

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF122618\
 Data File : VF061189.D
 Acq On : 26 Dec 2018 15:38
 Operator : VA/AP
 Sample : J6447-09MS
 Misc : 5.35u/5mL/MSVOA-F/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Manual Integrations
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Quant Time: Dec 27 07:27:06 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F121918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 20 00:56:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	17771	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	5.58	114	26988	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.76	117	16318	50.00	ug/l	-0.02
72) 1,4-Dichlorobenzene-d4	12.54	152	4040	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.83	65	6351	27.79	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	55.58%	
35) Dibromofluoromethane	4.09	113	10002	46.26	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	92.52%	
50) Toluene-d8	7.54	98	30439	49.68	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	99.36%	
62) 4-Bromofluorobenzene	11.39	95	7728	27.36	ug/l	-0.02
Spiked Amount	50.000		Recovery	=	54.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.96	85	29537	74.770	ug/l	97
3) Chloromethane	1.10	50	15266	67.464	ug/l	95
4) Vinyl Chloride	1.14	62	16656	79.347	ug/l	96
5) Bromomethane	1.31	94	10762	73.916	ug/l	88
6) Chloroethane	1.36	64	7434	76.858	ug/l	94
7) Trichlorofluoromethane	1.47	101	35084	87.534	ug/l	91
8) Diethyl Ether	1.62	74	1718	31.302	ug/l	70
9) 1,1,2-Trichlorotrifluoroet	1.81	101	15443	74.312	ug/l	94
10) Methyl Iodide	1.88	142	16329	49.848	ug/l #	91
11) Tert butyl alcohol	2.57	59	715	77.519	ug/l #	65
12) 1,1-Dichloroethene	1.77	96	12721	81.206	ug/l #	92
13) Acrolein	2.00	56	275	41.261	ug/l #	74
14) Allyl chloride	2.08	41	18143	111.292	ug/l	89
15) Acrylonitrile	2.94	53	2664	124.903	ug/l #	91
16) Acetone	2.23	43	3884	85.002	ug/l	94
17) Carbon Disulfide	1.80	76	36110	76.277	ug/l	96
18) Methyl Acetate	2.33	43	5402m	57.143	ug/l	
19) Methyl tert-butyl Ether	2.43	73	7643	21.981	ug/l	96
20) Methylene Chloride	2.21	84	6543	44.299	ug/l #	76
21) trans-1,2-Dichloroethene	2.30	96	9796	58.467	ug/l	89
22) Diisopropyl ether	2.78	45	18916	34.835	ug/l #	85
23) Vinyl Acetate	3.17	43	781m	3.118	ug/l	
24) 1,1-Dichloroethane	2.86	63	17540	54.516	ug/l #	95
25) 2-Butanone	4.34	43	9117	123.028	ug/l #	57
26) 2,2-Dichloropropane	3.58	77	17423	94.362	ug/l	100
27) cis-1,2-Dichloroethene	3.46	96	11112	43.321	ug/l	90
28) Bromochloromethane	3.70	49	5761	35.289	ug/l #	82
29) Tetrahydrofuran	4.06	42	3508	116.307	ug/l	89
30) Chloroform	3.85	83	20674	42.854	ug/l	92
31) Cyclohexane	3.68	56	23856	71.455	ug/l #	81
32) 1,1,1-Trichloroethane	4.08	97	26337	91.082	ug/l	99
36) 1,1-Dichloropropene	4.26	75	22025	67.611	ug/l	98
37) Ethyl Acetate	4.11	43	2363	16.616	ug/l #	1
38) Carbon Tetrachloride	3.97	117	24539m	98.915	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.44	83	19730	67.510	ug/l	91
40) Benzene	4.62	78	38493	54.946	ug/l	94
41) Methacrylonitrile	4.72	41	1508	21.919	ug/l #	64
42) 1,2-Dichloroethane	4.92	62	8091	30.403	ug/l	96
43) Isopropyl Acetate	6.99	43	1068	6.790	ug/l #	45
44) Trichloroethene	5.49	130	13152	59.547	ug/l	97
45) 1,2-Dichloropropane	6.22	63	6716	35.236	ug/l	94
46) Dibromomethane	6.07	93	3164	25.595	ug/l #	70
47) Bromodichloromethane	6.36	83	11158	34.739	ug/l #	83
48) Methyl methacrylate	6.70	41	2443	22.248	ug/l #	83
49) 1,4-Dioxane	6.70	88	242	303.726	ug/l #	56
51) 4-Methyl-2-Pentanone	8.25	43	3866	35.837	ug/l #	85
52) Toluene	7.61	92	23176	49.977	ug/l	99
53) t-1,3-Dichloropropene	8.27	75	6024	23.249	ug/l	92
54) cis-1,3-Dichloropropene	7.28	75	10286	31.629	ug/l	93
55) 1,1,2-Trichloroethane	8.47	97	3538	25.450	ug/l	88
56) Ethyl methacrylate	8.62	69	464	3.084	ug/l	99
57) 1,3-Dichloropropane	8.84	76	6070	24.141	ug/l	91
58) 2-Chloroethyl Vinyl ether	7.27	63	1079	37.347	ug/l #	90
59) 2-Hexanone	9.48	43	232	2.974	ug/l #	27
60) Dibromochloromethane	8.70	129	4762	23.896	ug/l	97
61) 1,2-Dibromoethane	8.97	107	3179	21.411	ug/l	89
64) Tetrachloroethene	8.14	164	8728	69.531	ug/l	92
65) Chlorobenzene	9.78	112	18459	54.757	ug/l	91
66) 1,1,1,2-Tetrachloroethane	9.92	131	6755	49.034	ug/l	97
67) Ethyl Benzene	9.89	91	41650	67.818	ug/l	97
68) m/p-Xylenes	10.11	106	27547	127.454	ug/l	90
69) o-Xylene	10.70	106	11448	47.758	ug/l	87
70) Styrene	10.77	104	14345	49.015	ug/l	92
71) Bromoform	10.76	173	1766	27.708	ug/l	92
73) Isopropylbenzene	11.11	105	43924	126.165	ug/l	99
74) N-amyl acetate	11.38	43	228	2.950	ug/l #	46
75) 1,1,2,2-Tetrachloroethane	11.69	83	3228	55.866	ug/l #	87
76) 1,2,3-Trichloropropane	11.79	75	2707	62.953	ug/l	82
77) Bromobenzene	11.48	156	4764	63.567	ug/l	82
78) n-propylbenzene	11.58	91	48028	Below Cal		95
79) 2-Chlorotoluene	11.71	91	22143	92.715	ug/l	95
80) 1,3,5-Trimethylbenzene	11.81	105	27963	97.543	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.86	75	995m	53.849	ug/l	
82) 4-Chlorotoluene	11.89	91	19896	80.530	ug/l	98
83) tert-Butylbenzene	12.11	119	33357	113.077	ug/l	96
84) 1,2,4-Trimethylbenzene	12.19	105	20761	72.623	ug/l	99
85) sec-Butylbenzene	12.29	105	41922	108.897	ug/l	98
86) p-Isopropyltoluene	12.45	119	28862	90.322	ug/l	99
87) 1,3-Dichlorobenzene	12.46	146	8216	69.246	ug/l	95
88) 1,4-Dichlorobenzene	12.56	146	8254	59.978	ug/l	90
89) n-Butylbenzene	12.83	91	22802	84.698	ug/l	92
90) Hexachloroethane	12.90	117	6541	82.852	ug/l	95
91) 1,2-Dichlorobenzene	12.93	146	5934	44.290	ug/l	89
92) 1,2-Dibromo-3-Chloropropan	13.63	75	405	38.197	ug/l	80

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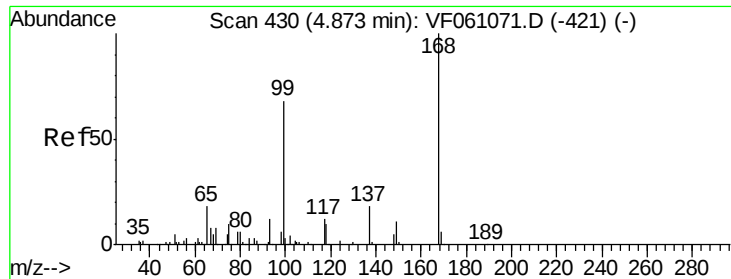
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.19	180	1439	15.144	ug/l	84
94) Hexachlorobutadiene	14.18	225	2247	37.129	ug/l	89
95) Naphthalene	14.45	128	232	1.337	ug/l #	70
96) 1,2,3-Trichlorobenzene	14.59	180	862	9.813	ug/l	80

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 428

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:168 Resp: 17771

Ion Ratio Lower Upper

168 100

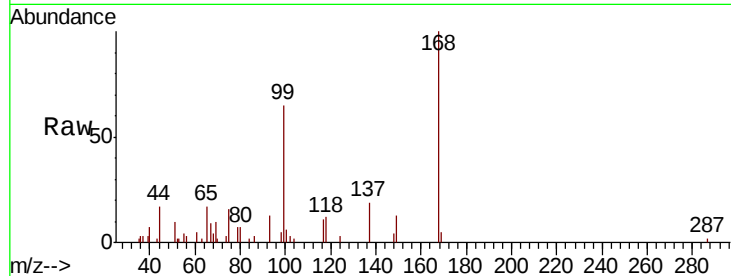
99 65.4 54.4 81.6

Manual Integrations

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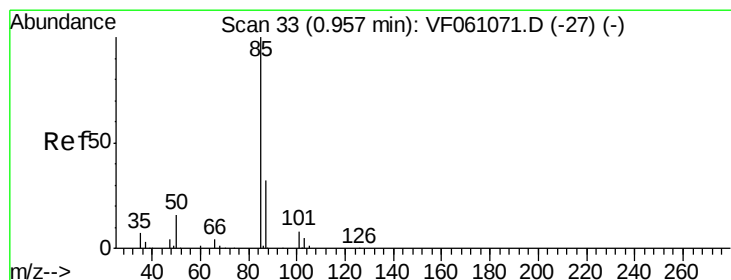
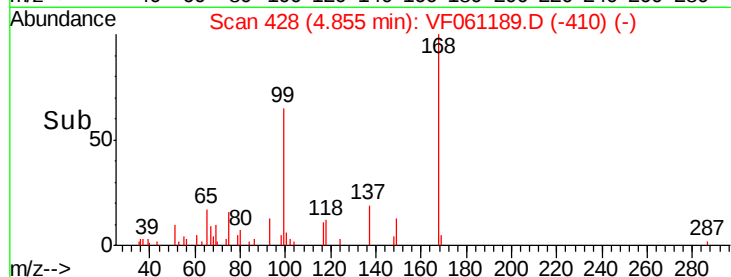
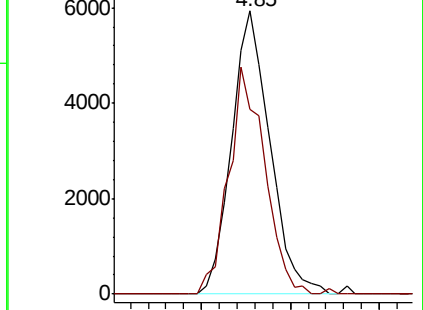
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Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 74.770 ug/l

