

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF081618\
 Data File : VF059968.D
 Acq On : 16 Aug 2018 19:14
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Manual Integrations
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 8/17/2018 11:23:25 AM

Quant Time: Aug 17 05:24:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F081618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 05:22:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	125926	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	168810	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	177852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	132582	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.02	65	14137	4.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.92%	
35) Dibromofluoromethane	4.30	113	9603	5.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.32%	
50) Toluene-d8	7.72	98	19294	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
62) 4-Bromofluorobenzene	11.51	95	12664	4.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	12298	5.62	ug/l	88
3) Chloromethane	1.07	50	5670	5.67	ug/l	94
4) Vinyl Chloride	1.12	62	6022	5.20	ug/l	98
5) Bromomethane	1.32	94	5899	5.52	ug/l	85
6) Chloroethane	1.39	64	3886	5.58	ug/l #	85
7) Trichlorofluoromethane	1.48	101	17645	6.28	ug/l	97
8) Diethyl Ether	1.70	74	2783	4.72	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	1.86	101	8929	5.23	ug/l	88
10) Methyl Iodide	1.93	142	9960	4.84	ug/l	93
11) Tert butyl alcohol	2.70	59	5671	26.37	ug/l #	78
12) 1,1-Dichloroethene	1.83	96	5909	4.87	ug/l	94
13) Acrolein	2.09	56	1935	40.39	ug/l	95
14) Allyl chloride	2.19	41	11306	5.65	ug/l	91
15) Acrylonitrile	3.08	53	8626	25.48	ug/l #	87
16) Acetone	2.34	43	24309	23.41	ug/l #	89
17) Carbon Disulfide	1.84	76	20368	5.34	ug/l	99
18) Methyl Acetate	2.46	43	14456	2.08	ug/l #	91
19) Methyl tert-butyl Ether	2.54	73	23269	5.14	ug/l	94
20) Methylene Chloride	2.27	84	10939	4.38	ug/l	97
21) trans-1,2-Dichloroethene	2.41	96	5706	4.68	ug/l #	89
22) Diisopropyl ether	2.93	45	20569	4.54	ug/l #	95
23) Vinyl Acetate	3.34	43	40119	20.25	ug/l	98
24) 1,1-Dichloroethane	3.00	63	13957	4.74	ug/l	99
25) 2-Butanone	4.52	43	18865	24.35	ug/l	97
26) 2,2-Dichloropropane	3.76	77	12804	4.67	ug/l	99
27) cis-1,2-Dichloroethene	3.63	96	5407	4.65	ug/l	96
28) Bromochloromethane	3.88	49	5246	5.62	ug/l	83
29) Tetrahydrofuran	4.27	42	8430	28.04	ug/l	93
30) Chloroform	4.04	83	16840	4.86	ug/l	96
31) Cyclohexane	3.85	56	6130	4.79	ug/l	89
32) 1,1,1-Trichloroethane	4.27	97	16175	4.90	ug/l	88
36) 1,1-Dichloropropene	4.46	75	10273	5.43	ug/l	94
37) Ethyl Acetate	4.29	43	7519	4.76	ug/l	96
38) Carbon Tetrachloride	4.18	117	12281	4.69	ug/l	97

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 Misc : 5.00µ/5mL/MSVOA F/SOIL
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
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 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Title : SW846 8260
 QLast Update : Fri Aug 17 05:22:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.64	83	6023	4.40	ug/l #	78
40) Benzene	4.81	78	16671	5.17	ug/l #	88
41) Methacrylonitrile	4.93	41	3490	5.13	ug/l #	82
42) 1,2-Dichloroethane	5.12	62	16962	5.28	ug/l	97
43) Isopropyl Acetate	7.11	43	7938	5.07	ug/l #	91
44) Trichloroethene	5.67	130	6514	5.08	ug/l	83
45) 1,2-Dichloropropane	6.40	63	4498	4.79	ug/l #	88
46) Dibromomethane	6.25	93	5943	5.48	ug/l #	86
47) Bromodichloromethane	6.55	83	12945	4.89	ug/l #	98
48) Methyl methacrylate	6.88	41	4938	4.45	ug/l	90
49) 1,4-Dioxane	6.88	88	963	128.98	ug/l #	45
51) 4-Methyl-2-Pentanone	8.41	43	39693	26.10	ug/l	92
52) Toluene	7.78	92	12067	4.83	ug/l	86
53) t-1,3-Dichloropropene	8.43	75	11947	5.12	ug/l	98
54) cis-1,3-Dichloropropene	7.46	75	10081	4.68	ug/l #	89
55) 1,1,2-Trichloroethane	8.64	97	5372	4.66	ug/l #	85
56) Ethyl methacrylate	8.76	69	6107	4.52	ug/l	98
57) 1,3-Dichloropropane	9.00	76	10310	5.03	ug/l #	86
58) 2-Chloroethyl Vinyl ether	7.77	63	3027	24.26	ug/l	100
59) 2-Hexanone	9.64	43	30309	24.55	ug/l	99
60) Dibromochloromethane	8.86	129	8930	4.41	ug/l	88
61) 1,2-Dibromoethane	9.14	107	7274	4.90	ug/l	89
64) Tetrachloroethene	8.31	164	7813	5.48	ug/l	93
65) Chlorobenzene	9.94	112	18694	5.37	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.06	131	8236	5.08	ug/l	82
67) Ethyl Benzene	10.04	91	30970	4.94	ug/l	97
68) m/p-Xylenes	10.27	106	22676	10.67	ug/l	98
69) o-Xylene	10.83	106	10460	4.62	ug/l	96
70) Styrene	10.91	104	19424	5.39	ug/l #	87
71) Bromoform	10.89	173	6541	4.65	ug/l	82
73) Isopropylbenzene	11.23	105	35253	4.61	ug/l	98
74) N-amyl acetate	11.46	43	10179	3.78	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	11.79	83	9840	5.26	ug/l #	81
76) 1,2,3-Trichloropropane	11.89	75	9627	5.59	ug/l	93
77) Bromobenzene	11.60	156	11179	5.06	ug/l	92
78) n-propylbenzene	11.69	91	47178	5.05	ug/l	97
79) 2-Chlorotoluene	11.82	91	29626	5.11	ug/l	93
80) 1,3,5-Trimethylbenzene	11.91	105	33722	4.79	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.96	75	3129m	4.54	ug/l	
82) 4-Chlorotoluene	11.99	91	32419	4.95	ug/l	97
83) tert-Butylbenzene	12.22	119	32006	4.69	ug/l	99
84) 1,2,4-Trimethylbenzene	12.29	105	33853	4.58	ug/l	98
85) sec-Butylbenzene	12.39	105	41017	4.66	ug/l	96
86) p-Isopropyltoluene	12.55	119	37382	4.77	ug/l	95
87) 1,3-Dichlorobenzene	12.56	146	21260	5.13	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	21730	5.20	ug/l	96
89) n-Butylbenzene	12.92	91	35700	4.67	ug/l	97
90) Hexachloroethane	13.00	117	7769	4.40	ug/l	87
91) 1,2-Dichlorobenzene	13.02	146	21077	5.12	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.72	75	2590	4.31	ug/l	90

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

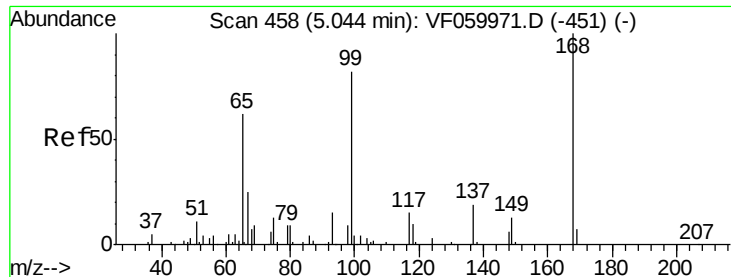
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Quant Title : SW846 8260
QLast Update : Fri Aug 17 05:22:05 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	16505	4.72	ug/l	88
94) Hexachlorobutadiene	14.26	225	9766	4.68	ug/l	95
95) Naphthalene	14.53	128	25027	4.21	ug/l	98
96) 1,2,3-Trichlorobenzene	14.67	180	15578	4.70	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 125926

Ion Ratio Lower Upper

168 100

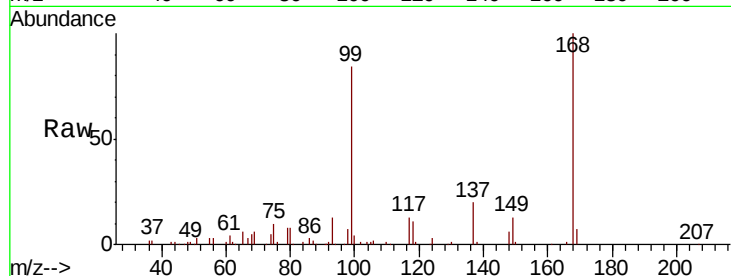
99 84.2 65.7 98.5

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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

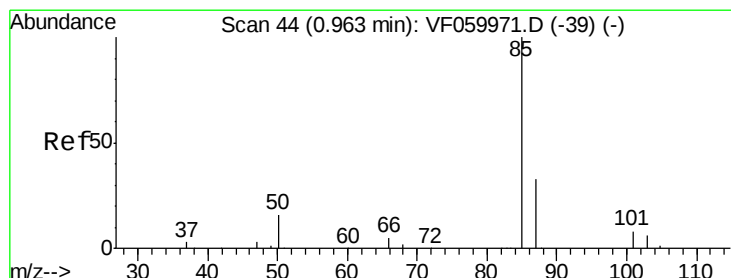
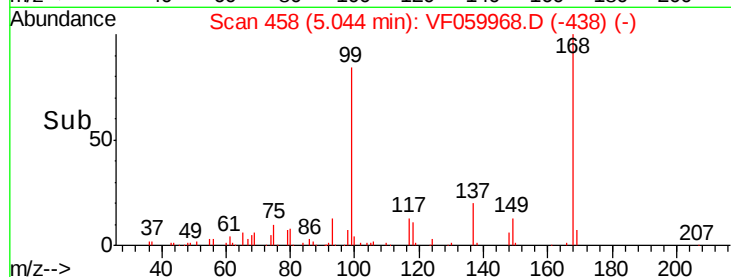
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 5.62 ug/l

RT: 0.96 min Scan# 44

Delta R.T. -0.00 min

Lab File: VF059968.D

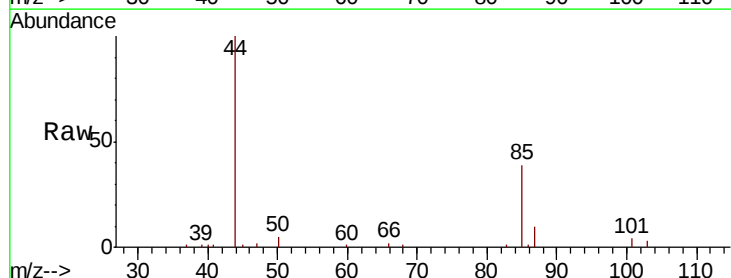
Acq: 16 Aug 2018 19:14

Tgt Ion: 85 Resp: 12298

Ion Ratio Lower Upper

85 100

87 26.1 16.4 49.4



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.96

8000

6000

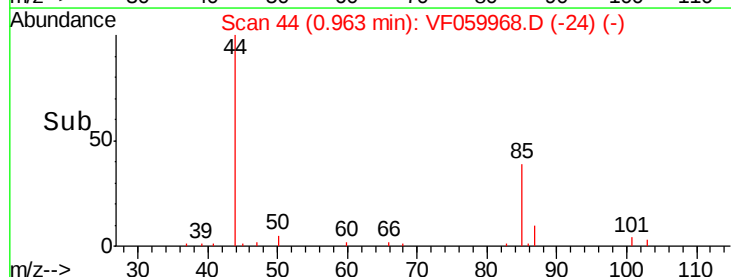
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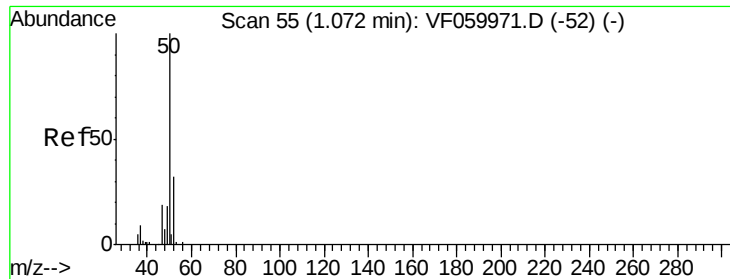
2000

0

0.90 0.95 1.00 1.05

Time-->





#3

Chloromethane

Concen: 5.67 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 5670

Ion Ratio Lower Upper

50 100

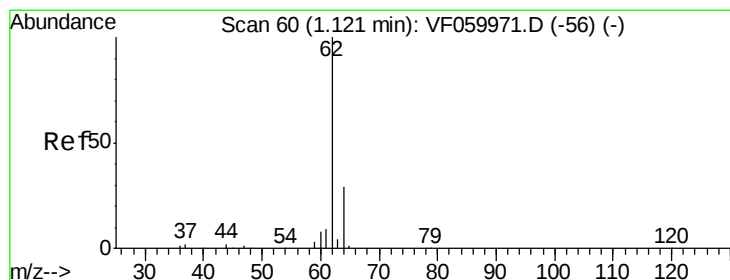
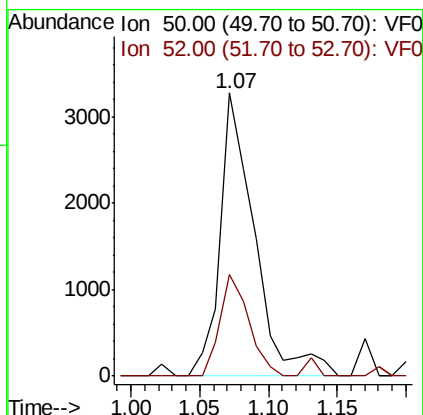
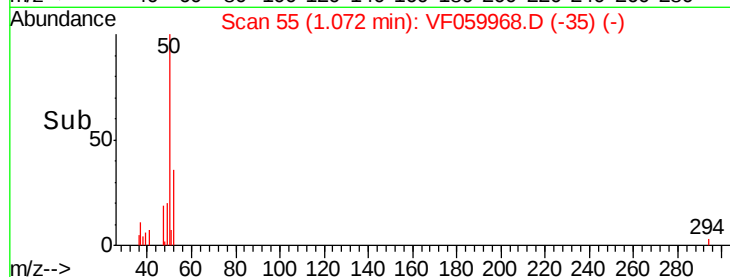
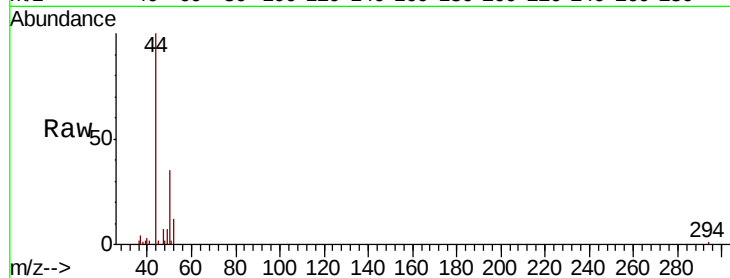
52 35.7 25.7 38.5

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#4

Vinyl Chloride

Concen: 5.20 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF059968.D

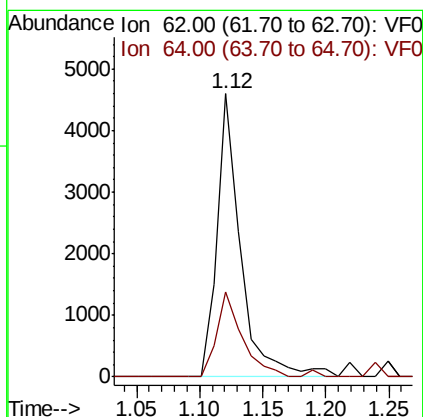
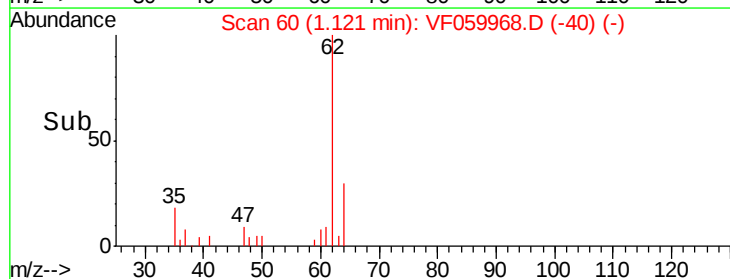
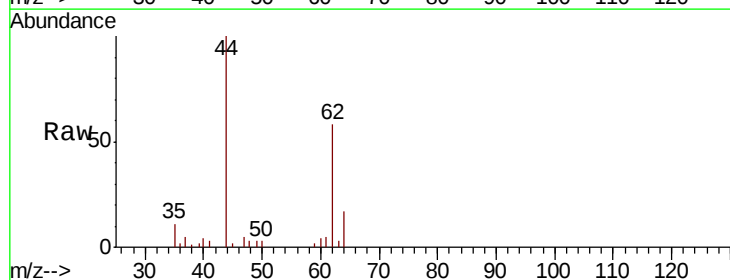
Acq: 16 Aug 2018 19:14

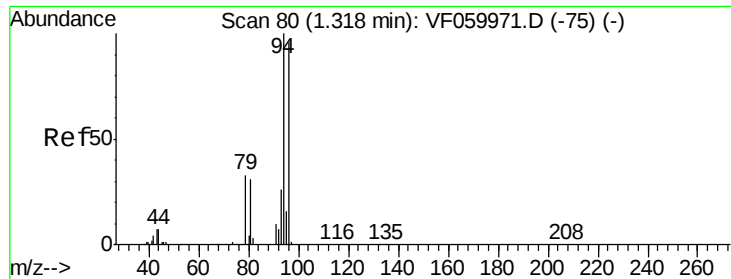
Tgt Ion: 62 Resp: 6022

Ion Ratio Lower Upper

62 100

64 29.9 23.1 34.7





#5

Bromomethane

Concen: 5.52 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 5899

Ion Ratio Lower Upper

94 100

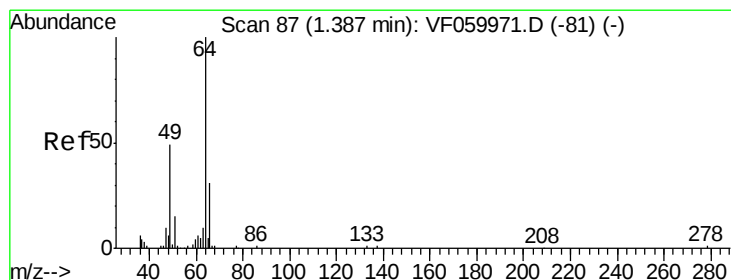
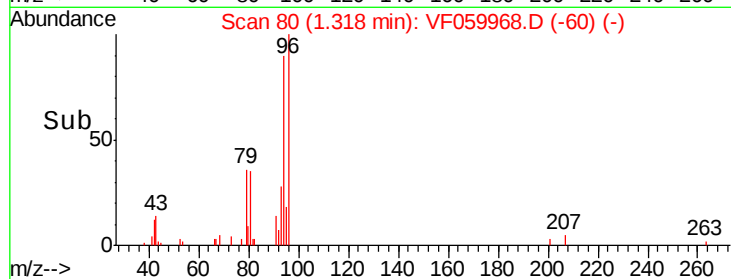
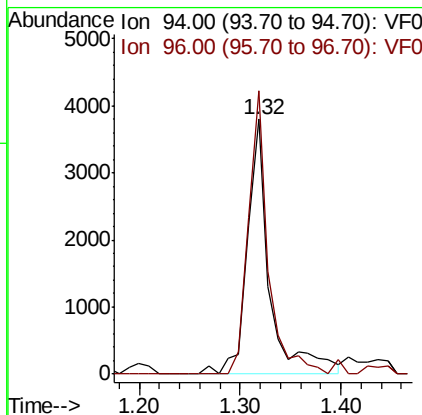
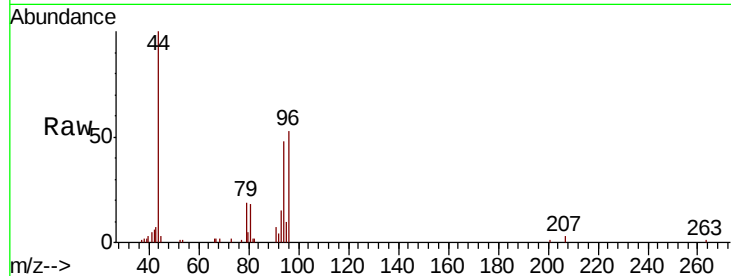
96 110.9 76.7 115.1

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#6

Chloroethane

Concen: 5.58 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF059968.D

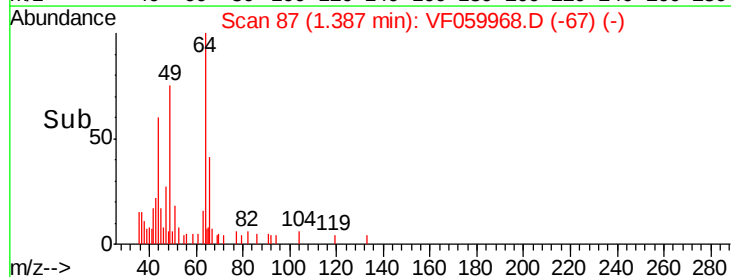
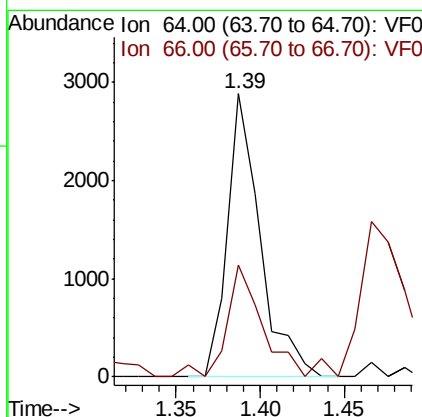
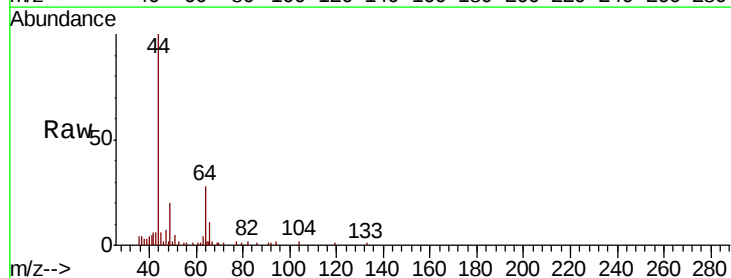
Acq: 16 Aug 2018 19:14

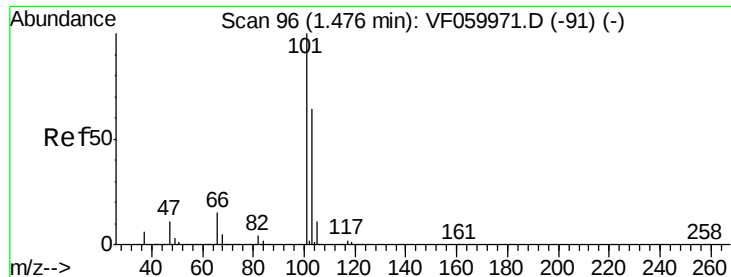
Tgt Ion: 64 Resp: 3886

Ion Ratio Lower Upper

64 100

66 39.6 25.0 37.4#





#7

Trichlorofluoromethane

Concen: 6.28 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 17645

Ion Ratio Lower Upper

101 100

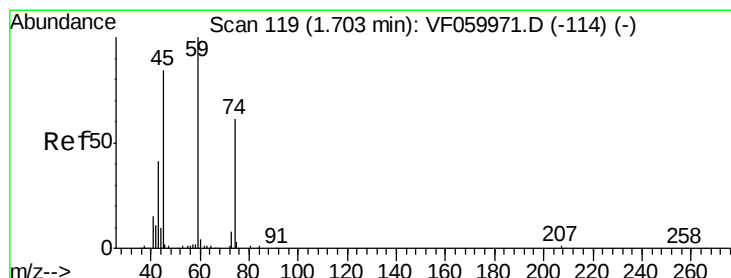
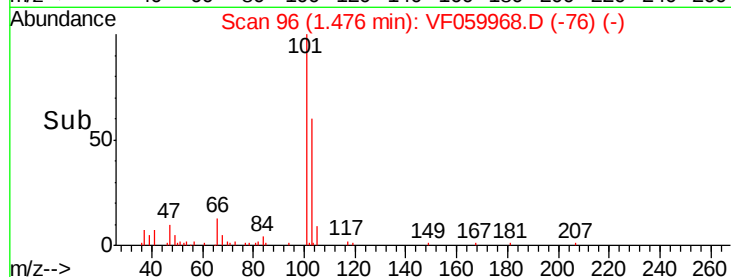
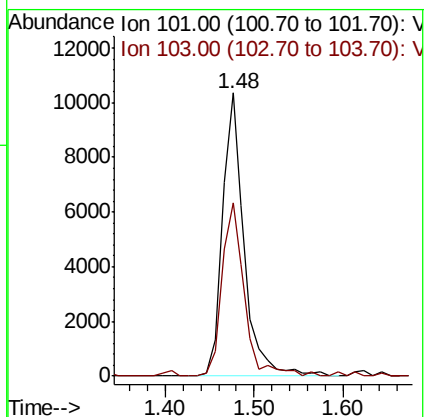
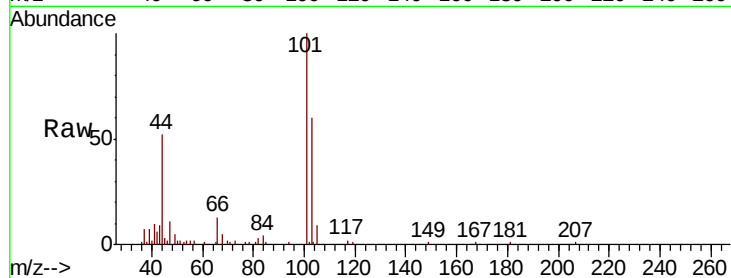
103 61.4 50.9 76.3

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#8

Diethyl Ether

Concen: 4.72 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF059968.D

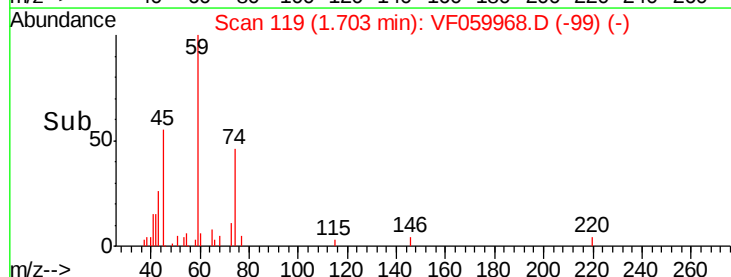
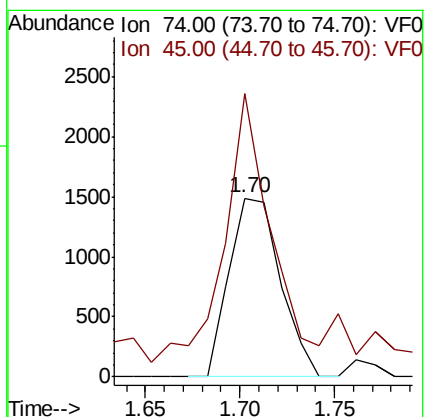
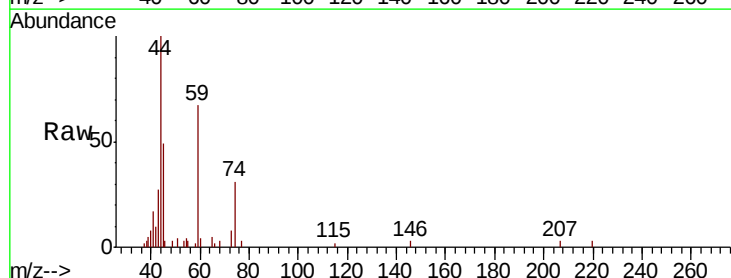
Acq: 16 Aug 2018 19:14

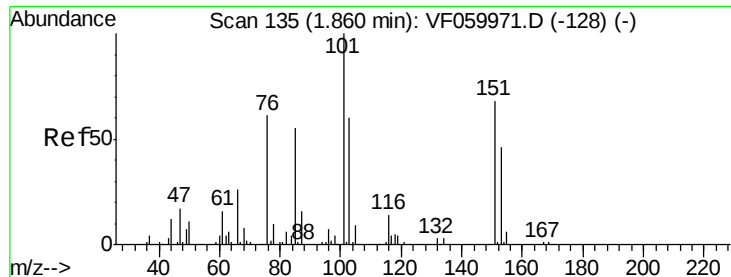
Tgt Ion: 74 Resp: 2783

Ion Ratio Lower Upper

74 100

45 158.6 69.8 209.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.23 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

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MSVOA_F

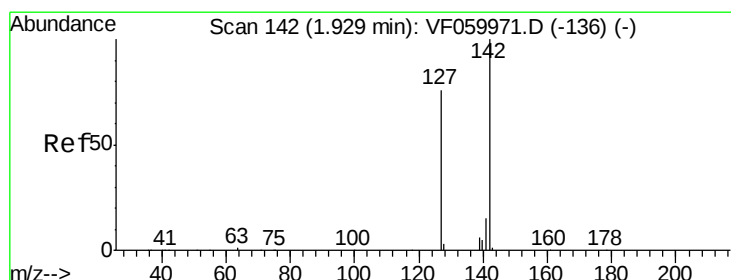
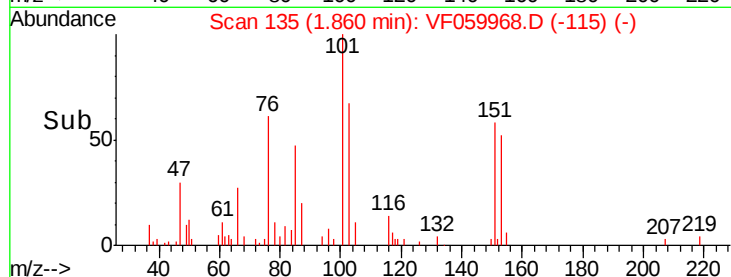
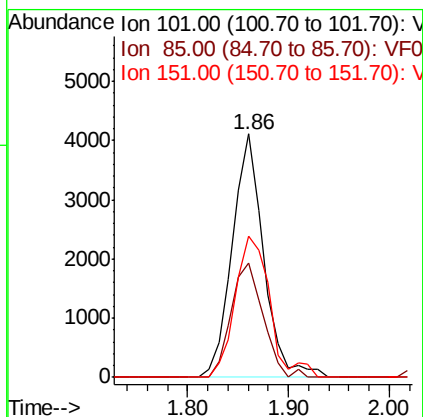
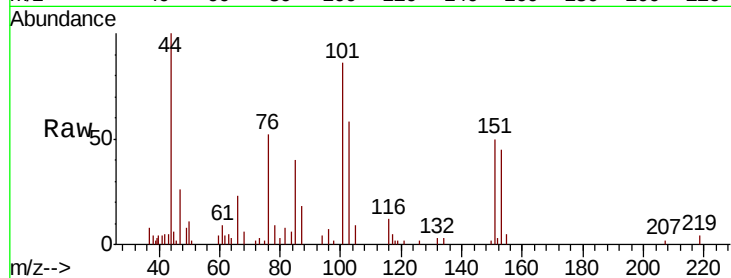
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	8929
Ion Ratio	Lower	Upper	
101	100		
85	46.8	44.2	66.4
151	58.0	54.5	81.7

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#10

Methyl Iodide

Concen: 4.84 ug/l

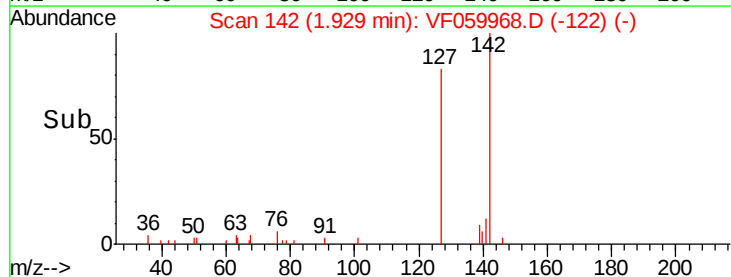
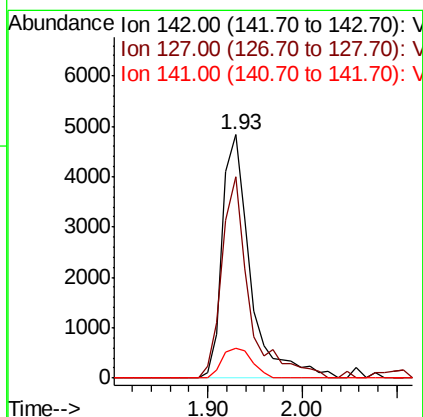
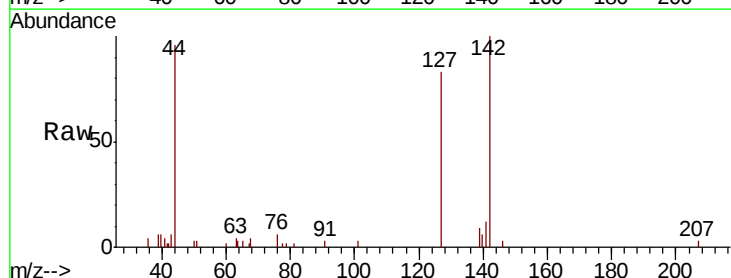
RT: 1.93 min Scan# 142

