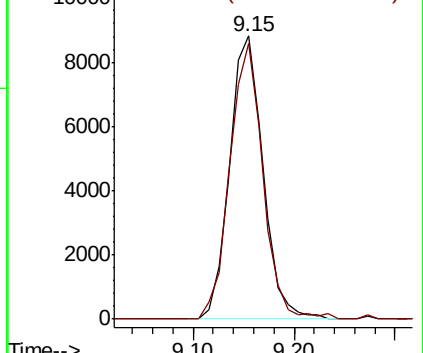
apatel

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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: 21.93 ug/l

RT: 11.52 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

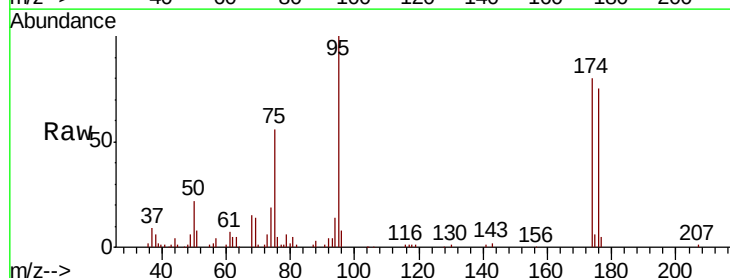
Tgt Ion: 95 Resp: 42865

Ion Ratio Lower Upper

95 100

174 80.0 0.0 156.4

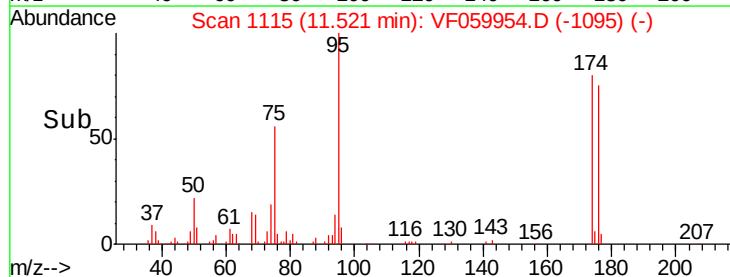
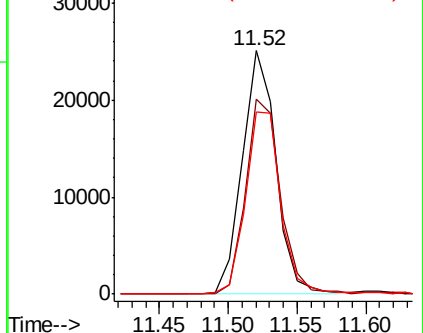
176 75.0 0.0 146.8

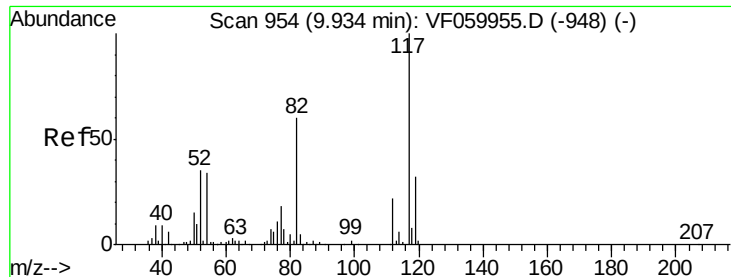


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





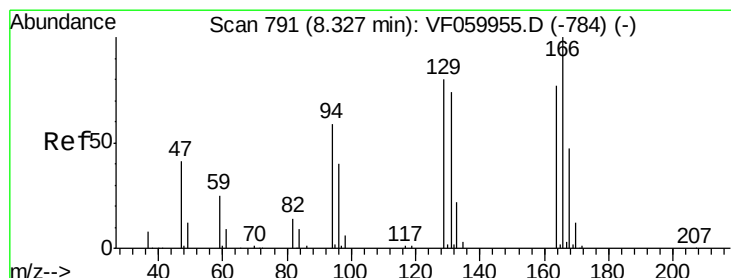
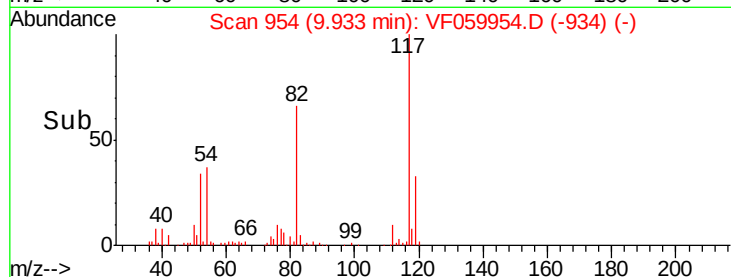
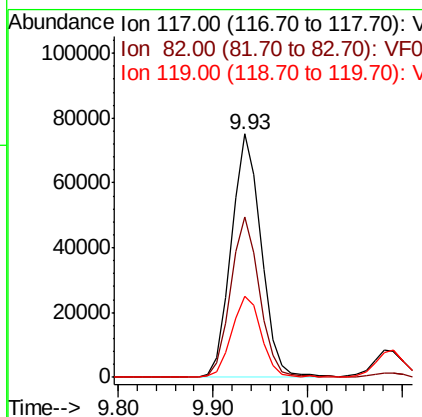
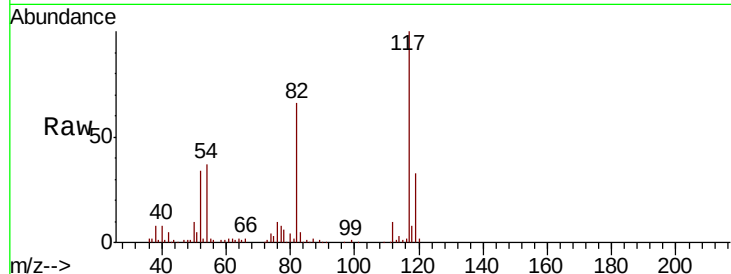
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.93 min Scan# 954
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	164170		
82	65.8	48.3	72.5	
119	33.2	25.7	38.5	

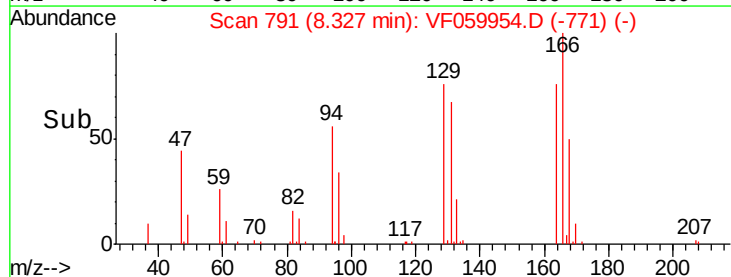
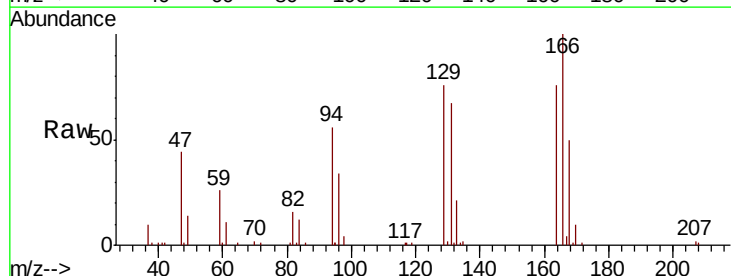
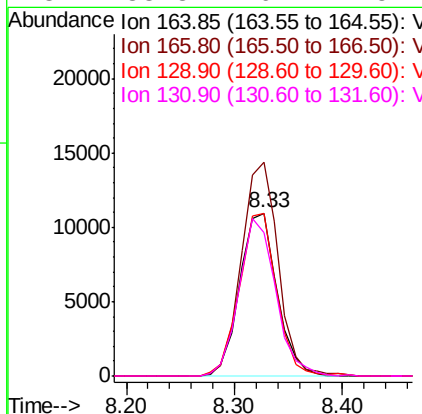
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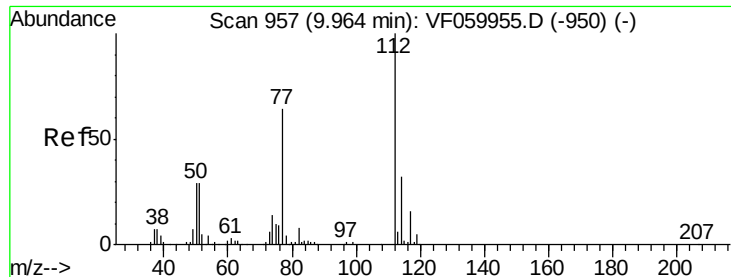
apatel
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#64
Tetrachloroethene
Concen: 19.13 ug/l
RT: 8.33 min Scan# 791
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26234		
166	131.3	103.4	155.2	
129	99.7	82.2	123.4	
131	88.3	76.7	115.1	





#65

Chlorobenzene

Concen: 20.36 ug/l

RT: 9.95 min Scan# 956

Delta R.T. -0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:112 Resp: 66947

Ion Ratio Lower Upper

112 100

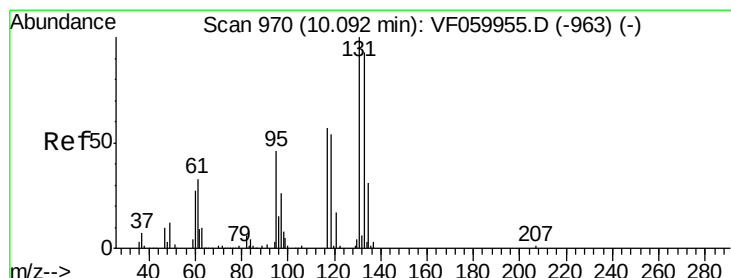
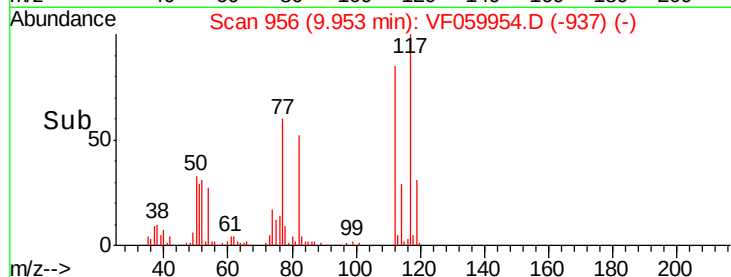
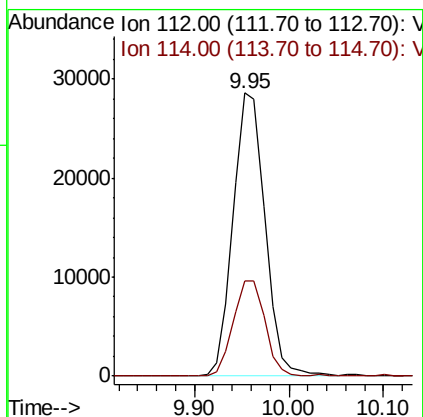
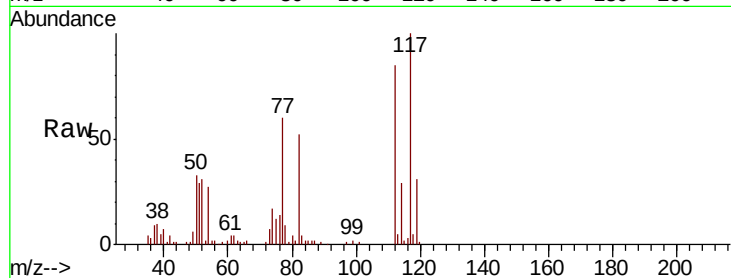
114 33.6 25.8 38.6