RT: 0.96 min Scan# 33

Delta R.T. 0.00 min

Lab File: VF061189.D

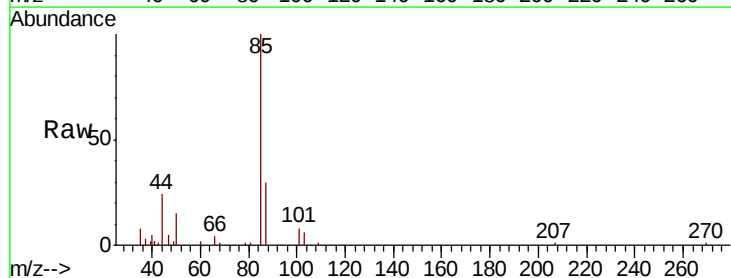
Acq: 26 Dec 2018 15:38

Tgt Ion: 85 Resp: 29537

Ion Ratio Lower Upper

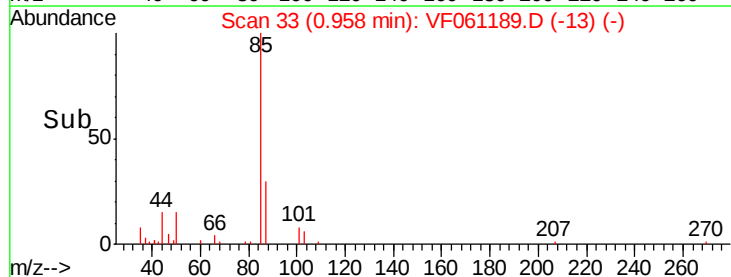
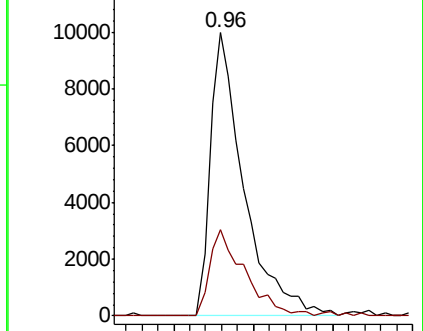
85 100

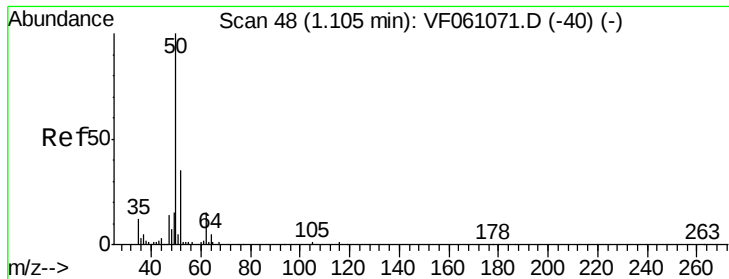
87 30.3 15.9 47.6



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 67.464 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 50 Resp: 15266

Ion Ratio Lower Upper

50 100

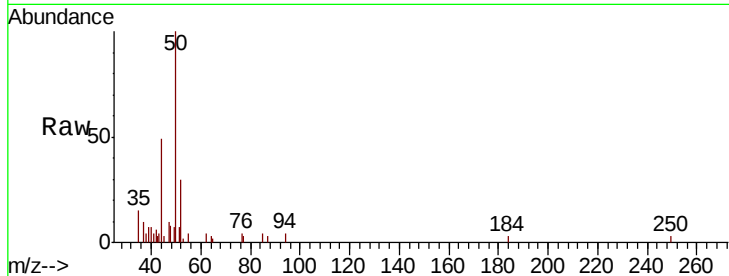
52 30.1 26.3 39.5

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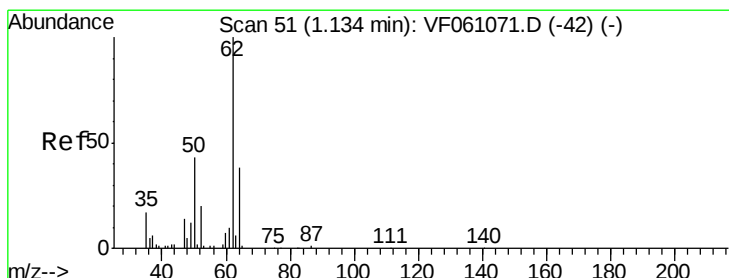
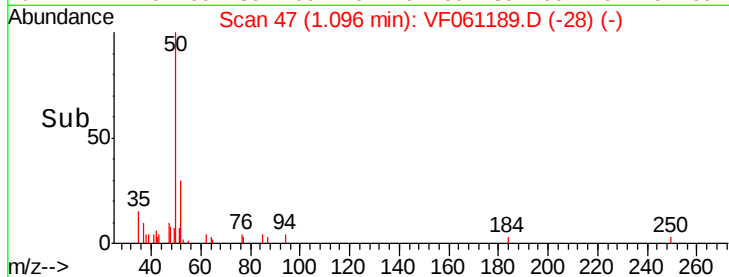
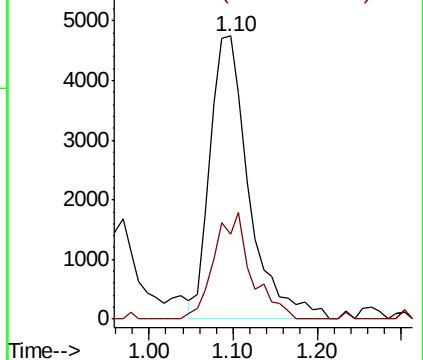
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Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 79.347 ug/l

RT: 1.14 min Scan# 51

Delta R.T. 0.00 min

Lab File: VF061189.D

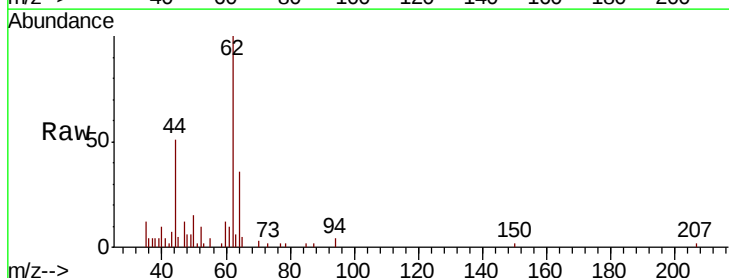
Acq: 26 Dec 2018 15:38

Tgt Ion: 62 Resp: 16656

Ion Ratio Lower Upper

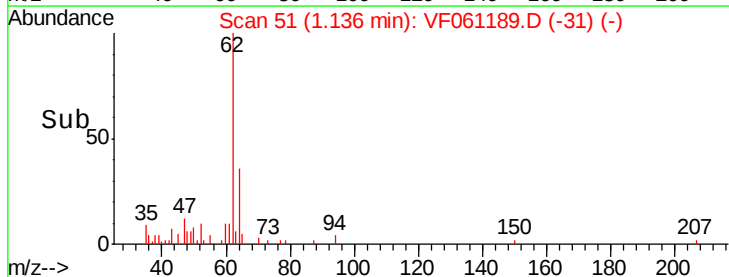
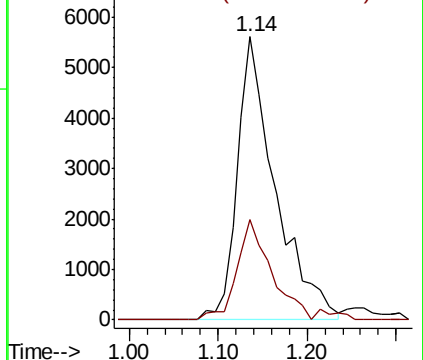
62 100

64 35.5 30.4 45.6



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 73.916 ug/l

RT: 1.31 min Scan# 69

Delta R.T. -0.03 min

Lab File: VF061189.D

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Tot Ion: 94 Resp: 10762

Ion Ratio Lower Upper

94 100

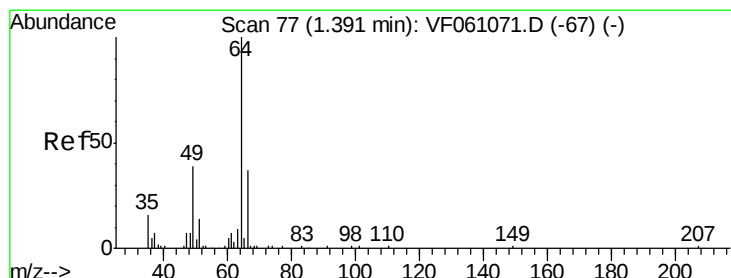
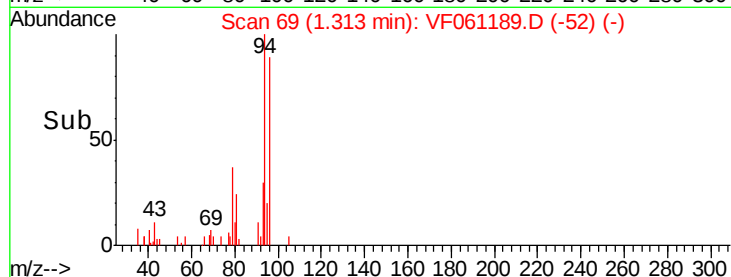
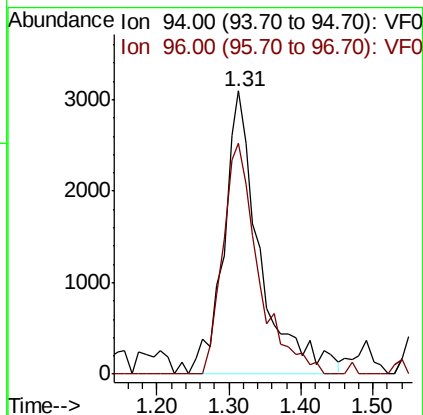
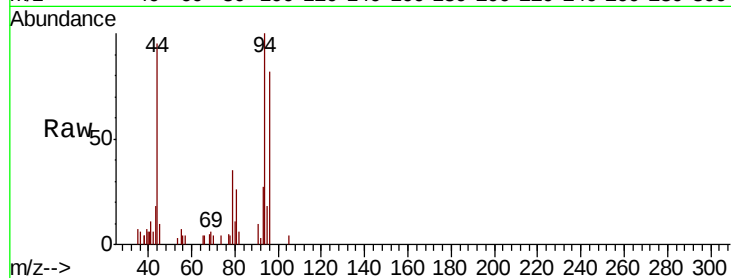
96 81.8 74.4 111.6

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#6

Chloroethane

Concen: 76.858 ug/l

RT: 1.36 min Scan# 74

Delta R.T. -0.03 min

Lab File: VF061189.D

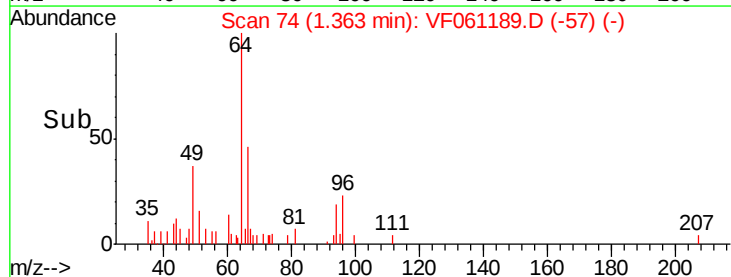
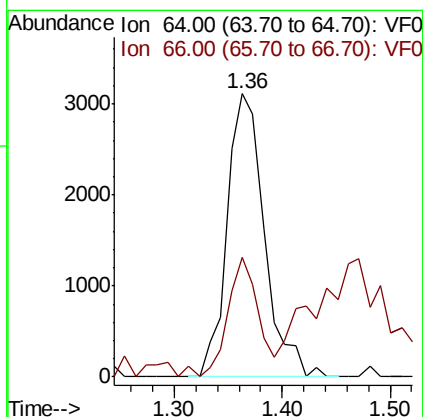
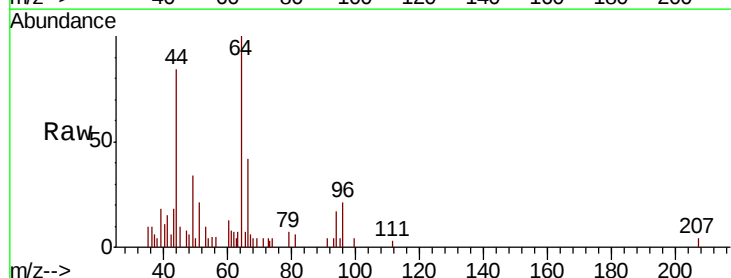
Acq: 26 Dec 2018 15:38