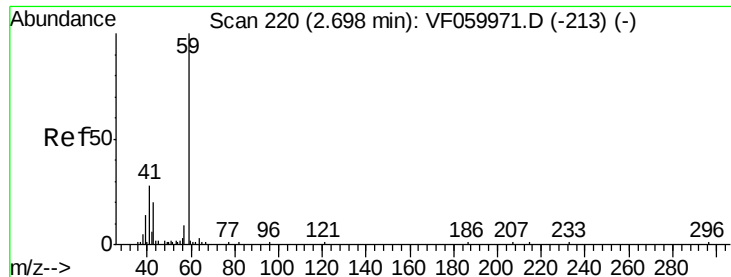
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	142	Resp:	9960
Ion Ratio	Lower	Upper	
142	100		
127	82.9	61.0	91.6
141	12.5	12.1	18.1





#11

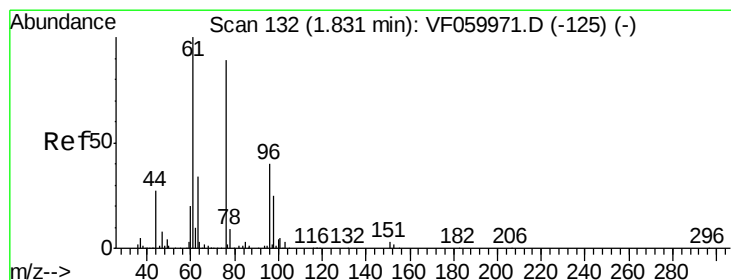
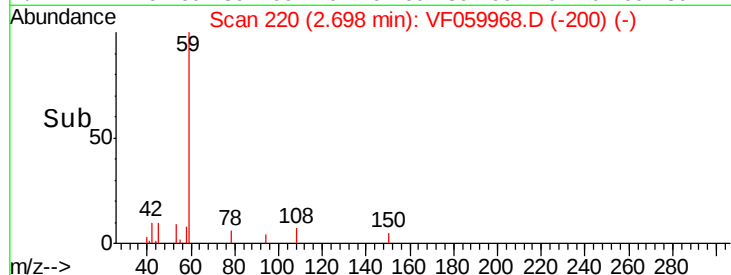
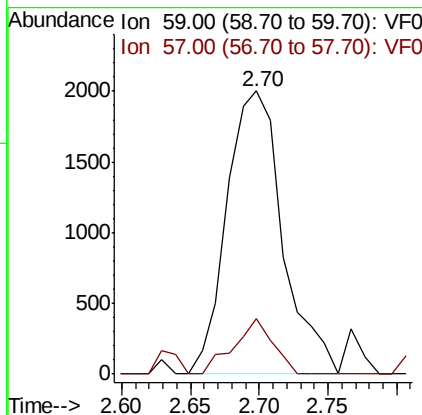
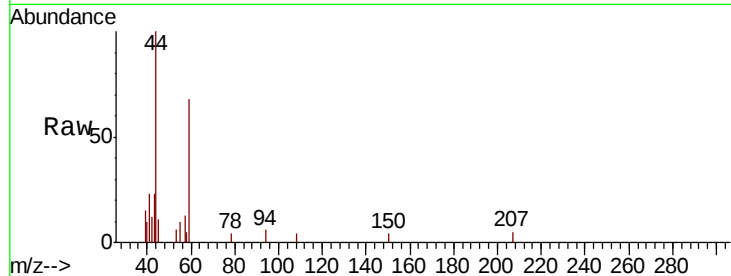
Tert butyl alcohol
 Concen: 26.37 ug/l
 RT: 2.70 min Scan# 220
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	19.5	8.8	13.2#

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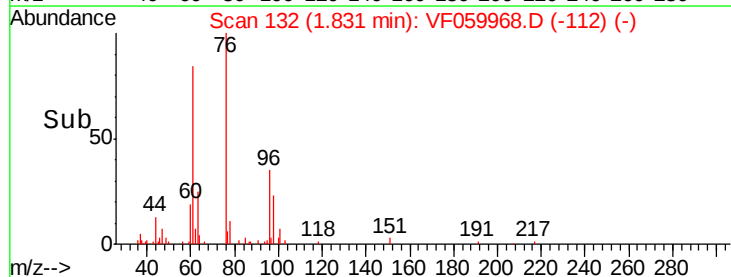
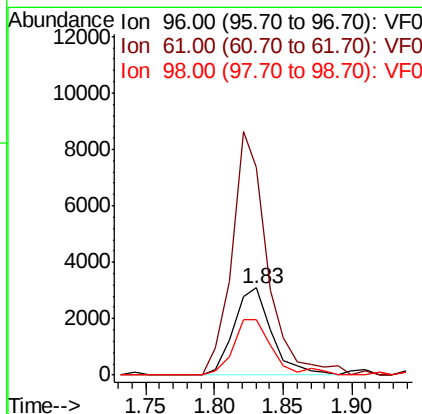
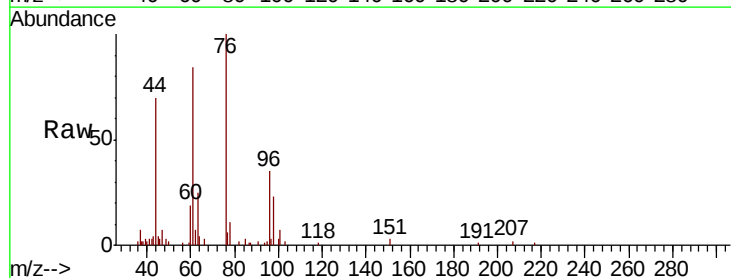
apatel
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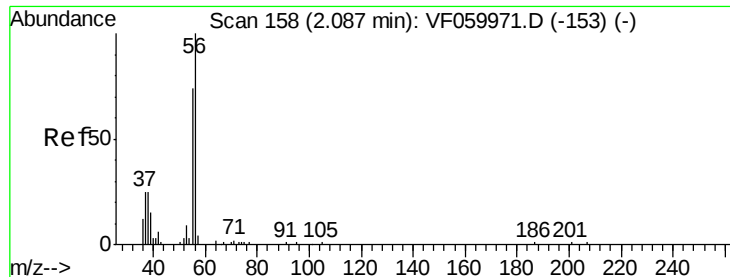


#12

1,1-Dichloroethene
 Concen: 4.87 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	238.5	200.0	300.0
98	64.0	49.8	74.8





#13

Acrolein

Concen: 40.39 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 1935

Ion Ratio Lower Upper

56 100

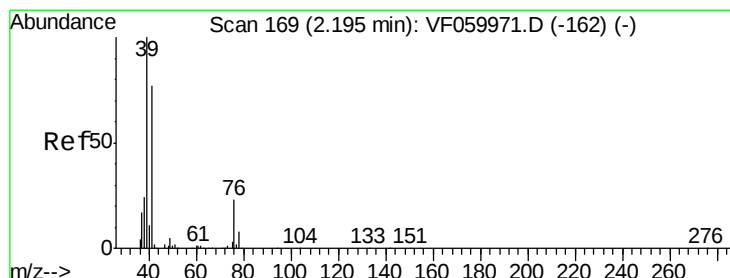
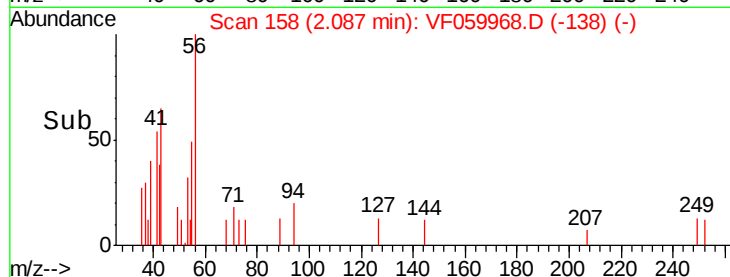
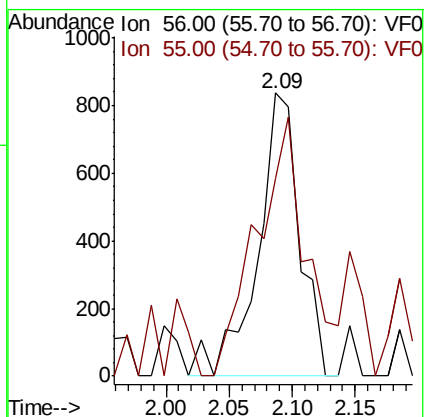
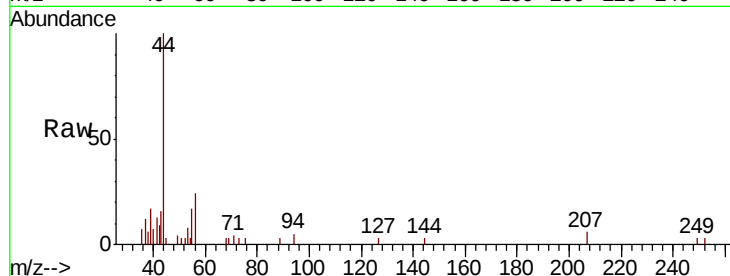
55 69.9 59.2 88.8

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#14

Allyl chloride

Concen: 5.65 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

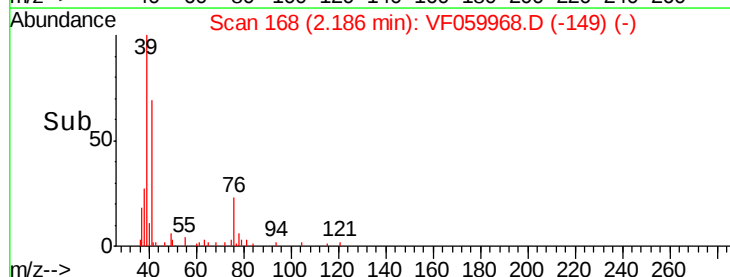
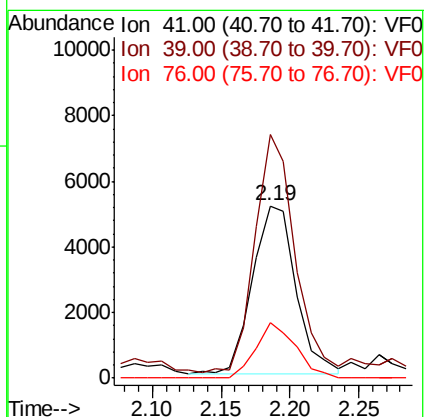
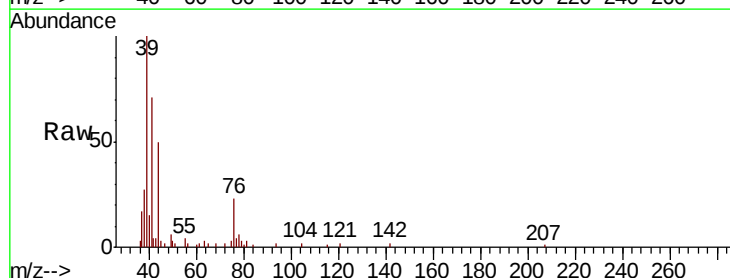
Tgt Ion: 41 Resp: 11306

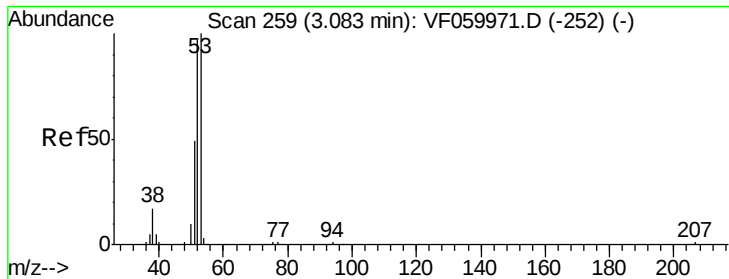
Ion Ratio Lower Upper

41 100

39 141.4 103.6 155.4

76 32.1 23.5 35.3





#15

Acrylonitrile

Concen: 25.48 ug/l

RT: 3.08 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

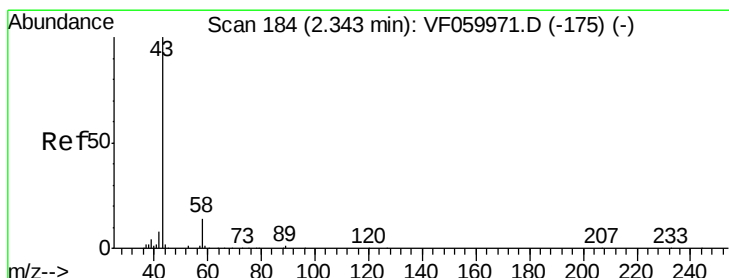
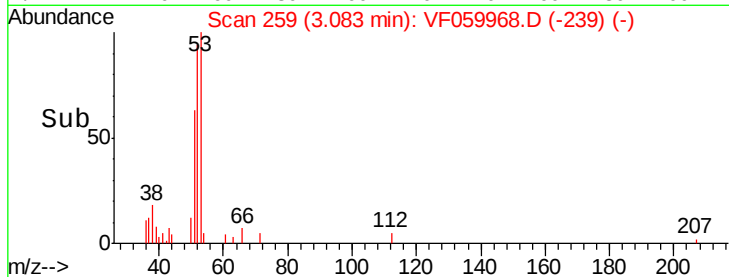
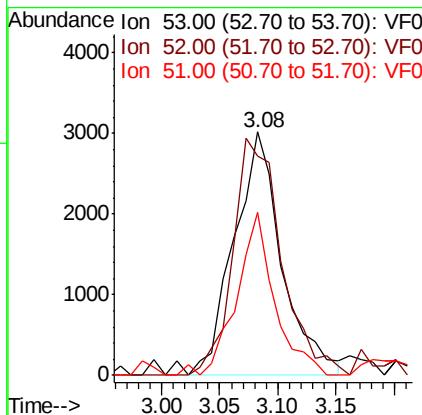
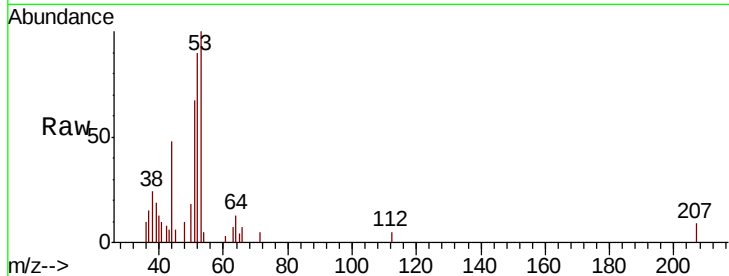
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	8626
Ion	Ratio	Lower	Upper
53	100		
52	90.1	77.6	116.4
51	66.8	40.2	60.2#

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#16

Acetone

Concen: 23.41 ug/l

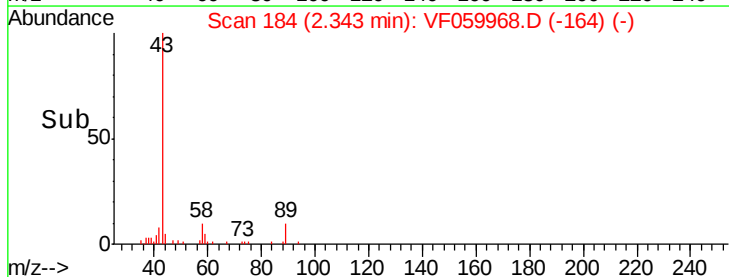
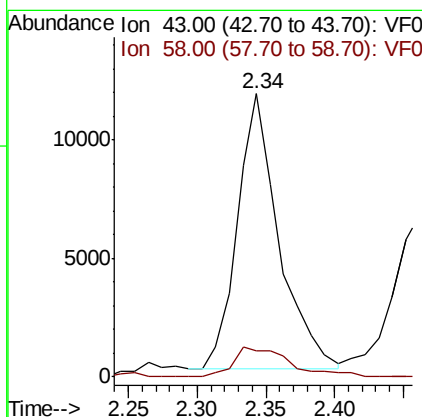
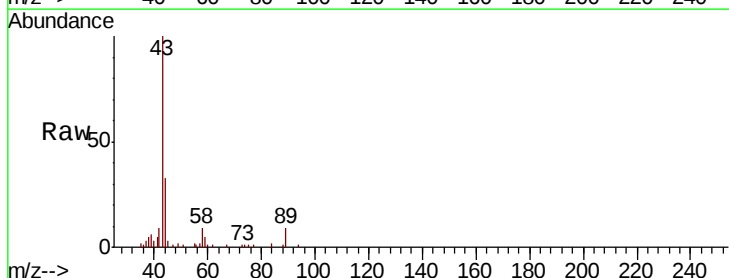
RT: 2.34 min Scan# 184

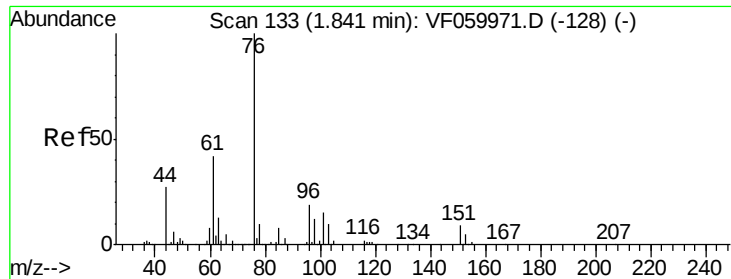
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	43	Resp:	24309
Ion	Ratio	Lower	Upper
43	100		
58	9.4	11.1	16.7#





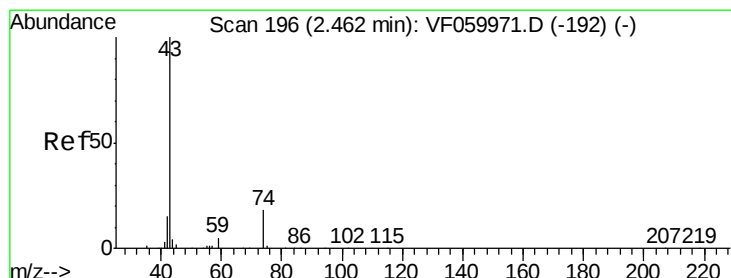
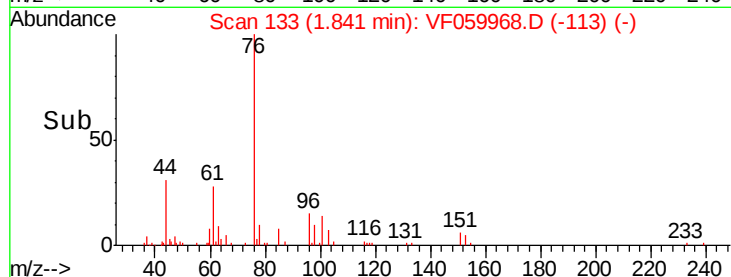
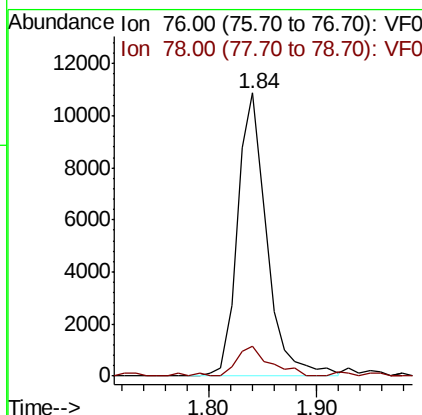
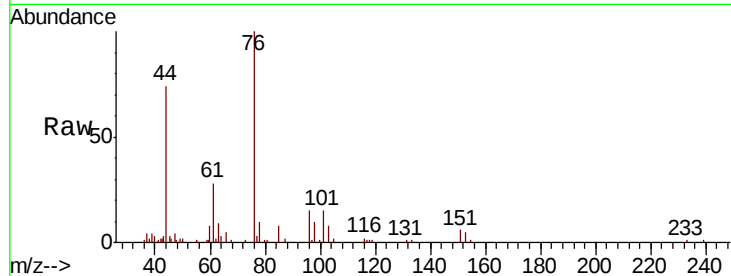
#17
Carbon Disulfide
Concen: 5.34 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.4	8.0	12.0

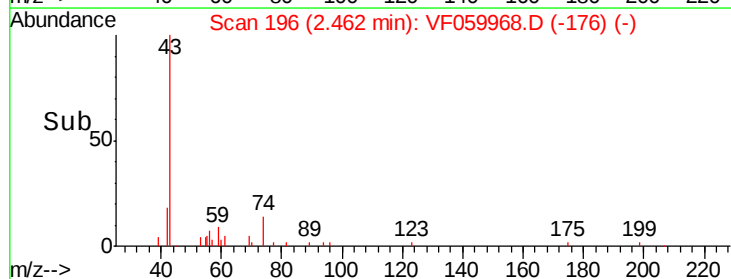
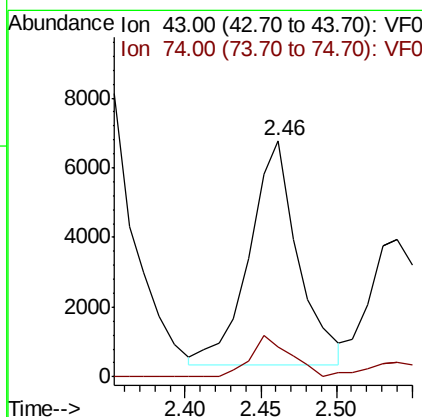
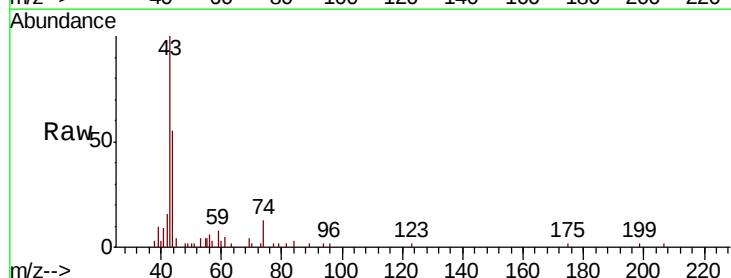
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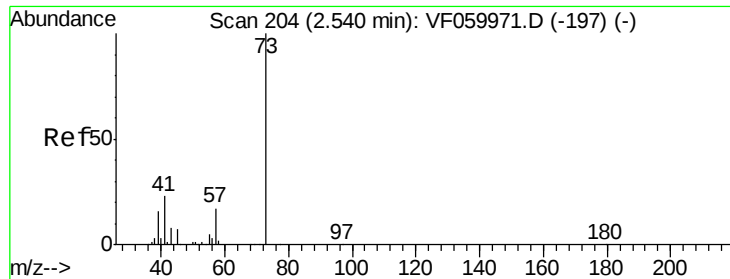
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#18
Methyl Acetate
Concen: 2.08 ug/l
RT: 2.46 min Scan# 196
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.8	13.2	19.8#





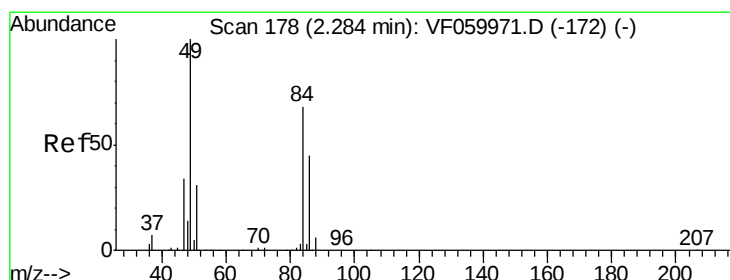
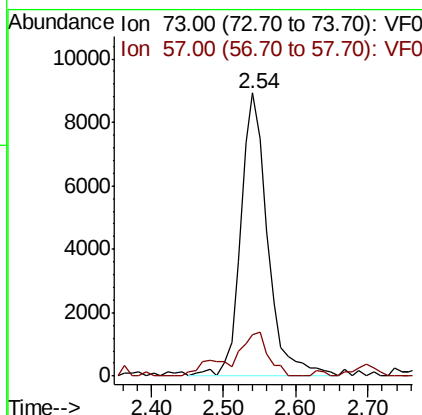
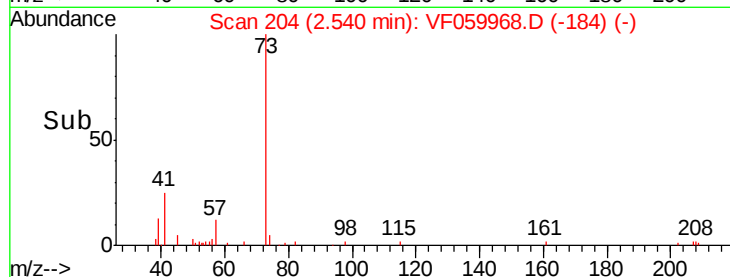
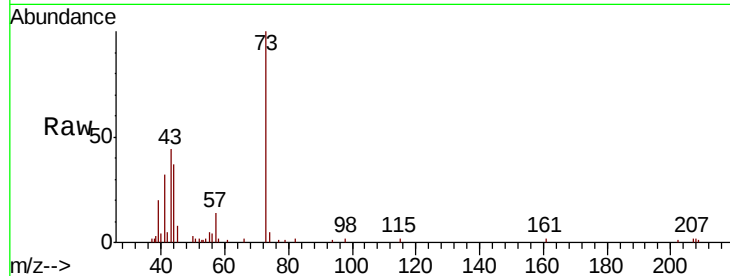
#19
Methvl tert-butvl Ether
Concen: 5.14 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 23269
Ion Ratio Lower Upper
73 100
57 14.5 13.7 20.5

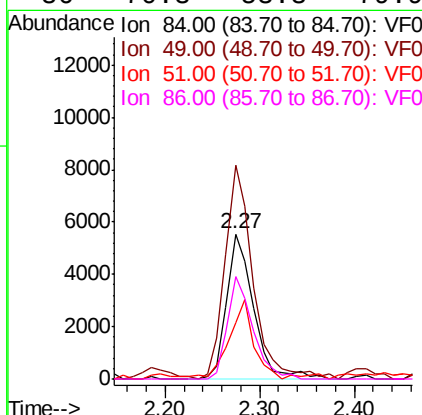
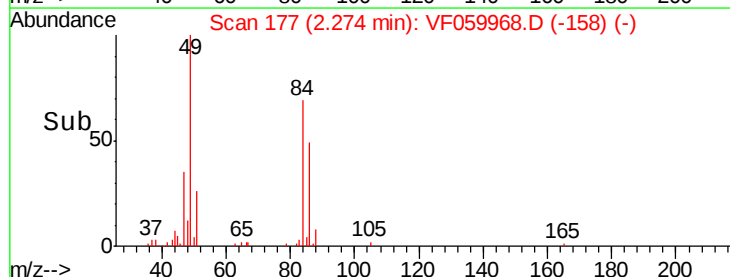
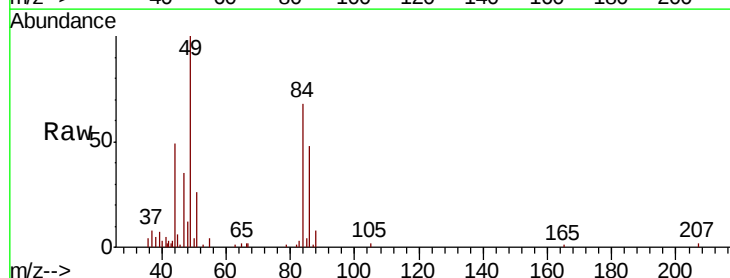
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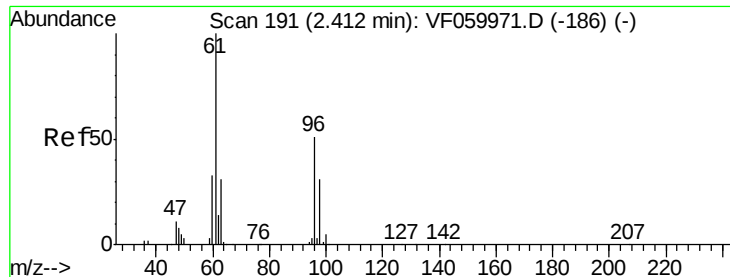
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#20
Methylene Chloride
Concen: 4.38 ug/l
RT: 2.27 min Scan# 177
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion: 84 Resp: 10939
Ion Ratio Lower Upper
84 100
49 147.3 118.2 177.2
51 38.8 36.3 54.5
86 70.3 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 4.68 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

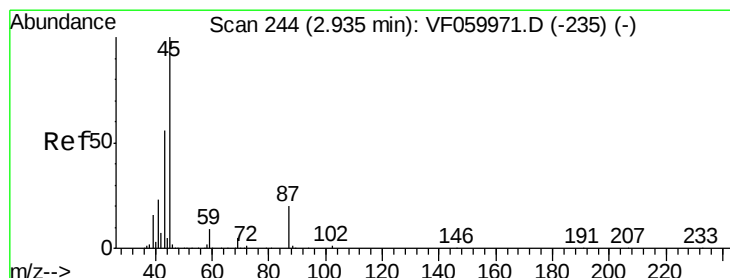
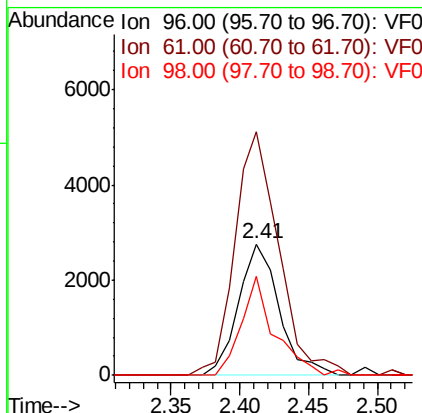
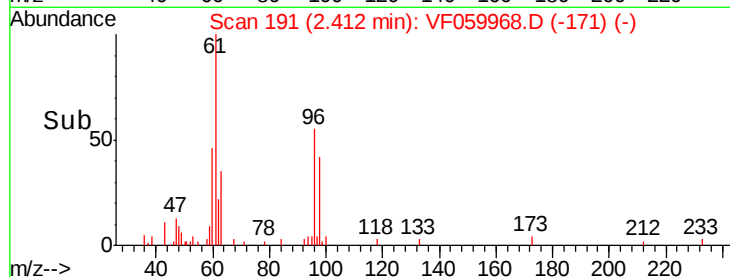
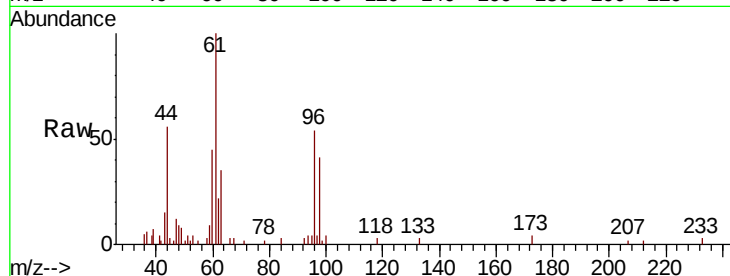
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	5706
Ion	Ratio	Lower	Upper
96	100		
61	185.7	156.9	235.3
98	79.5	48.6	73.0#

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#22

Diisopropyl ether

Concen: 4.54 ug/l

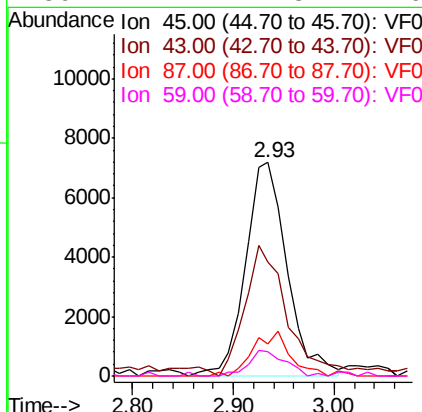
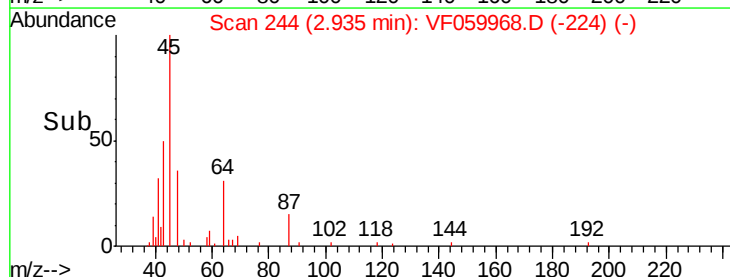
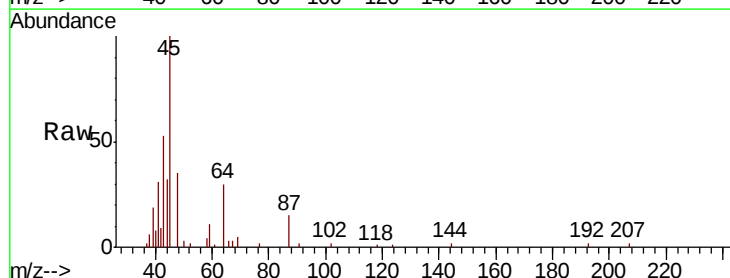
RT: 2.93 min Scan# 244