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.45 ug/l

RT: 10.09 min Scan# 970

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

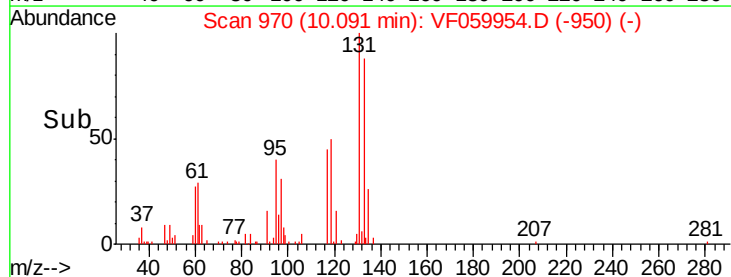
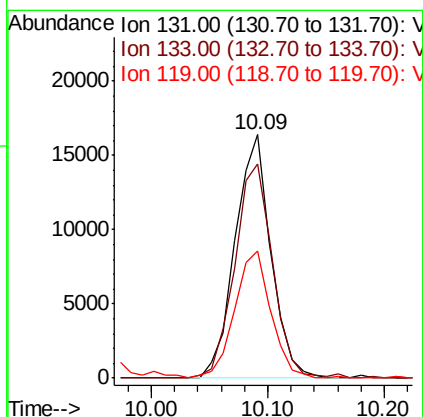
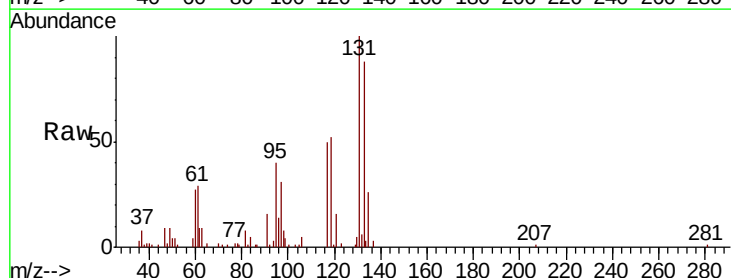
Tgt Ion:131 Resp: 34839

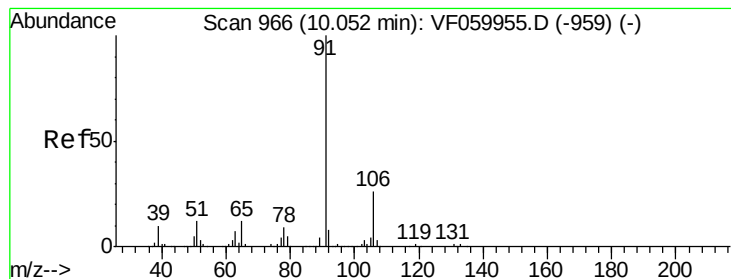
Ion Ratio Lower Upper

131 100

133 87.8 46.4 139.1

119 52.2 27.2 81.5





#67

Ethyl Benzene

Concen: 21.09 ug/l

RT: 10.05 min Scan# 966

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 120023

Ion Ratio Lower Upper

91 100

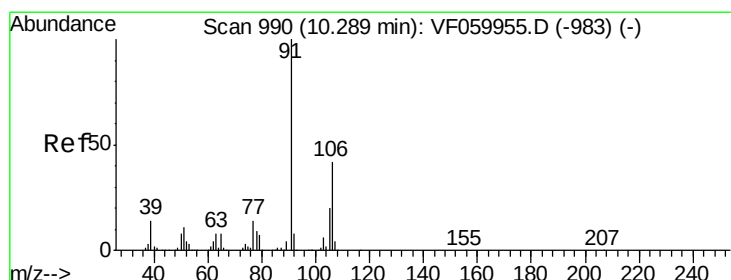
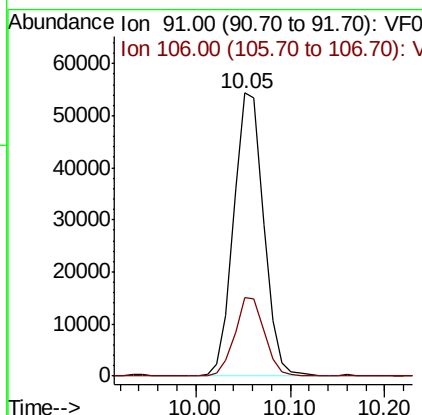
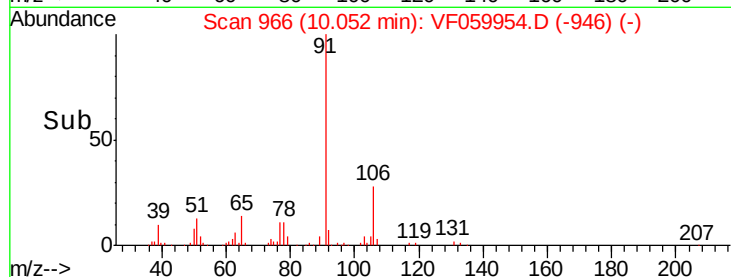
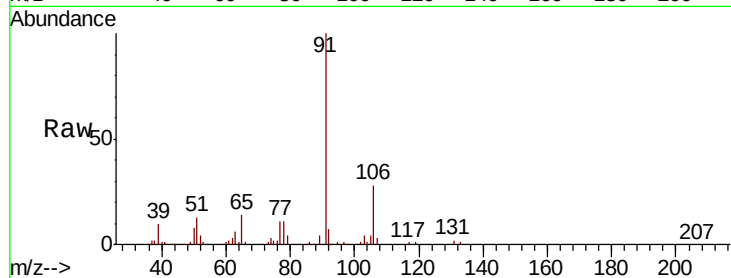
106 27.9 20.7 31.1

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#68

m/p-Xylenes

Concen: 41.16 ug/l

RT: 10.29 min Scan# 990

Delta R.T. -0.00 min

Lab File: VF059954.D

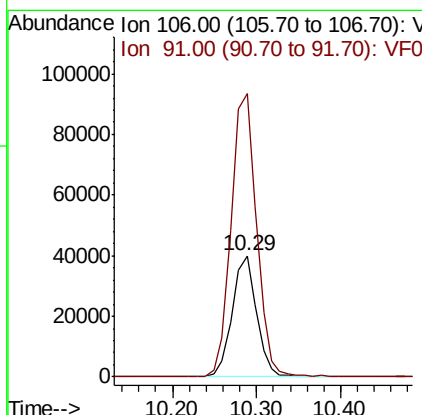
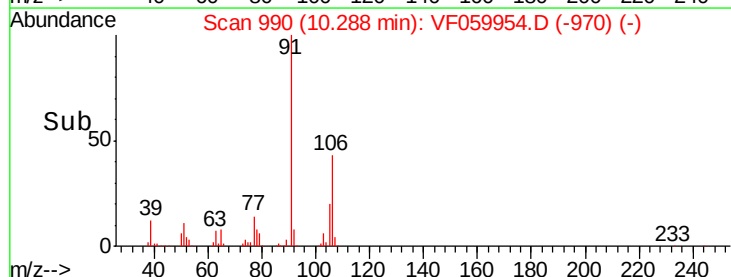
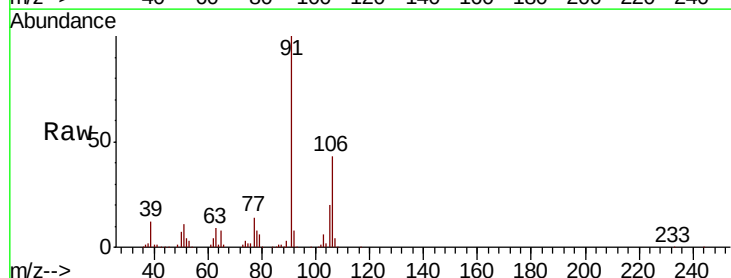
Acq: 14 Aug 2018 19:37

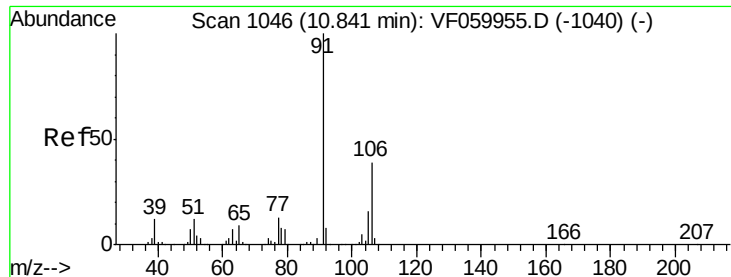
Tgt Ion: 106 Resp: 81027

Ion Ratio Lower Upper

106 100

91 233.2 191.8 287.8





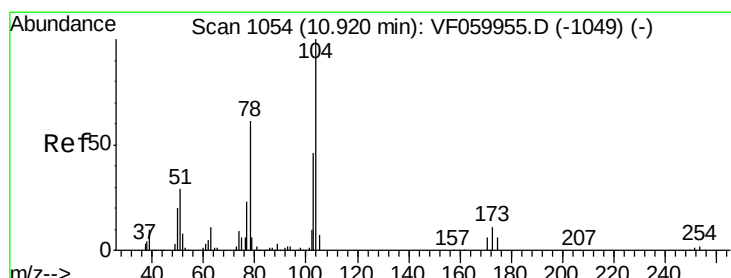
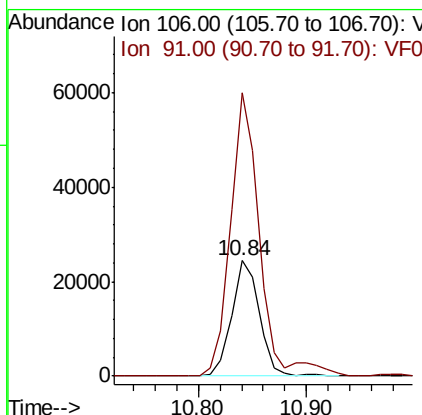
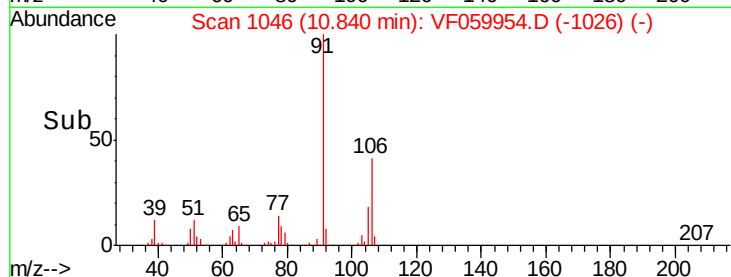
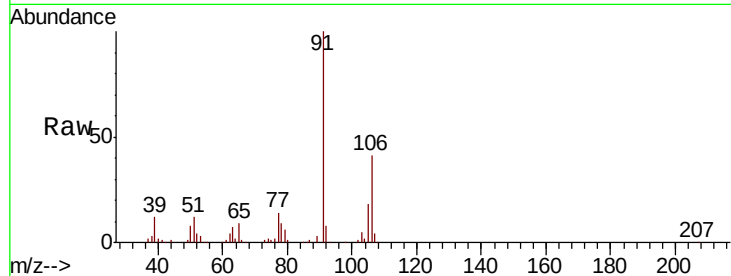
#69
o-Xylene
Concen: 21.11 ug/l
RT: 10.84 min Scan# 1046
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	245.0	126.8	380.6