Tgt Ion: 64 Resp: 7434

Ion Ratio Lower Upper

64 100

66 42.2 30.9 46.3





#7

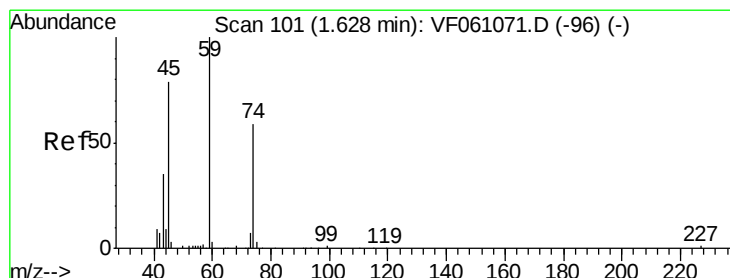
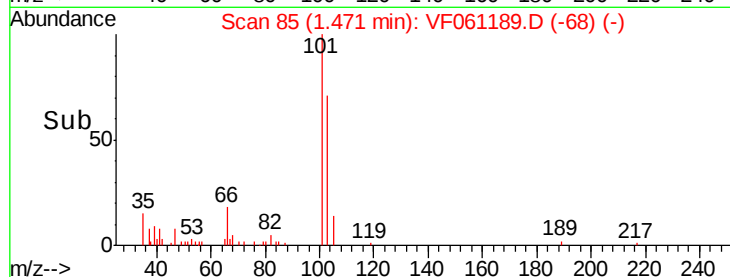
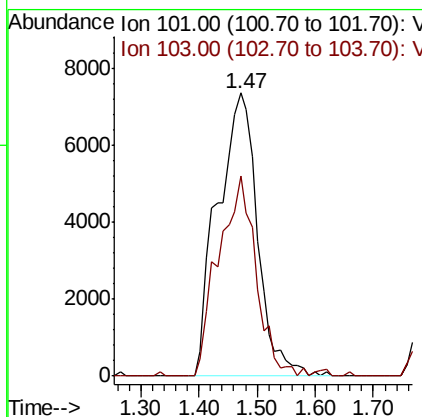
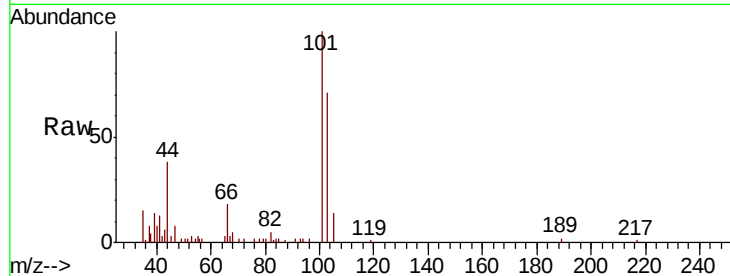
Trichlorofluoromethane
 Concen: 87.534 ug/l
 RT: 1.47 min Scan# 85
 Delta R.T. -0.03 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

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 P001-SS025-1218-01MS

Tot Ion:101 Resp: 35084
 Ion Ratio Lower Upper
 101 100
 103 70.6 50.7 76.1

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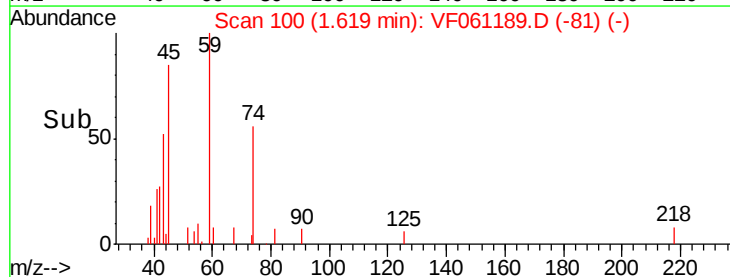
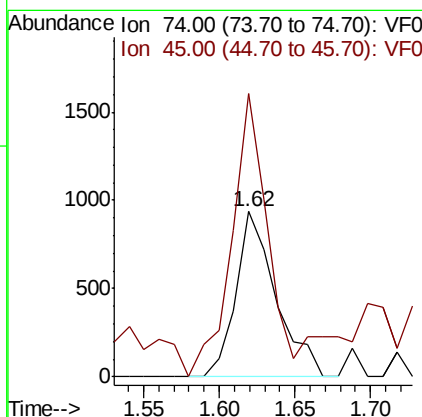
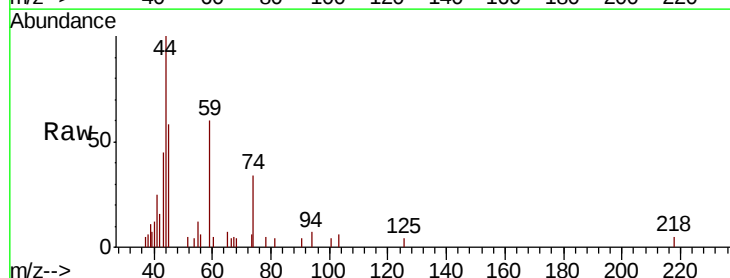
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#8

Diethyl Ether
 Concen: 31.302 ug/l
 RT: 1.62 min Scan# 100
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion: 74 Resp: 1718
 Ion Ratio Lower Upper
 74 100
 45 171.3 67.8 203.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 74.312 ug/l

RT: 1.81 min Scan# 119

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

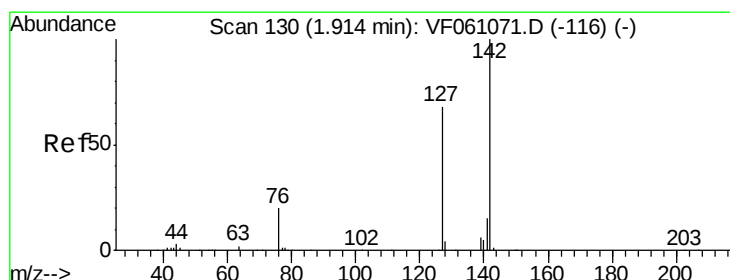
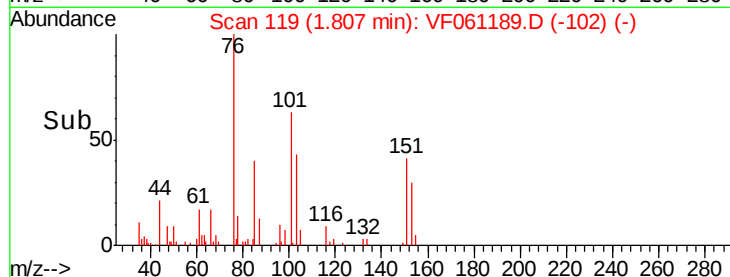
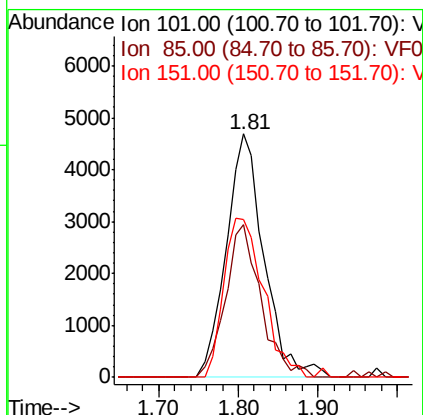
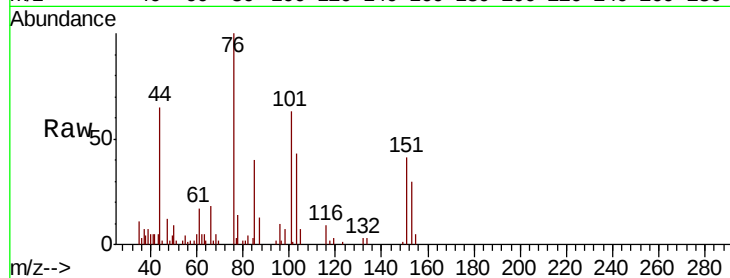
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	101	Resp:	15443
Ion Ratio	Lower	Upper	
101	100		
85	62.6	44.5	66.7
151	64.9	49.9	74.9

Manual Integrations
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#10

Methyl Iodide

Concen: 49.848 ug/l

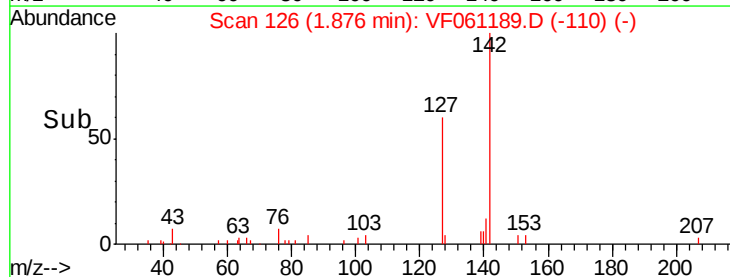
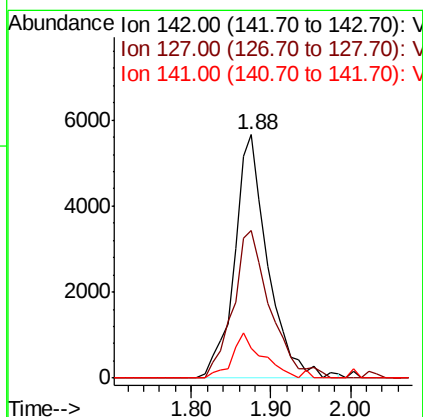
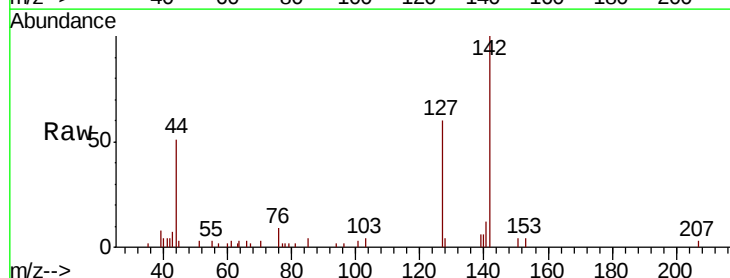
RT: 1.88 min Scan# 126

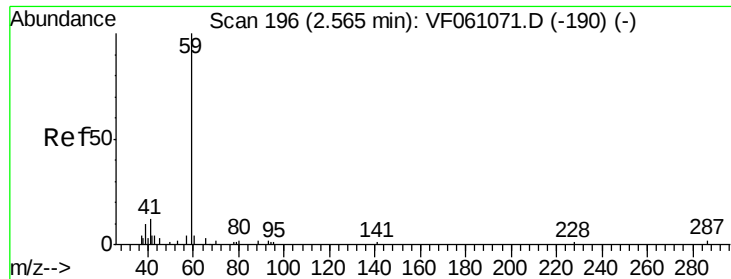
Delta R.T. -0.04 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	142	Resp:	16329
Ion Ratio	Lower	Upper	
142	100		
127	60.4	54.7	82.1
141	12.1	12.2	18.2#