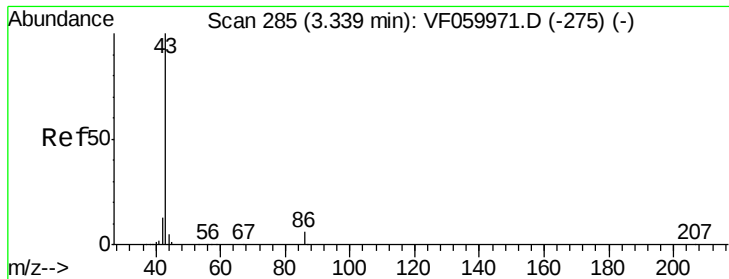
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	45	Resp:	20569
Ion	Ratio	Lower	Upper
45	100		
43	53.3	44.9	67.3
87	14.8	15.8	23.6#
59	11.1	7.8	11.6





#23

Vinyl Acetate

Concen: 20.25 ug/l

RT: 3.34 min Scan# 285

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 40119

Ion Ratio Lower Upper

43 100

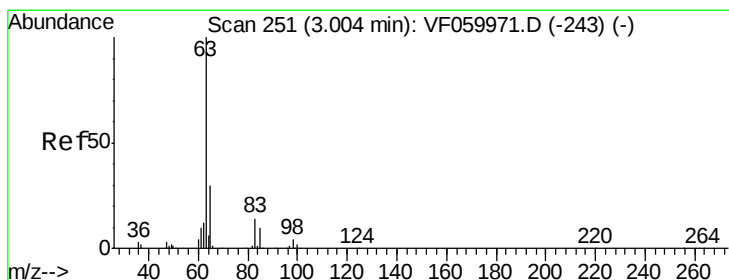
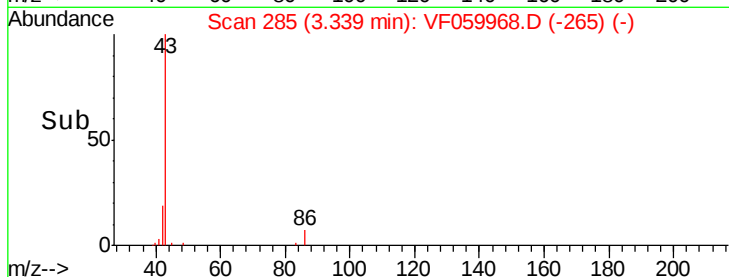
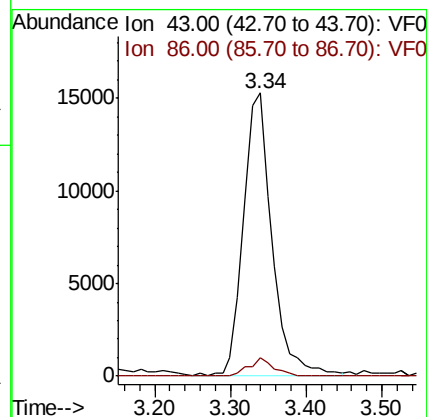
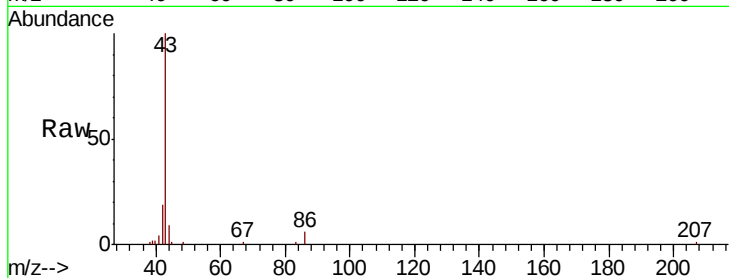
86 6.4 4.5 6.7

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#24

1,1-Dichloroethane

Concen: 4.74 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

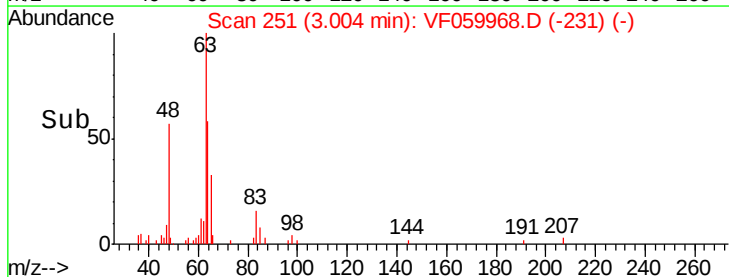
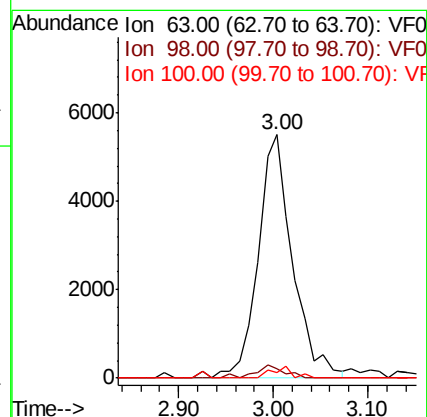
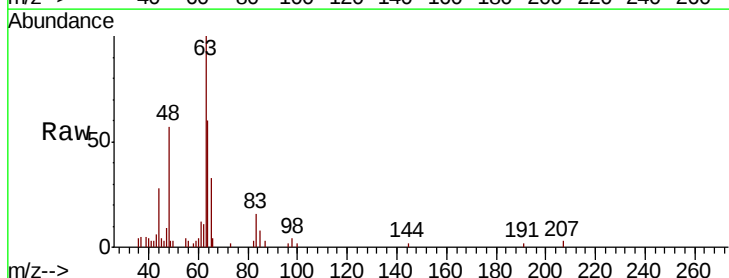
Tgt Ion: 63 Resp: 13957

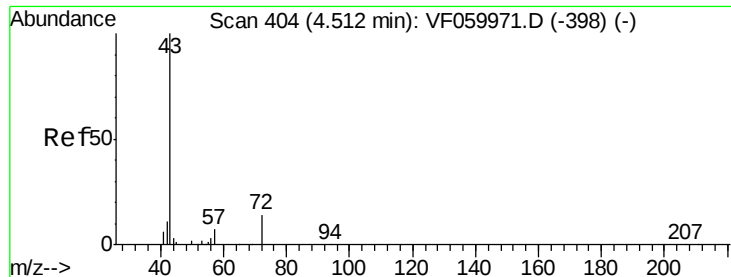
Ion Ratio Lower Upper

63 100

98 4.0 1.8 5.4

100 2.3 1.1 3.1





#25

2-Butanone

Concen: 24.35 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 18865

Ion Ratio Lower Upper

43 100

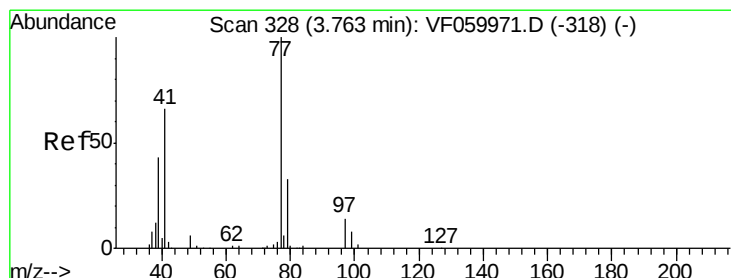
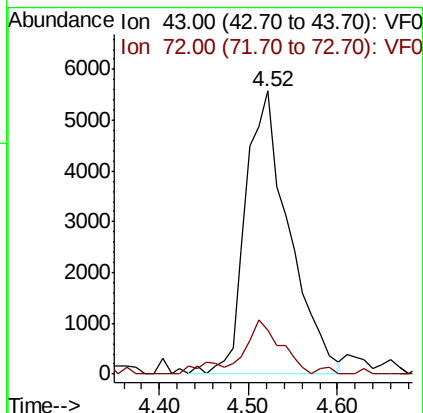
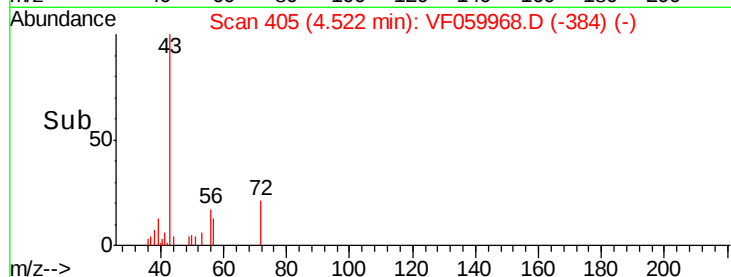
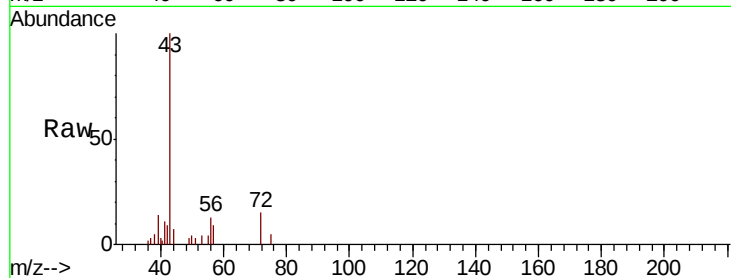
72 15.4 13.4 20.2

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#26

2,2-Dichloropropane

Concen: 4.67 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF059968.D

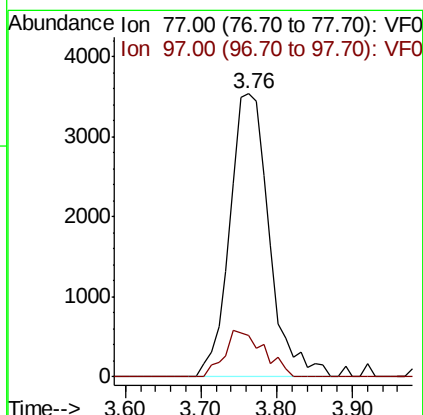
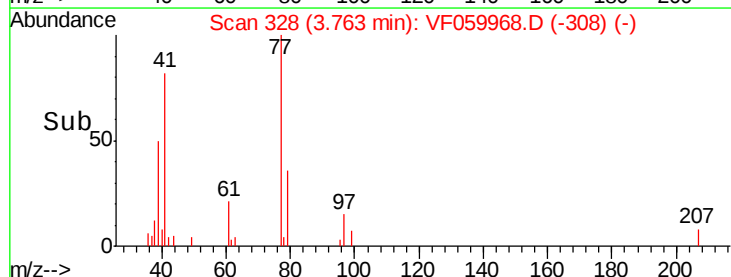
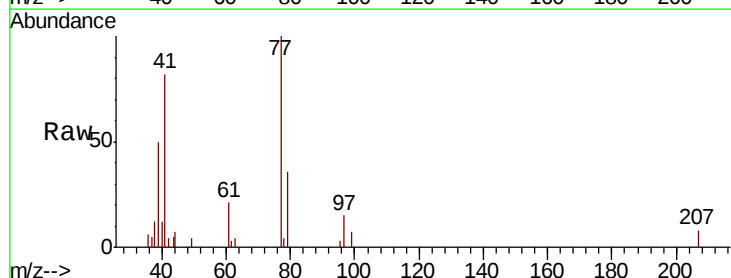
Acq: 16 Aug 2018 19:14

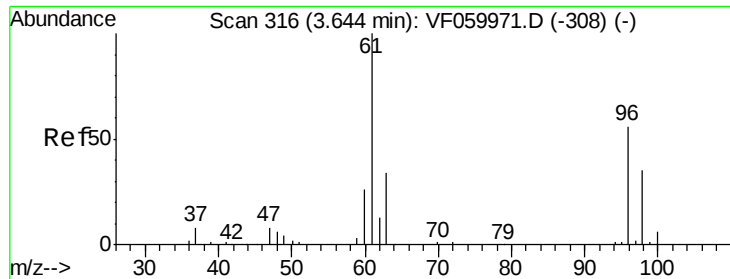
Tgt Ion: 77 Resp: 12804

Ion Ratio Lower Upper

77 100

97 14.6 7.4 22.3





#27

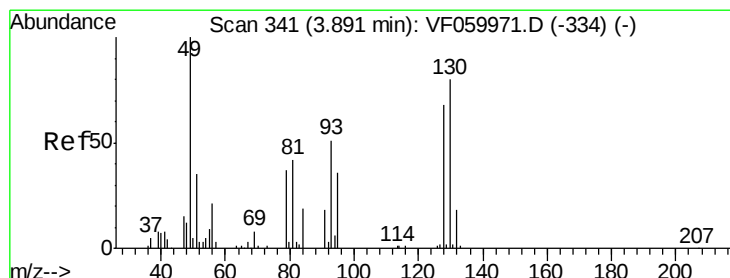
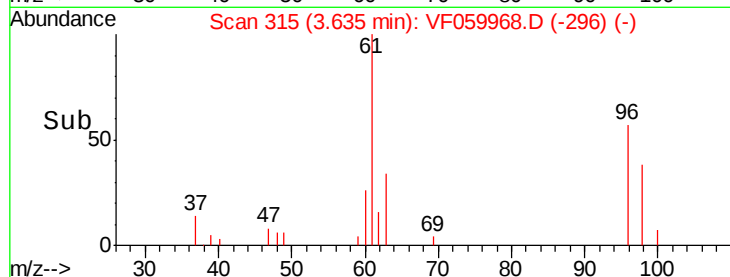
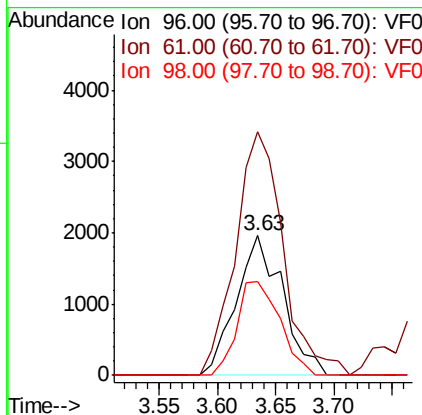
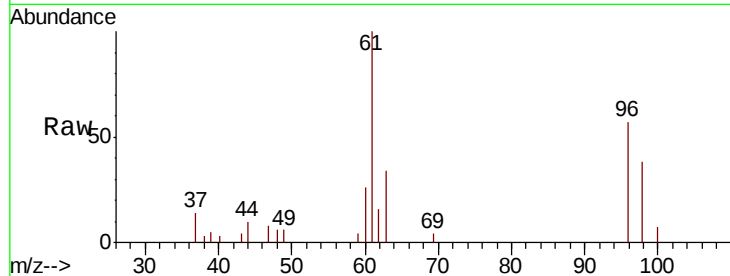
cis-1,2-Dichloroethene
Concen: 4.65 ug/l
RT: 3.63 min Scan# 315
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	174.1	0.0	356.4
98	66.7	0.0	125.2

Manual Integrations
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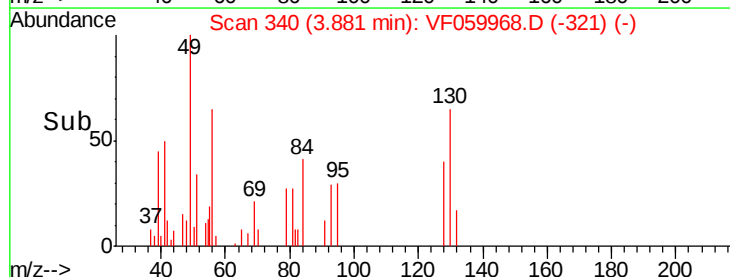
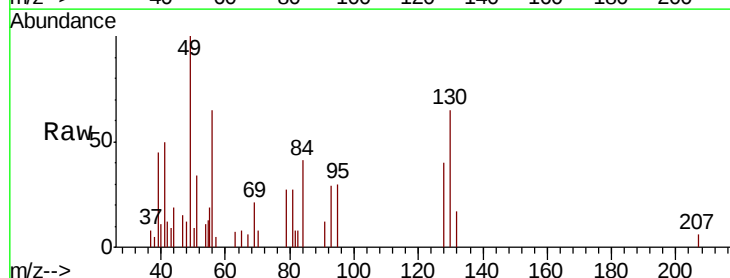
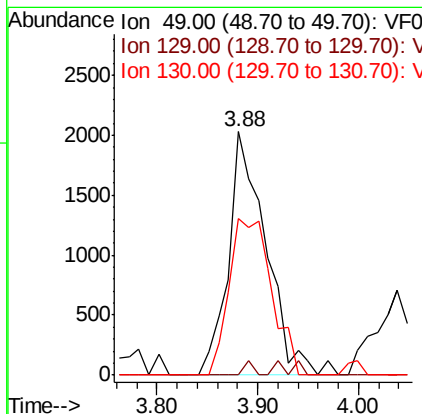
apatel
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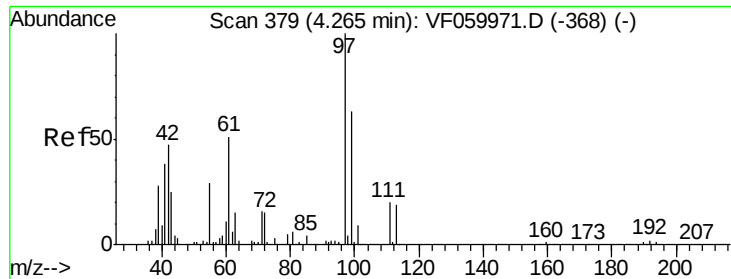


#28

Bromochloromethane
Concen: 5.62 ug/l
RT: 3.88 min Scan# 340
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	64.5	64.0	96.0





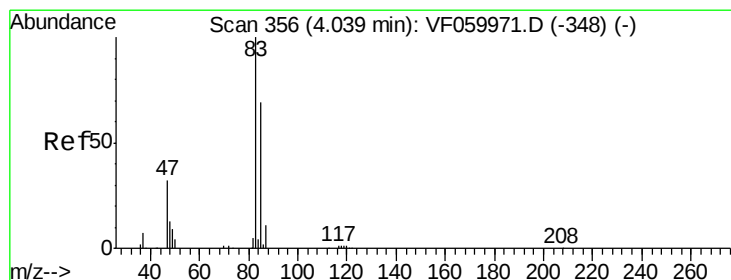
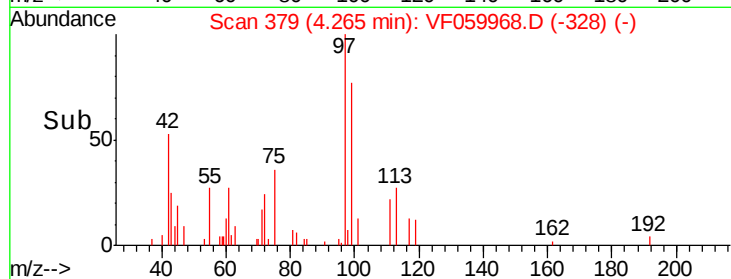
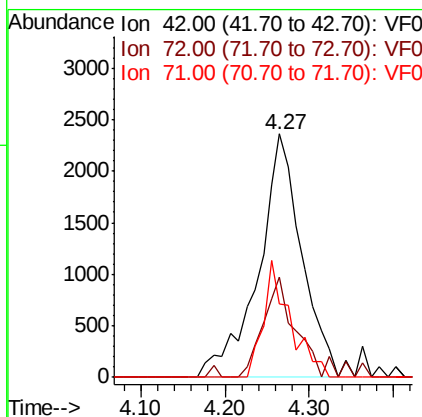
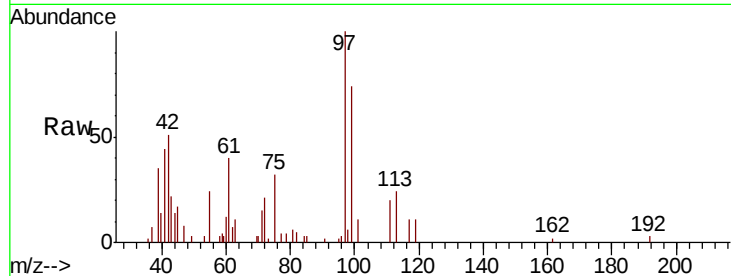
#29
Tetrahydrofuran
Concen: 28.04 ug/l
RT: 4.27 min Scan# 379
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	30.1	27.9	41.9
71	30.2	26.9	40.3

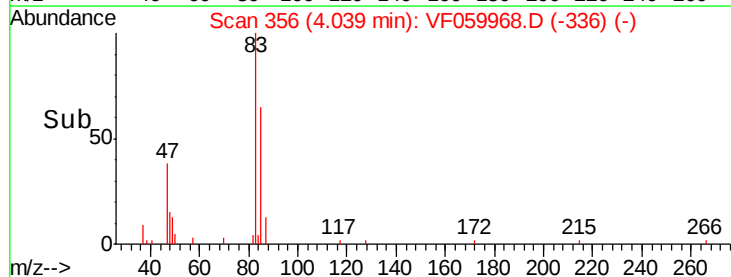
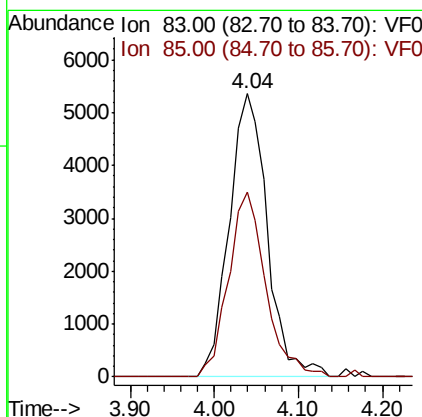
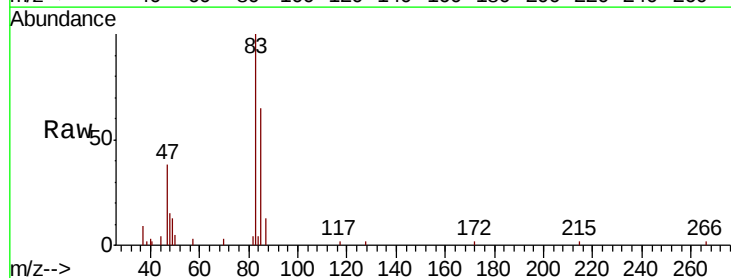
Manual Integrations
APPROVED

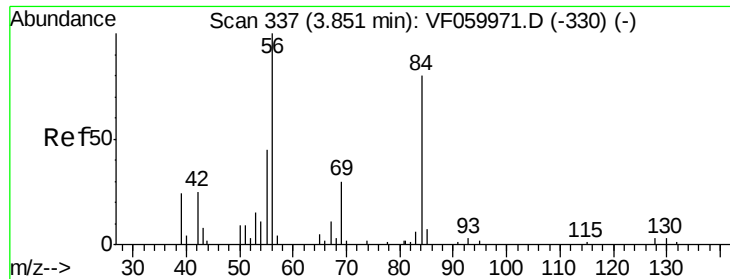
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#30
Chloroform
Concen: 4.86 ug/l
RT: 4.04 min Scan# 356
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	54.9	82.3





#31

Cyclohexane

Concen: 4.79 ug/l

RT: 3.85 min Scan# 337

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

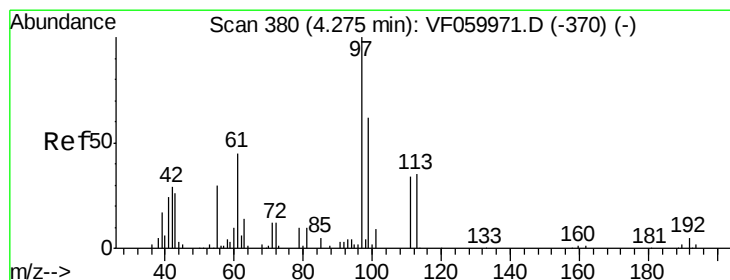
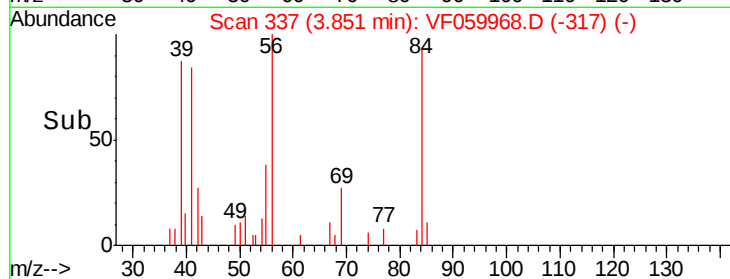
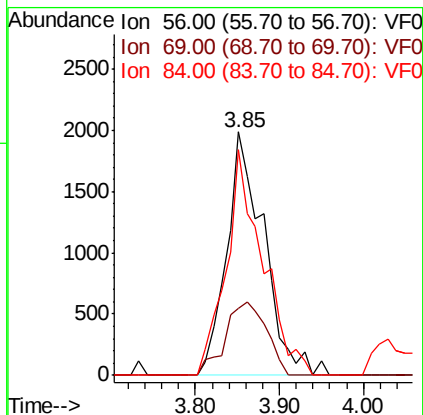
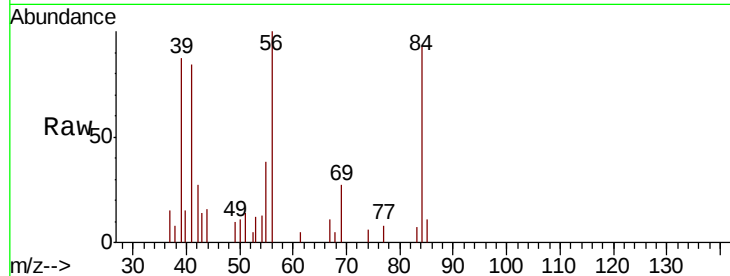
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	6130
Ion	Ratio	Lower	Upper
56	100		
69	27.4	23.8	35.6
84	92.6	64.3	96.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 4.90 ug/l

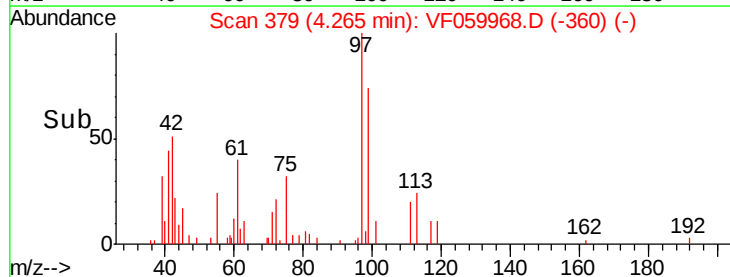
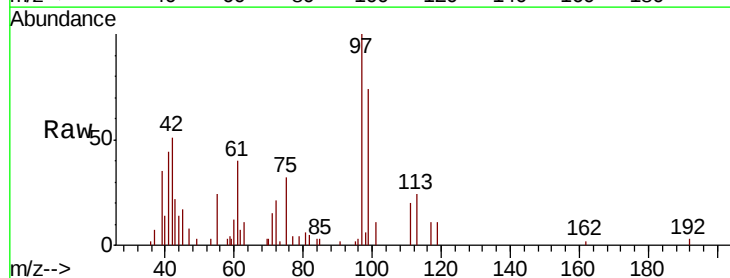
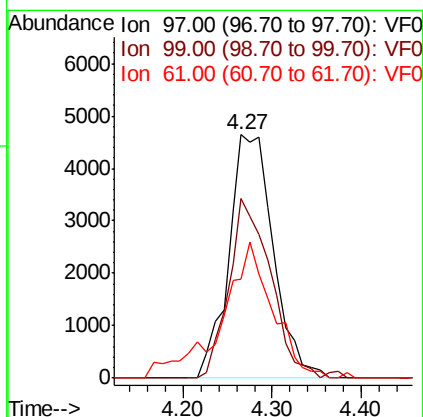
RT: 4.27 min Scan# 379

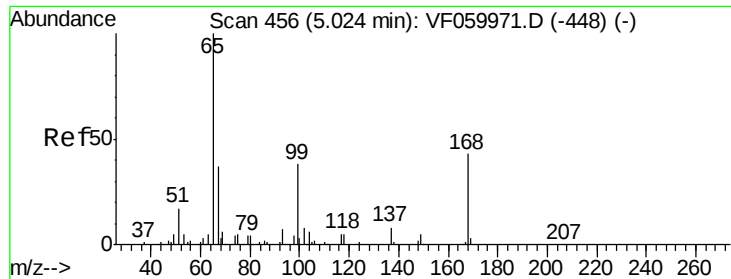
Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	97	Resp:	16175
Ion	Ratio	Lower	Upper
97	100		
99	73.6	49.3	73.9
61	40.4	36.5	54.7





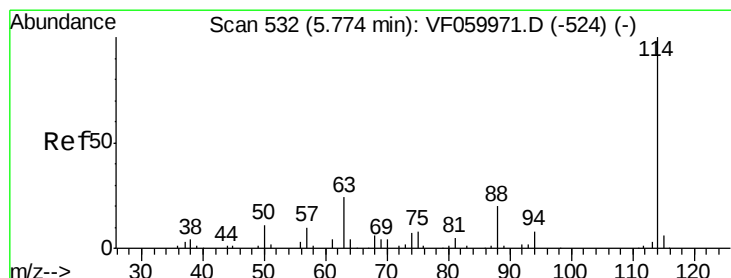
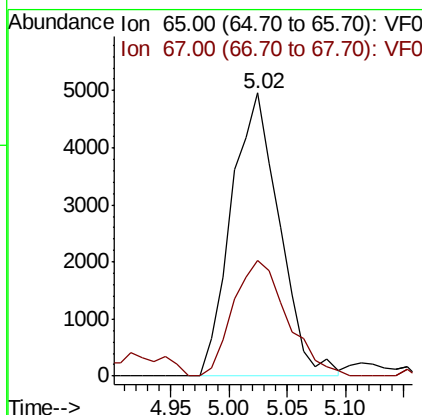
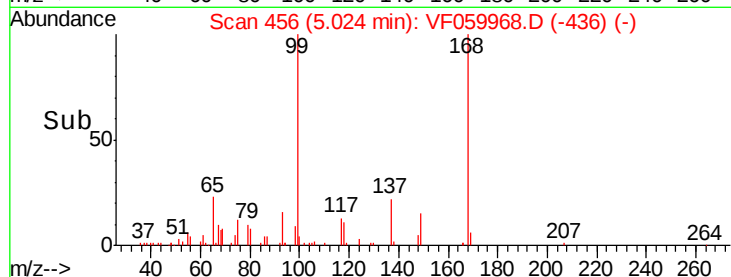
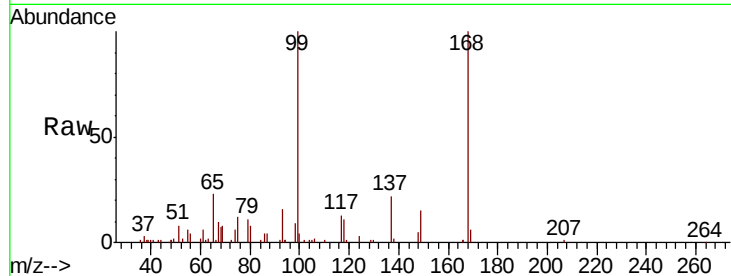
#33
 1,2-Dichloroethane-d4
 Concen: 4.96 ug/l
 RT: 5.02 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	41.1	0.0	84.8

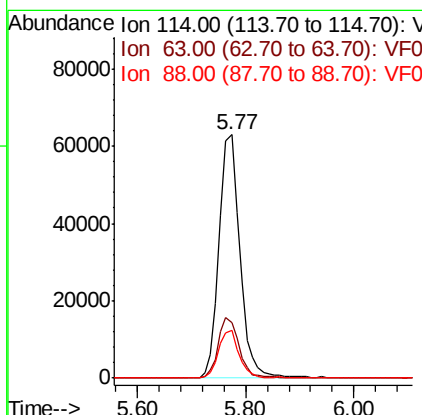
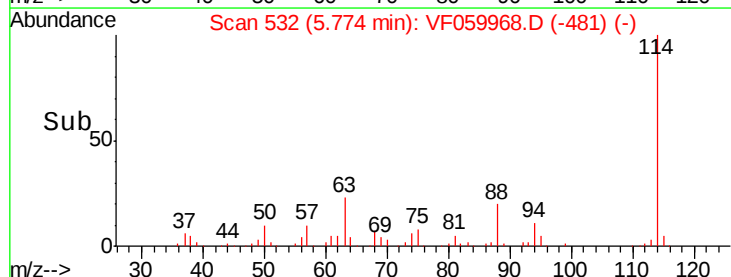
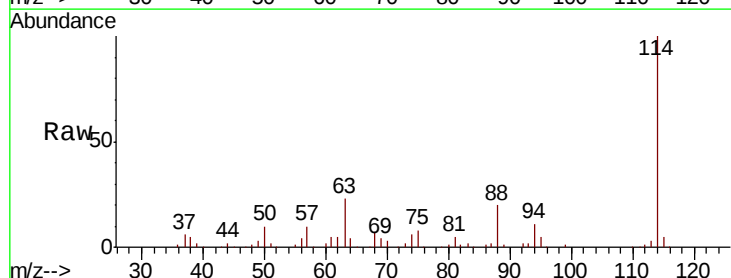
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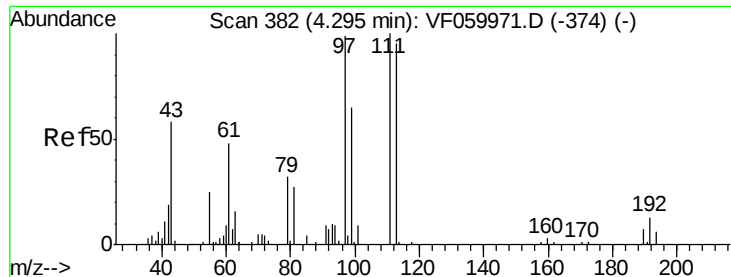
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.77 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	48.8
88	19.7	0.0	39.6