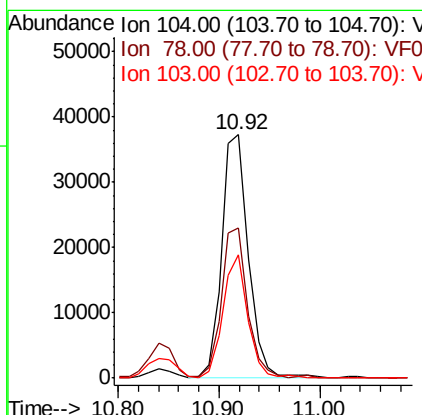
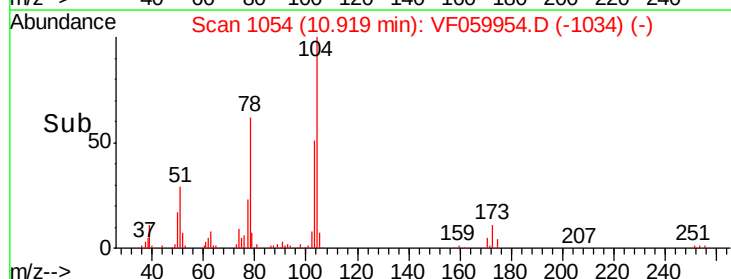
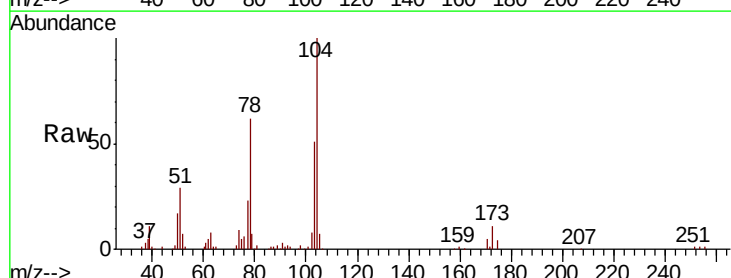
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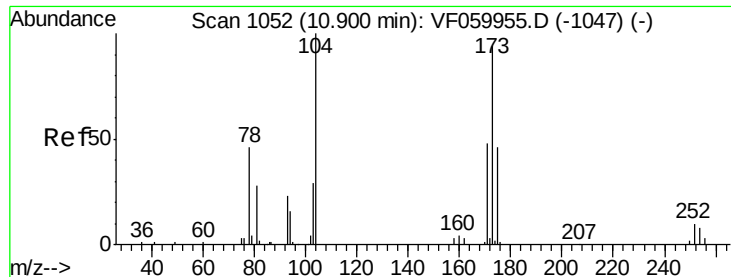
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#70
Styrene
Concen: 22.09 ug/l
RT: 10.92 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	61.8	49.2	73.8
103	50.6	37.4	56.0





#71

Bromoform

Concen: 19.73 ug/l

RT: 10.90 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 19770

Ion Ratio Lower Upper

173 100

175 45.0 24.6 73.6

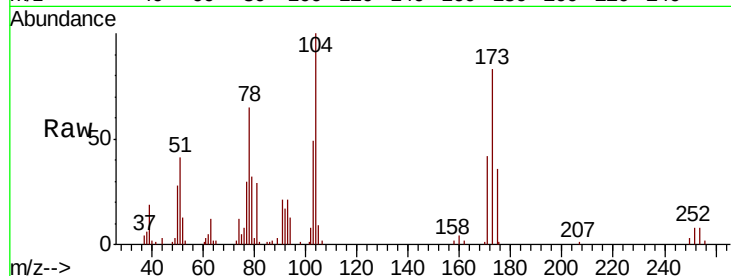
254 0.0 0.0 0.0

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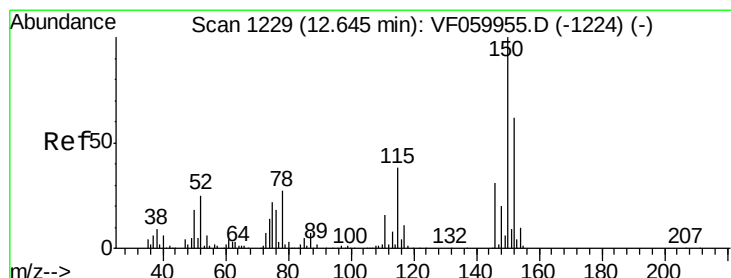
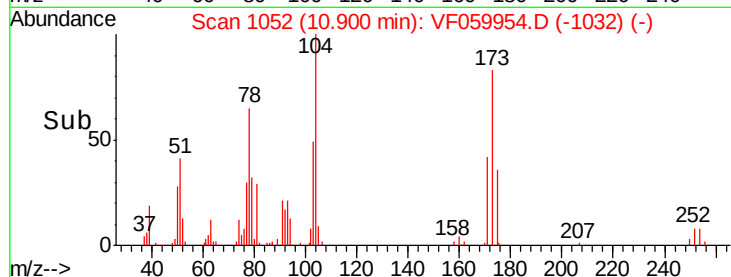
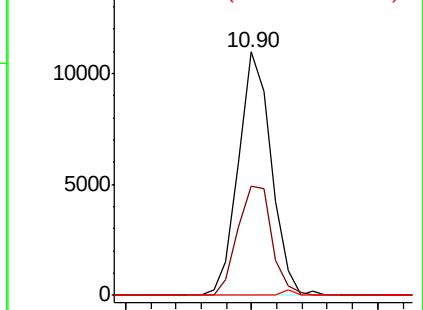
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Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

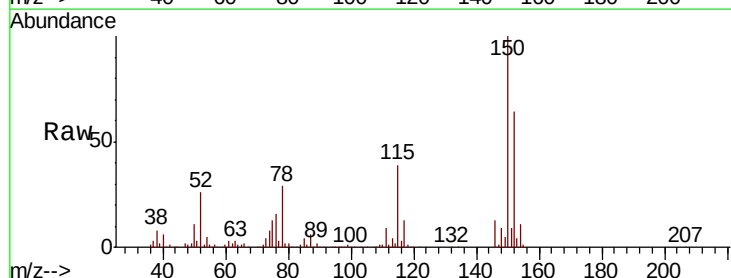
Tgt Ion:152 Resp: 108944

Ion Ratio Lower Upper

152 100

115 62.1 31.4 94.0

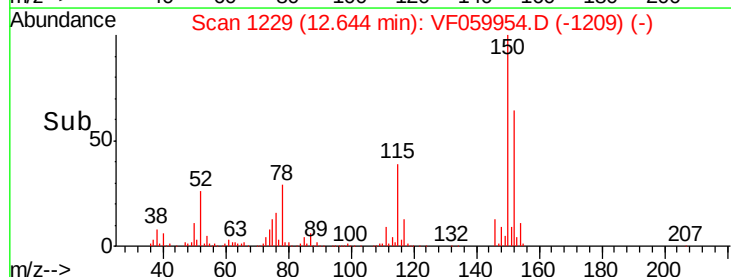
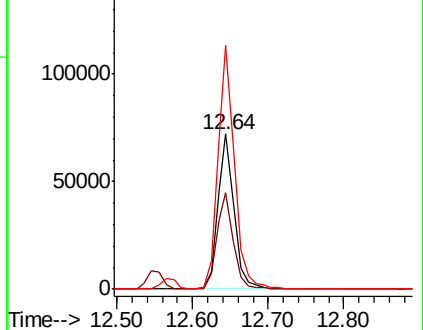
150 157.4 0.0 326.2

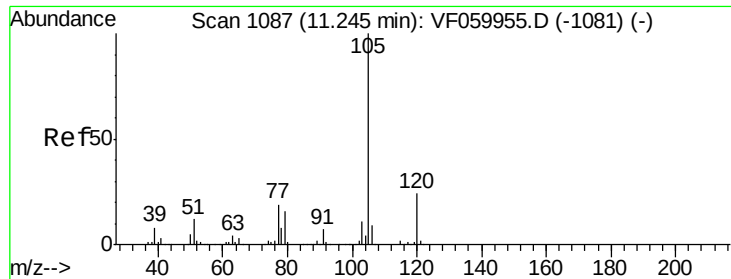


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.28 ug/l

RT: 11.24 min Scan# 1087

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 150224

Ion Ratio Lower Upper

105 100

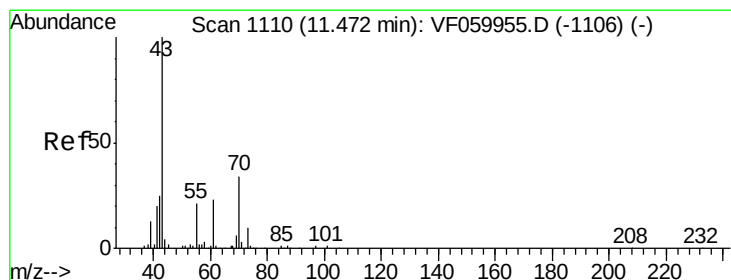
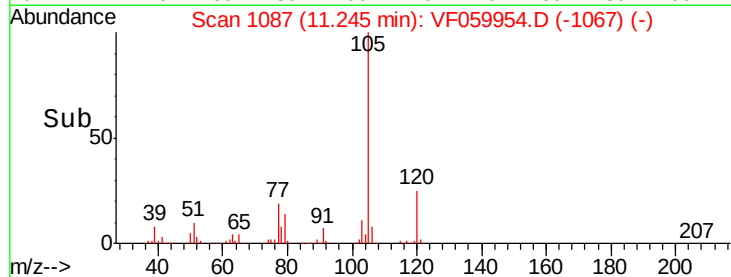
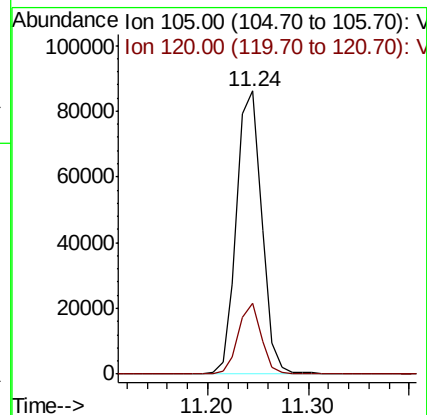
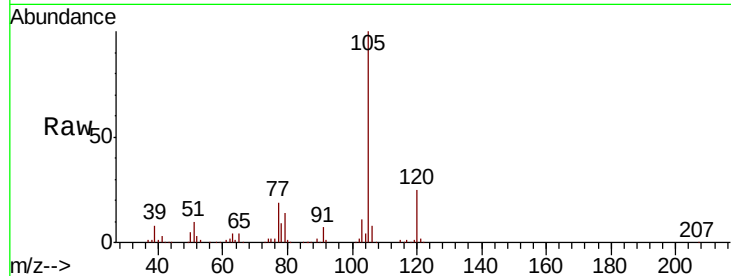
120 25.2 11.9 35.9

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#74

N-ethyl acetate

Concen: 20.62 ug/l

RT: 11.48 min Scan# 1111

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion: 43 Resp: 31478

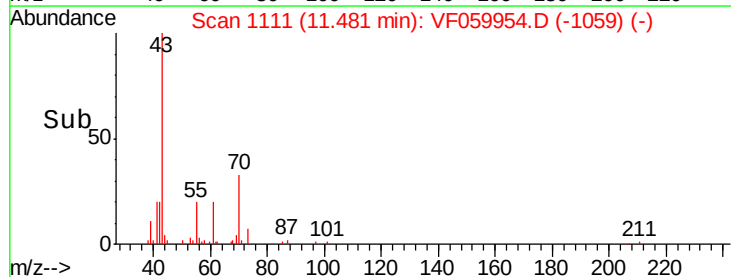
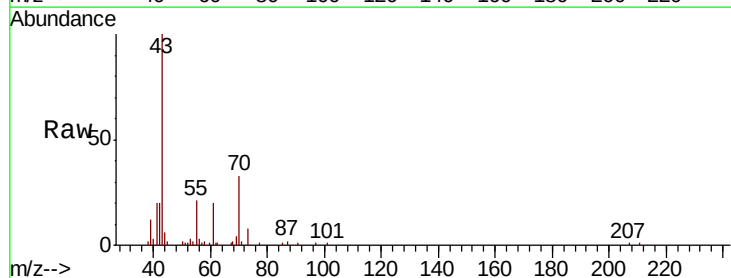
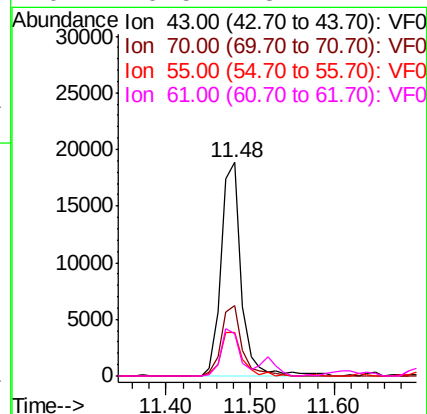
Ion Ratio Lower Upper