#11

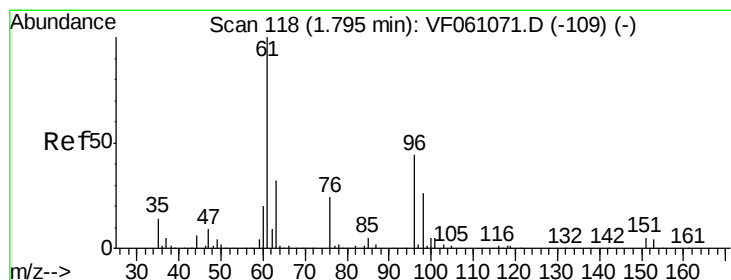
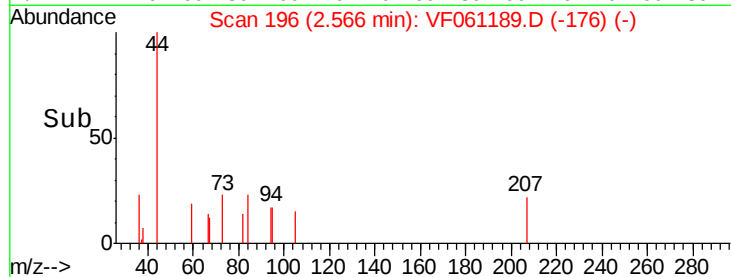
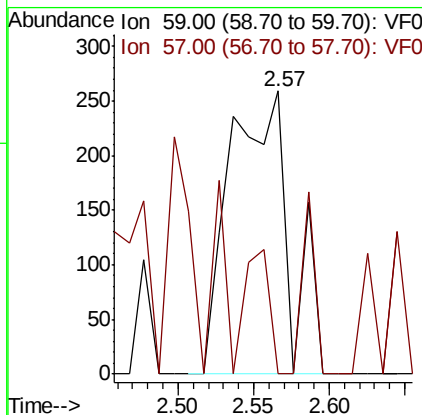
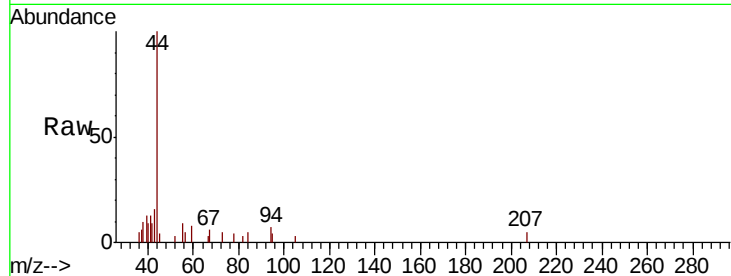
Tert butyl alcohol
 Concen: 77.519 ug/l
 RT: 2.57 min Scan# 196
 Delta R.T. 0.00 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	11.5	17.3#

Manual Integrations
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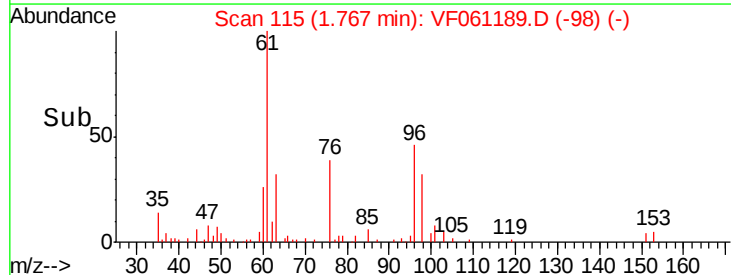
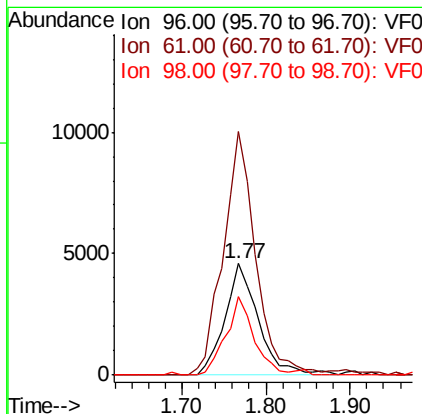
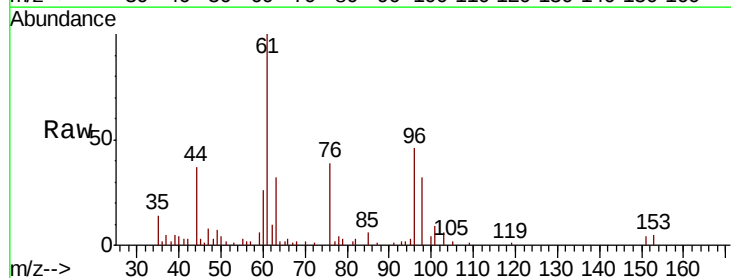
apatel
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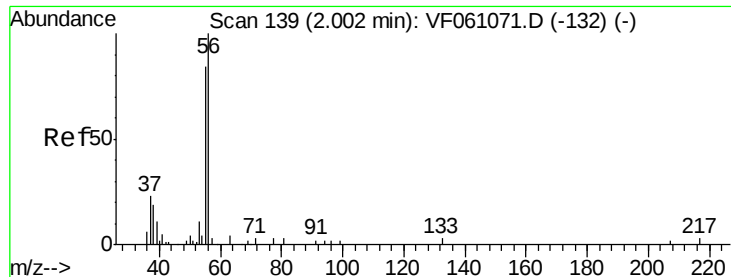


#12

1,1-Dichloroethene
 Concen: 81.206 ug/l
 RT: 1.77 min Scan# 115
 Delta R.T. -0.03 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	218.3	182.0	273.0
98	70.7	46.5	69.7#





#13

Acrolein

Concen: 41.261 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 56 Resp: 275

Ion Ratio Lower Upper

56 100

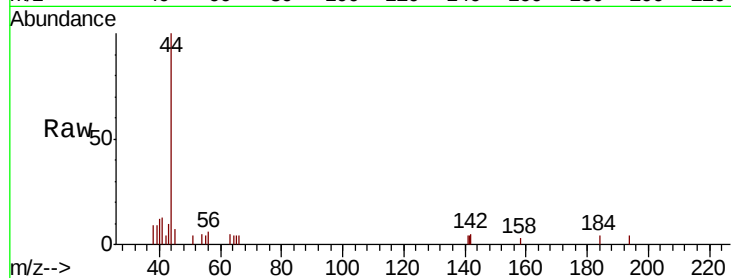
55 63.8 70.2 105.2#

Manual Integrations

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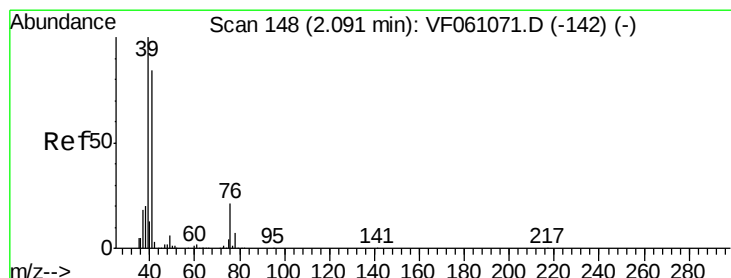
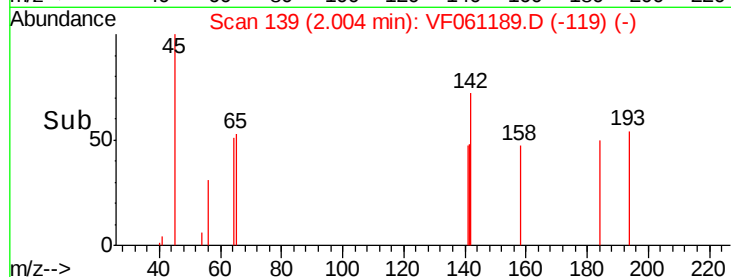
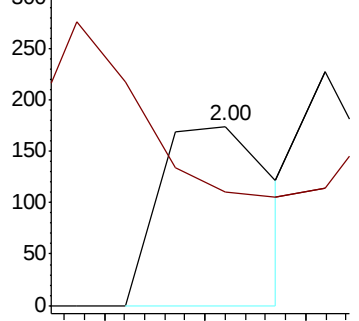
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Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 111.292 ug/l

RT: 2.08 min Scan# 147

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

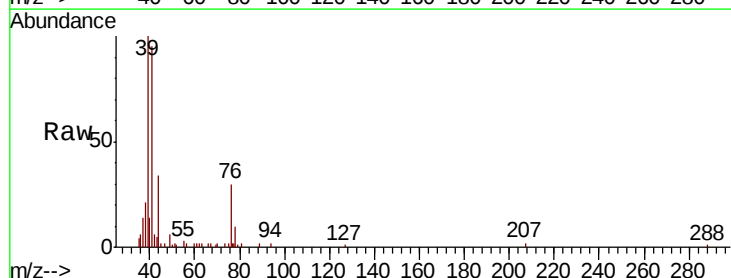
Tgt Ion: 41 Resp: 18143

Ion Ratio Lower Upper

41 100

39 105.4 96.4 144.6

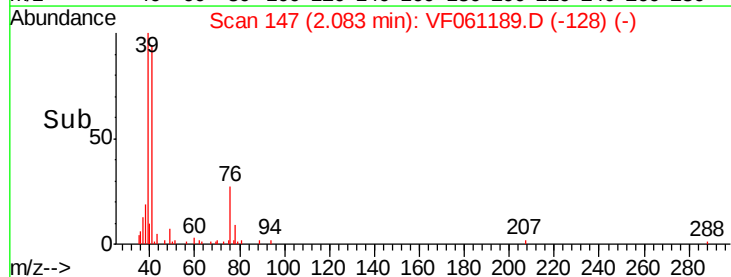
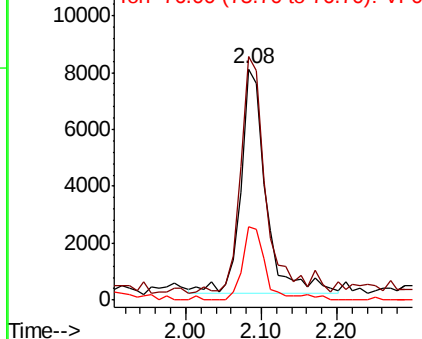
76 31.5 25.4 38.0