#35

Dibromofluoromethane

Concen: 5.16 ug/l

RT: 4.30 min Scan# 383

Delta R.T. 0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

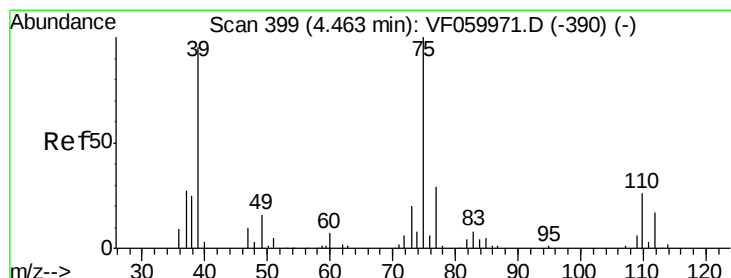
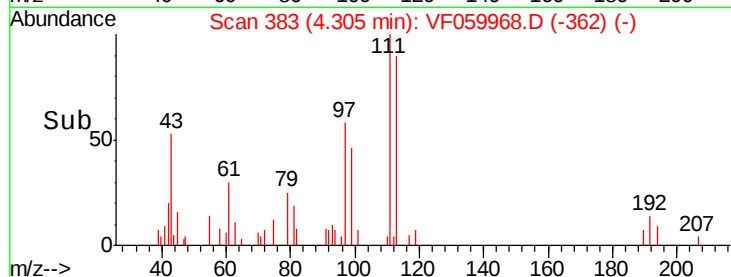
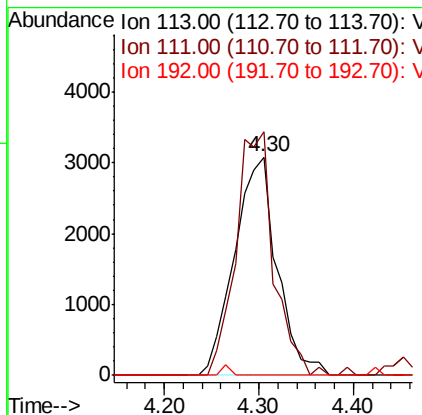
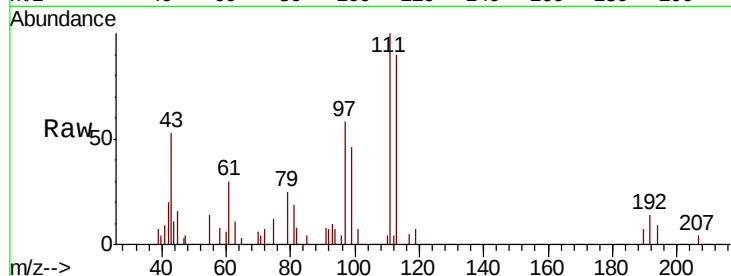
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	111.6	83.9	125.9
192	0.0	11.3	16.9

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#36

1,1-Dichloropropene

Concen: 5.43 ug/l

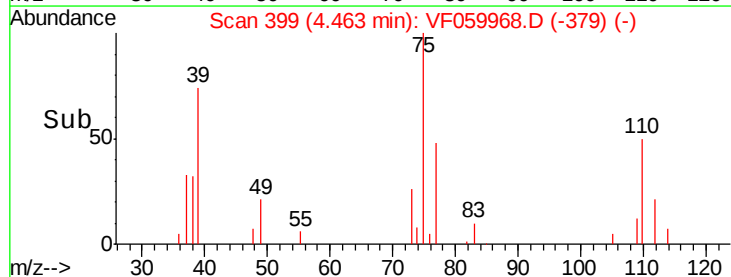
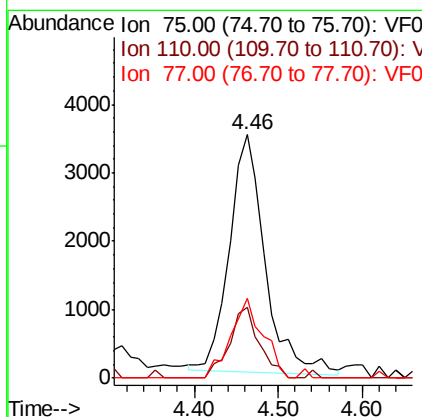
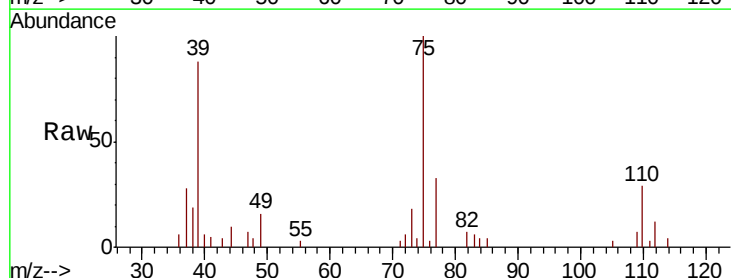
RT: 4.46 min Scan# 399

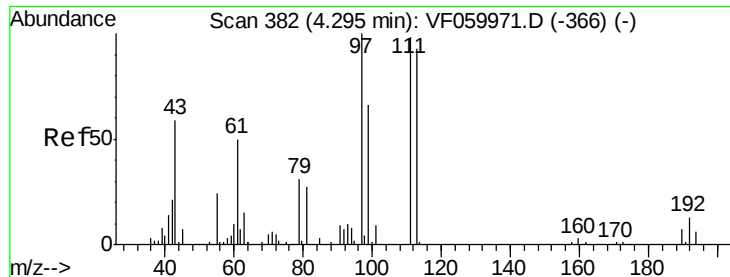
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	29.0	13.1	39.3
77	33.0	23.4	35.0





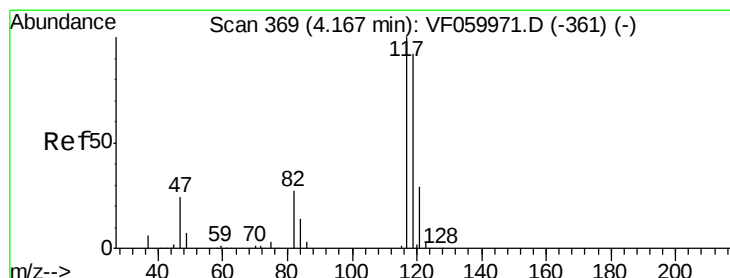
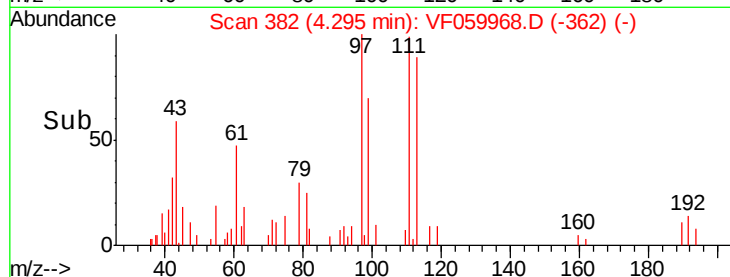
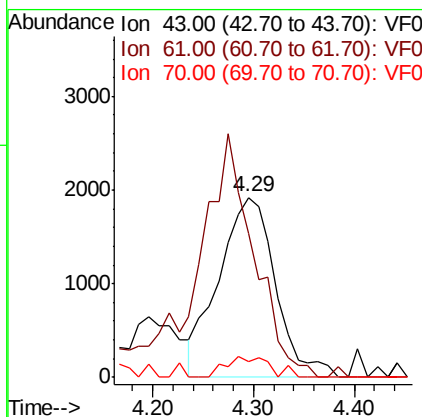
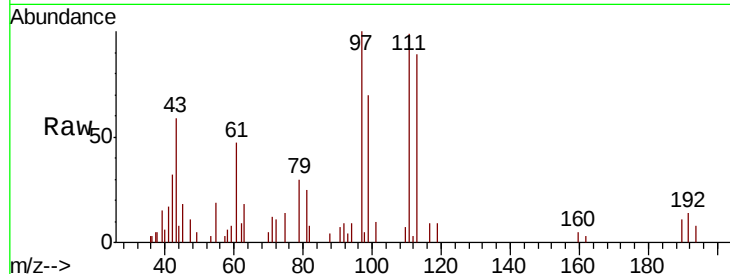
#37
Ethyl Acetate
Concen: 4.76 ug/l
RT: 4.29 min Scan# 382
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	43	61	70	Ratio	Lower	Upper
43	100					
61	79.9	67.0	100.4			
70	8.9	6.7	10.1			

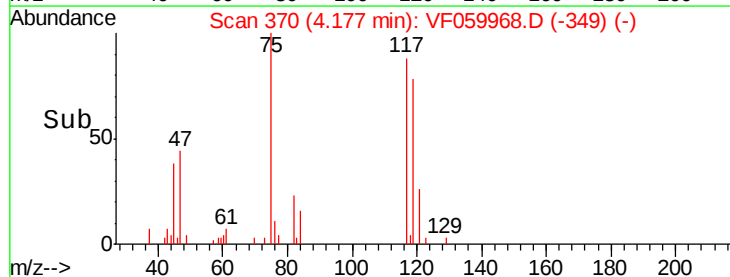
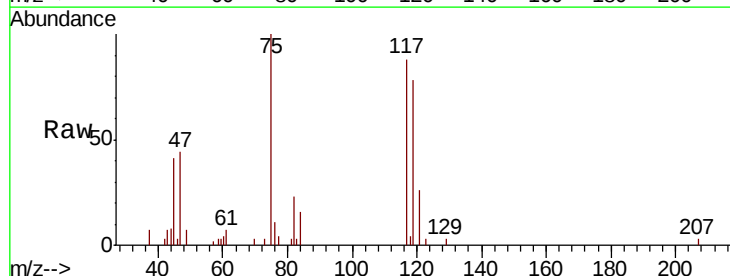
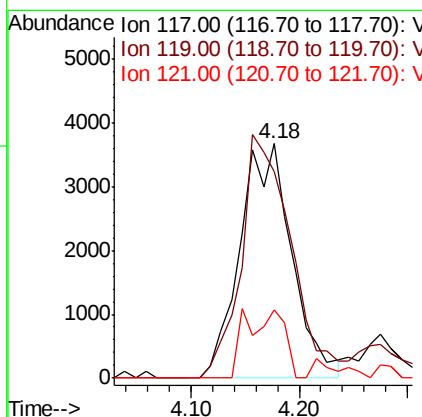
Manual Integrations
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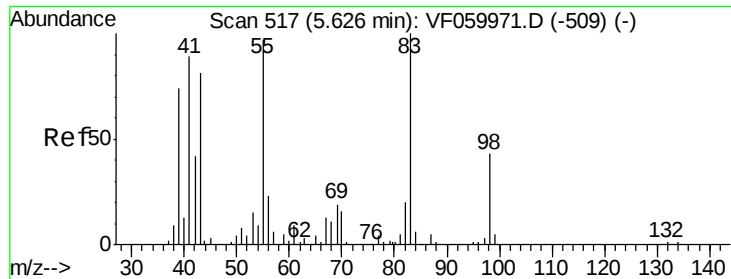
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#38
Carbon Tetrachloride
Concen: 4.69 ug/l
RT: 4.18 min Scan# 370
Delta R.T. 0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	117	119	121	Ratio	Lower	Upper
117	100					
119	88.4	73.6	110.4			
121	29.2	23.4	35.2			





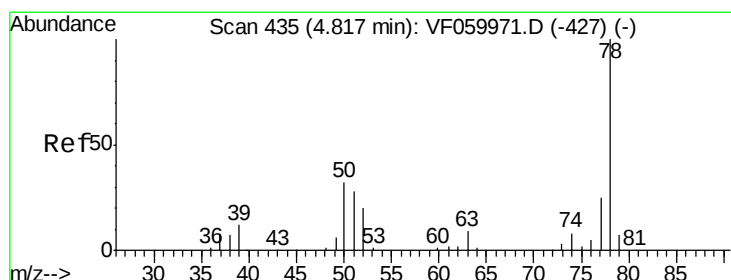
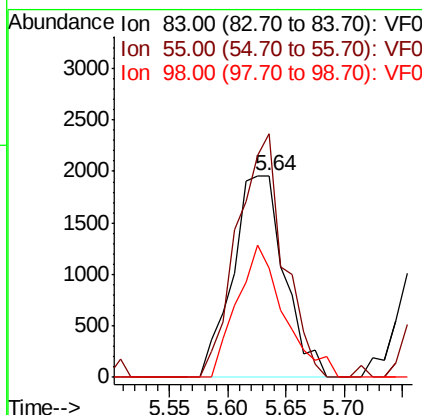
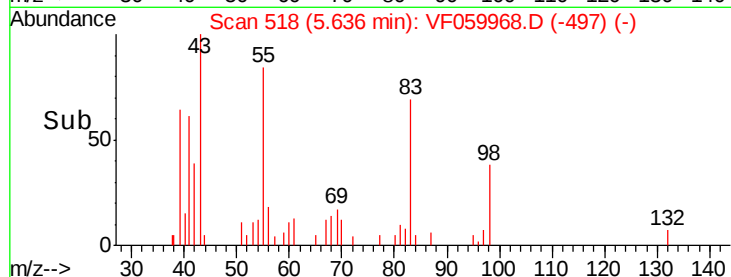
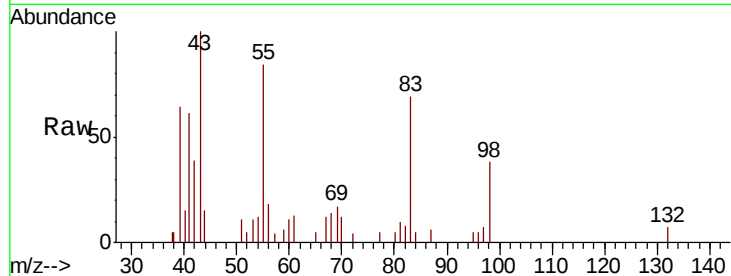
#39
Methvlcvclohexane
Concen: 4.40 ug/l
RT: 5.64 min Scan# 518
Delta R.T. 0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	120.8	77.7	116.5#
98	54.5	34.2	51.4#

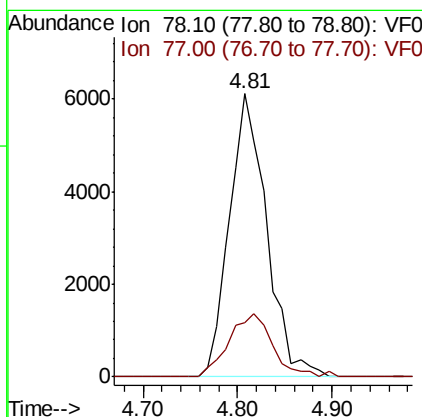
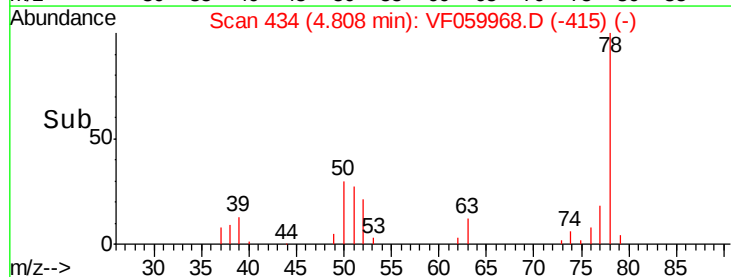
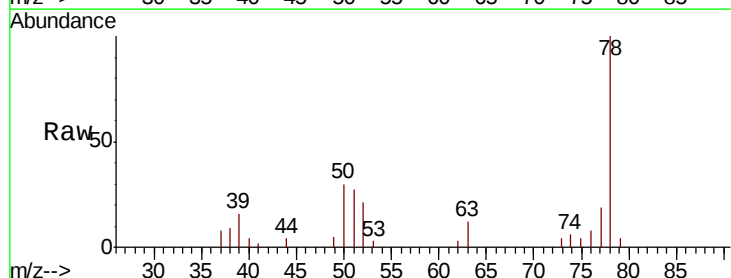
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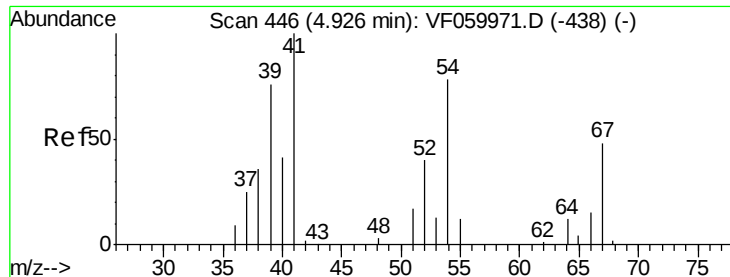
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#40
Benzene
Concen: 5.17 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.2	20.3	30.5#





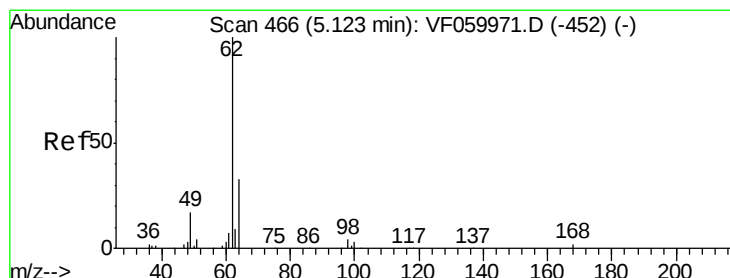
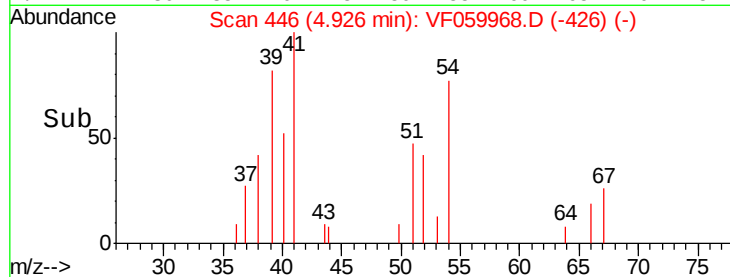
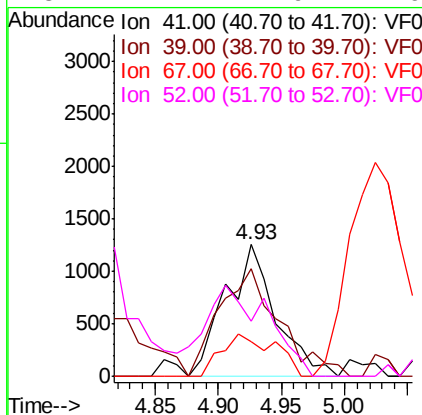
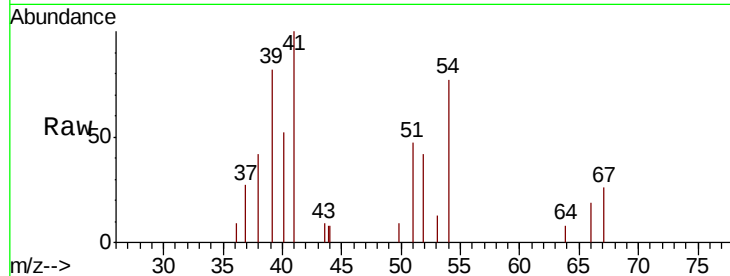
#41
Methacrylonitrile
Concen: 5.13 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:	41	Resp:	3490
Ion	Ratio	Lower	Upper
41	100		
39	82.0	69.9	104.9
67	26.0	38.6	58.0
52	42.4	47.9	71.9

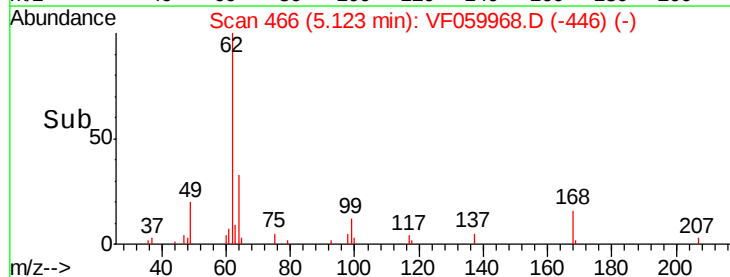
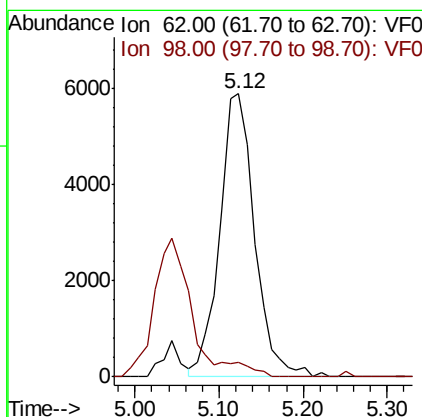
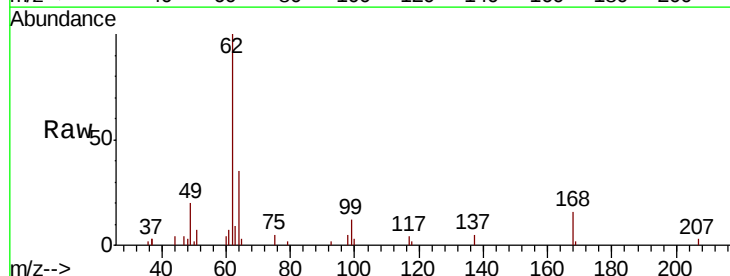
Manual Integrations
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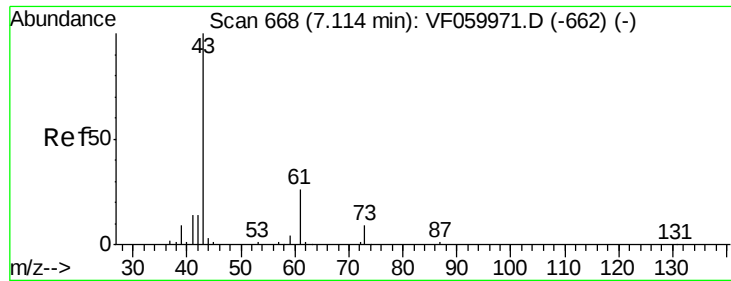
apatel
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#42
1,2-Dichloroethane
Concen: 5.28 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion:	62	Resp:	16962
Ion	Ratio	Lower	Upper
62	100		
98	5.1	0.0	8.2





#43

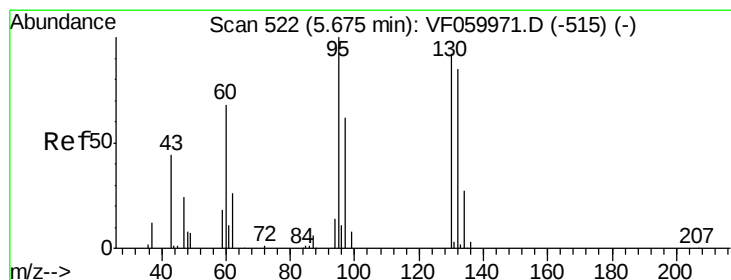
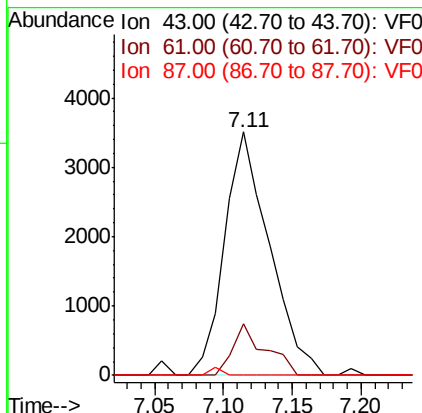
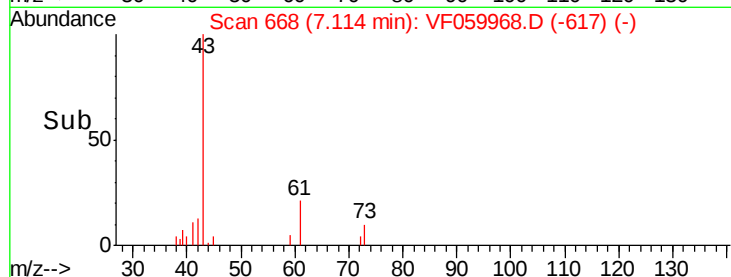
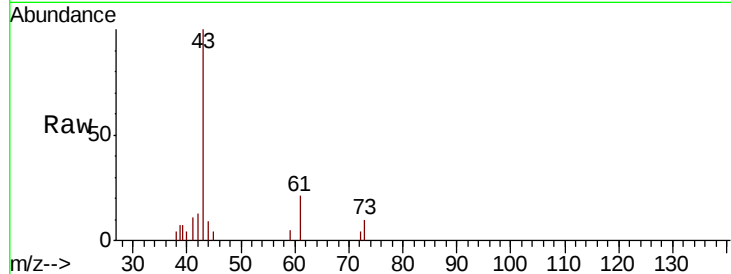
Isopropyl Acetate
 Concen: 5.07 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.2	20.8	31.2
87	0.0	0.5	0.7#

Manual Integrations
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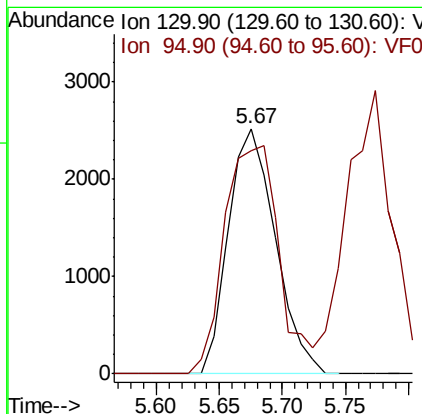
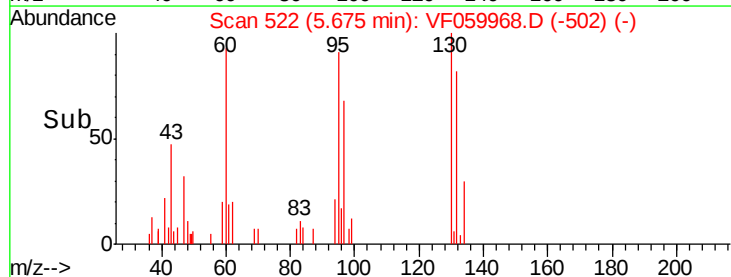
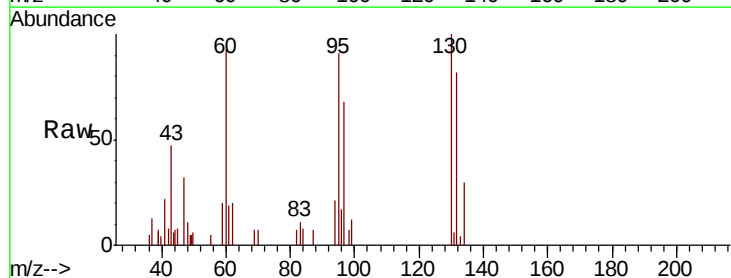
apatel
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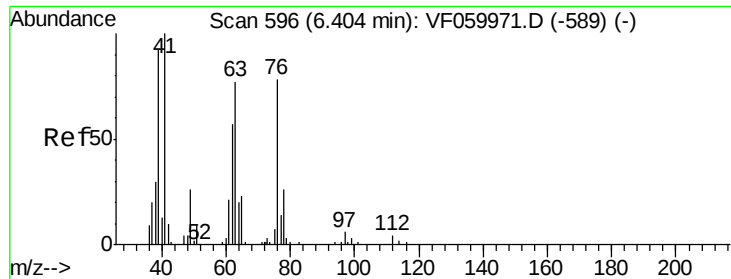


#44

Trichloroethene
 Concen: 5.08 ug/l
 RT: 5.67 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.0	0.0	218.4





#45

1,2-Dichloropropane

Concen: 4.79 ug/l

RT: 6.40 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 4498

Ion Ratio Lower Upper

63 100

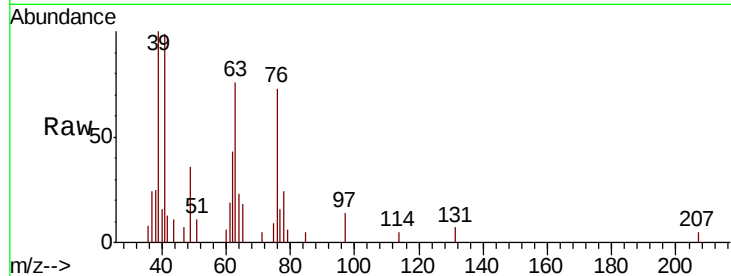
65 23.4 23.8 35.6#

Manual Integrations

APPROVED

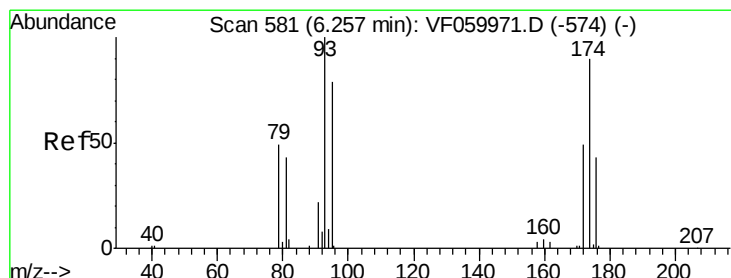
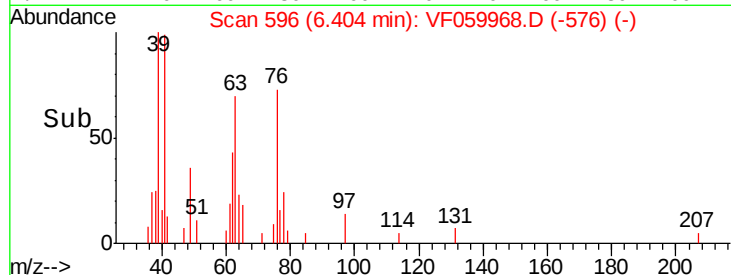
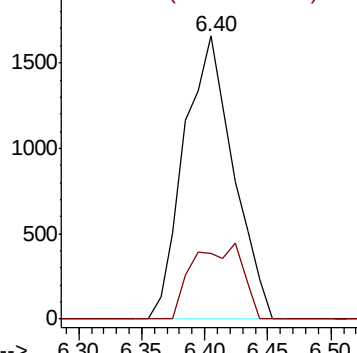
apatel

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Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0



#46

Dibromomethane

Concen: 5.48 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

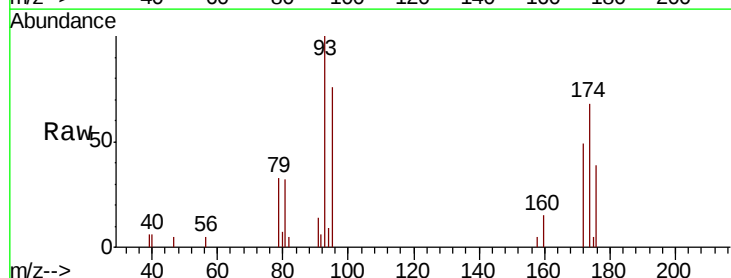
Tgt Ion: 93 Resp: 5943

Ion Ratio Lower Upper

93 100

95 76.0 64.0 96.0

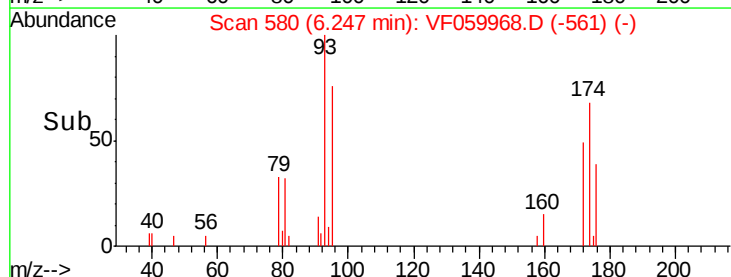
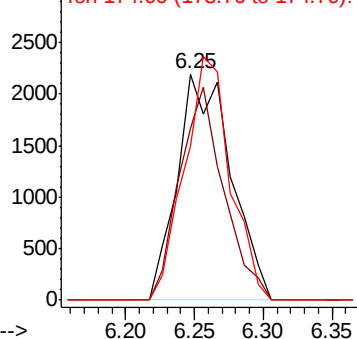
174 68.3 71.8 107.8#