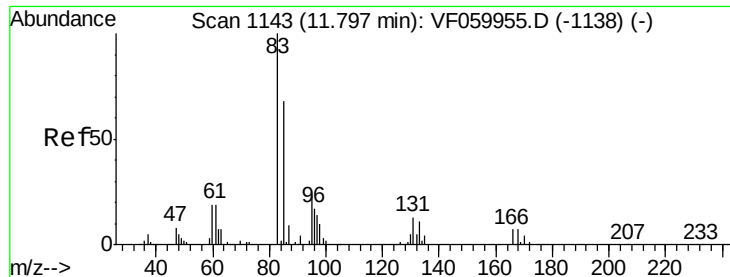
43 100

70 32.9 26.9 40.3

55 20.6 16.9 25.3

61 19.5 18.1 27.1





#75

1,1,2,2-Tetrachloroethane

Concen: 18.67 ug/l

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

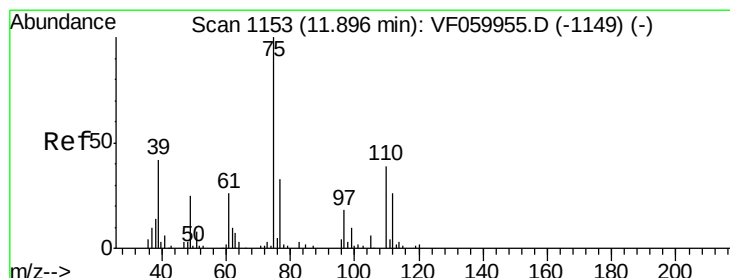
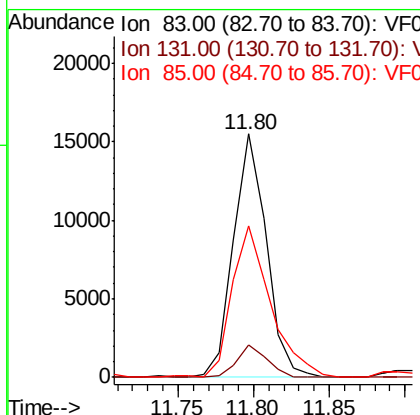
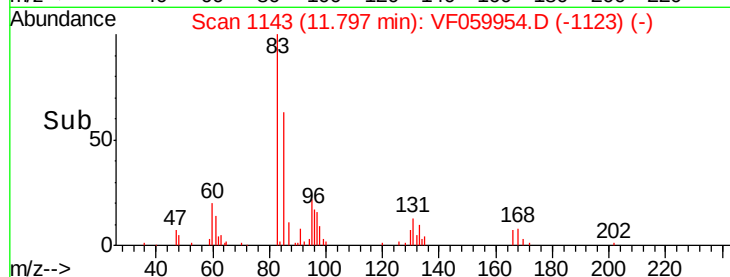
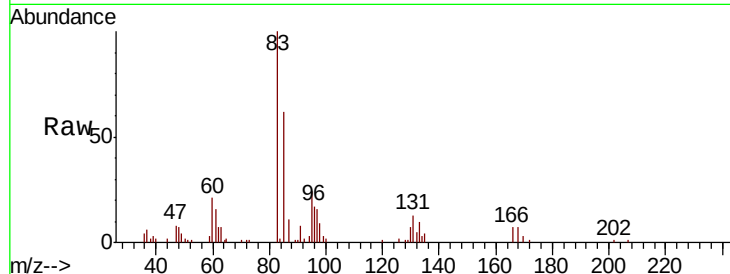
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	23461
Ion Ratio	Lower	Upper	
83	100		
131	13.3	6.3	19.1
85	62.2	33.9	101.7

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#76

1,2,3-Trichloropropane

Concen: 18.82 ug/l

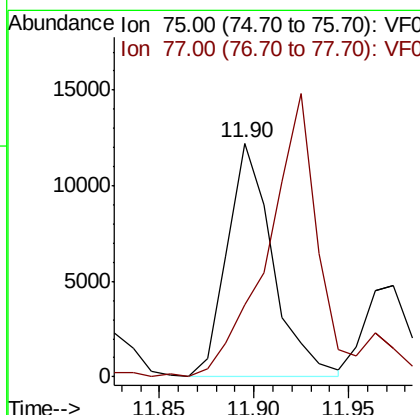
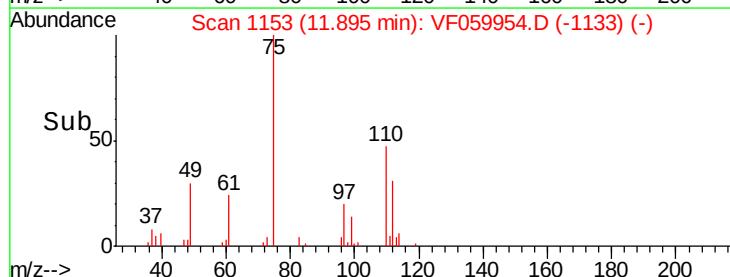
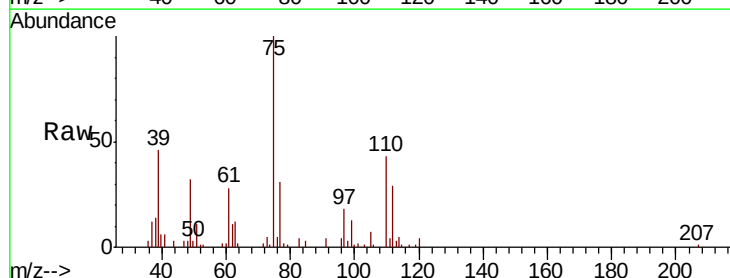
RT: 11.90 min Scan# 1153

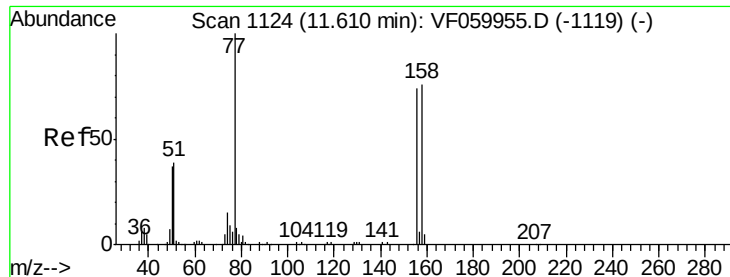
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	75	Resp:	20414
Ion Ratio	Lower	Upper	
75	100		
77	30.9	16.6	49.7





#77

Bromobenzene

Concen: 20.71 ug/l

RT: 11.61 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 38077

Ion Ratio Lower Upper

156 100

77 141.5 67.8 203.2

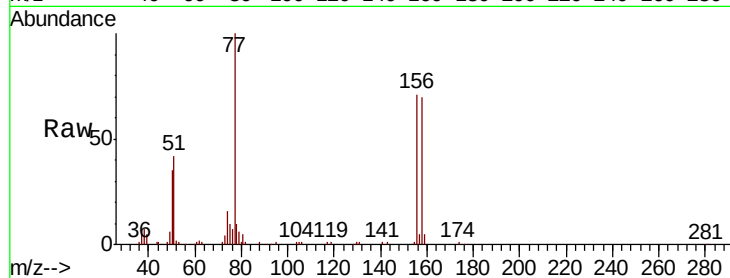
158 99.5 51.7 155.2

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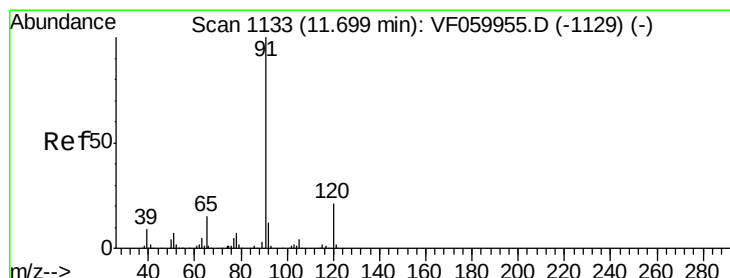
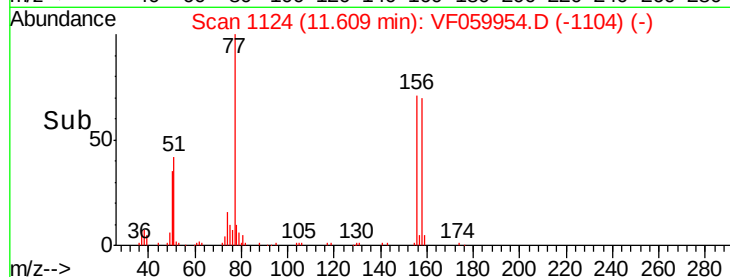
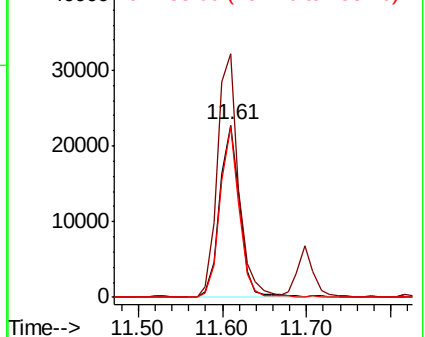
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 21.75 ug/l

RT: 11.70 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VF059954.D

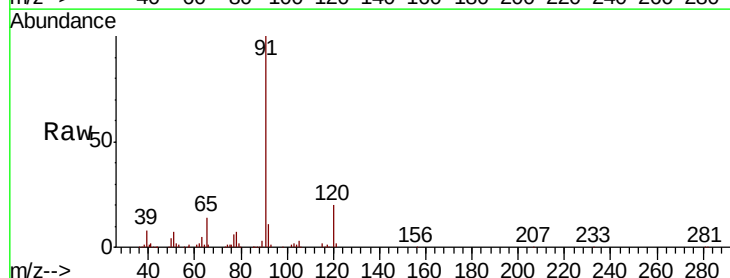
Acq: 14 Aug 2018 19:37

Tgt Ion: 91 Resp: 173462

Ion Ratio Lower Upper

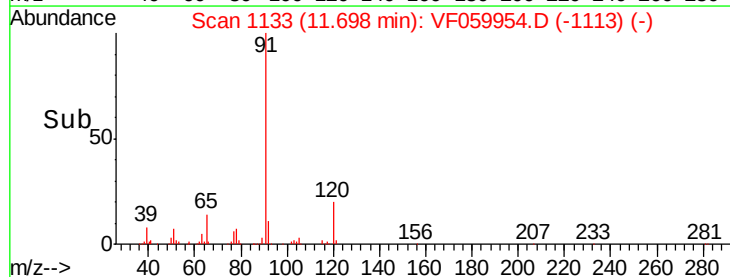
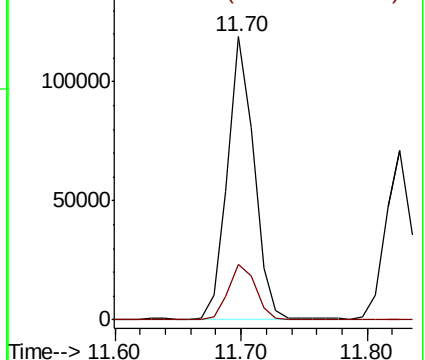
91 100