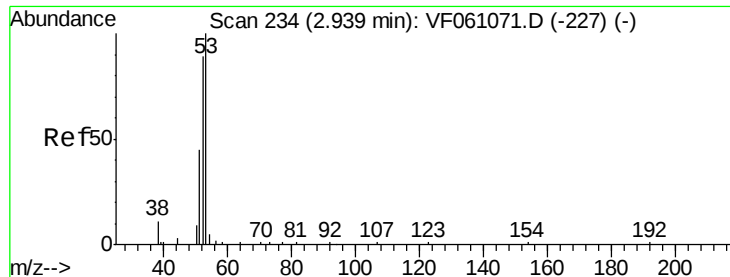


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 124.903 ug/l

RT: 2.94 min Scan# 234

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

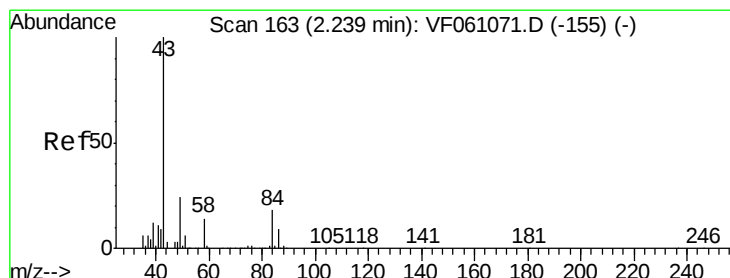
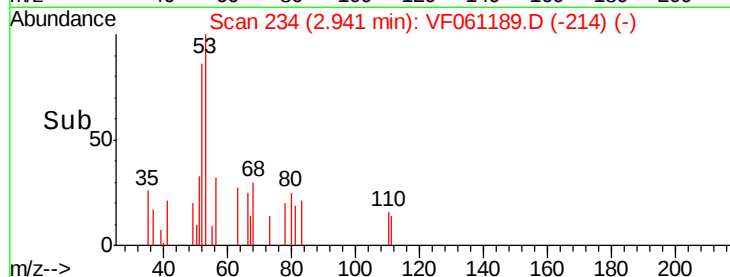
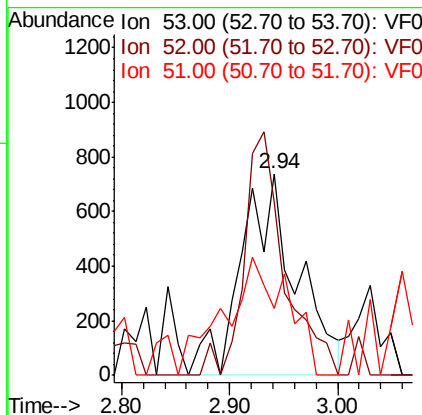
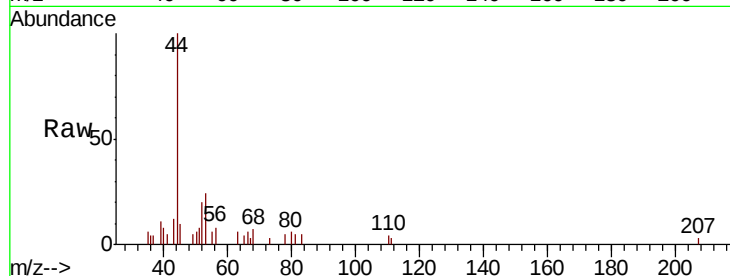
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	53	Resp:	2664
Ion	Ratio	Lower	Upper
53	100		
52	86.2	71.3	106.9
51	33.1	36.8	55.2#

Manual Integrations
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#16

Acetone

Concen: 85.002 ug/l

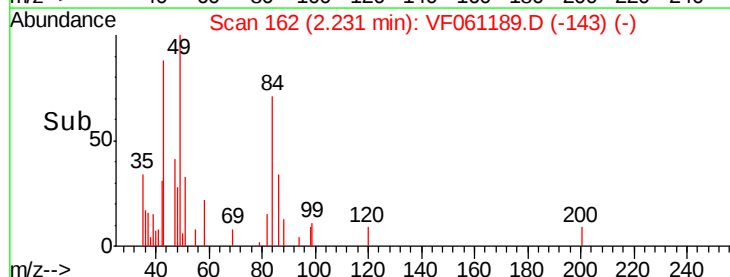
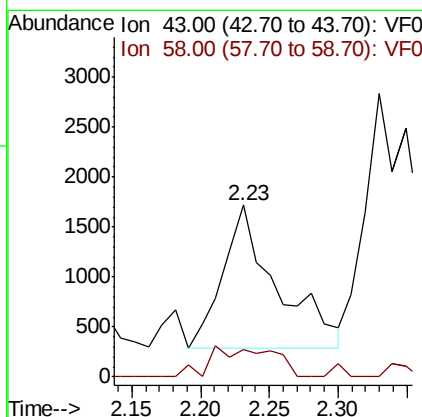
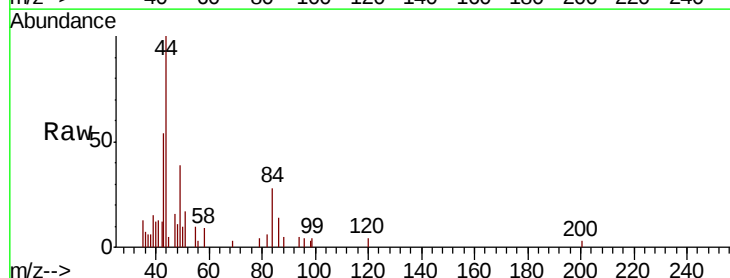
RT: 2.23 min Scan# 162

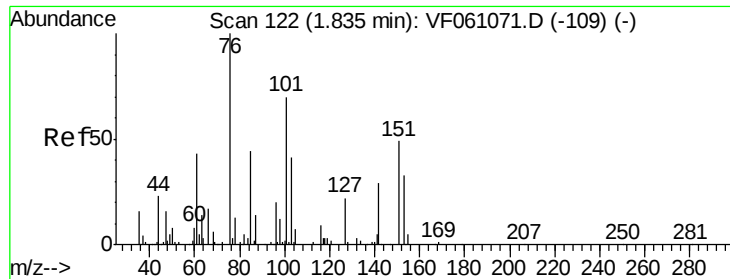
Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	43	Resp:	3884
Ion	Ratio	Lower	Upper
43	100		
58	16.2	11.1	16.7





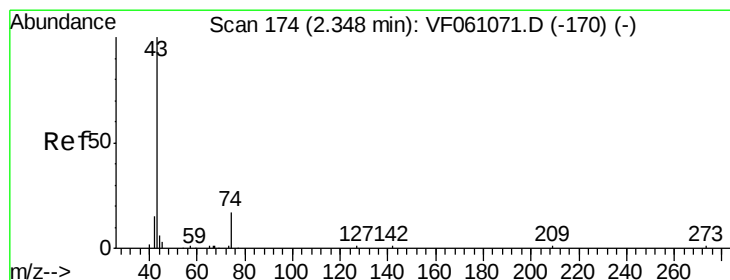
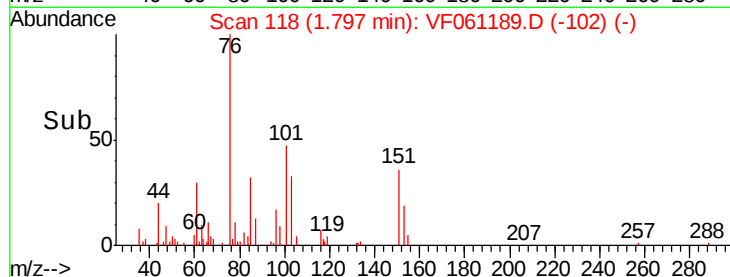
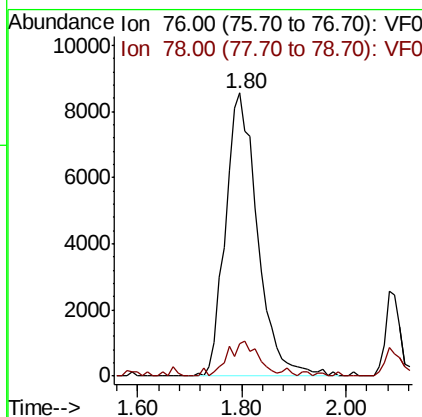
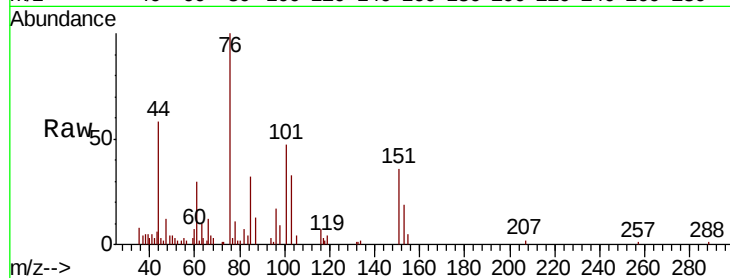
#17
Carbon Disulfide
Concen: 76.277 ug/l
RT: 1.80 min Scan# 118
Delta R.T. -0.04 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 76 Resp: 36110
Ion Ratio Lower Upper
76 100
78 11.4 10.2 15.4

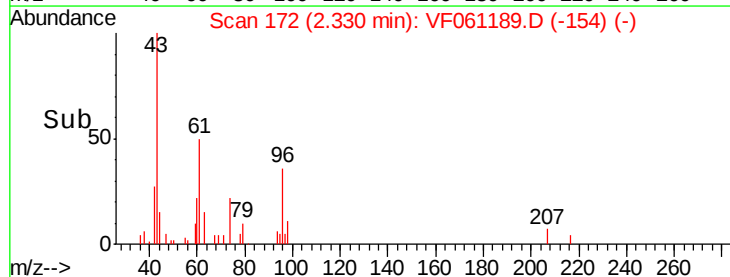
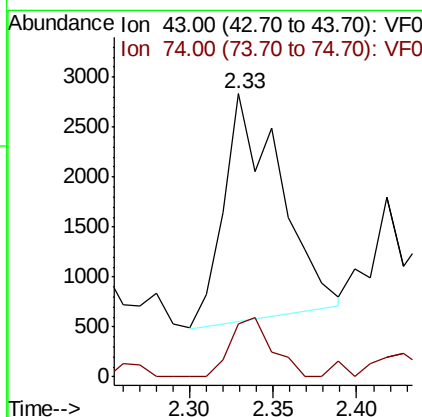
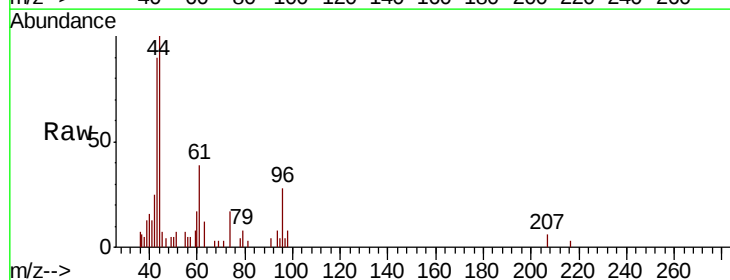
Manual Integrations
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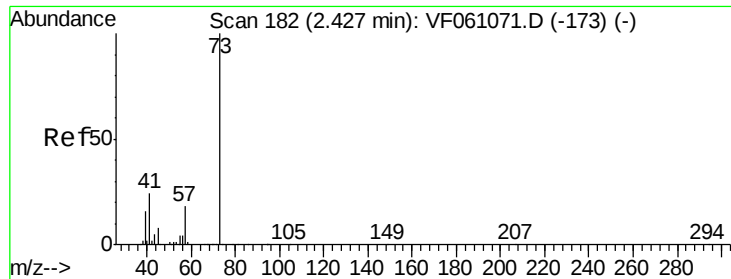
apatel
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#18
Methyl Acetate
Concen: 57.143 ug/l m
RT: 2.33 min Scan# 172
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 43 Resp: 5402
Ion Ratio Lower Upper
43 100
74 18.9 11.0 16.6#