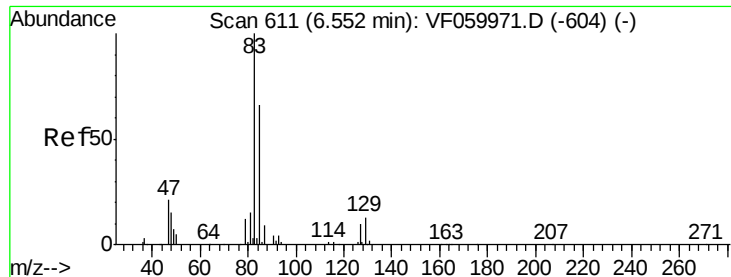


Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V





#47

Bromodichloromethane

Concen: 4.89 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

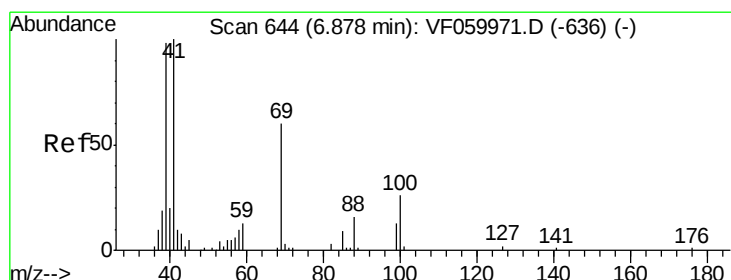
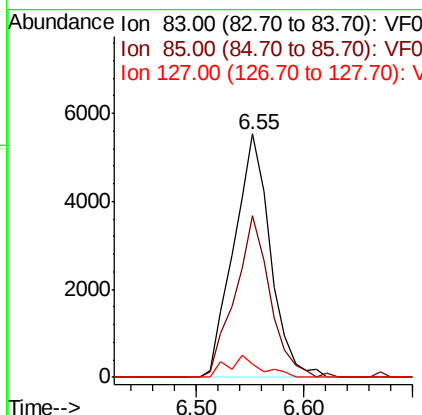
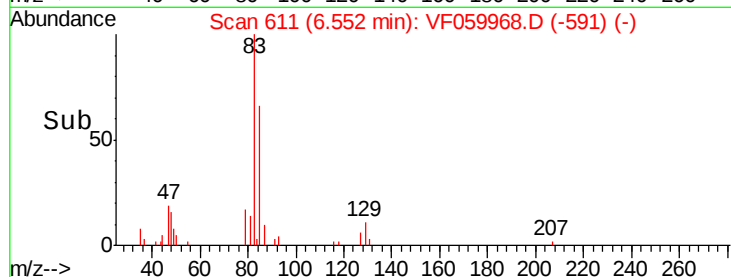
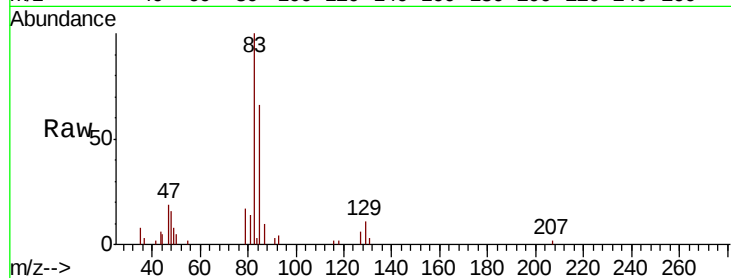
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	12945
Ion Ratio	Lower	Upper	
83	100		
85	66.2	53.2	79.8
127	5.6	8.4	12.6#

Manual Integrations
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#48

Methyl methacrylate

Concen: 4.45 ug/l

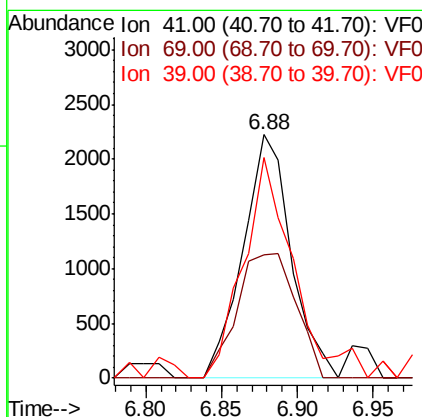
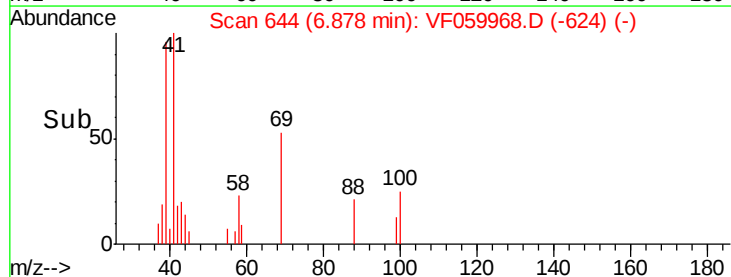
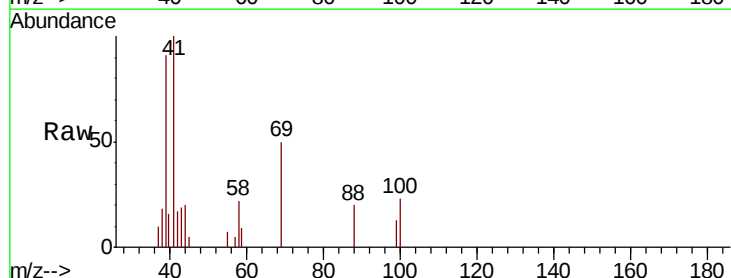
RT: 6.88 min Scan# 644

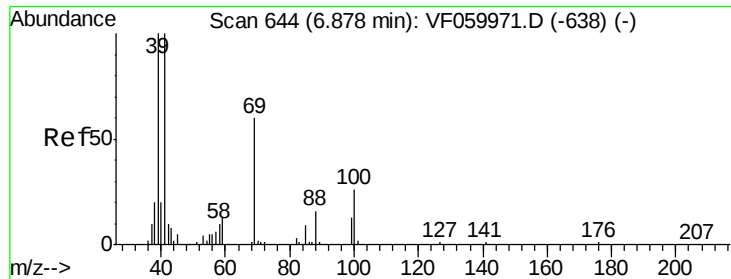
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	41	Resp:	4938
Ion Ratio	Lower	Upper	
41	100		
69	50.4	48.1	72.1
39	90.7	79.3	118.9





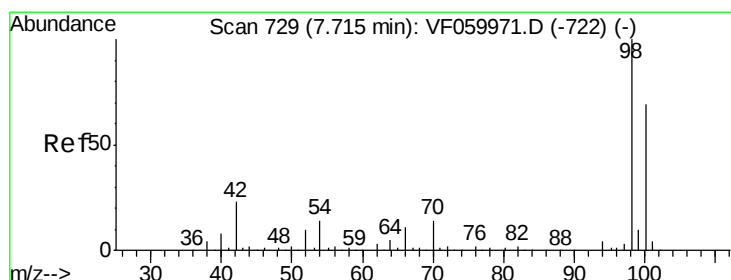
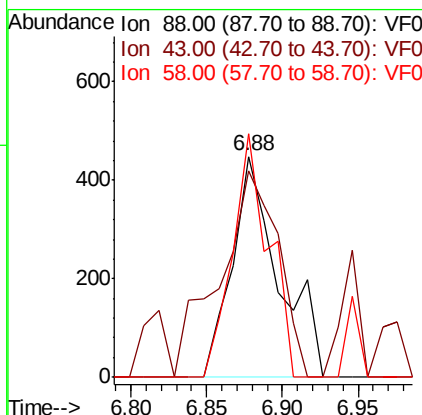
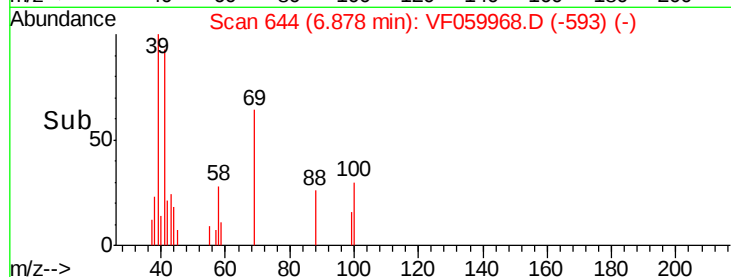
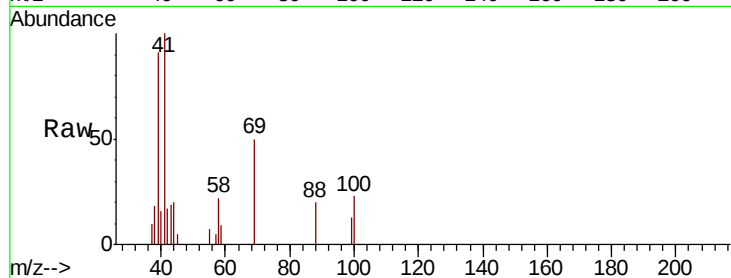
#49
1,4-Dioxane
Concen: 128.98 ug/l
RT: 6.88 min Scan# 644
Delta R.T. 0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	93.1	45.3	67.9#
58	110.0	51.2	76.8#

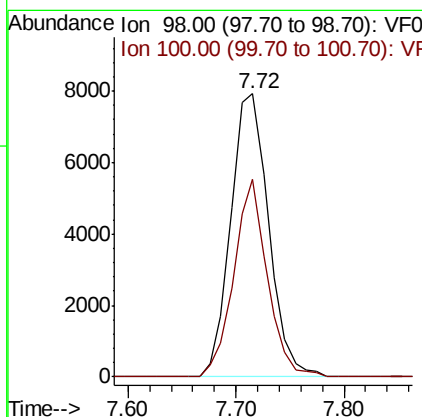
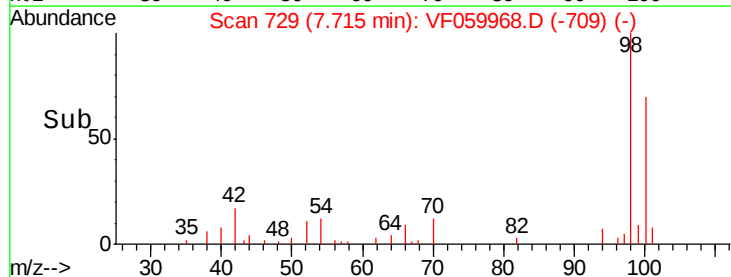
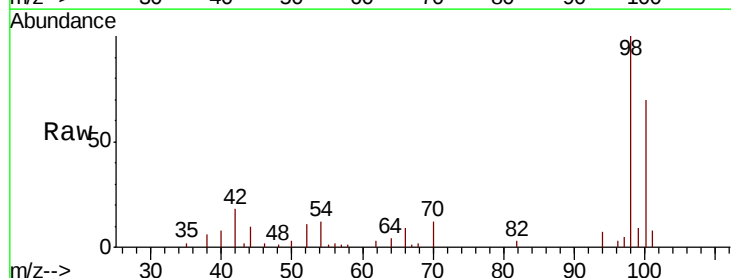
Manual Integrations
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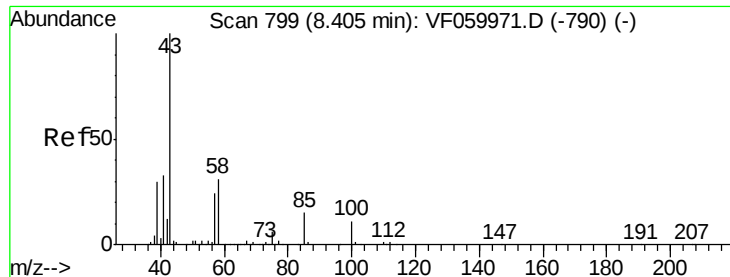
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#50
Toluene-d8
Concen: 4.90 ug/l
RT: 7.72 min Scan# 729
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.6	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 26.10 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 39693

Ion Ratio Lower Upper

43 100

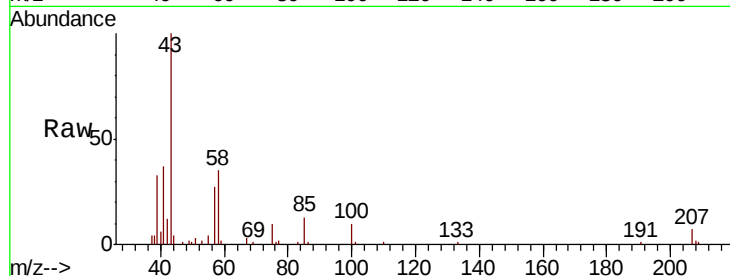
58 35.1 24.6 37.0

Manual Integrations

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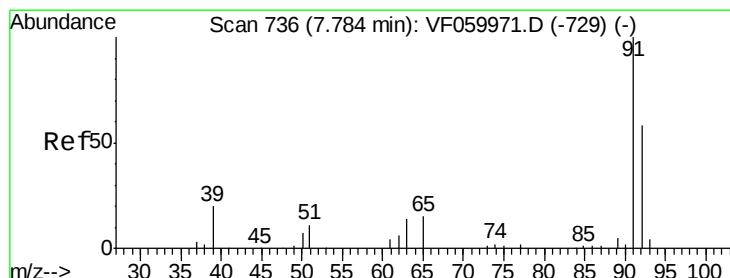
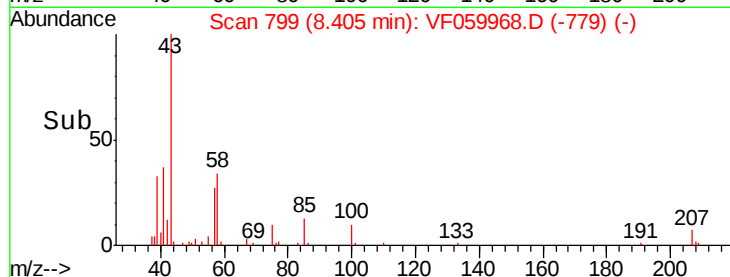
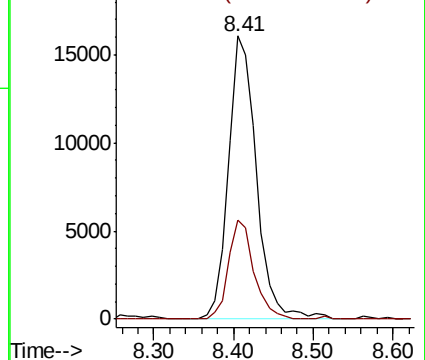
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 4.83 ug/l

RT: 7.78 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF059968.D

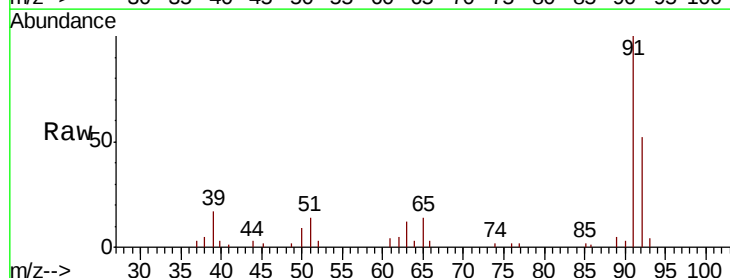
Acq: 16 Aug 2018 19:14

Tgt Ion: 92 Resp: 12067

Ion Ratio Lower Upper

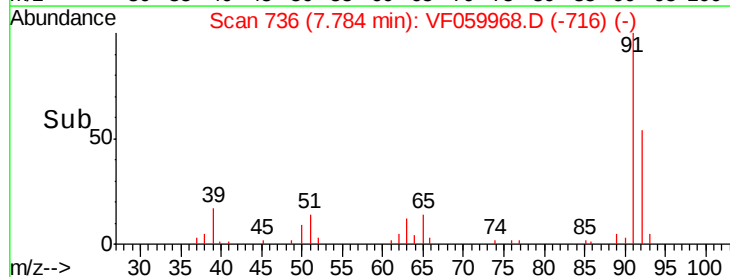
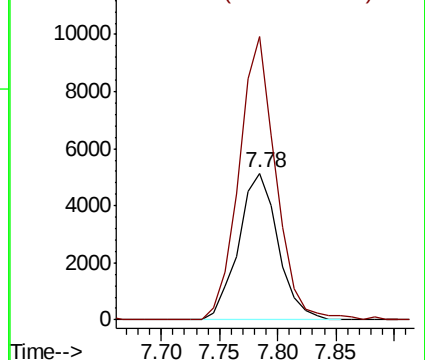
92 100

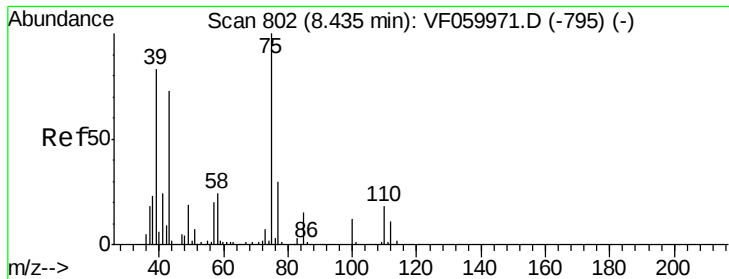
91 192.6 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0





#53

t-1,3-Dichloropropene

Concen: 5.12 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 11947

Ion Ratio Lower Upper

75 100

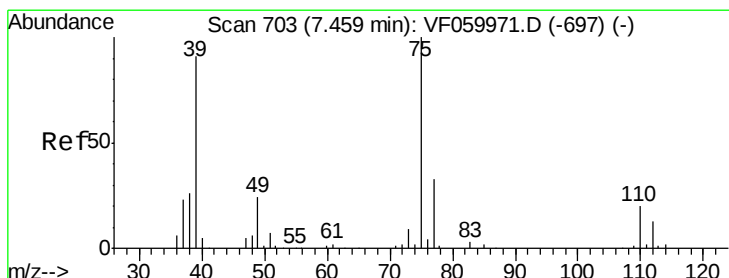
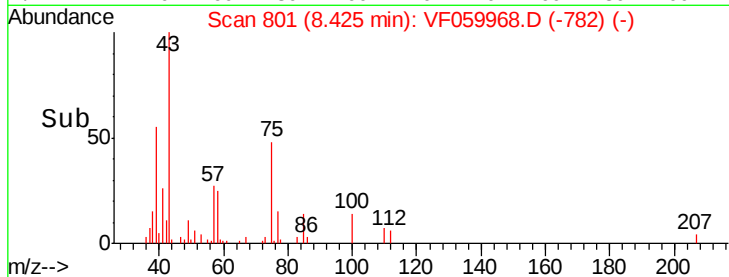
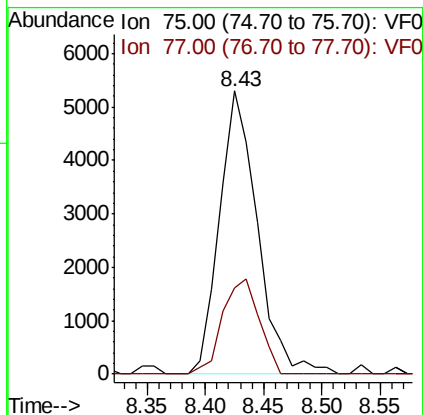
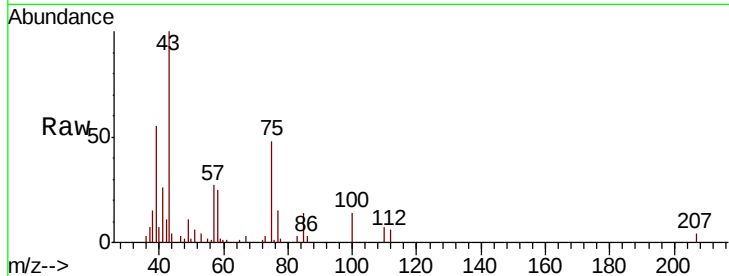
77 30.3 23.5 35.3

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#54

cis-1,3-Dichloropropene

Concen: 4.68 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

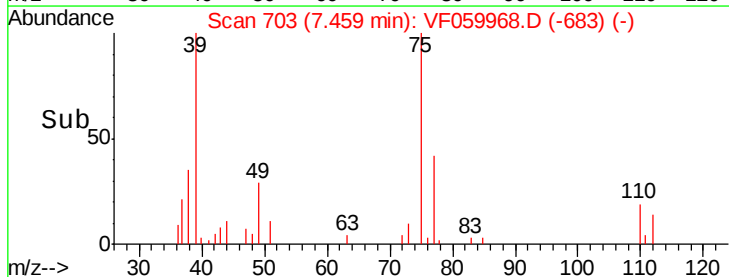
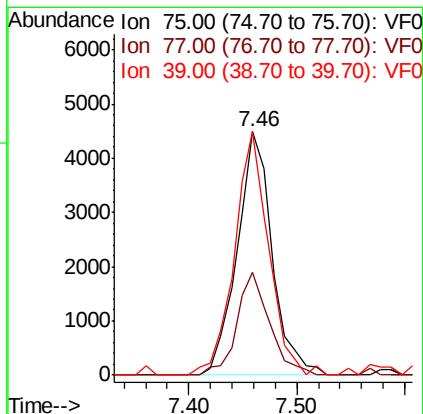
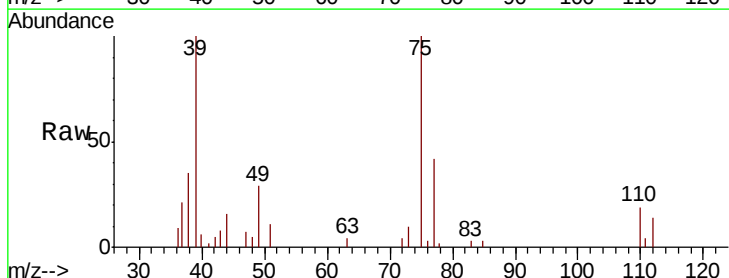
Tgt Ion: 75 Resp: 10081

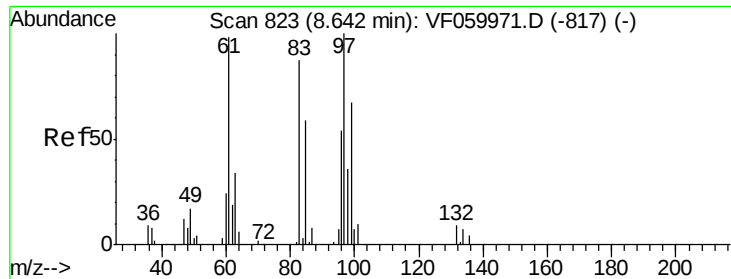
Ion Ratio Lower Upper

75 100

77 42.3 26.2 39.4#

39 100.1 73.2 109.8





#55

1,1,2-Trichloroethane

Concen: 4.66 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

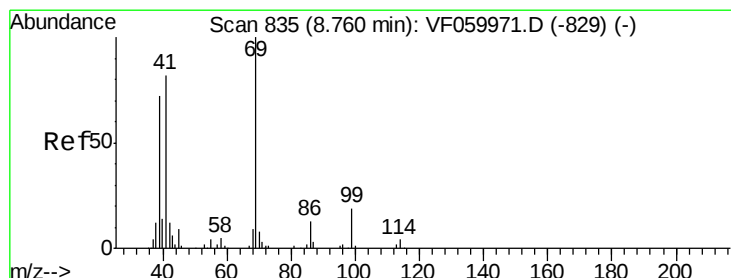
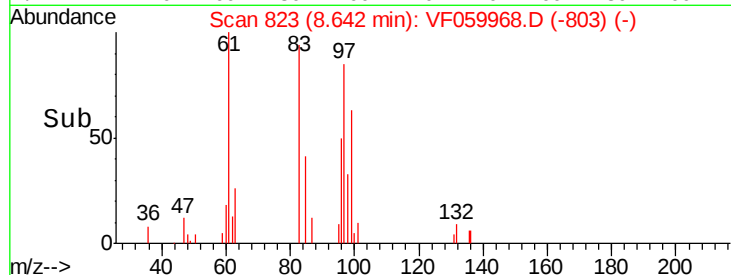
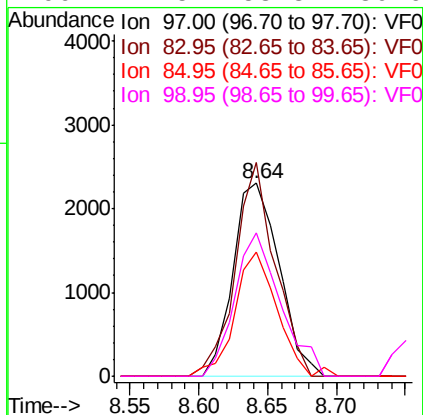
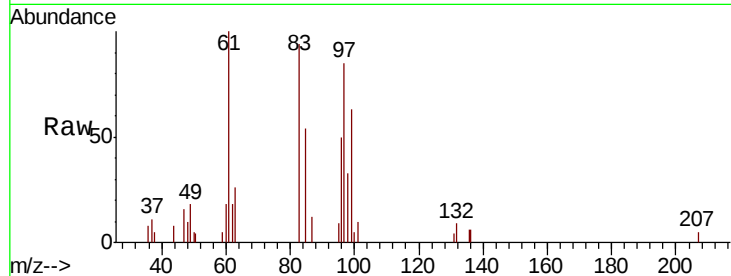
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	5372
Ion	Ratio	Lower	Upper
97	100		
83	110.6	69.7	104.5#
85	64.2	47.4	71.2
99	74.5	53.8	80.6

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#56

Ethyl methacrylate

Concen: 4.52 ug/l

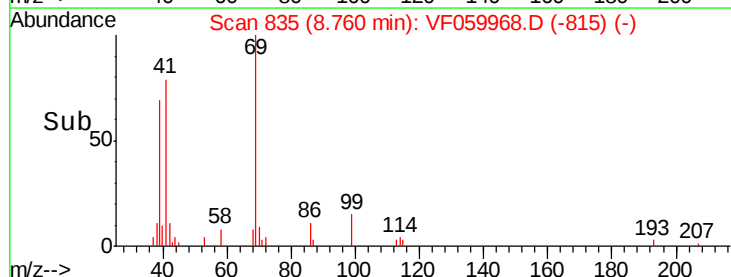
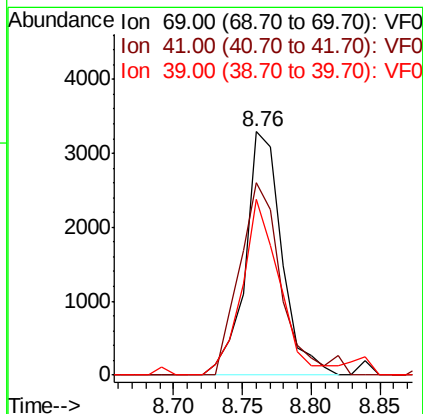
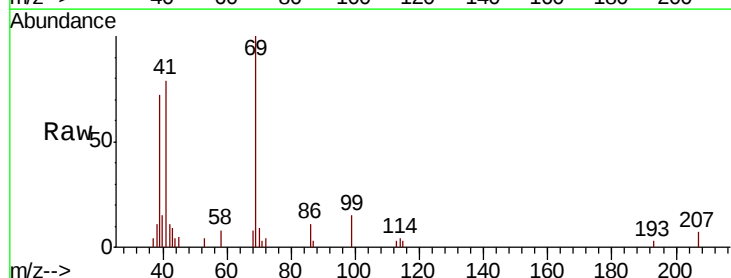
RT: 8.76 min Scan# 835

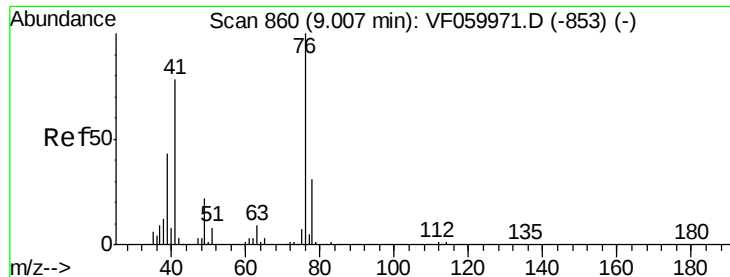
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	69	Resp:	6107
Ion	Ratio	Lower	Upper
69	100		
41	79.3	65.6	98.4
39	72.3	58.1	87.1





#57

1,3-Dichloropropane

Concen: 5.03 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 10310

Ion Ratio Lower Upper

76 100

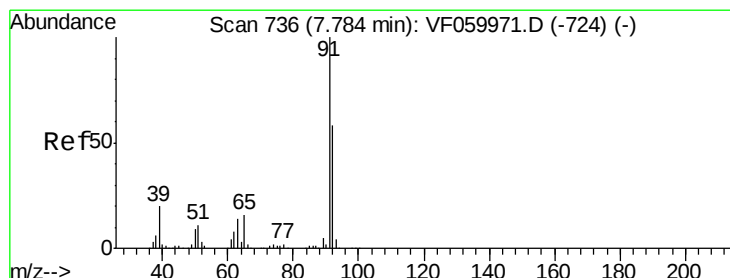
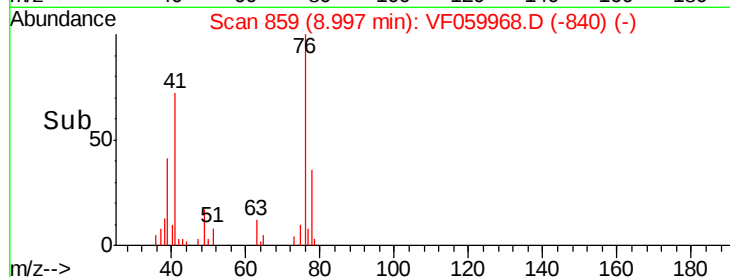
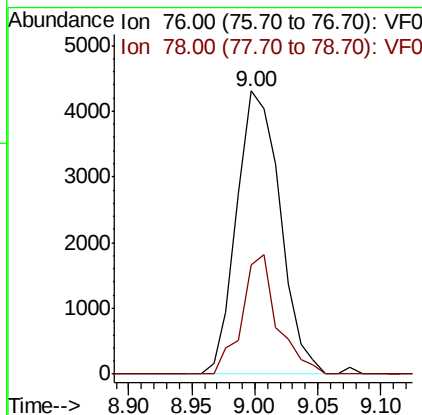
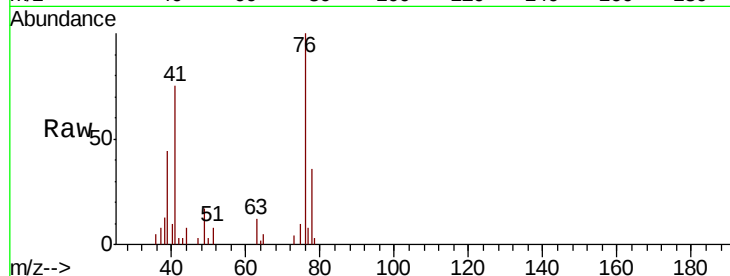
78 38.7 24.7 37.1#

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#58

2-Chloroethyl Vinyl ether

Concen: 24.26 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF059968.D

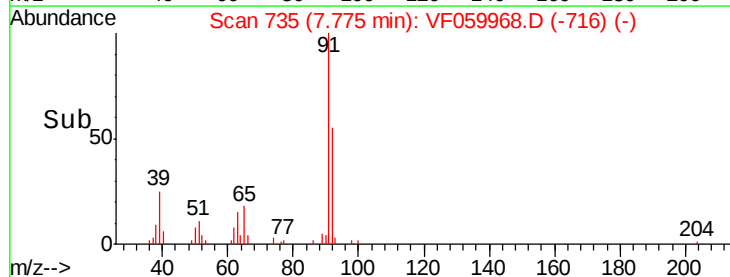
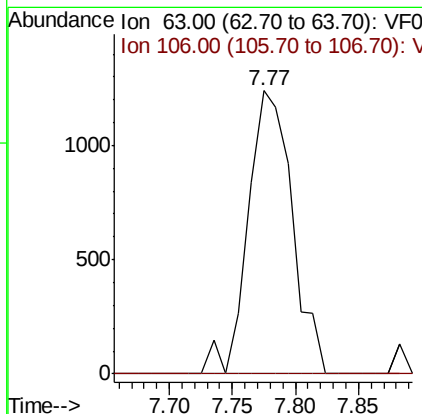
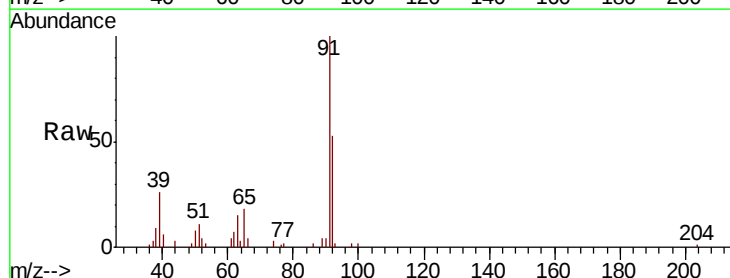
Acq: 16 Aug 2018 19:14