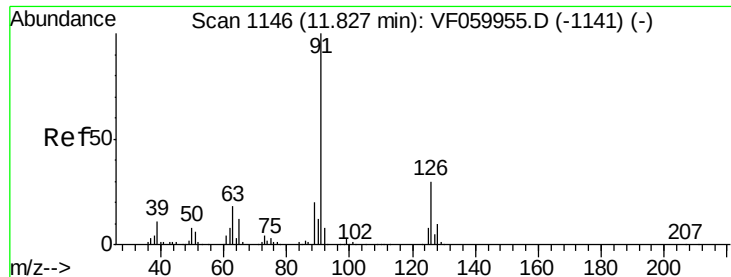
120 19.7 10.4 31.1



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.74 ug/l

RT: 11.83 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC020

Tot Ion: 91 Resp: 104116

Ion Ratio Lower Upper

91 100

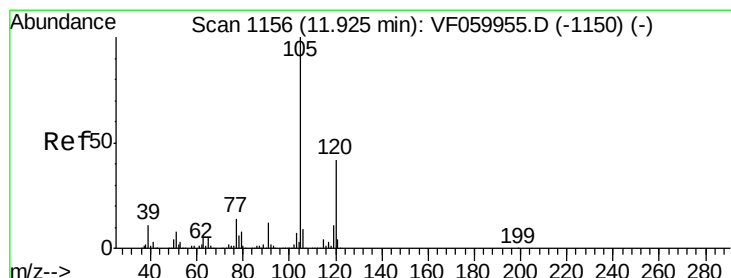
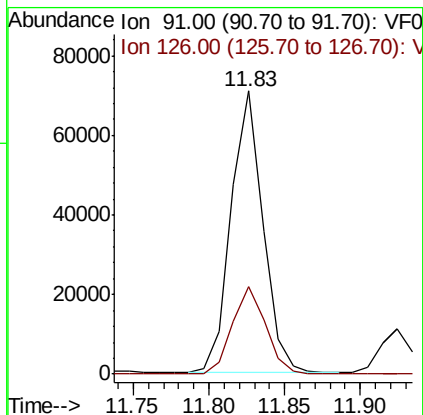
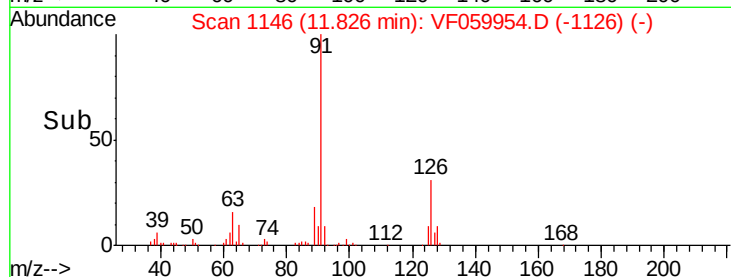
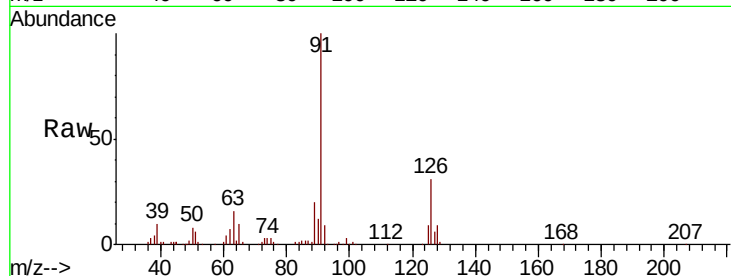
126 31.1 15.2 45.5

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#80

1,3,5-Trimethylbenzene

Concen: 21.73 ug/l

RT: 11.92 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VF059954.D

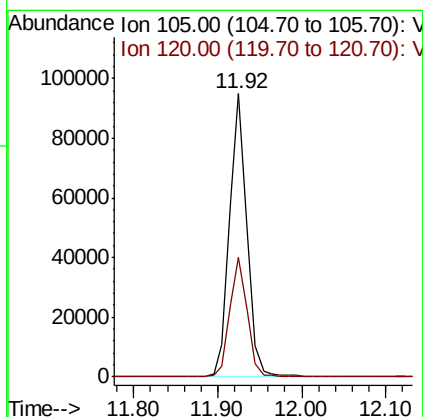
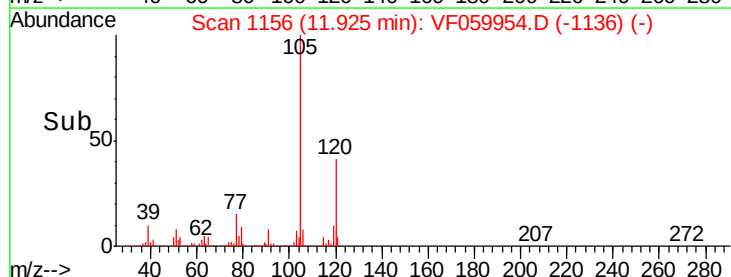
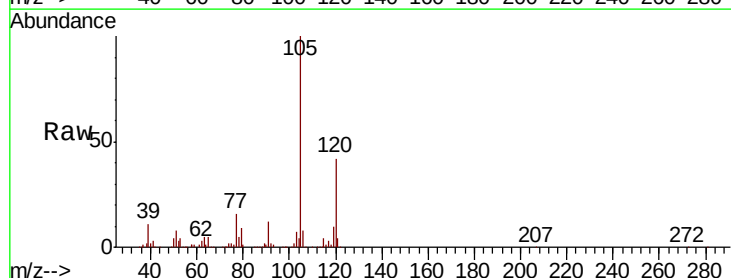
Acq: 14 Aug 2018 19:37

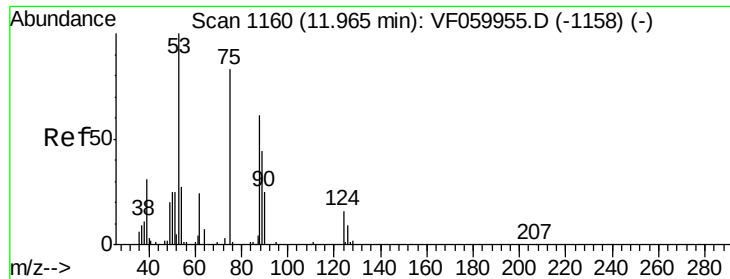
Tgt Ion: 105 Resp: 135956

Ion Ratio Lower Upper

105 100

120 42.2 21.1 63.3





#81

trans-1,4-Dichloro-2-butene

Concen: 17.70 ug/l m

RT: 11.97 min Scan# 1161

Delta R.T. 0.01 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

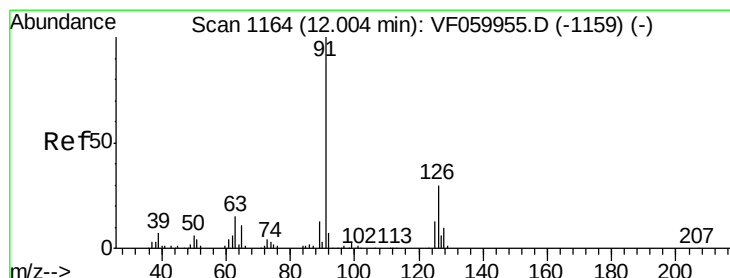
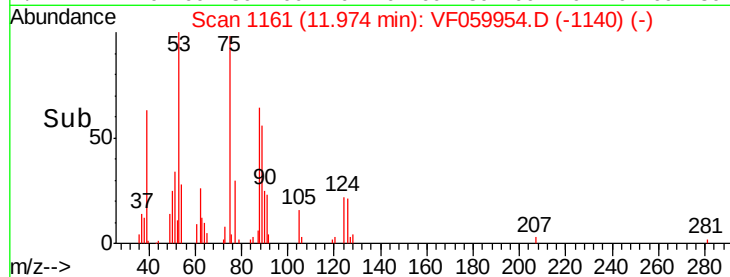
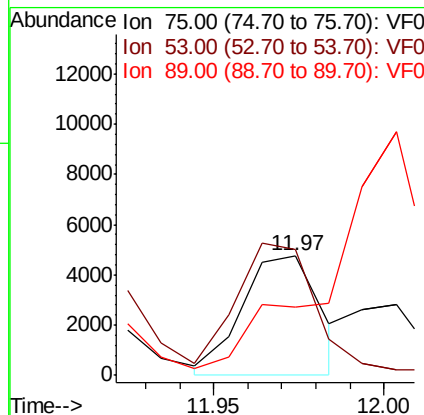
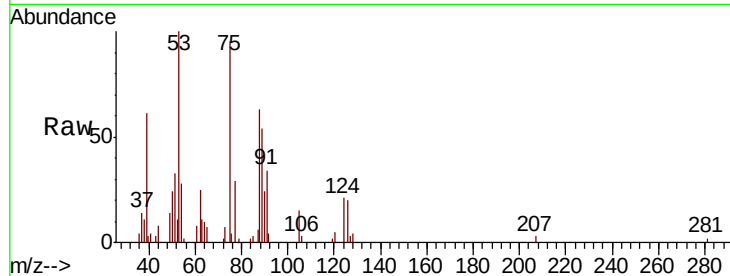
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	7630
Ion	Ratio	Lower	Upper
75	100		
53	105.5	97.1	145.7
89	57.0	43.6	65.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.11 ug/l

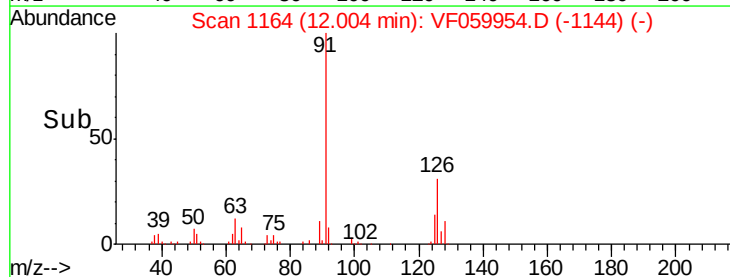
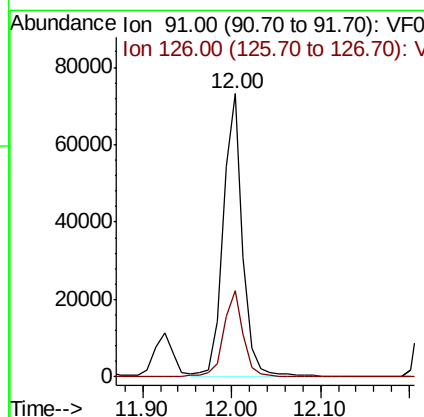
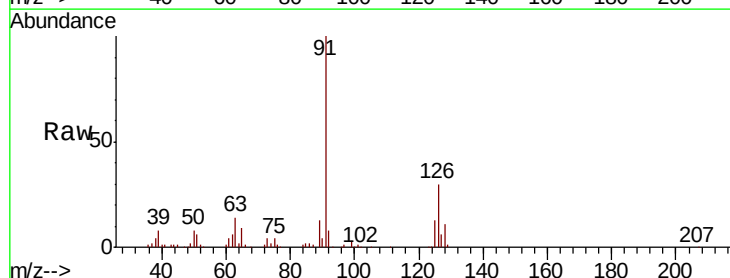
RT: 12.00 min Scan# 1164

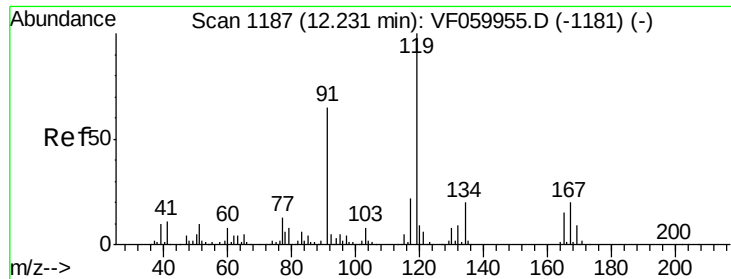
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	91	Resp:	110975
Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.3	45.8