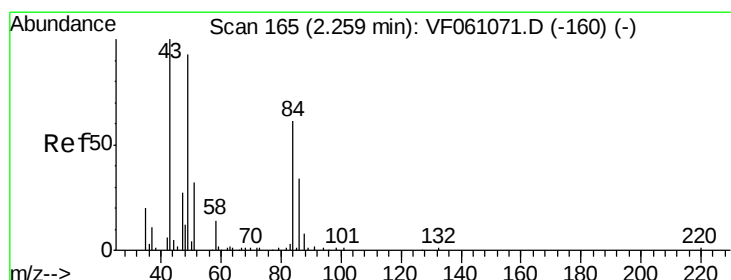
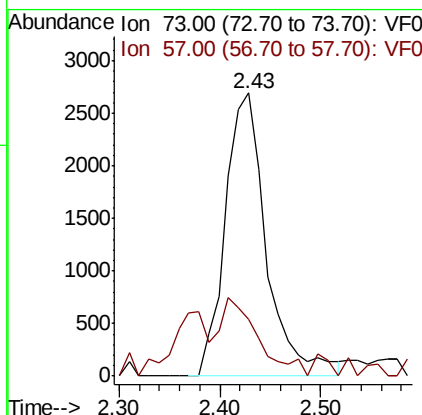
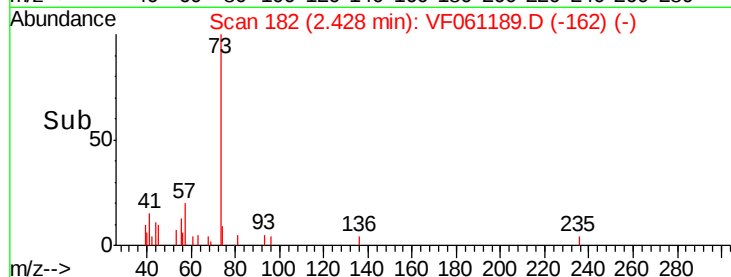
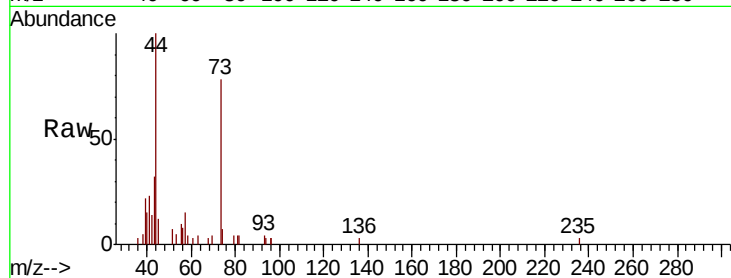
#19
Methvl tert-butvl Ether
Concen: 21.981 ug/l
RT: 2.43 min Scan# 182
Delta R.T. 0.00 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.9	14.5	21.7

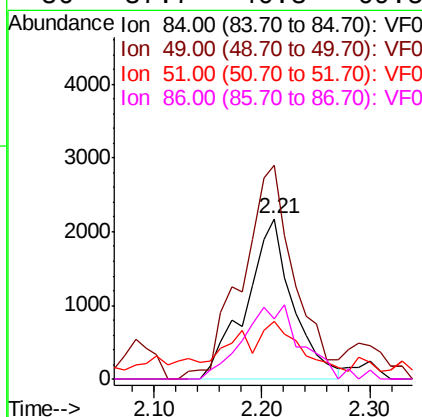
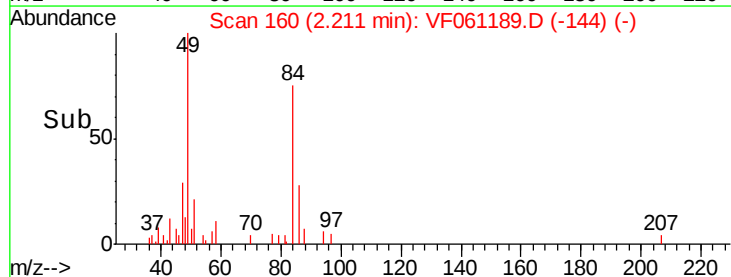
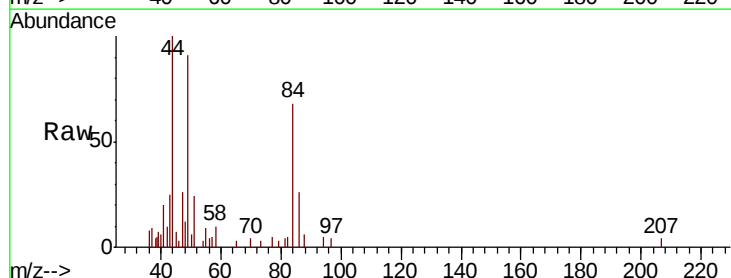
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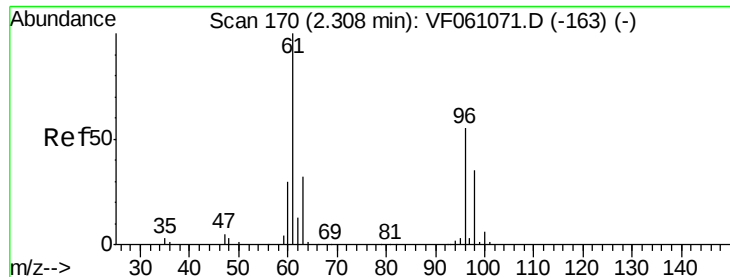
apatel
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#20
Methylene Chloride
Concen: 44.299 ug/l
RT: 2.21 min Scan# 160
Delta R.T. -0.05 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.3	129.4	194.2
51	35.7	44.0	66.0#
86	37.7	46.3	69.5#





#21

trans-1,2-Dichloroethene

Concen: 58.467 ug/l

RT: 2.30 min Scan# 169

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

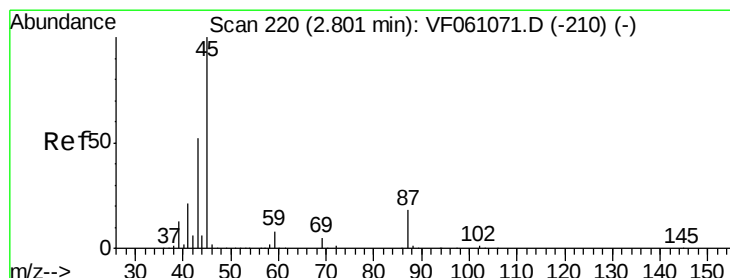
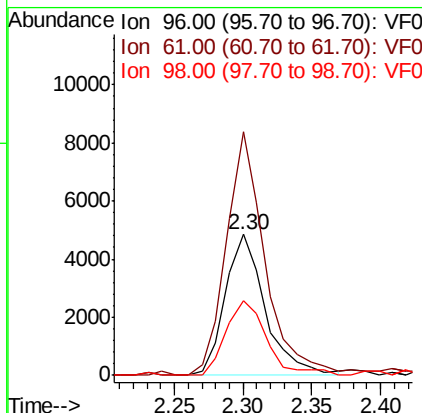
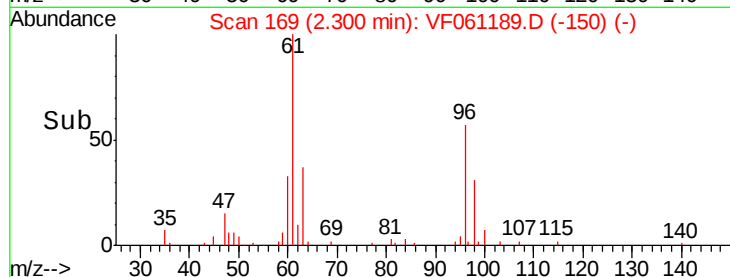
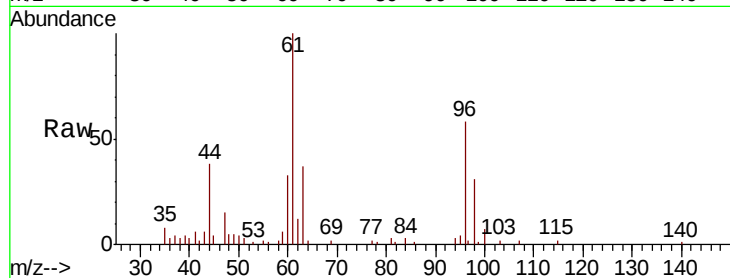
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	96	Resp:	9796
Ion	Ratio	Lower	Upper
96	100		
61	167.1	146.0	219.0
98	53.9	51.6	77.4

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#22

Diisopropyl ether

Concen: 34.835 ug/l

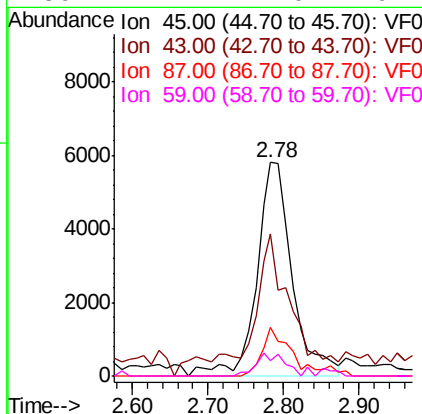
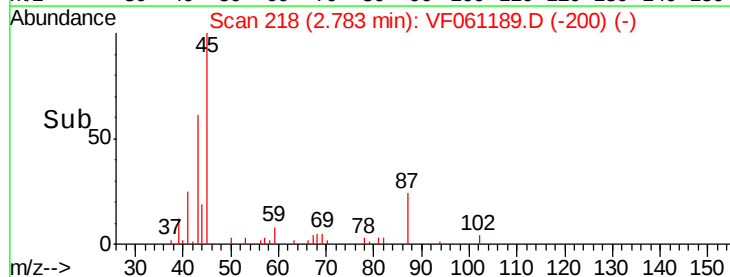
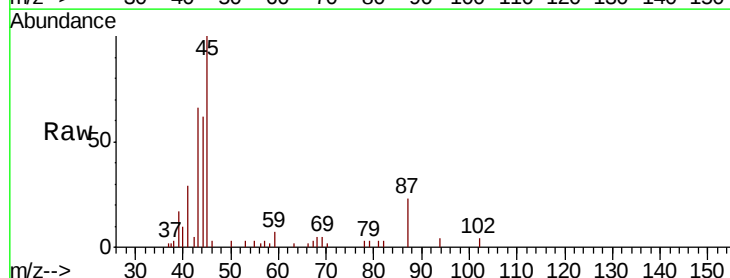
RT: 2.78 min Scan# 218

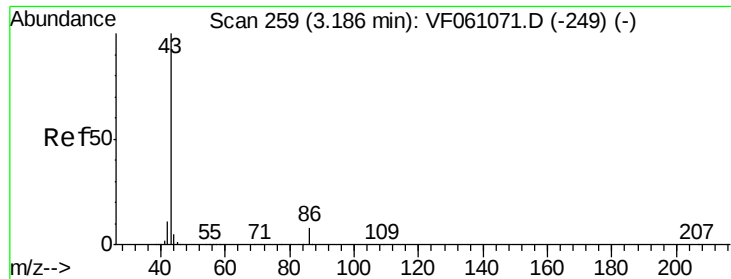
Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	45	Resp:	18916
Ion	Ratio	Lower	Upper
45	100		
43	66.3	42.2	63.2#
87	22.6	14.6	22.0#
59	7.4	7.0	10.4





#23

Vinyl Acetate

Concen: 3.118 ug/l m

RT: 3.17 min Scan# 257

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 43 Resp: 781

Ion Ratio Lower Upper

43 100

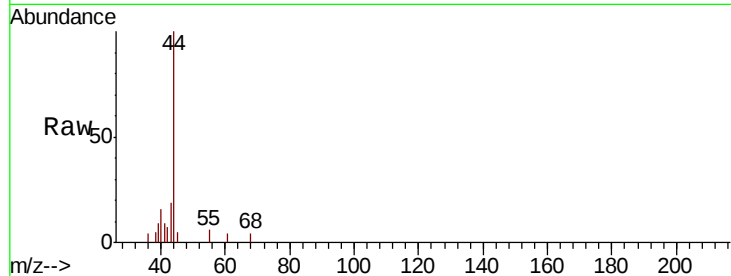
86 0.0 6.3 9.5#

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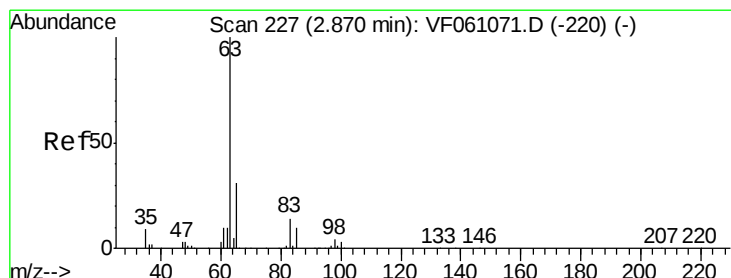
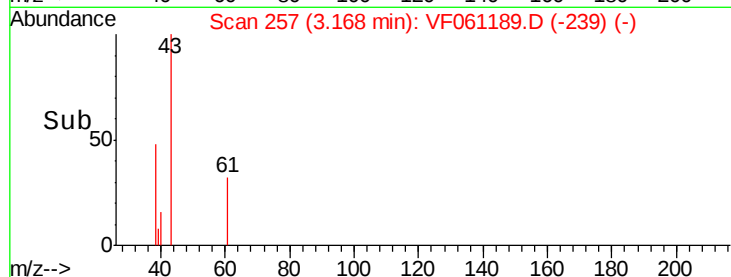
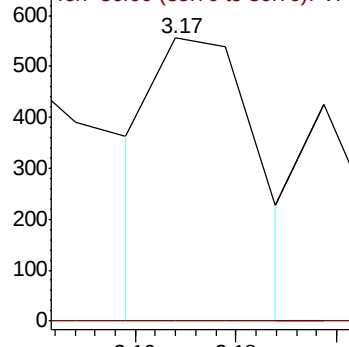
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