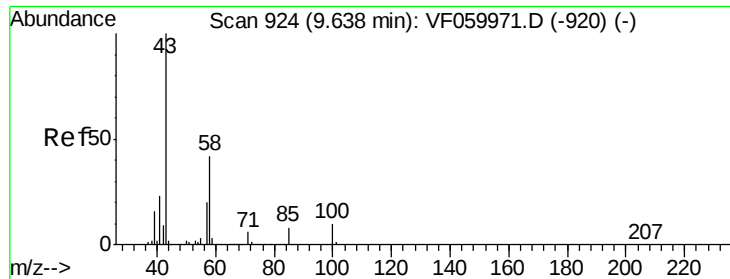
Tgt Ion: 63 Resp: 3027

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0





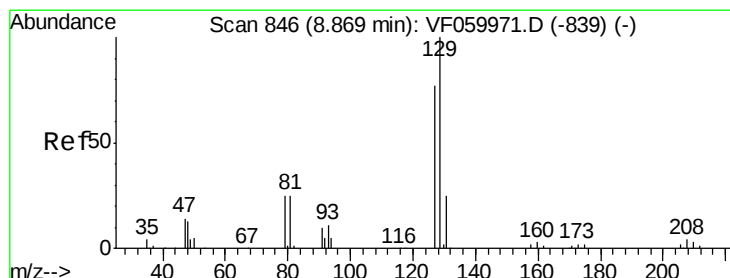
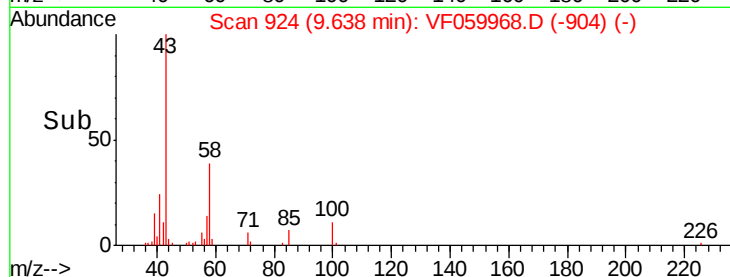
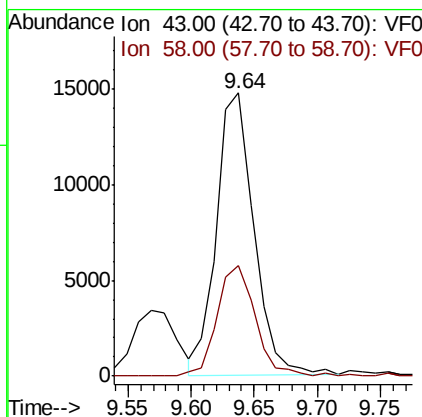
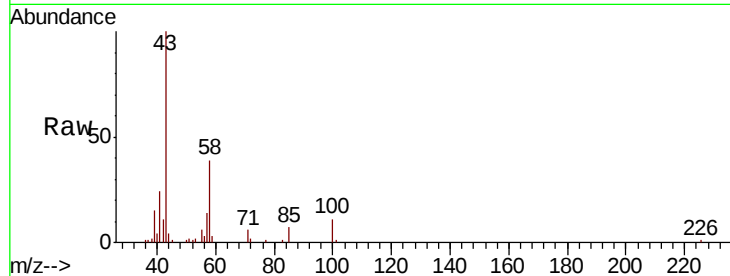
#59
2-Hexanone
Concen: 24.55 ug/l
RT: 9.64 min Scan# 924
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.2	19.8	59.3

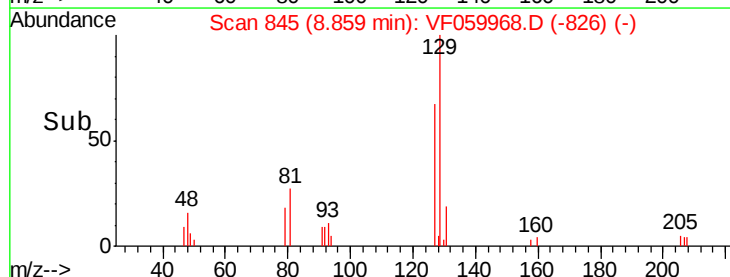
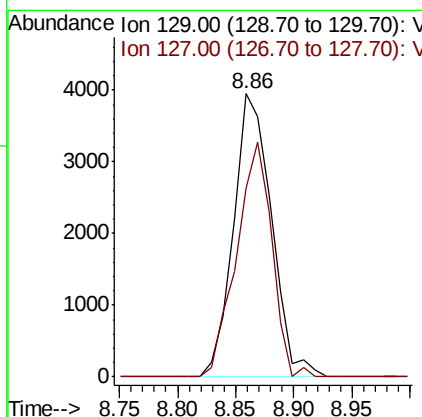
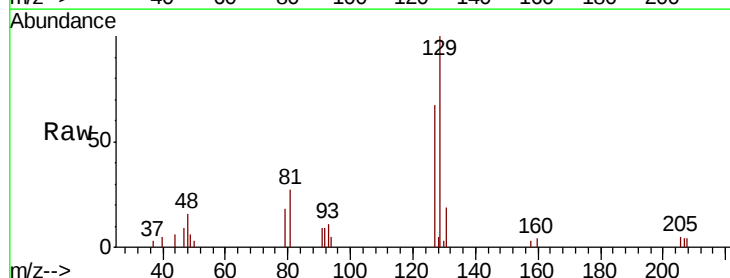
Manual Integrations
APPROVED

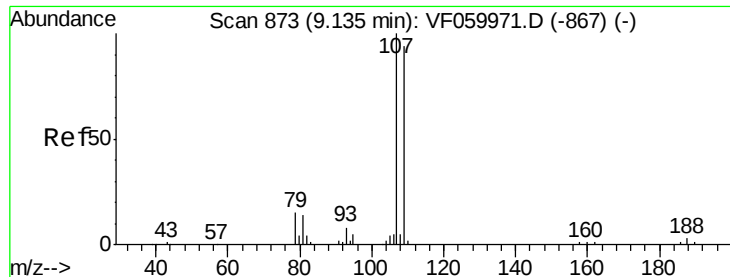
apatel
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#60
Dibromochloromethane
Concen: 4.41 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	66.5	38.4	115.2





#61

1,2-Dibromoethane

Concen: 4.90 ug/l

RT: 9.14 min Scan# 874

Delta R.T. 0.01 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7274

Ion Ratio Lower Upper

107 100

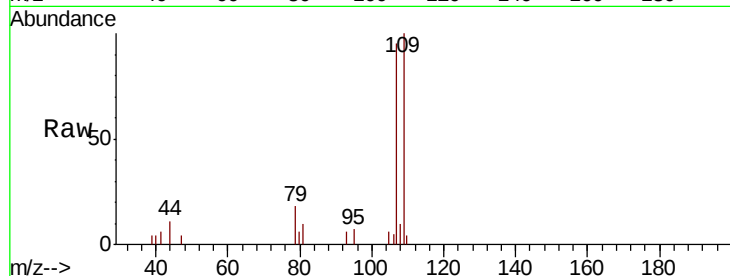
109 104.9 75.4 113.0

Manual Integrations

APPROVED

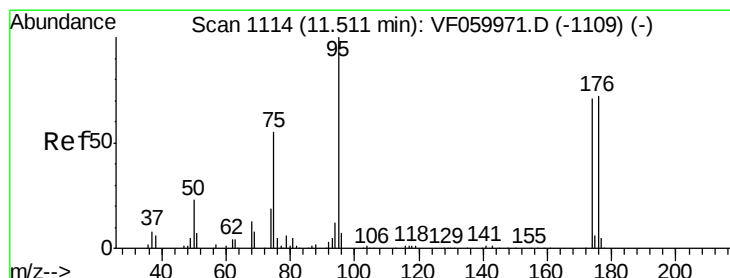
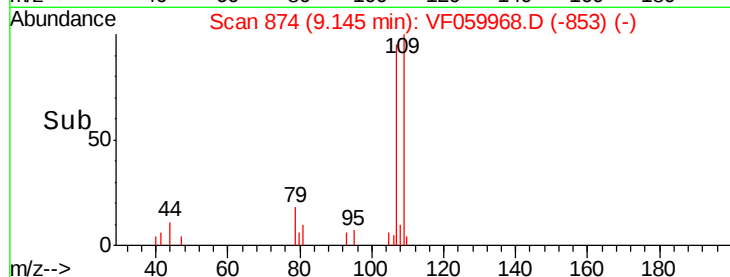
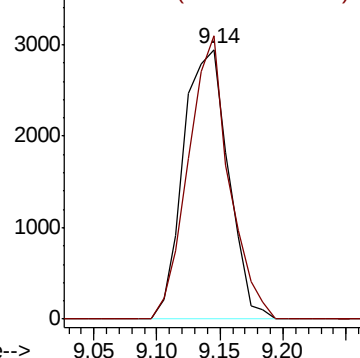
apatel

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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: 4.97 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

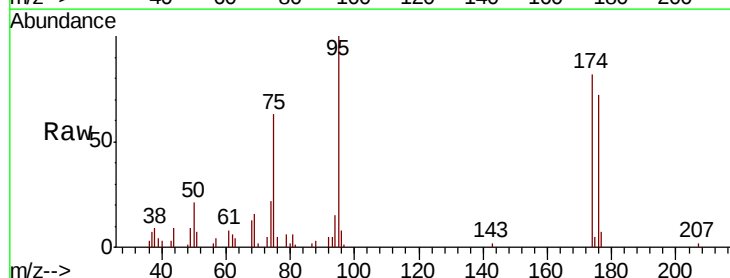
Tgt Ion: 95 Resp: 12664

Ion Ratio Lower Upper

95 100

174 82.3 0.0 142.8

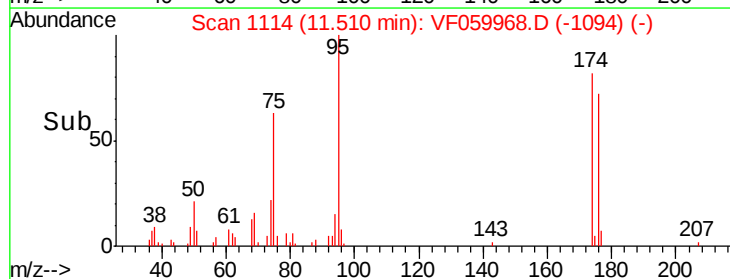
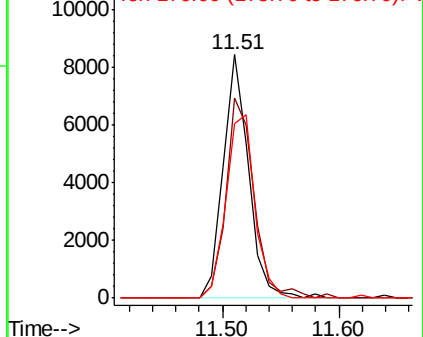
176 71.9 0.0 143.4

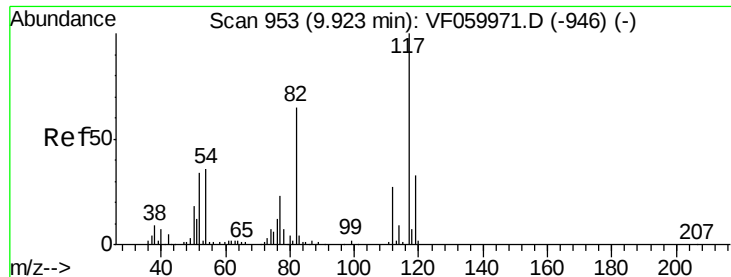


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V





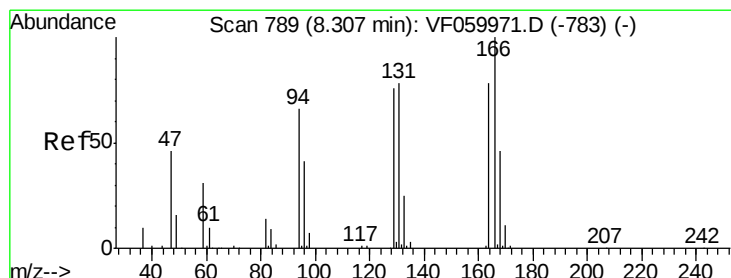
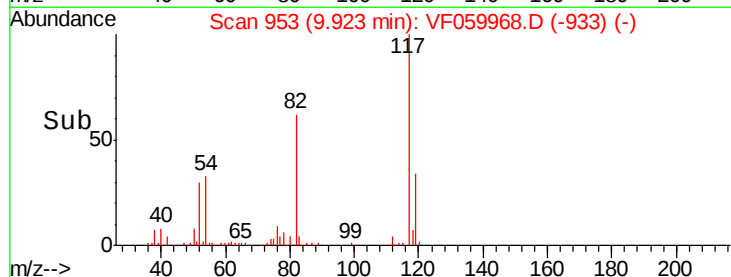
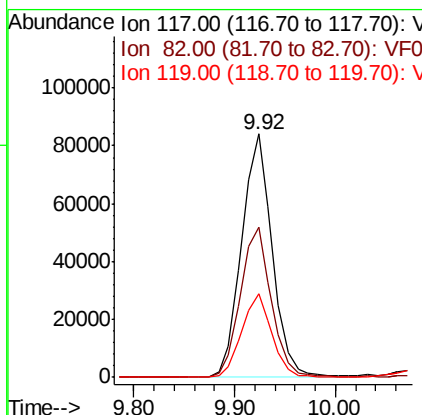
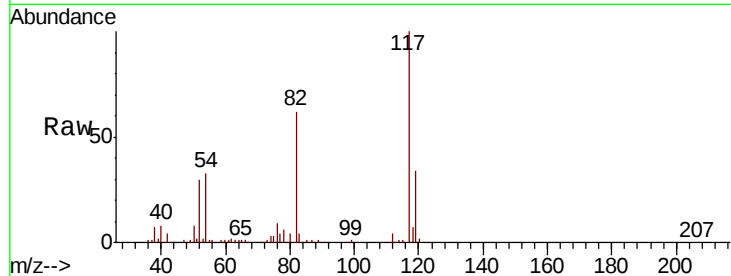
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.7	52.0	78.0
119	34.2	26.6	39.8

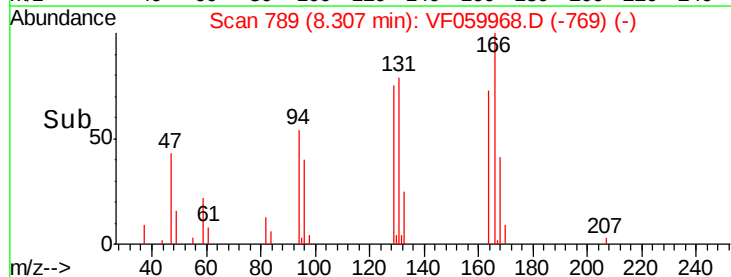
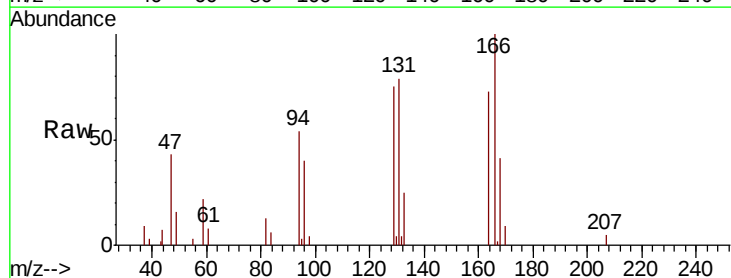
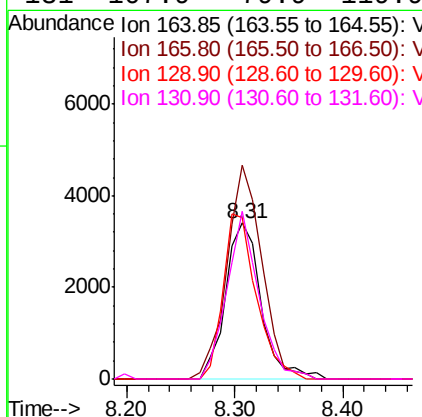
Manual Integrations
APPROVED

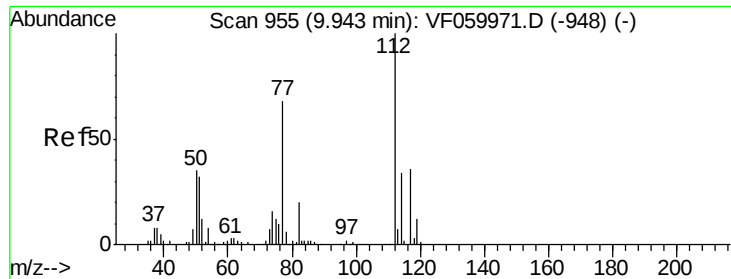
apatel
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#64
Tetrachloroethene
Concen: 5.48 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.0	102.2	153.2
129	103.3	77.8	116.6
131	107.9	79.9	119.9





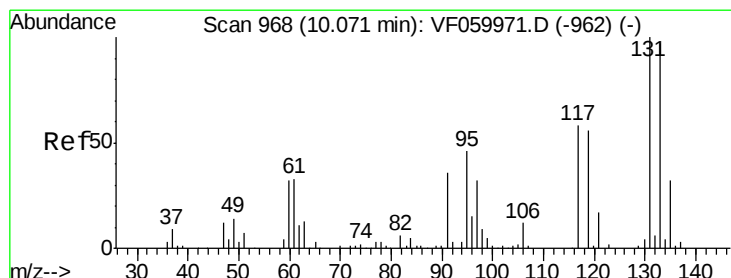
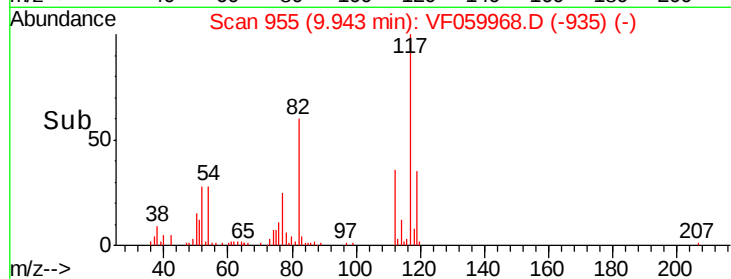
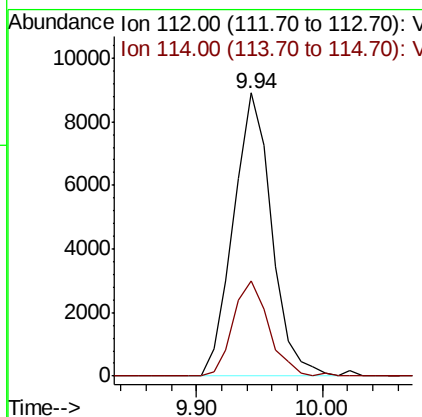
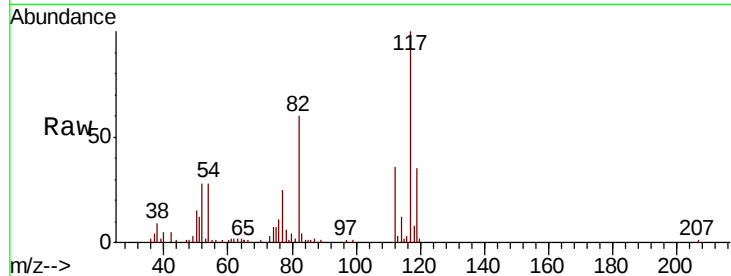
#65
Chlorobenzene
Concen: 5.37 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	27.0	40.4

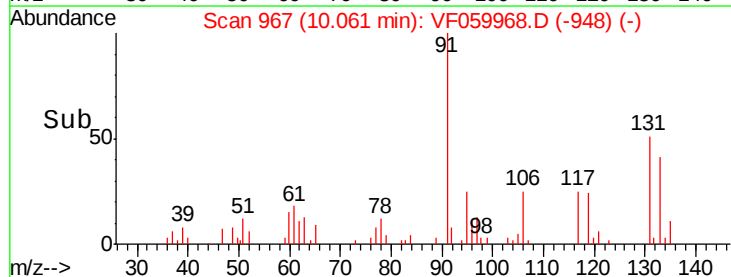
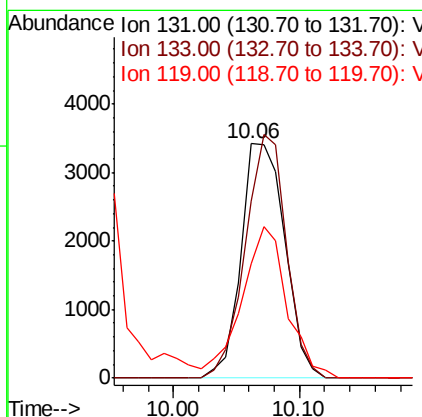
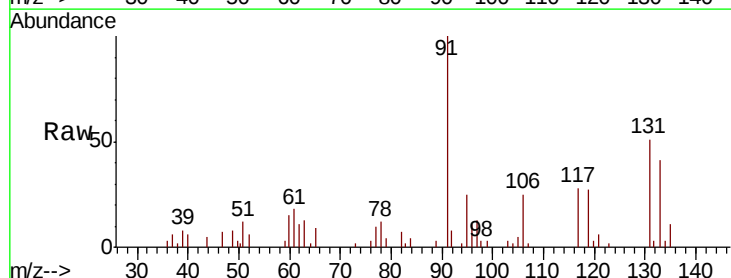
Manual Integrations
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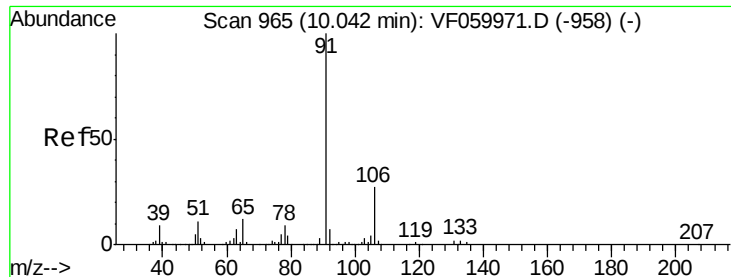
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.08 ug/l
RT: 10.06 min Scan# 967
Delta R.T. -0.01 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	75.6	48.5	145.6
119	48.8	28.4	85.2





#67

Ethyl Benzene

Concen: 4.94 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 30970

Ion Ratio Lower Upper

91 100

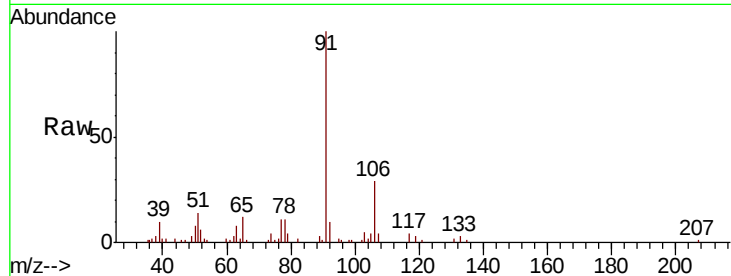
106 29.0 21.8 32.8

Manual Integrations

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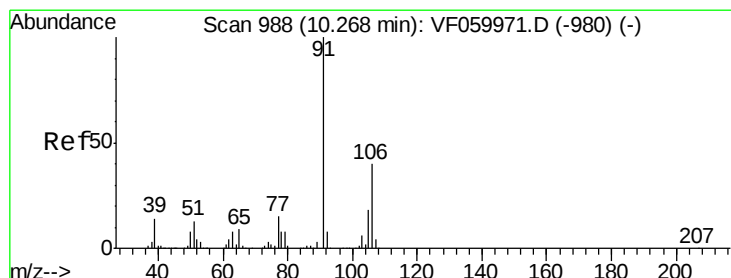
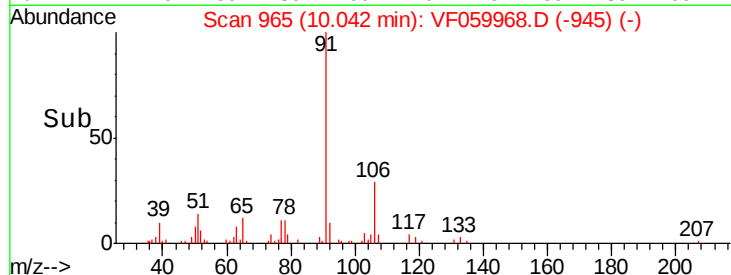
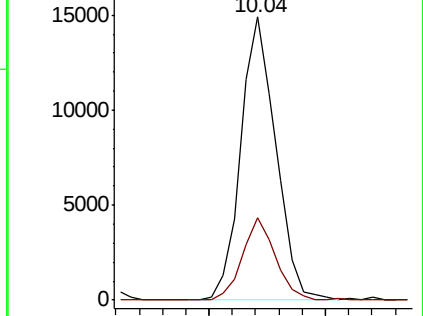
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.67 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF059968.D

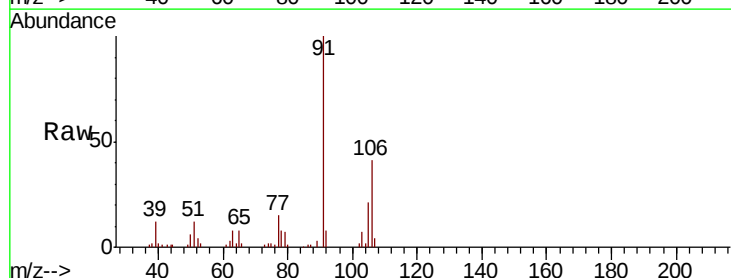
Acq: 16 Aug 2018 19:14

Tgt Ion: 106 Resp: 22676

Ion Ratio Lower Upper

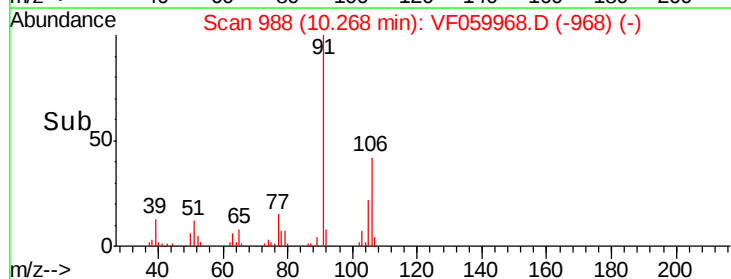
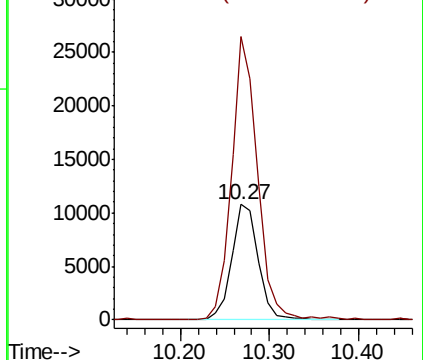
106 100

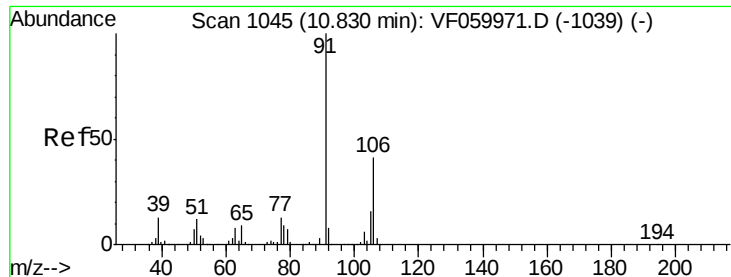
91 244.7 198.0 297.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0





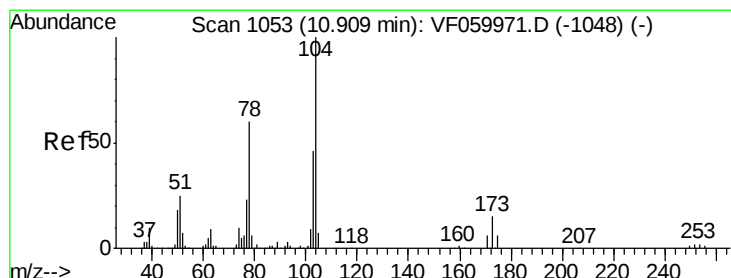
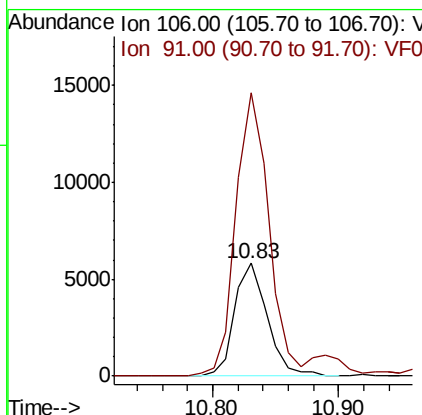
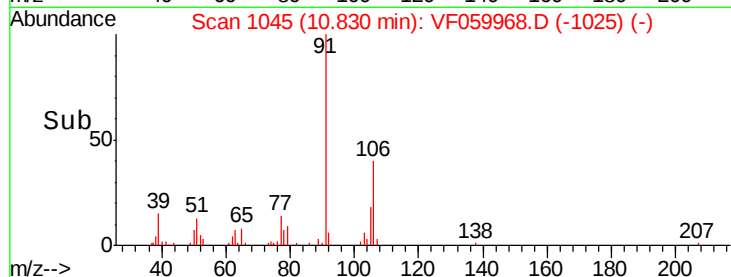
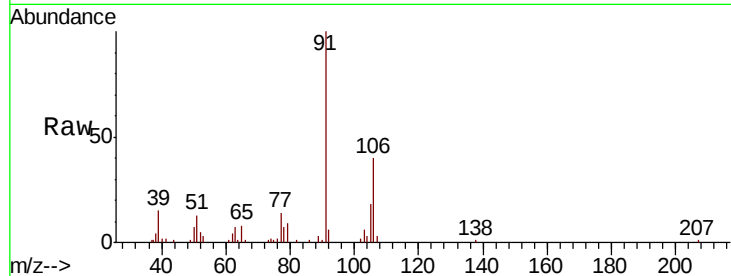
#69
o-Xylene
Concen: 4.62 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 10460
Ion Ratio Lower Upper
106 100
91 250.6 121.9 365.7

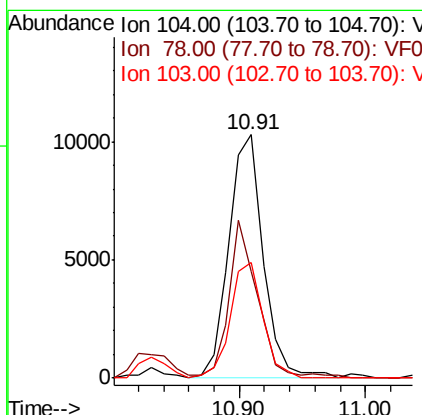
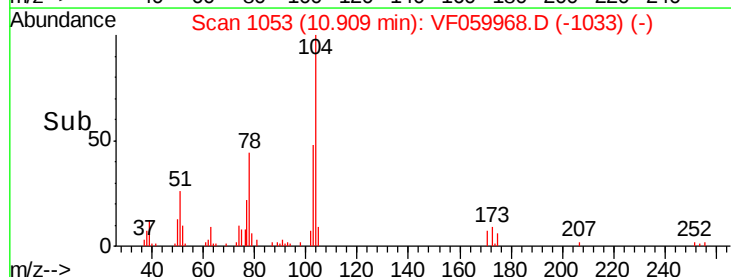
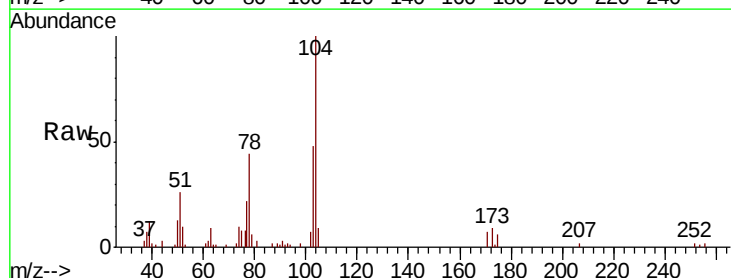
Manual Integrations
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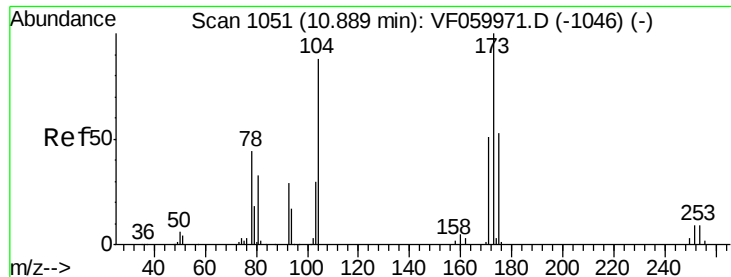
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#70
Styrene
Concen: 5.39 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion:104 Resp: 19424
Ion Ratio Lower Upper
104 100
78 43.8 49.0 73.4#
103 47.7 37.5 56.3





#71

Bromoform

Concen: 4.65 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

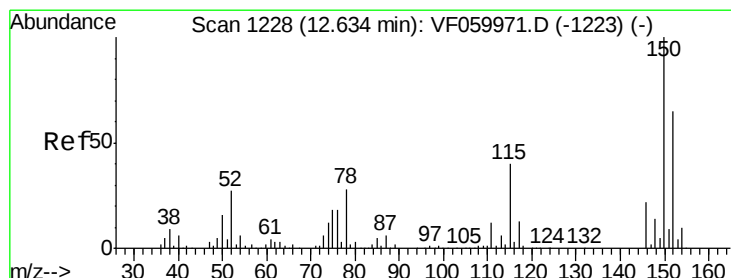
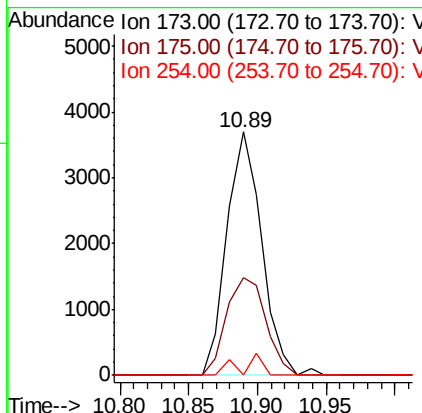
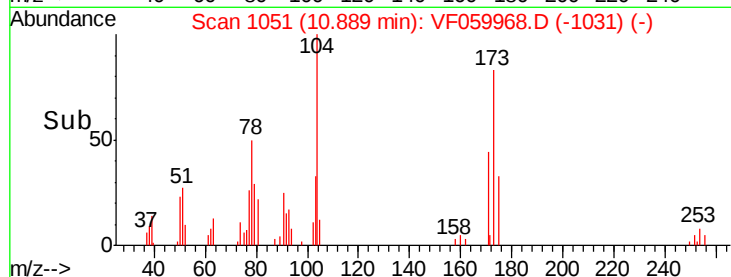
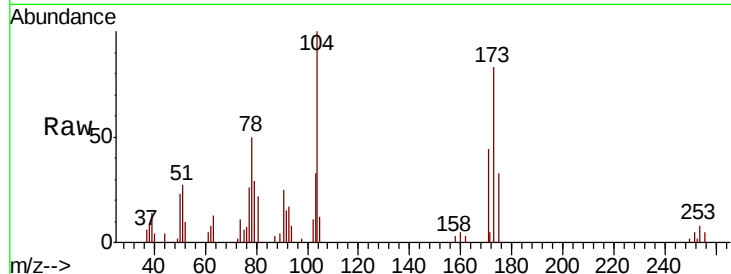
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	40.0	26.3	78.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