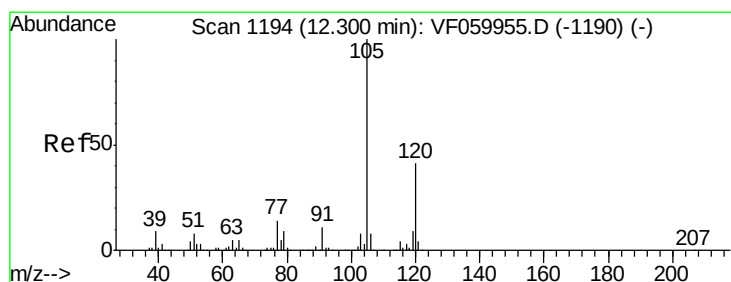
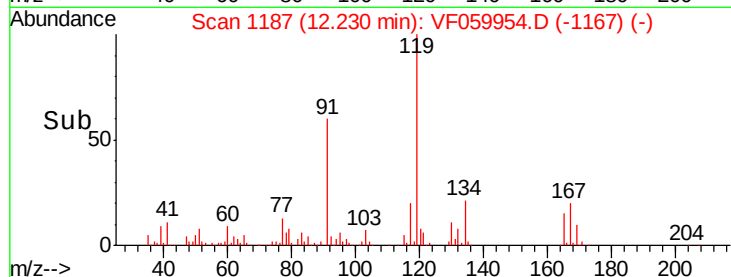
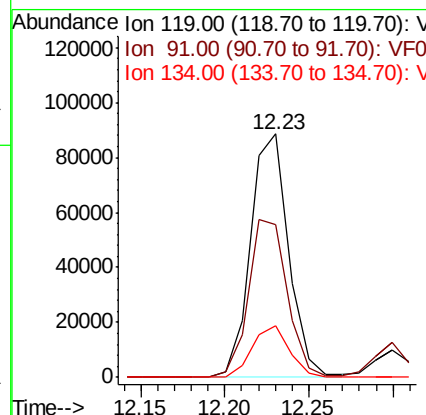
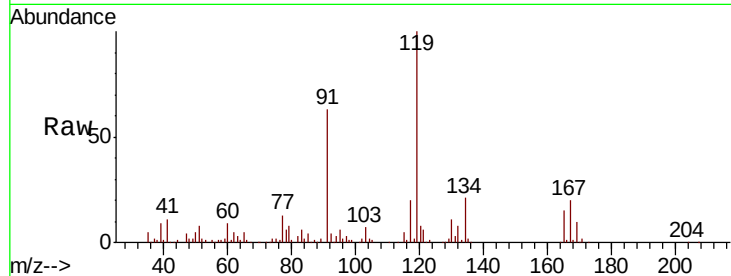
#83
 tert-Butylbenzene
 Concen: 22.70 ug/l
 RT: 12.23 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	139144		
91	62.7	32.6	98.0	
134	21.4	10.1	30.3	

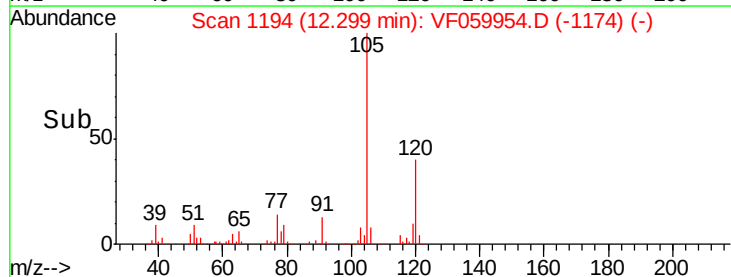
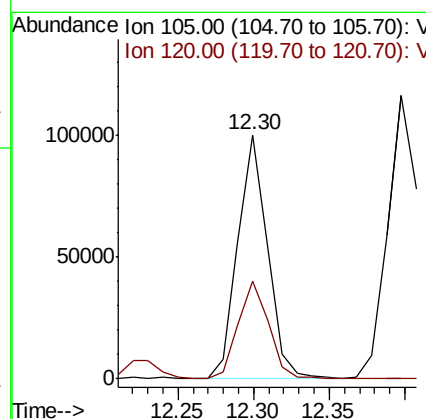
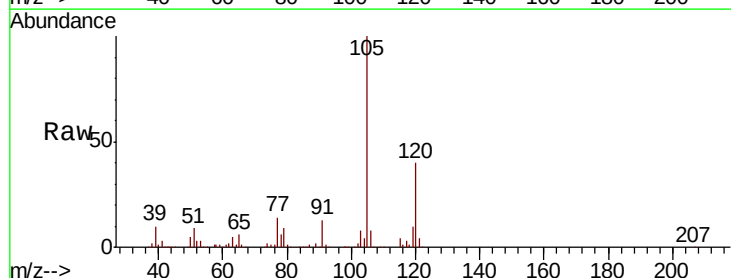
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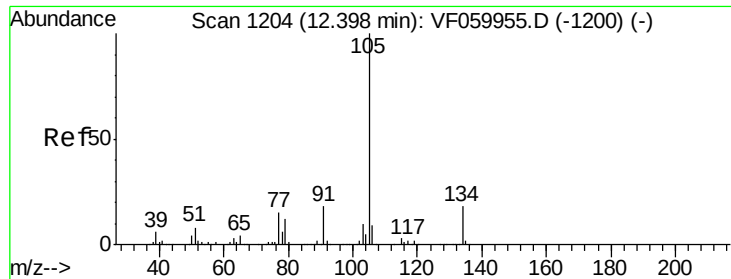
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.15 ug/l
 RT: 12.30 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	137201		
120	40.3	20.6	61.9	





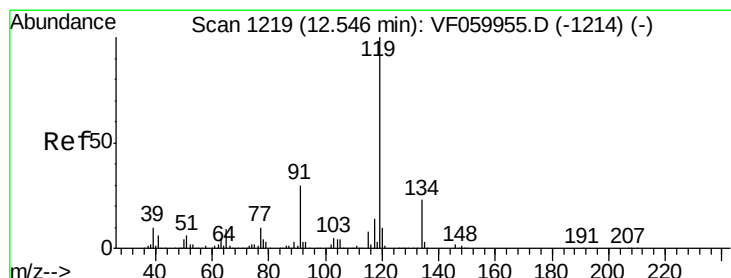
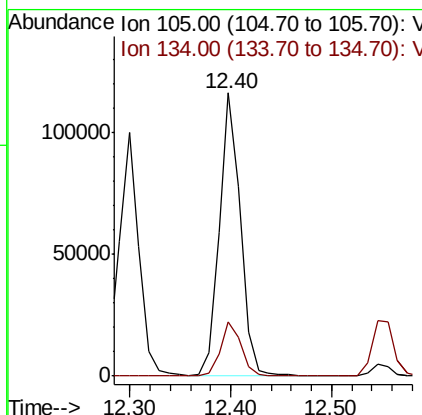
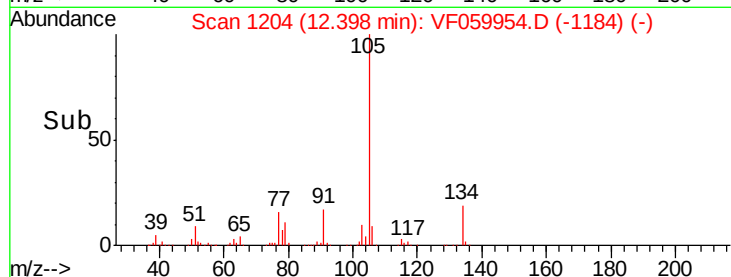
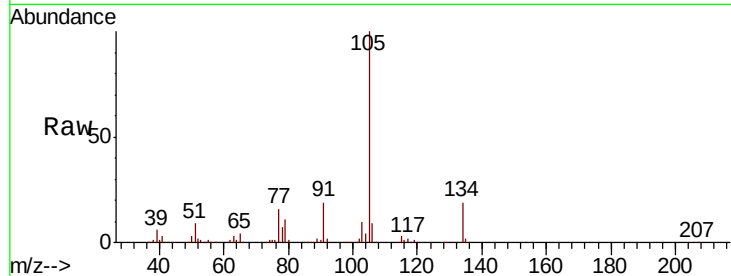
#85
 sec-Butylbenzene
 Concen: 20.89 ug/l
 RT: 12.40 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
105	100	169777		
134	19.0	8.9	26.7	

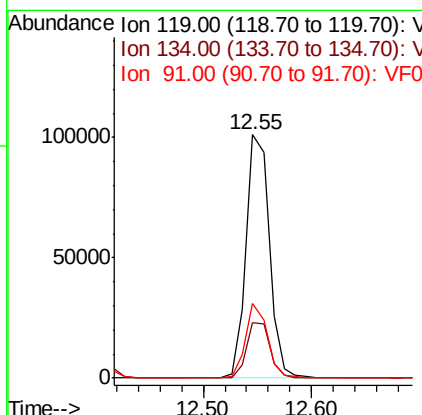
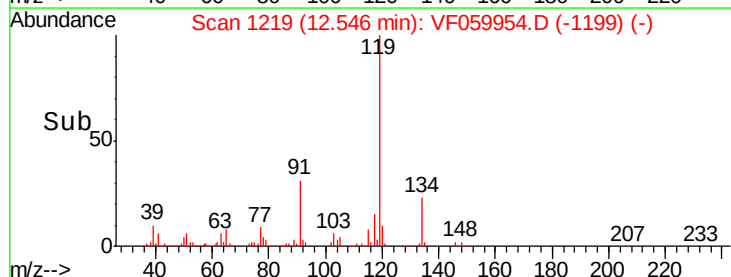
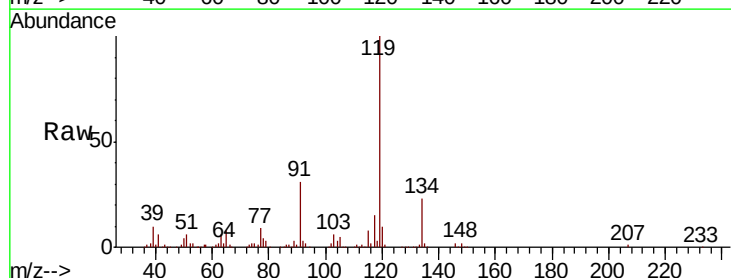
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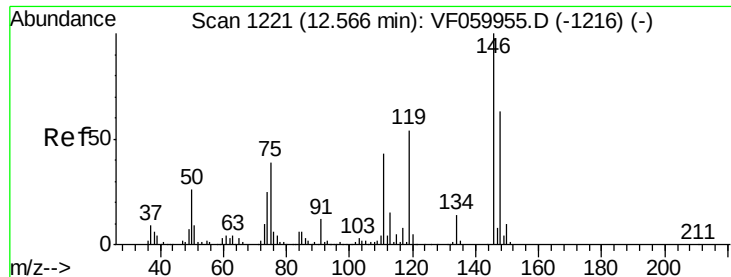
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#86
 p-Isopropyltoluene
 Concen: 22.40 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	152525		
134	22.6	11.4	34.2	
91	30.7	14.8	44.4	





#87

1,3-Dichlorobenzene

Concen: 21.05 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

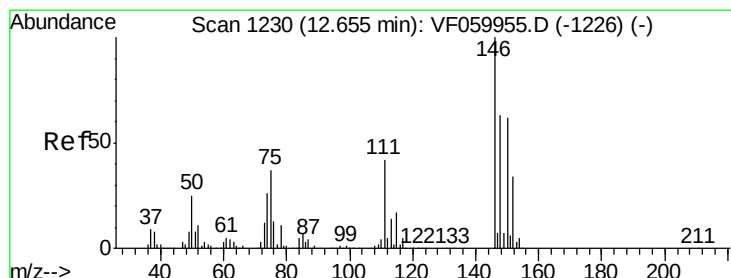
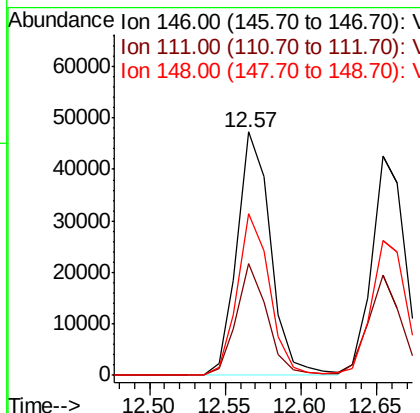
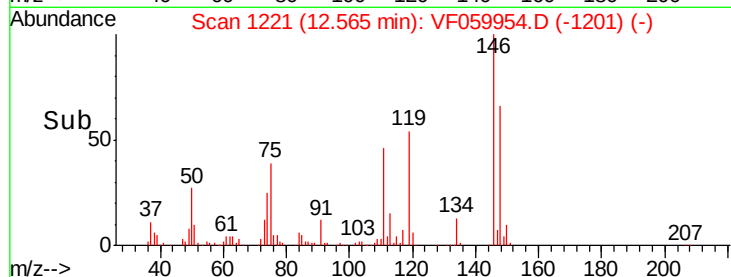
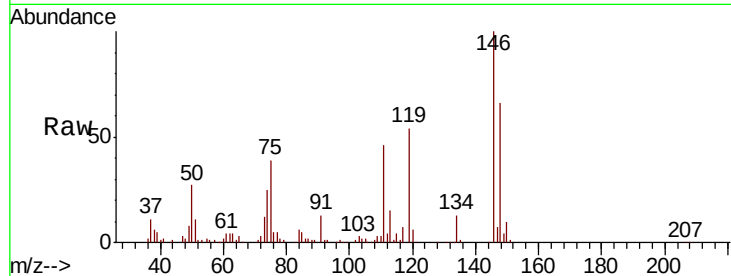
ClientSampleId :