#24

1,1-Dichloroethane

Concen: 54.516 ug/l

RT: 2.86 min Scan# 226

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

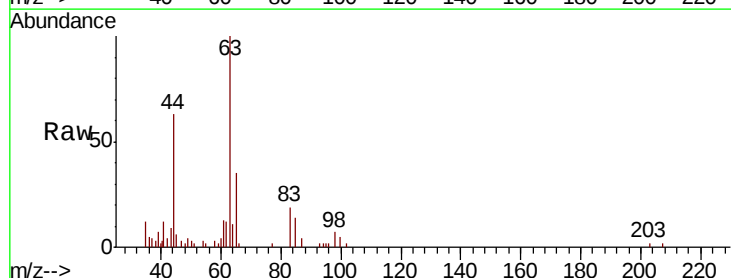
Tgt Ion: 63 Resp: 17540

Ion Ratio Lower Upper

63 100

98 6.6 2.1 6.5#

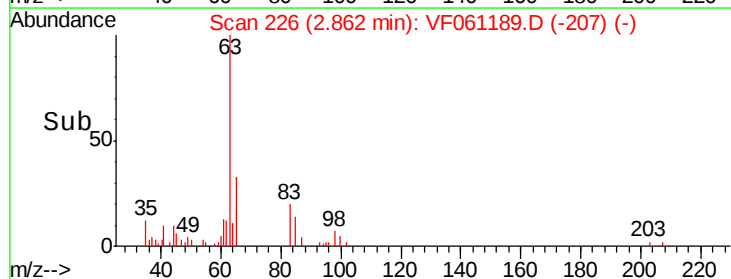
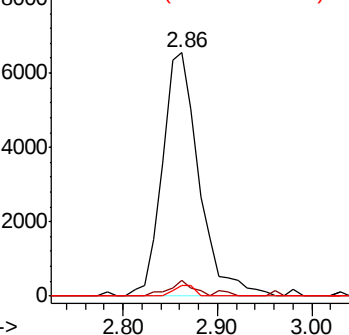
100 4.6 1.7 5.1

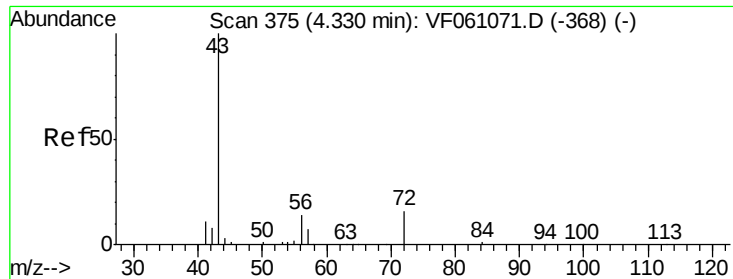


Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#25

2-Butanone

Concen: 123.028 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

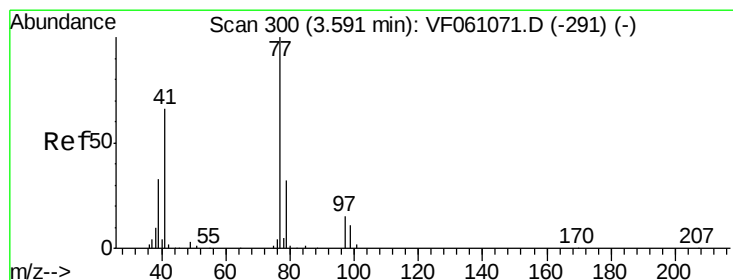
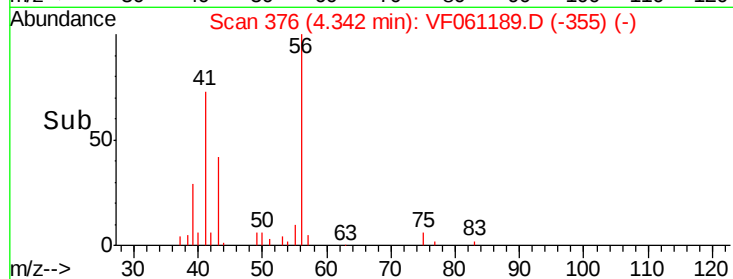
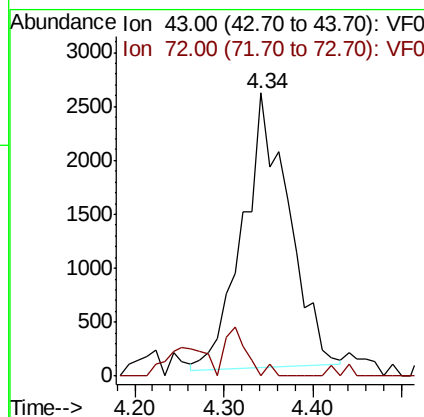
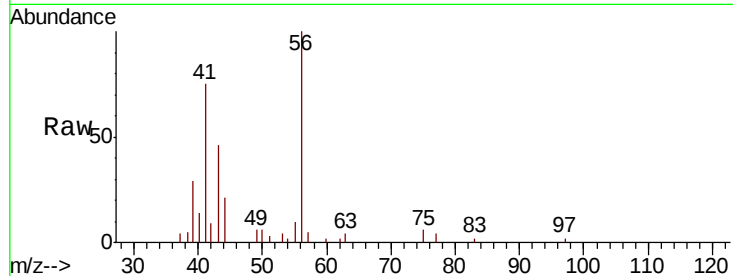
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.6	23.4#

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 94.362 ug/l

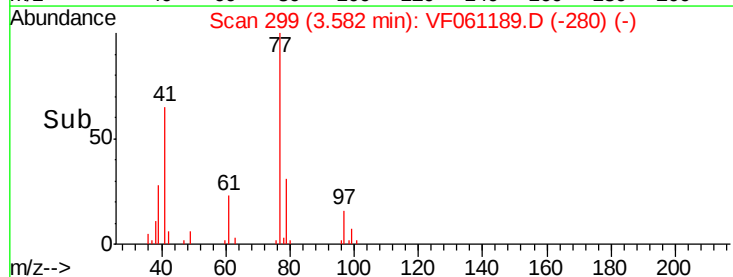
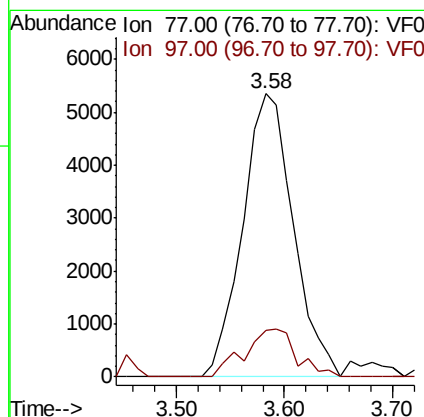
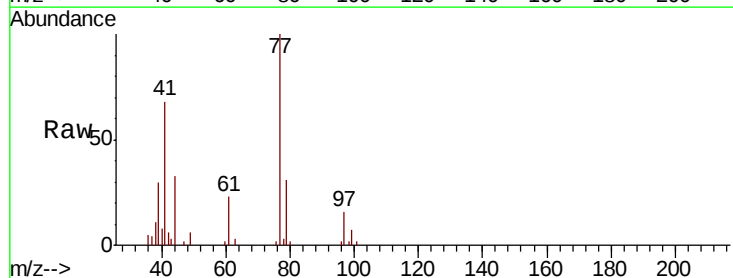
RT: 3.58 min Scan# 299

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
77	100		
97	16.4	8.2	24.4





#27

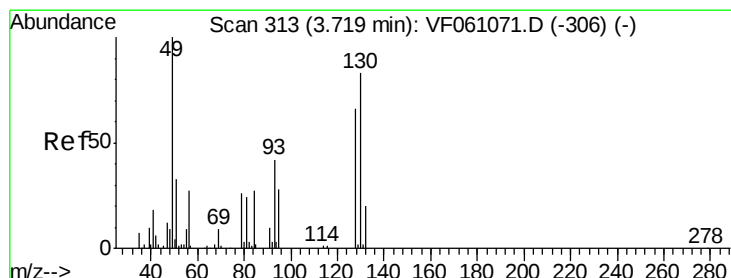
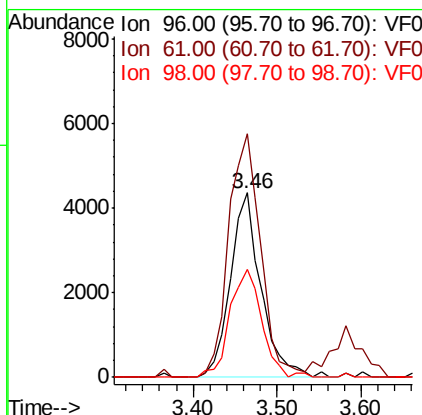
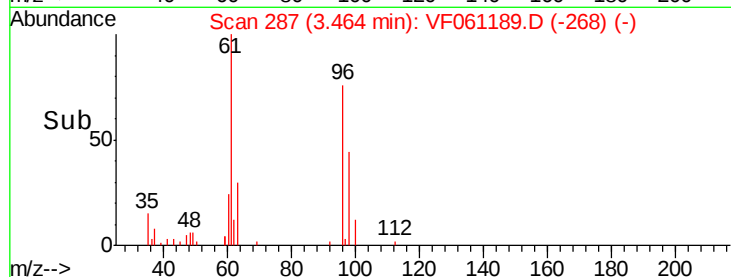
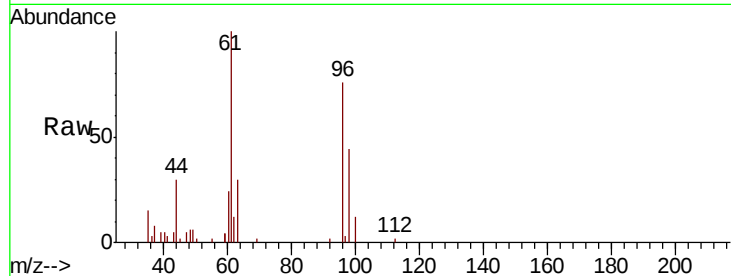
cis-1,2-Dichloroethene
Concen: 43.321 ug/l
RT: 3.46 min Scan# 287
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion:	96	Resp:	11112
Ion	Ratio	Lower	Upper
96	100		
61	132.2	0.0	287.8
98	58.3	0.0	134.2