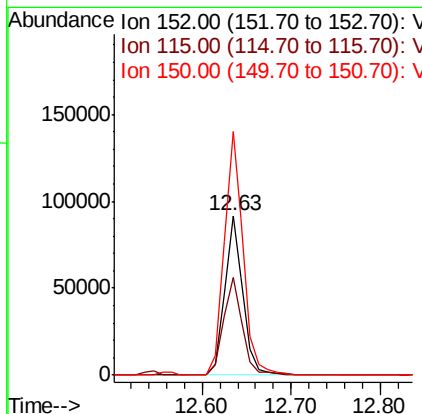
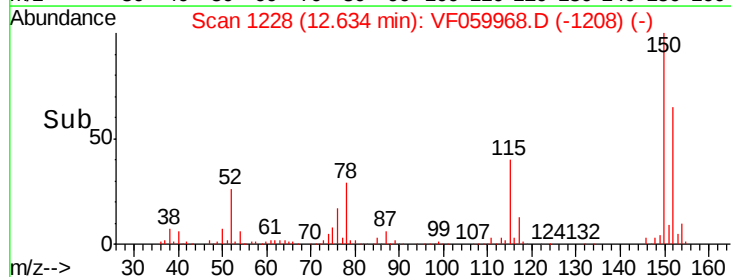
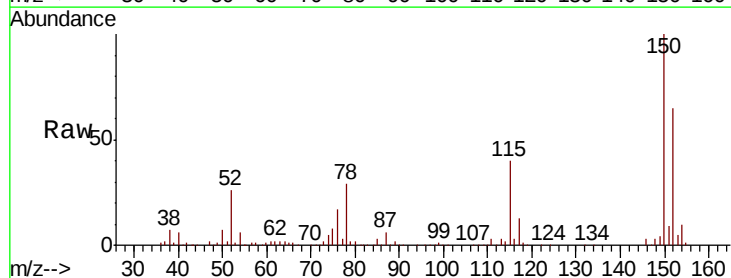
RT: 12.63 min Scan# 1228

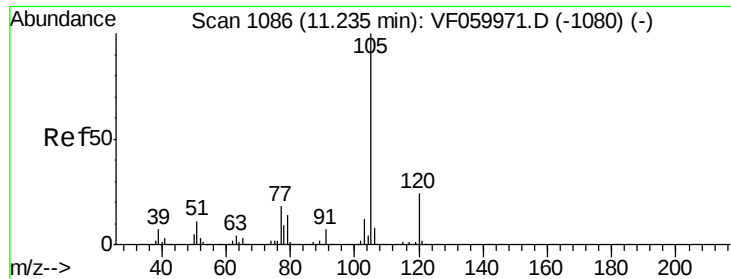
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.6	92.0
150	152.9	0.0	308.2





#73

Isopropylbenzene

Concen: 4.61 ug/l

RT: 11.23 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 35253

Ion Ratio Lower Upper

105 100

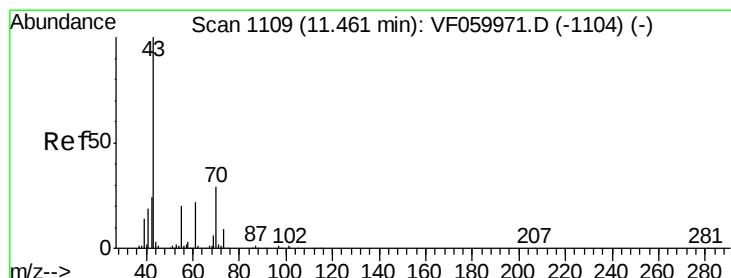
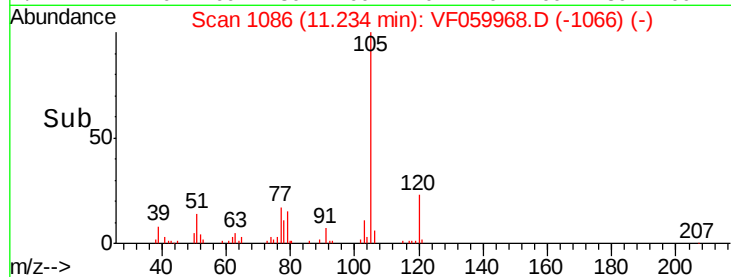
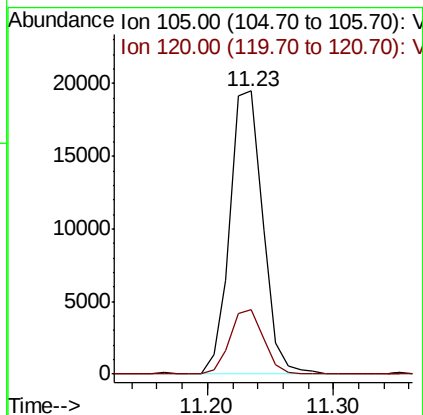
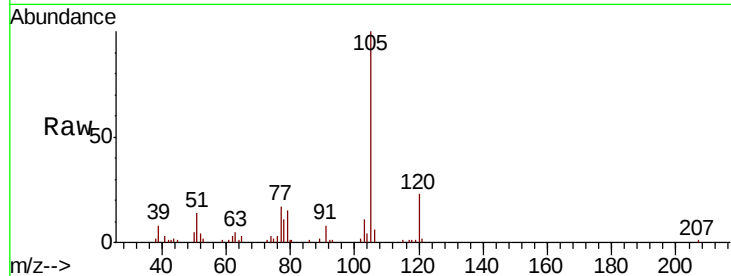
120 22.8 11.9 35.5

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#74

N-ethyl acetate

Concen: 3.78 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion: 43 Resp: 10179

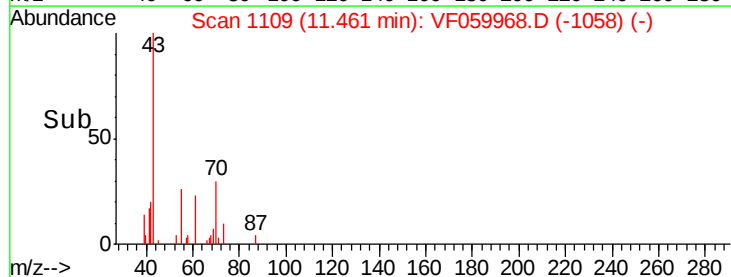
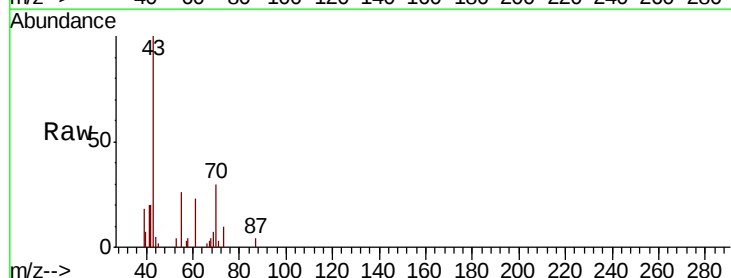
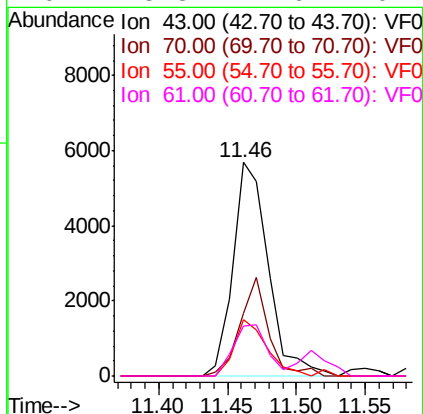
Ion Ratio Lower Upper

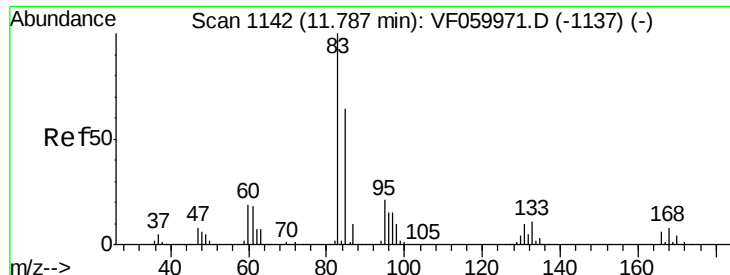
43 100

70 29.5 23.2 34.8

55 26.2 15.8 23.8#

61 23.3 17.6 26.4





#75

1,1,2,2-Tetrachloroethane

Concen: 5.26 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

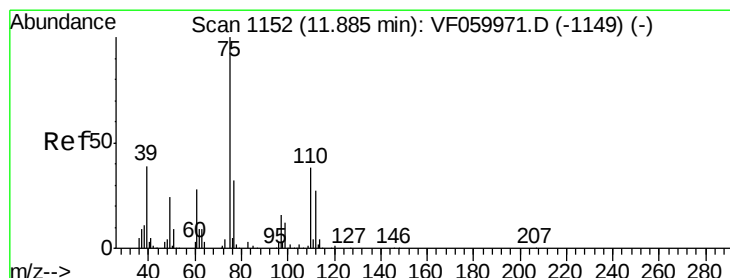
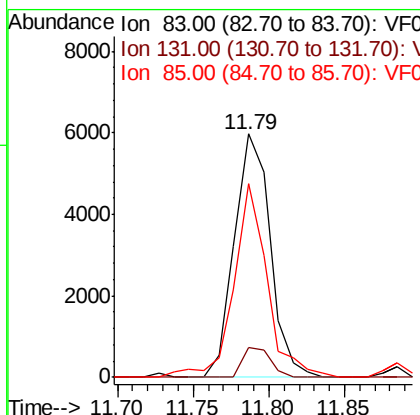
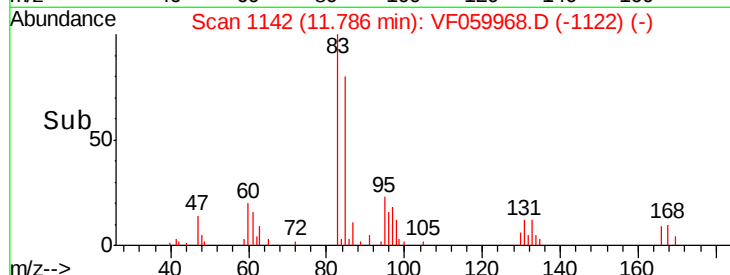
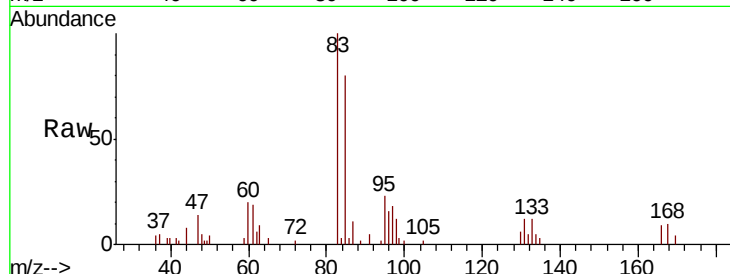
ClientSampleId :

VSTDIC005

Tot Ion	83	Resp	9840
Ion Ratio	100	Lower	Upper
83	100		
131	16.7	5.1	15.4#
85	79.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.59 ug/l

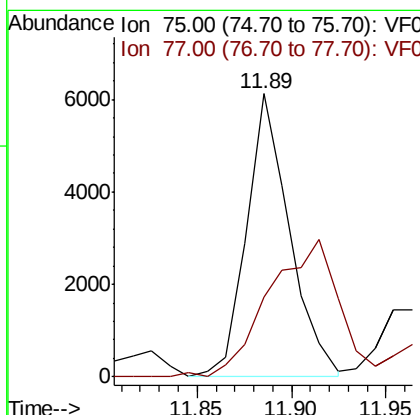
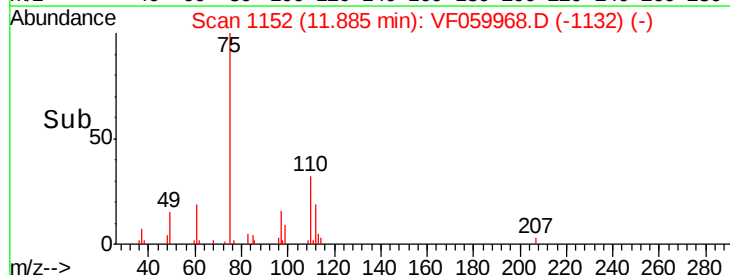
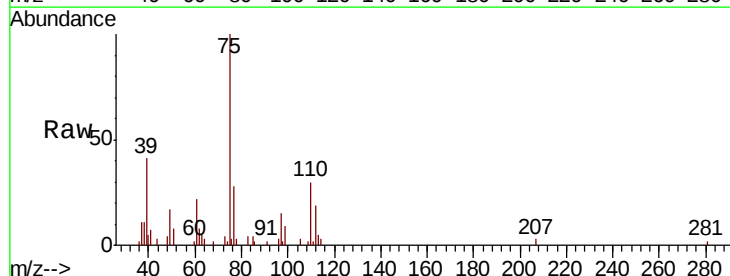
RT: 11.89 min Scan# 1152

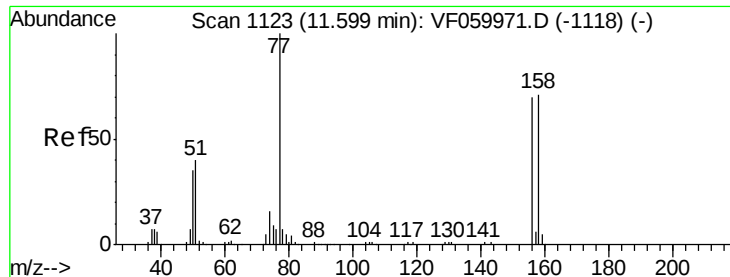
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion	75	Resp	9627
Ion Ratio	100	Lower	Upper
75	100		
77	28.1	16.2	48.5





#77

Bromobenzene

Concen: 5.06 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 11179

Ion Ratio Lower Upper

156 100

77 136.0 71.9 215.6

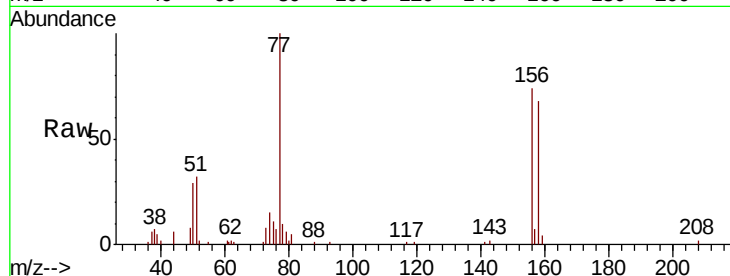
158 92.8 51.2 153.6

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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

12000

10000

8000

6000

4000

2000

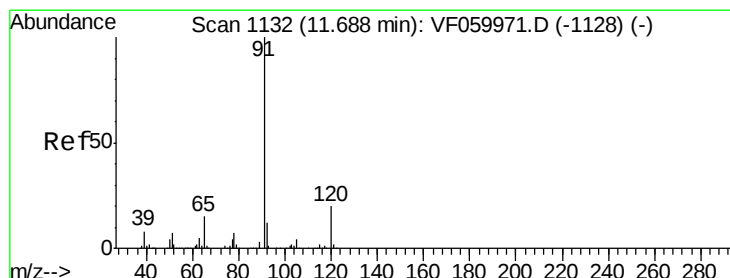
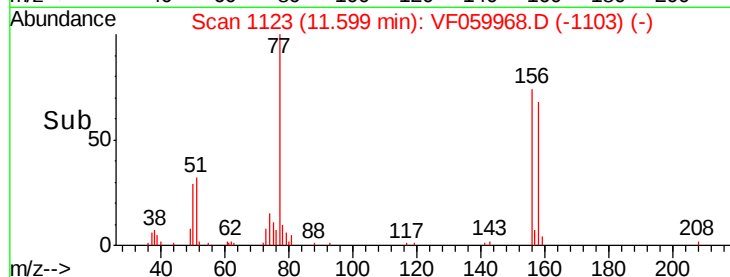
0

11.50

11.60

11.70

Time-->



#78

n-propylbenzene

Concen: 5.05 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059968.D

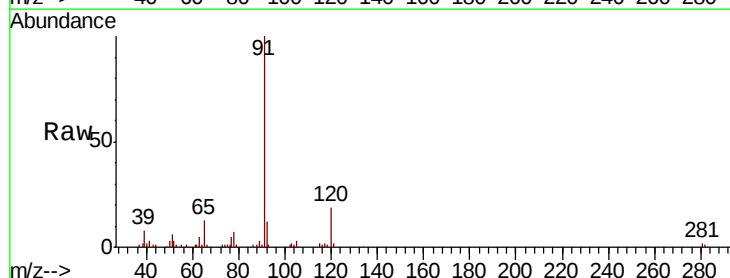
Acq: 16 Aug 2018 19:14

Tgt Ion: 91 Resp: 47178

Ion Ratio Lower Upper

91 100

120 18.9 10.2 30.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

30000

20000

10000

0

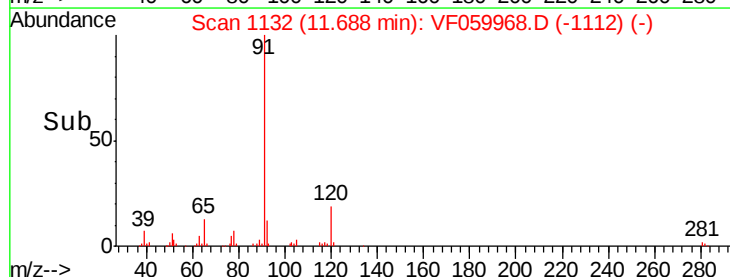
11.60

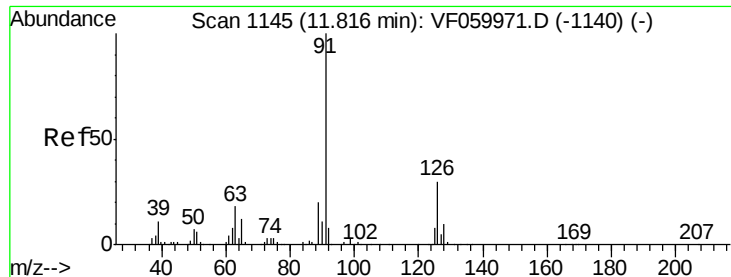
11.65

11.70

11.75

Time-->





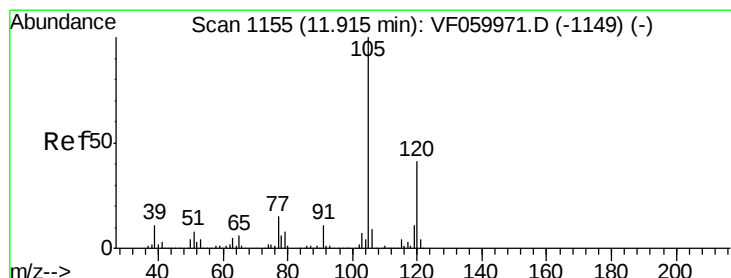
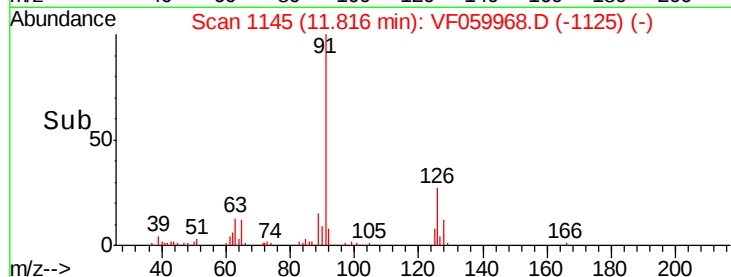
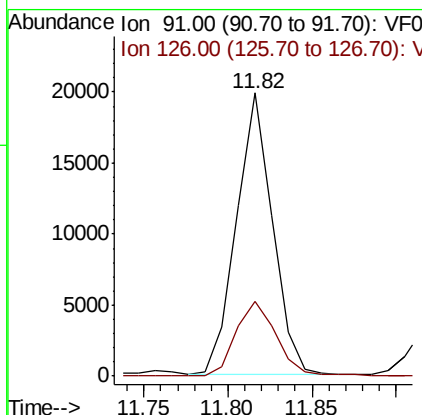
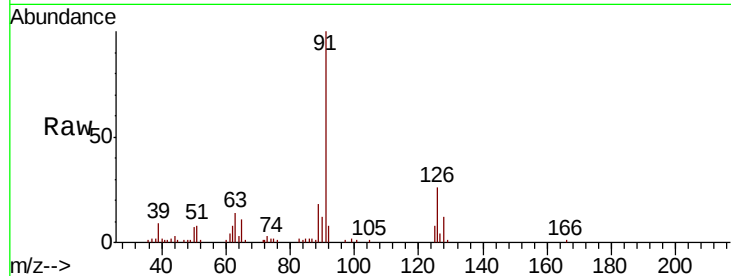
#79
 2-Chlorotoluene
 Concen: 5.11 ug/l
 RT: 11.82 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	26.3	14.9	44.9

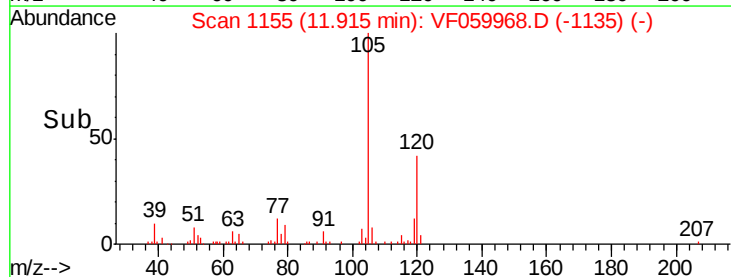
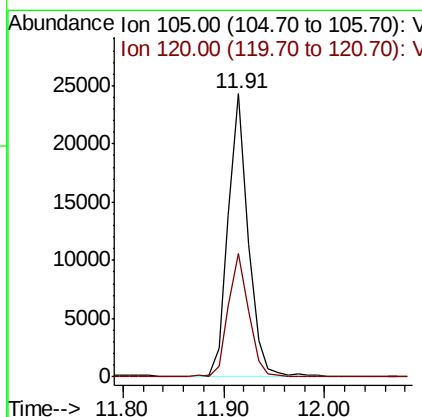
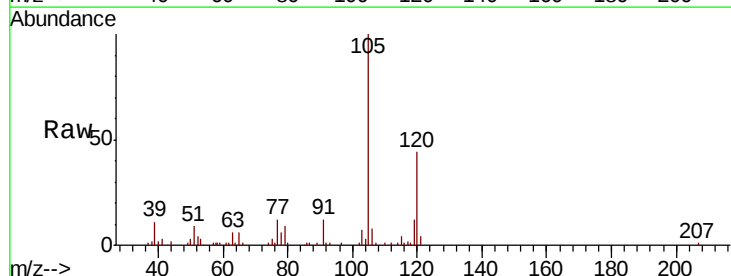
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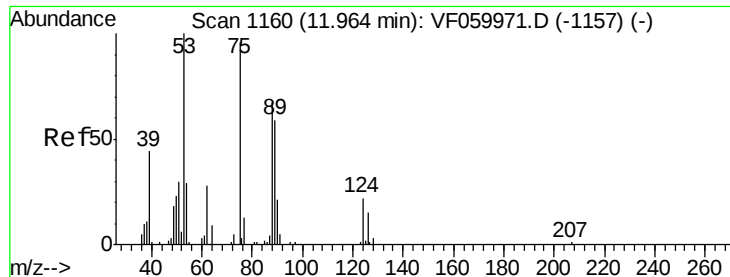
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#80
 1,3,5-Trimethylbenzene
 Concen: 4.79 ug/l
 RT: 11.91 min Scan# 1155
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	20.6	61.8





#81

trans-1,4-Dichloro-2-butene

Concen: 4.54 ug/l m

RT: 11.96 min Scan# 1160

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 3129

Ion Ratio Lower Upper

75 100

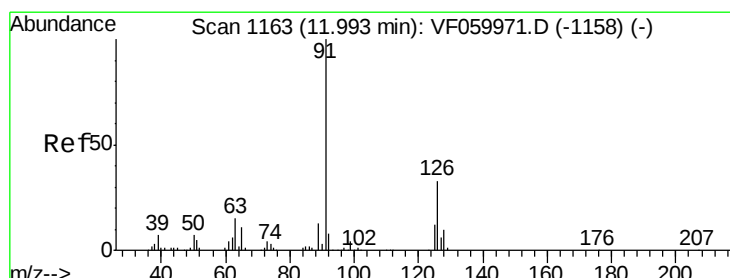
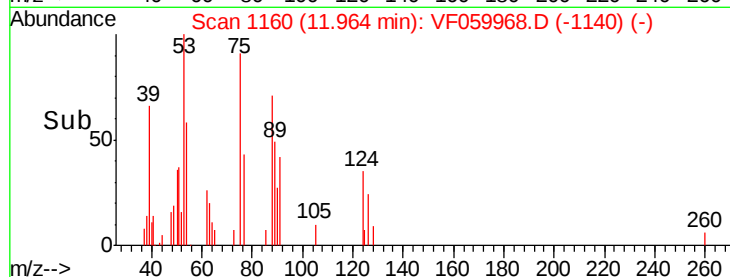
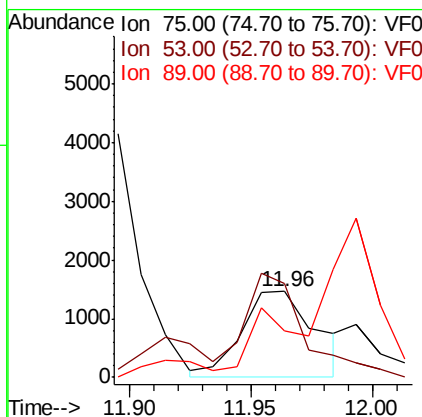
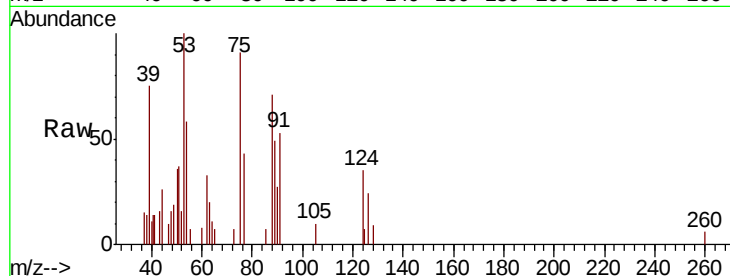
53 109.9 85.1 127.7

89 54.1 50.2 75.4

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#82

4-Chlorotoluene

Concen: 4.95 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF059968.D

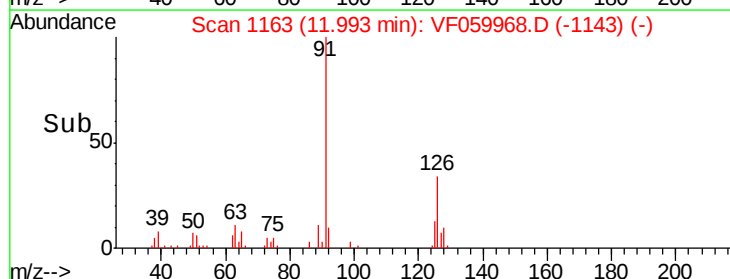
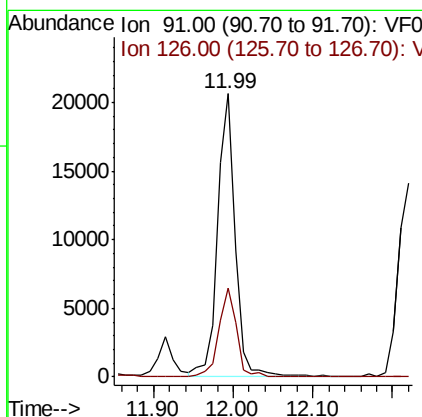
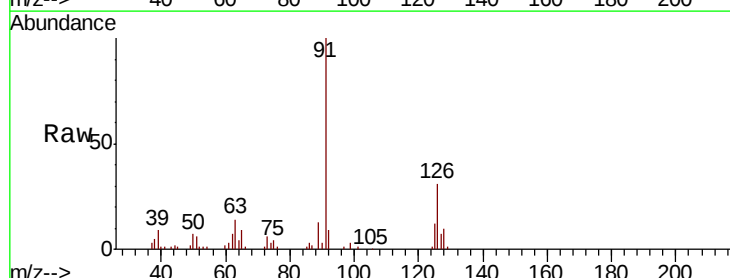
Acq: 16 Aug 2018 19:14

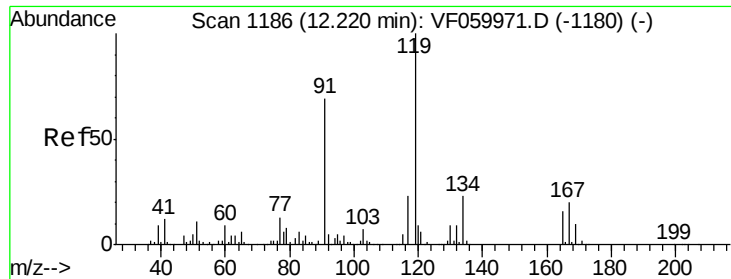
Tgt Ion: 91 Resp: 32419

Ion Ratio Lower Upper

91 100

126 31.2 16.4 49.2





#83

tert-Butylbenzene

Concen: 4.69 ug/l

RT: 12.22 min Scan# 1186

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

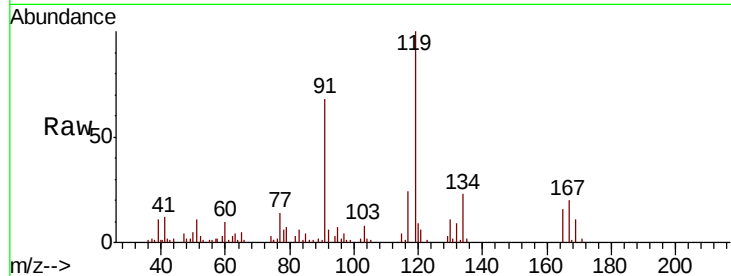
ClientSampled :

VSTDIC005

Tot Ion:	119	Resp:	32006
Ion Ratio	Lower	Upper	
119	100		
91	68.0	34.8	104.3
134	23.0	11.5	34.4

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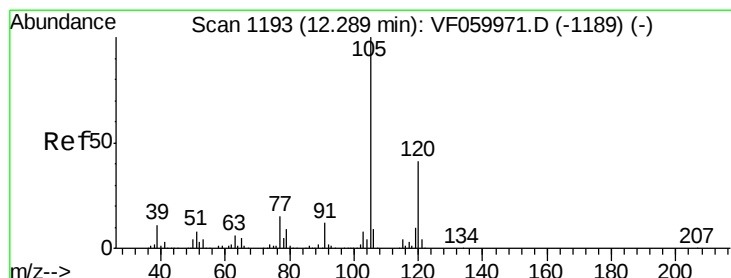
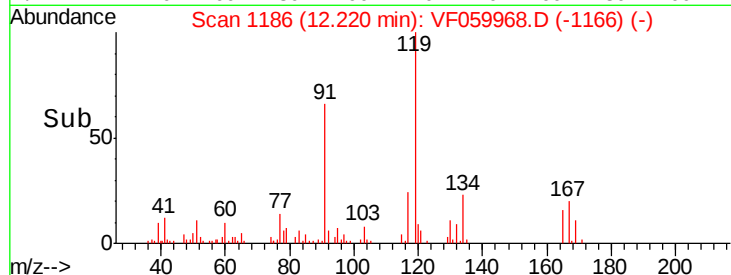
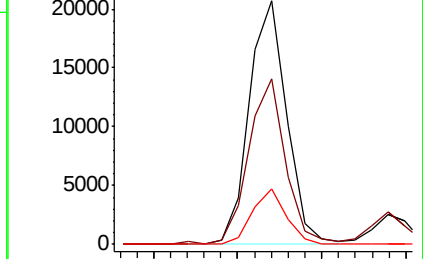
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 4.58 ug/l