VSTDIC020

Tot Ion:	146	Resp:	73281
Ion Ratio	Lower	Upper	
146	100		
111	45.9	21.3	63.9
148	66.4	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 19.65 ug/l

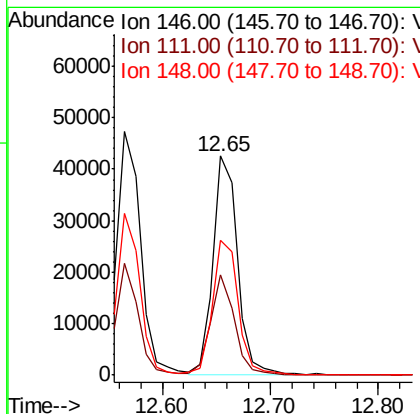
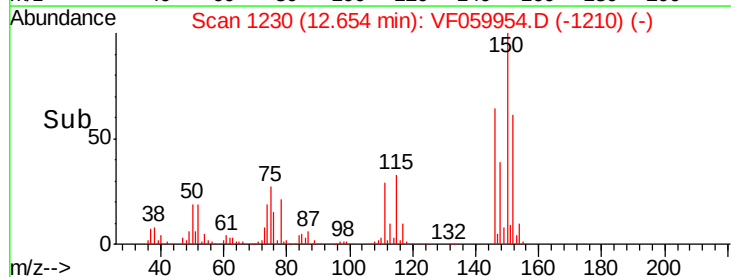
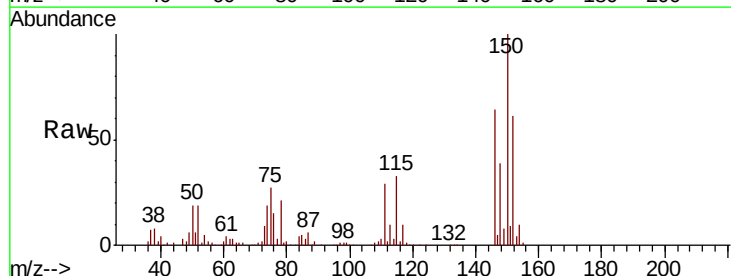
RT: 12.65 min Scan# 1230

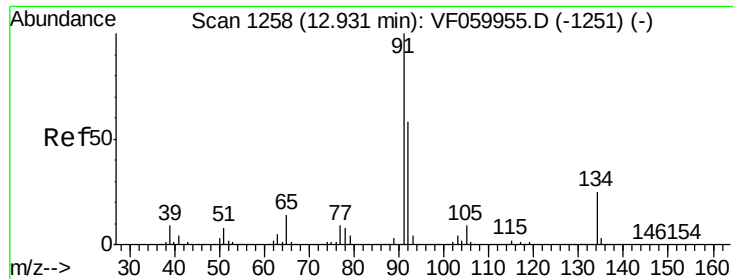
Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	146	Resp:	67339
Ion Ratio	Lower	Upper	
146	100		
111	45.6	21.1	63.1
148	61.9	31.7	95.1





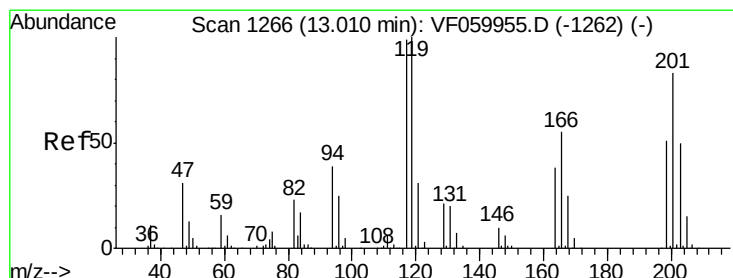
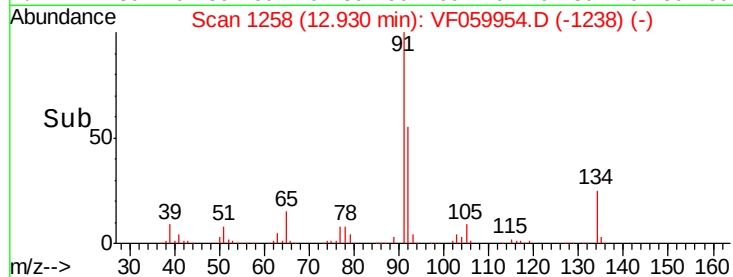
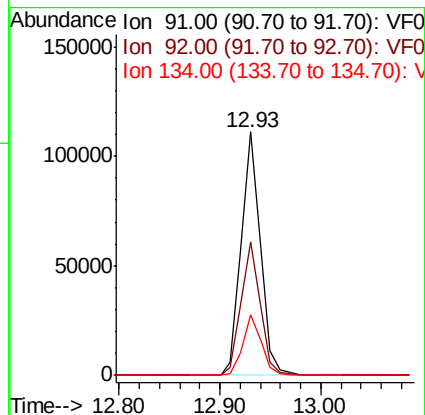
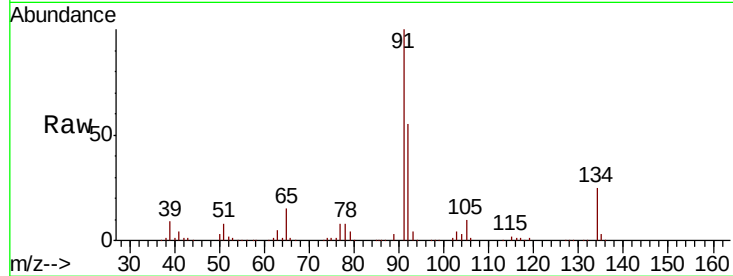
#89
n-Butylbenzene
Concen: 22.43 ug/l
RT: 12.93 min Scan# 1258
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	147330		
92	54.9	29.2	87.6	
134	25.1	12.8	38.3	

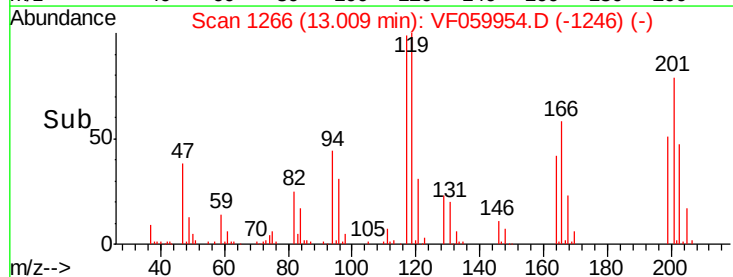
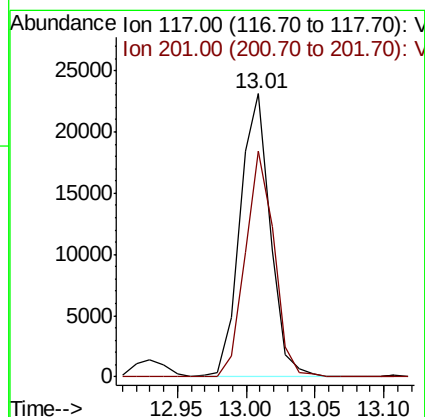
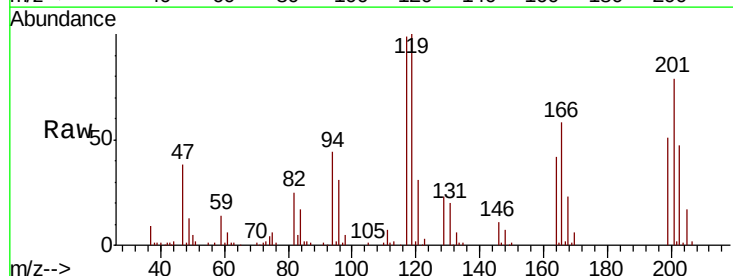
Manual Integrations
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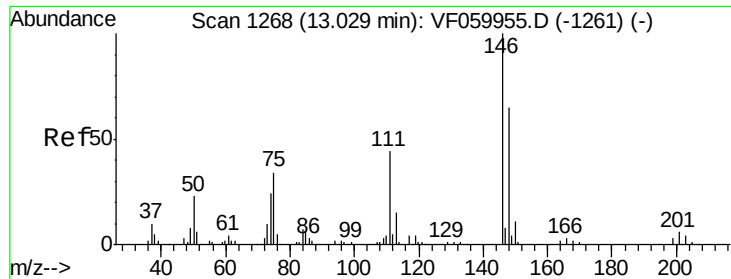
apatel
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#90
Hexachloroethane
Concen: 19.06 ug/l
RT: 13.01 min Scan# 1266
Delta R.T. -0.00 min
Lab File: VF059954.D
Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35375		
201	79.8	41.8	125.3	





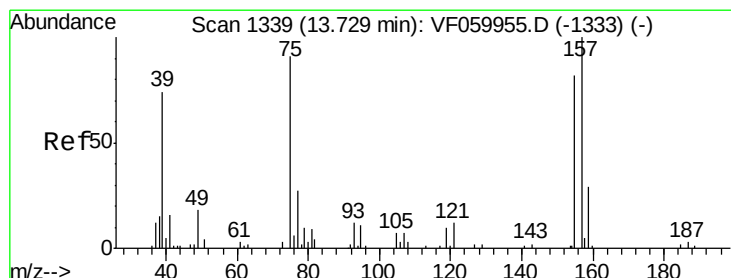
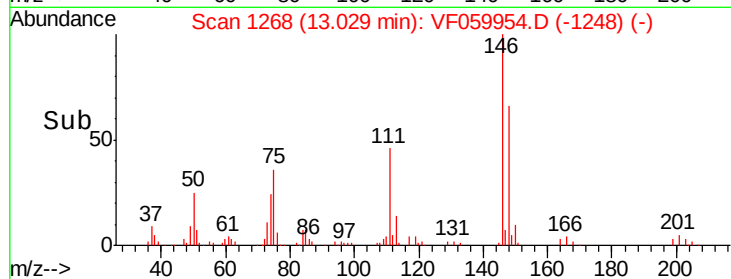
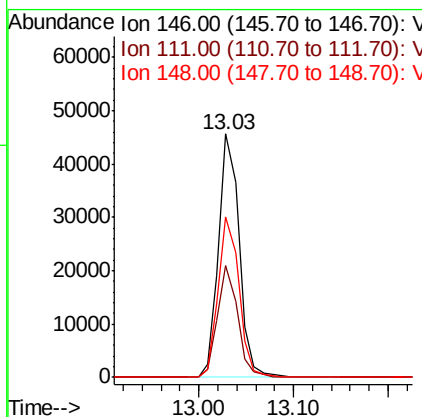
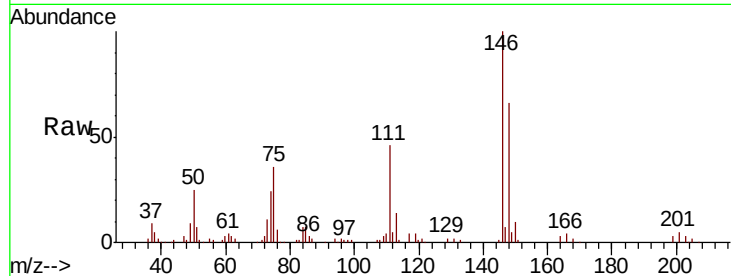
#91
 1,2-Dichlorobenzene
 Concen: 20.84 ug/l
 RT: 13.03 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.2	22.0	66.0
148	66.0	32.4	97.0

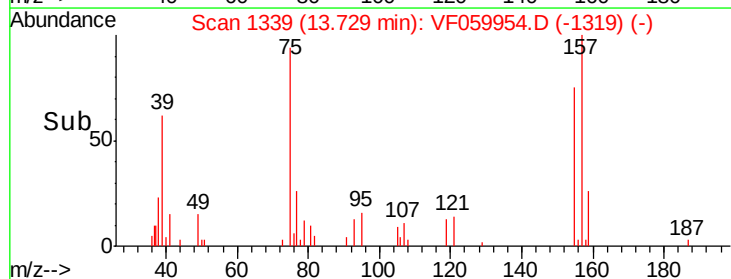
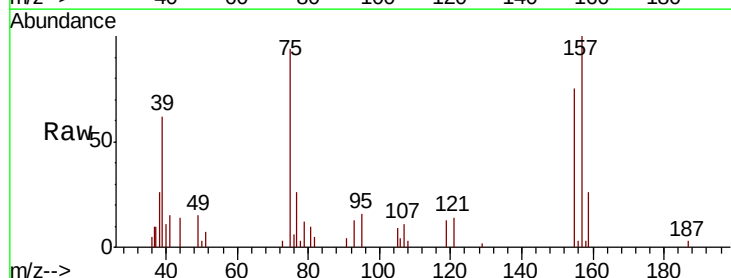
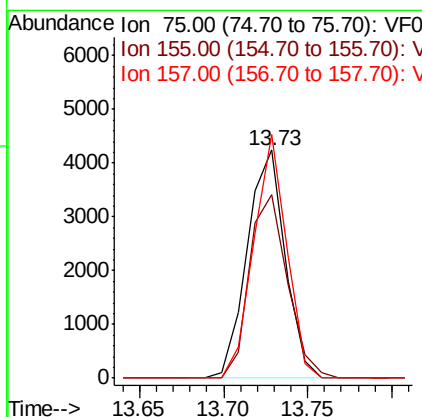
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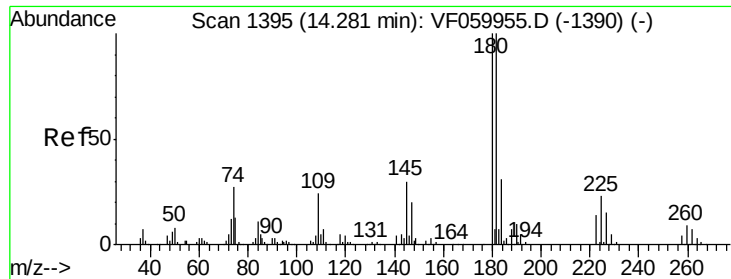
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.84 ug/l
 RT: 13.73 min Scan# 1339
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	44.6	134.0
157	106.8	54.8	164.3





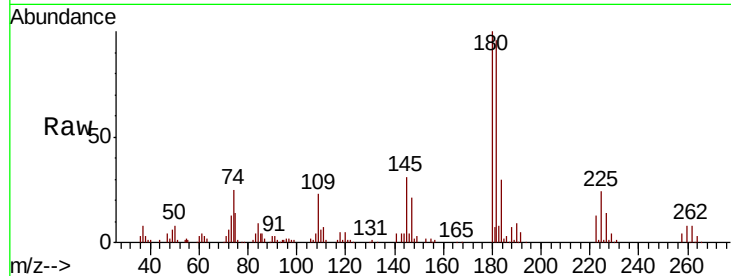
#93
 1,2,4-Trichlorobenzene
 Concen: 21.44 ug/l
 RT: 14.28 min Scan# 1395
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	55049		
182	96.4		50.2	150.7
145	31.3		14.9	44.9

Manual Integrations
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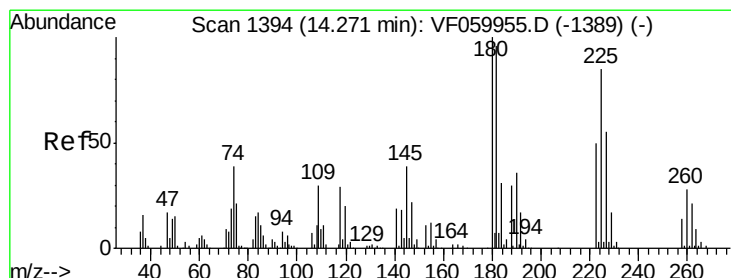
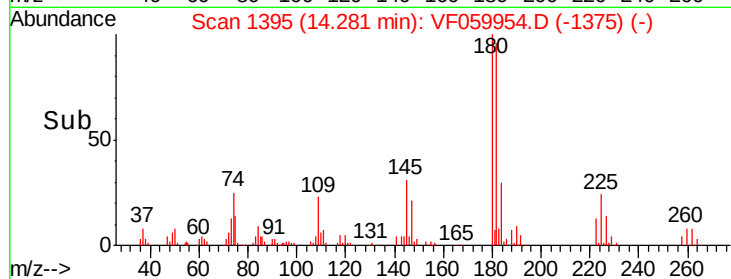
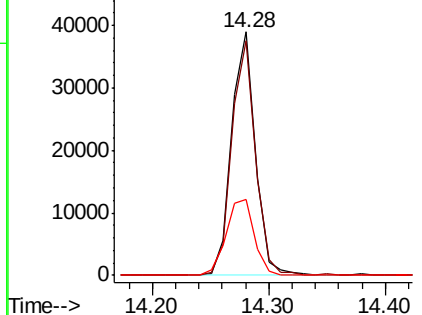


Abundance

Ion 180.00 (179.70 to 180.70): V

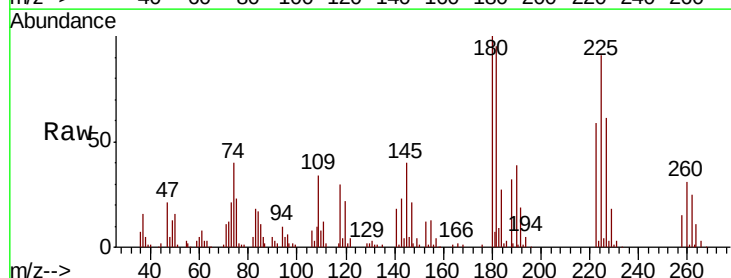
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 21.75 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059954.D
 Acq: 14 Aug 2018 19:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	39538		
223	64.7		29.6	88.8
227	66.8		32.5	97.5

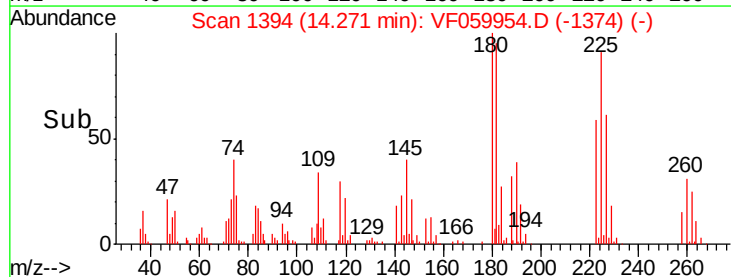
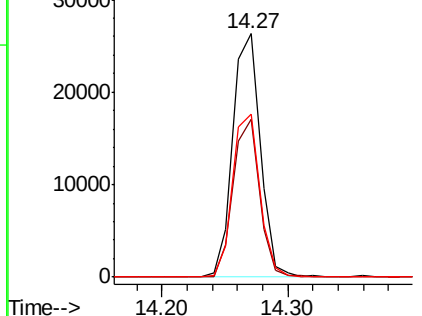


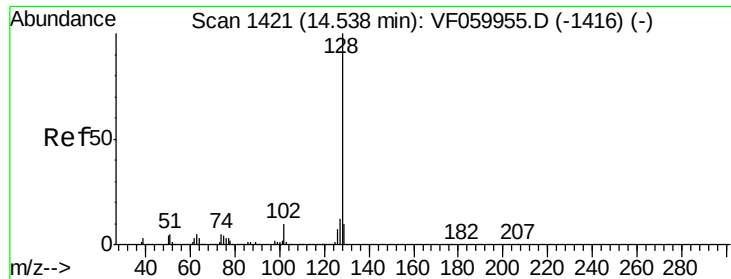
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 19.97 ug/l

RT: 14.54 min Scan# 1421

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Instrument :

MSVOA_F

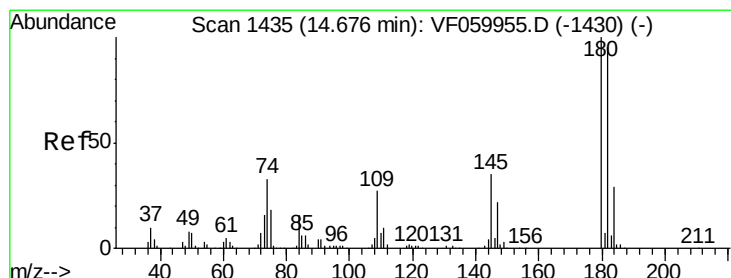
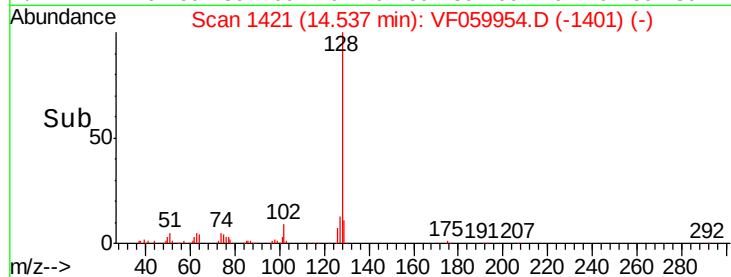
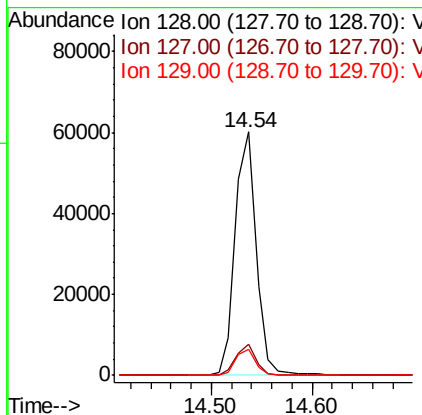
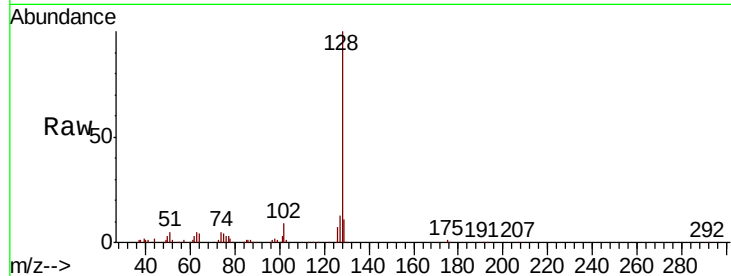
ClientSampleId :

VSTDIC020

Tot Ion:	128	Resp:	87722
Ion	Ratio	Lower	Upper
128	100		
127	13.0	9.9	14.9
129	10.6	8.4	12.6

Manual Integrations
APPROVED

apatel
8/16/2018 12:15:02 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.46 ug/l

RT: 14.67 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VF059954.D

Acq: 14 Aug 2018 19:37

Tgt Ion:	180	Resp:	51383
Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.6
145	37.9	17.6	52.8