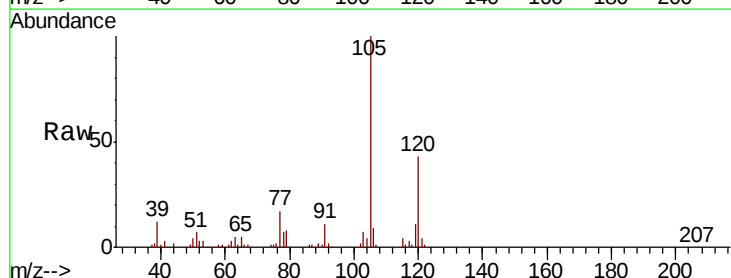
RT: 12.29 min Scan# 1193

Delta R.T. -0.00 min

Lab File: VF059968.D

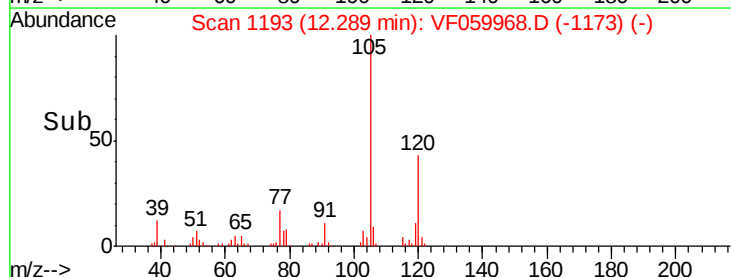
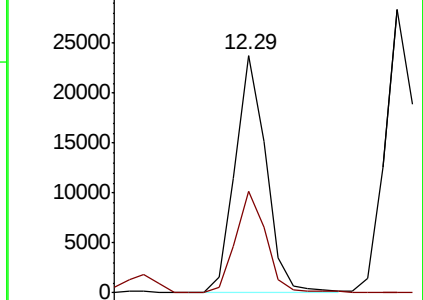
Acq: 16 Aug 2018 19:14

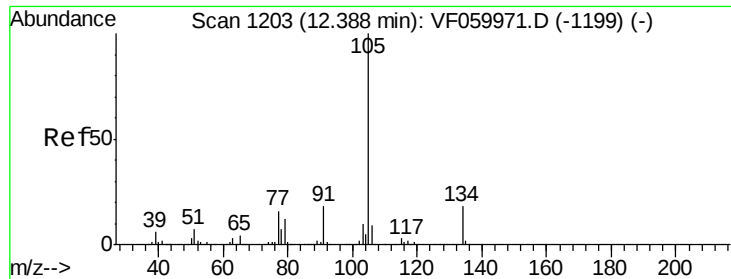
Tgt Ion:	105	Resp:	33853
Ion Ratio	Lower	Upper	
105	100		
120	42.6	20.6	61.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 4.66 ug/l

RT: 12.39 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 41017

Ion Ratio Lower Upper

105 100

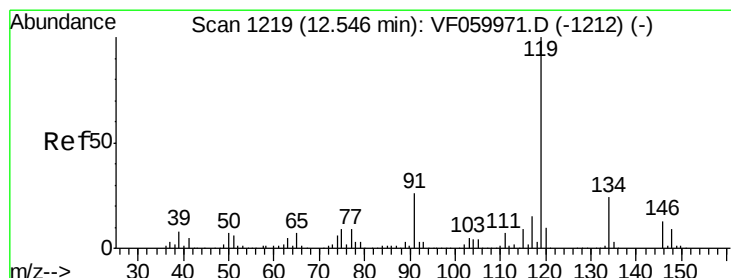
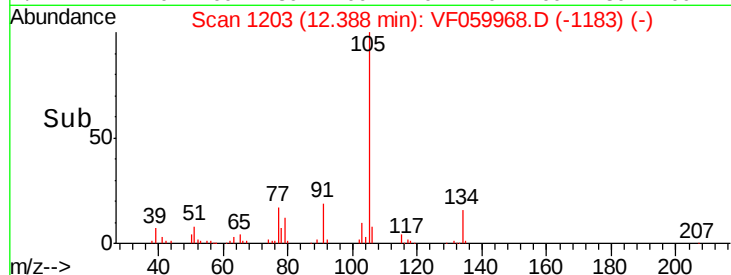
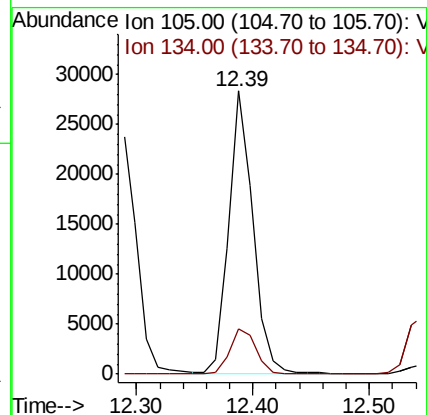
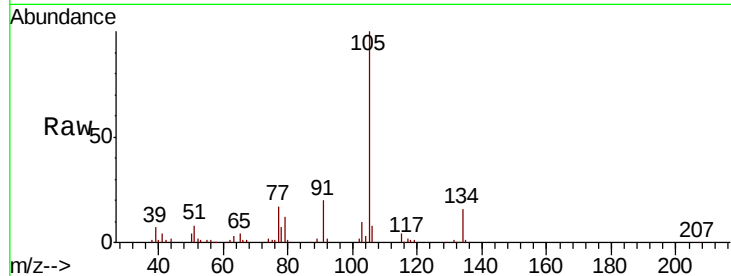
134 15.9 8.9 26.7

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#86

p-Isopropyltoluene

Concen: 4.77 ug/l

RT: 12.55 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

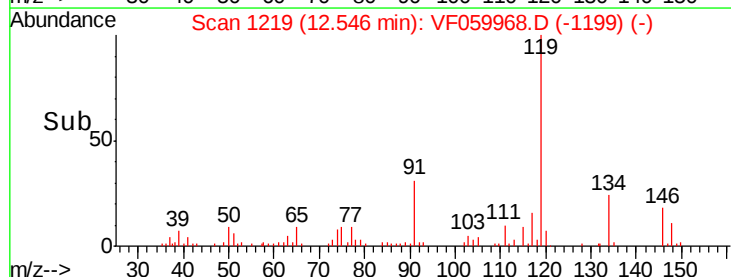
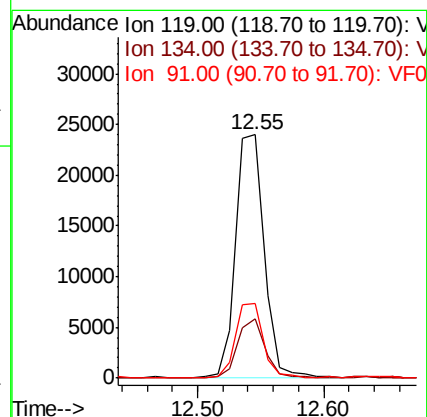
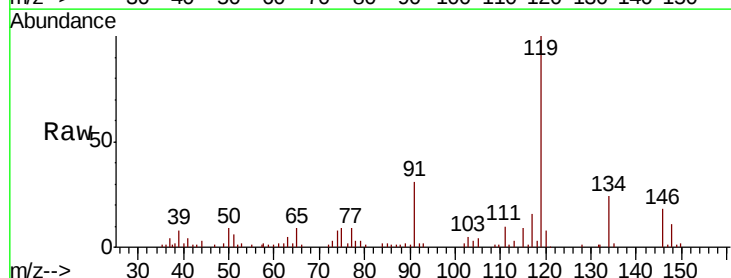
Tgt Ion:119 Resp: 37382

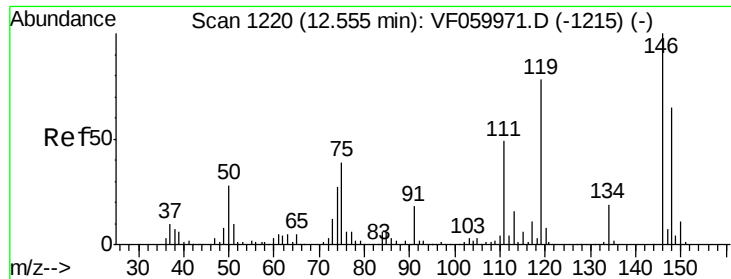
Ion Ratio Lower Upper

119 100

134 24.2 12.0 36.1

91 30.7 13.1 39.1





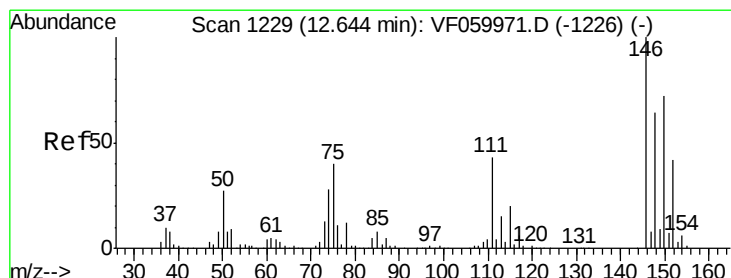
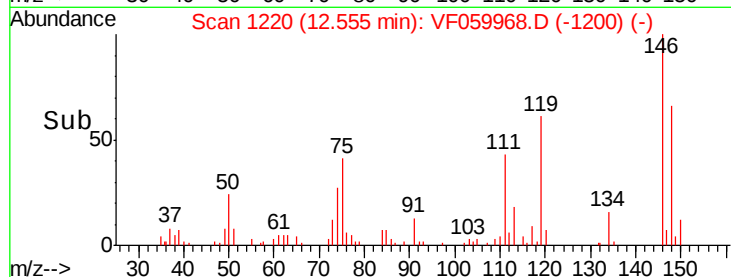
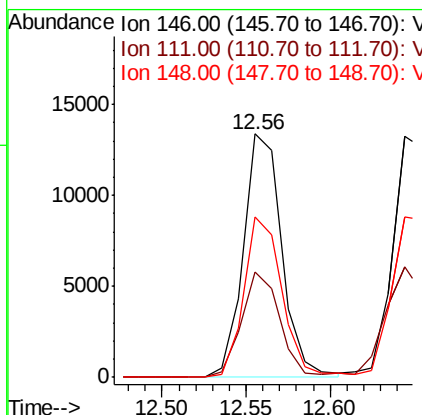
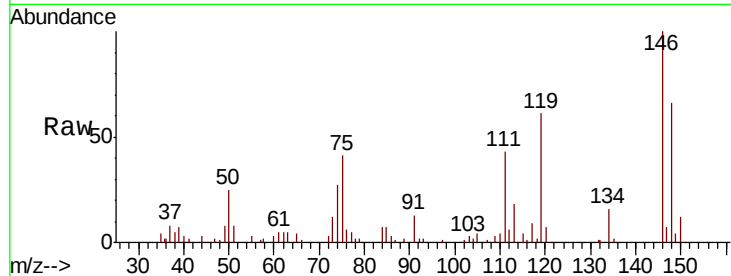
#87
 1,3-Dichlorobenzene
 Concen: 5.13 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	24.4	73.2
148	65.7	32.3	96.8

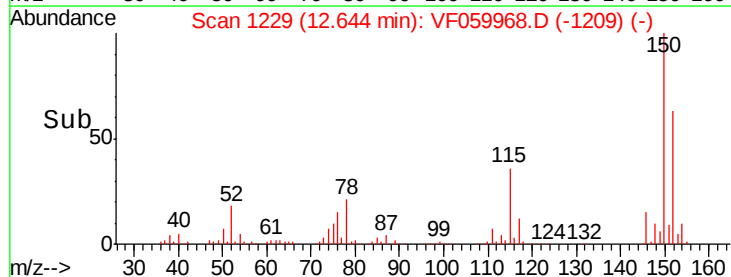
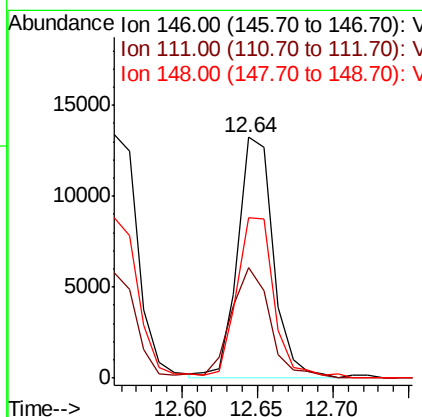
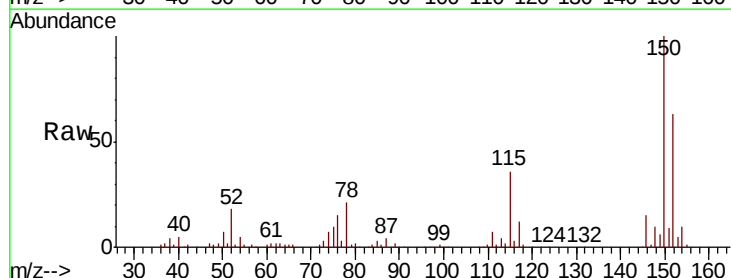
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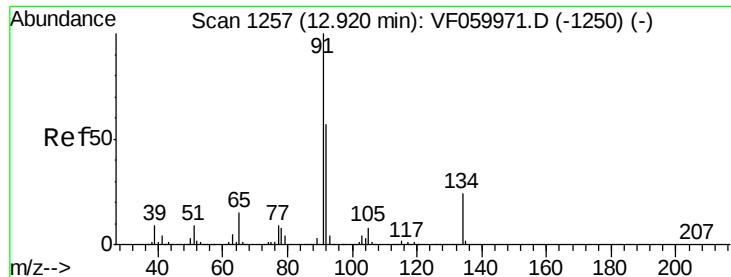
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#88
 1,4-Dichlorobenzene
 Concen: 5.20 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.9	21.4	64.2
148	66.5	31.9	95.7





#89

n-Butylbenzene

Concen: 4.67 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Instrument :

MSVOA_F

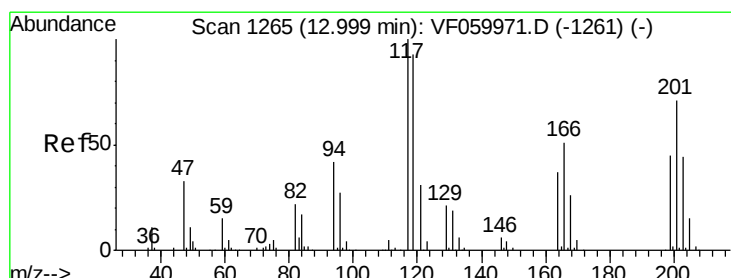
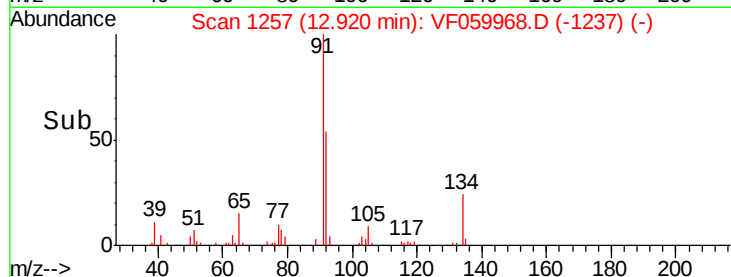
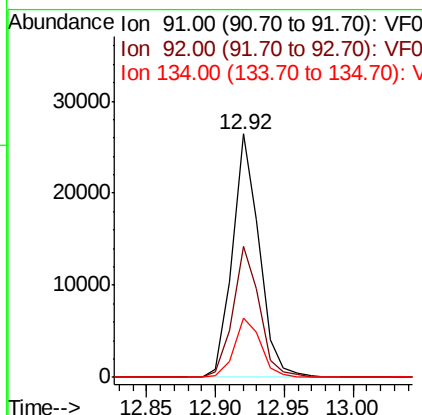
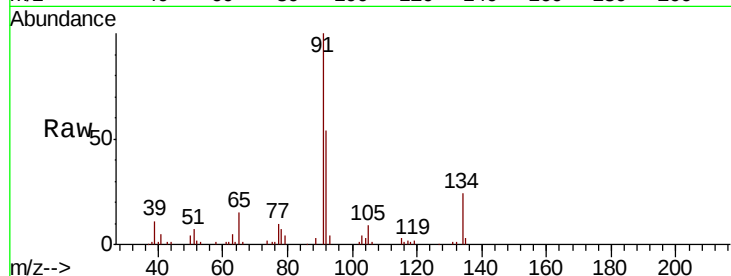
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	35700
Ion Ratio	Lower	Upper	
91	100		
92	53.7	28.3	85.0
134	24.3	11.9	35.7

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#90

Hexachloroethane

Concen: 4.40 ug/l

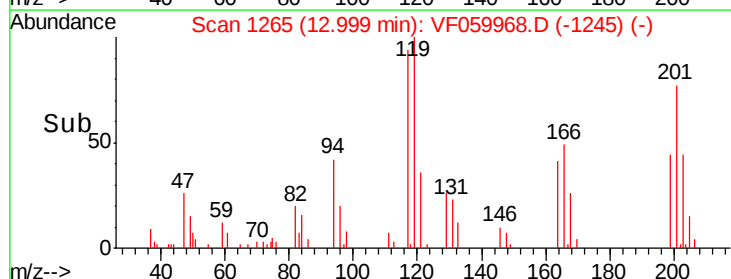
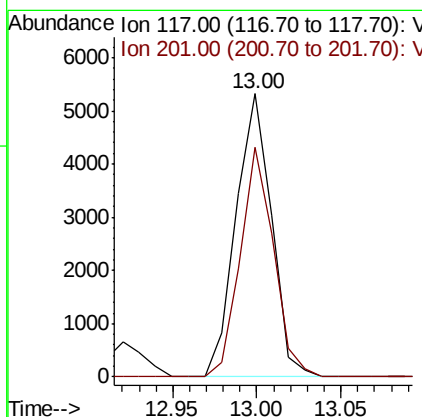
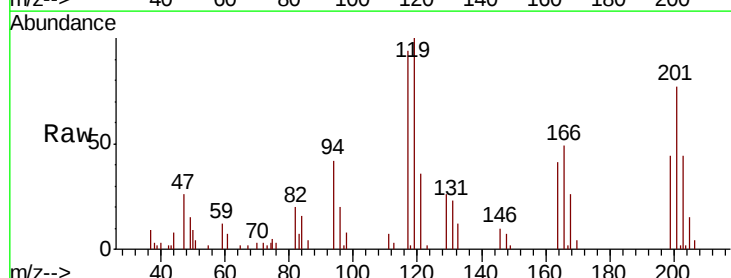
RT: 13.00 min Scan# 1265

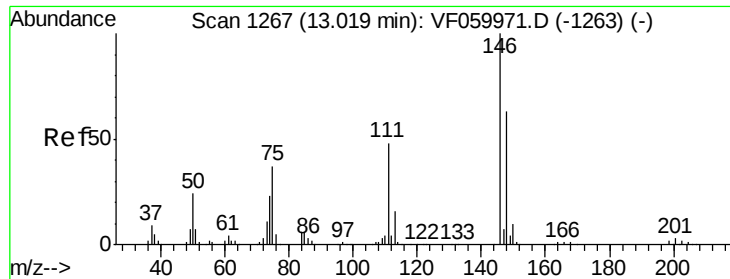
Delta R.T. -0.00 min

Lab File: VF059968.D

Acq: 16 Aug 2018 19:14

Tgt Ion:	117	Resp:	7769
Ion Ratio	Lower	Upper	
117	100		
201	81.3	35.3	105.7





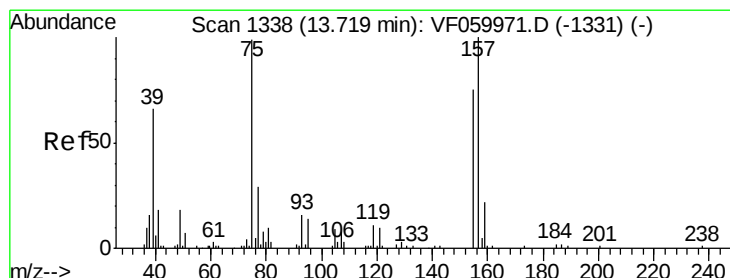
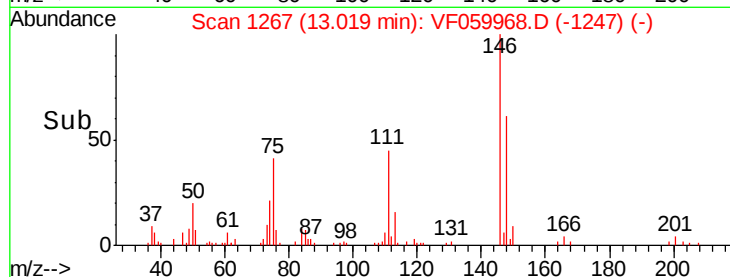
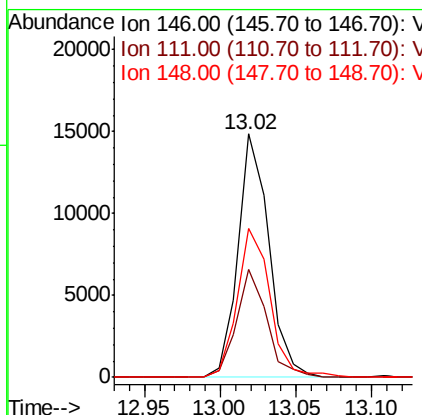
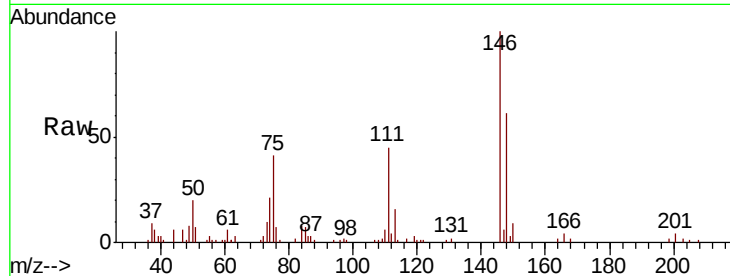
#91
 1,2-Dichlorobenzene
 Concen: 5.12 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.6	23.9	71.8
148	60.9	31.4	94.3

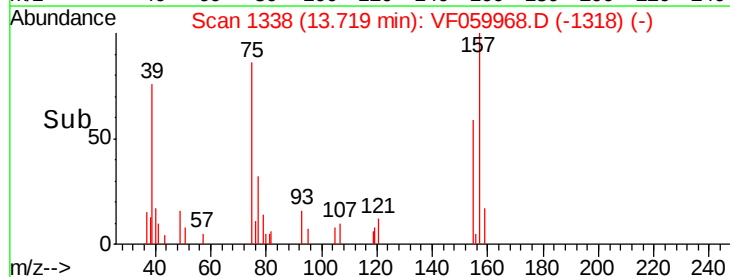
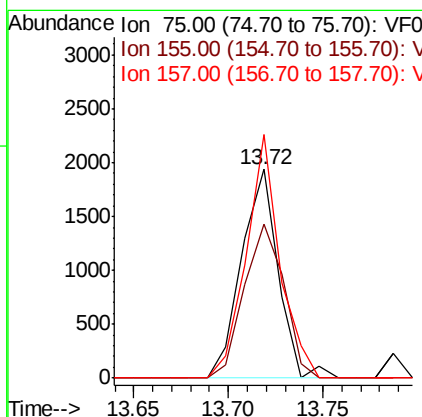
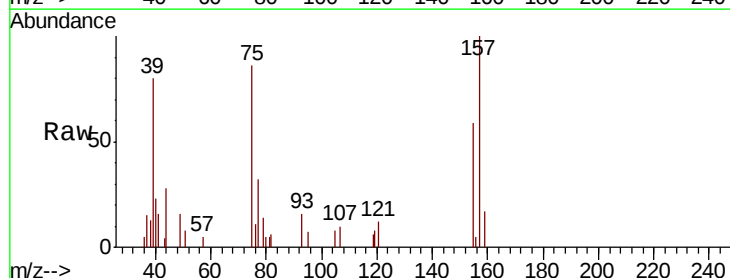
Manual Integrations
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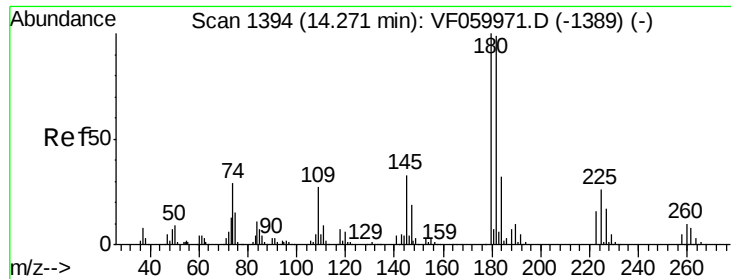
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.31 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.0	38.0	114.0
157	116.6	50.6	151.8





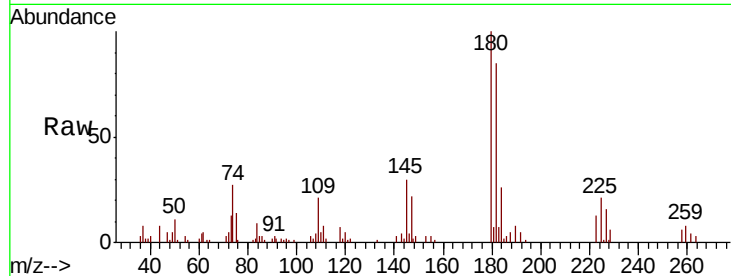
#93
 1,2,4-Trichlorobenzene
 Concen: 4.72 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	16505		
182	85.1	49.7	149.1	
145	30.0	16.4	49.4	

Manual Integrations
 APPROVED

apatel
 8/17/2018 11:23:25 AM

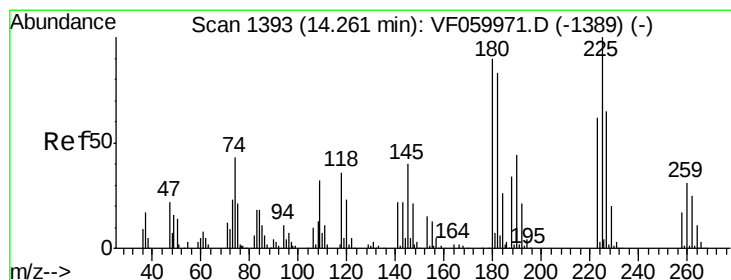
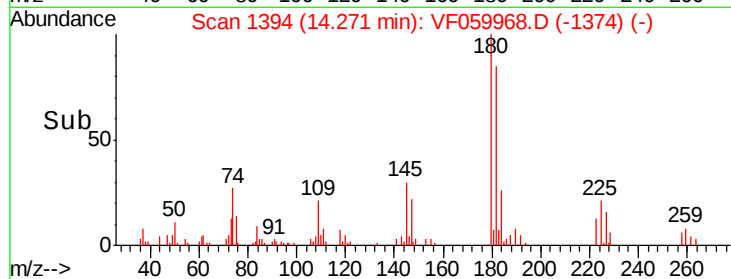
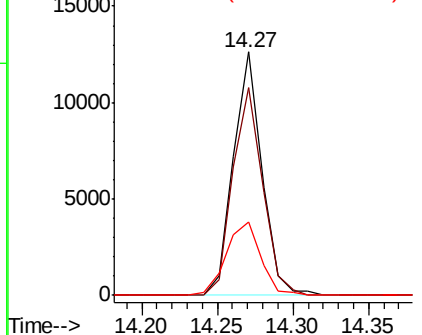


Abundance

Ion 180.00 (179.70 to 180.70): V

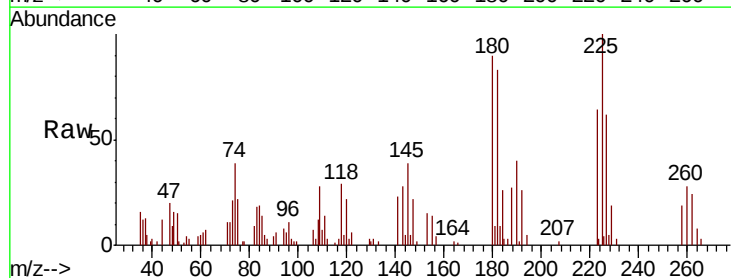
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 4.68 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF059968.D
 Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	9766		
223	67.1	31.0	93.0	
227	62.0	32.4	97.2	

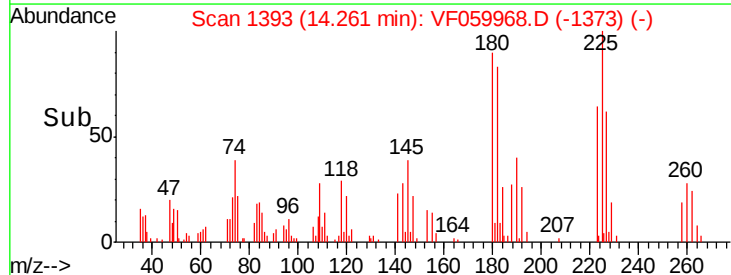
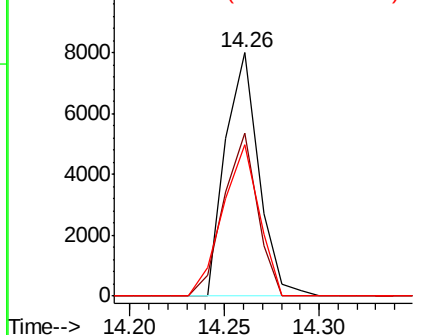


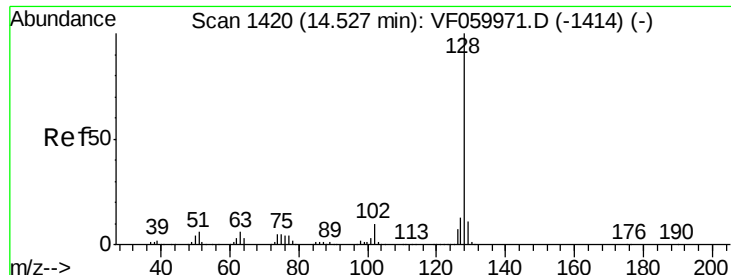
Abundance

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





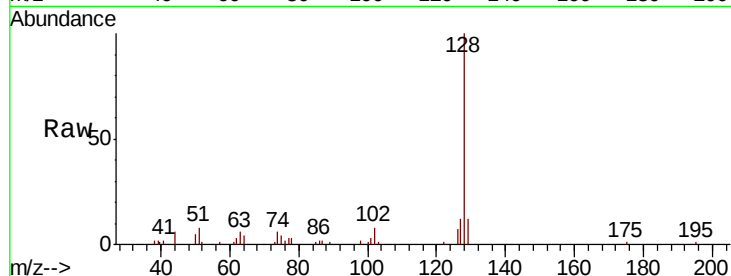
#95
Naphthalene
Concen: 4.21 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
128	100	25027		
127	12.3		10.2	15.4
129	12.0		8.8	13.2

Manual Integrations
APPROVED

apatel
8/17/2018 11:23:25 AM

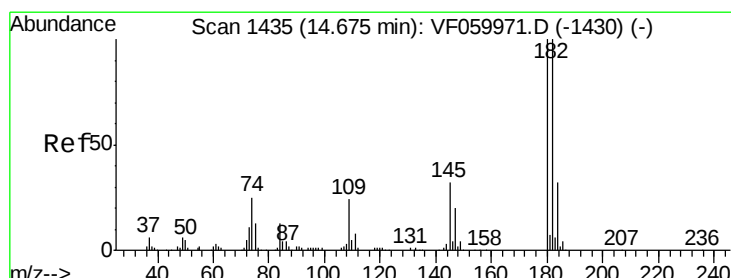
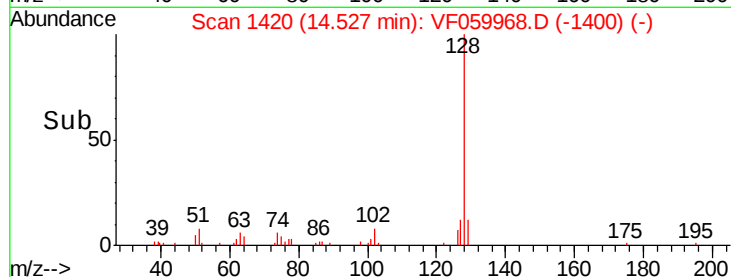
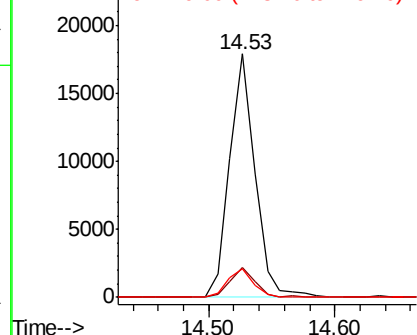


Abundance

Ion 128.00 (127.70 to 128.70): V

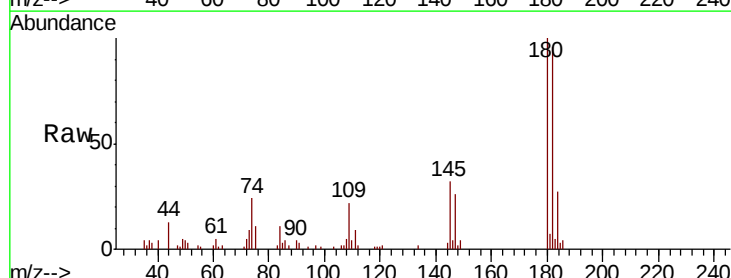
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 4.70 ug/l
RT: 14.67 min Scan# 1435
Delta R.T. -0.00 min
Lab File: VF059968.D
Acq: 16 Aug 2018 19:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	15578		
182	96.2		49.9	149.7
145	31.6		16.2	48.5



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