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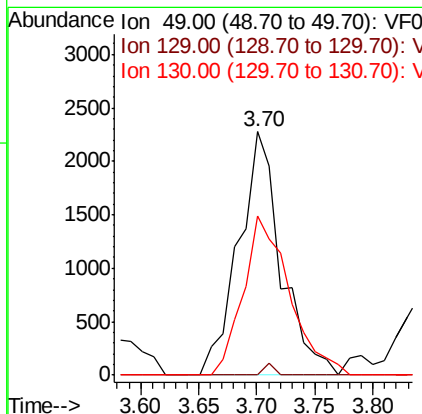
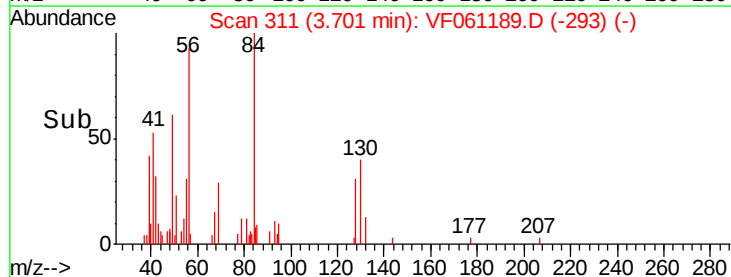
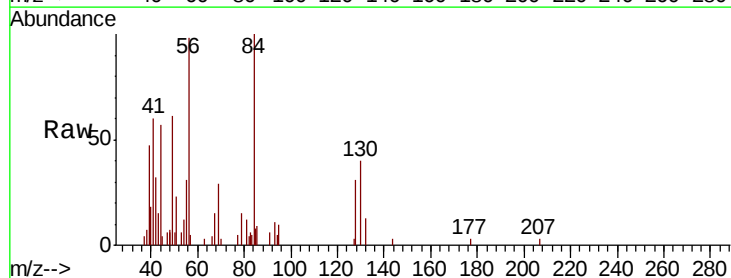
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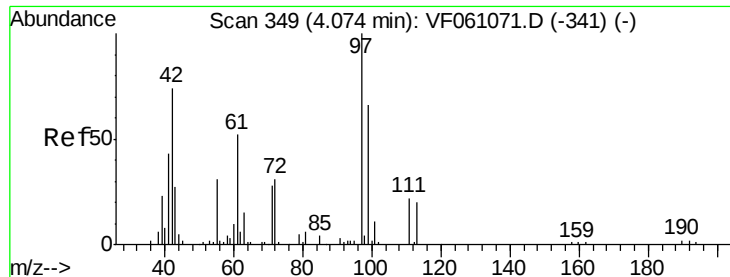


#28

Bromochloromethane
Concen: 35.289 ug/l
RT: 3.70 min Scan# 311
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion:	49	Resp:	5761
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	65.5	65.8	98.6#





#29

Tetrahydrofuran

Concen: 116.307 ug/l

RT: 4.06 min Scan# 347

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

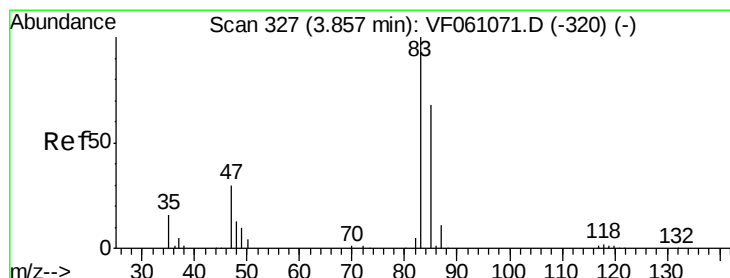
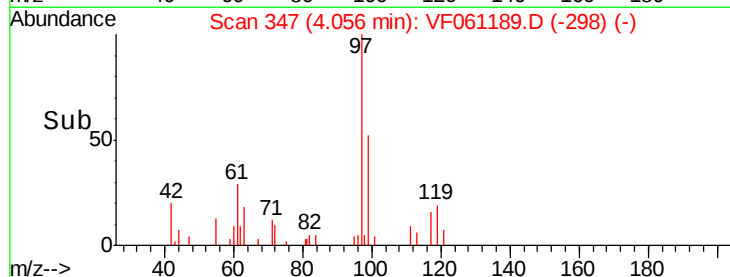
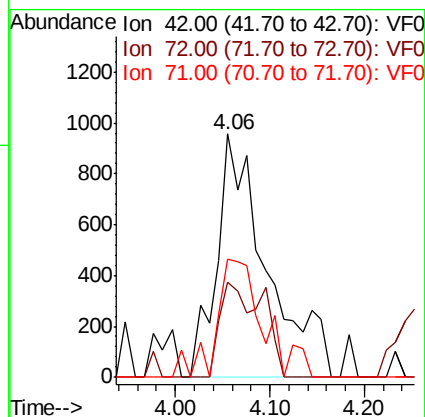
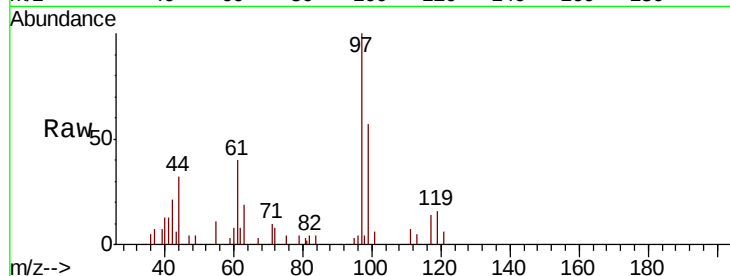
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	42	Resp:	3508
Ion	Ratio	Lower	Upper
42	100		
72	33.1	31.8	47.8
71	43.9	29.7	44.5

Manual Integrations
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#30

Chloroform

Concen: 42.854 ug/l

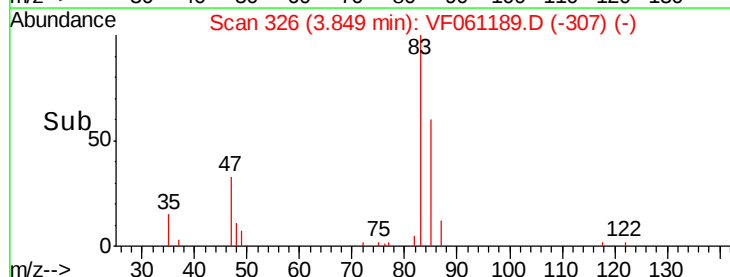
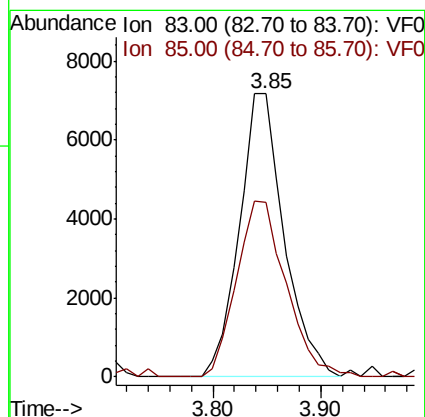
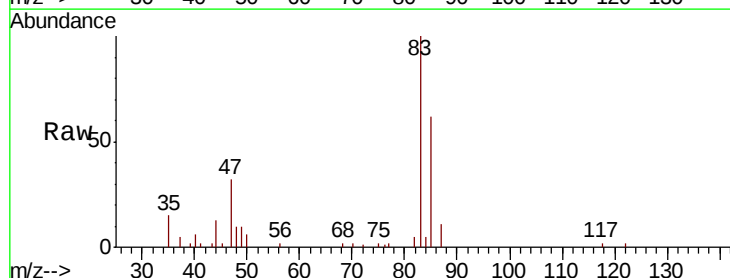
RT: 3.85 min Scan# 326

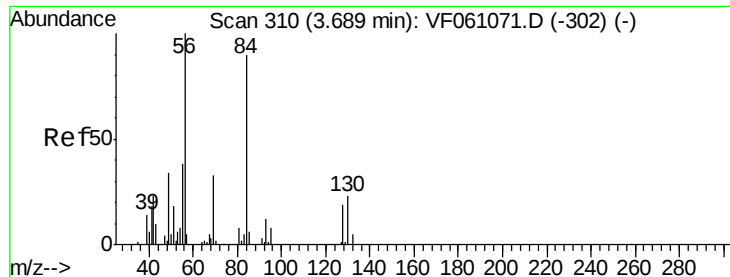
Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	83	Resp:	20674
Ion	Ratio	Lower	Upper
83	100		
85	61.6	54.5	81.7





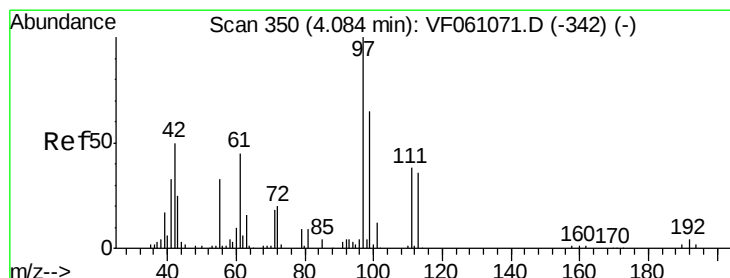
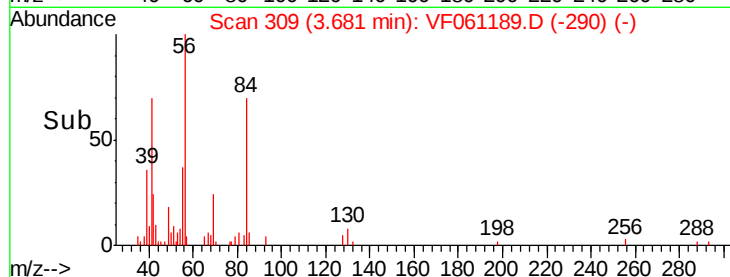
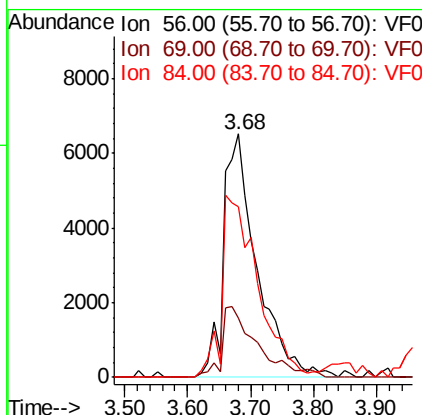
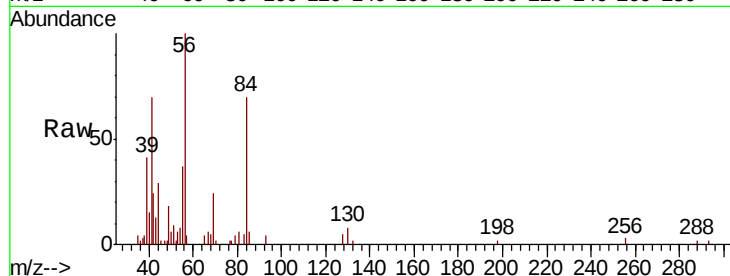
#31
Cyclohexane
Concen: 71.455 ug/l
RT: 3.68 min Scan# 309
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	24.1	26.0	39.0#
84	70.2	71.4	107.2#

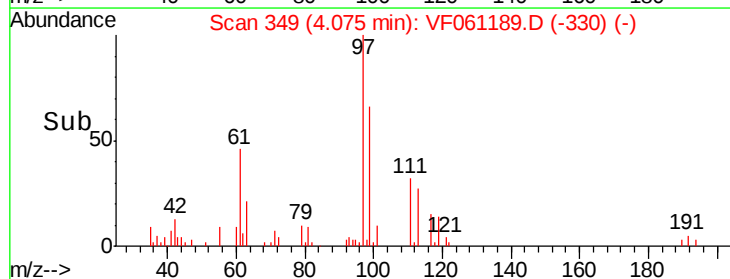
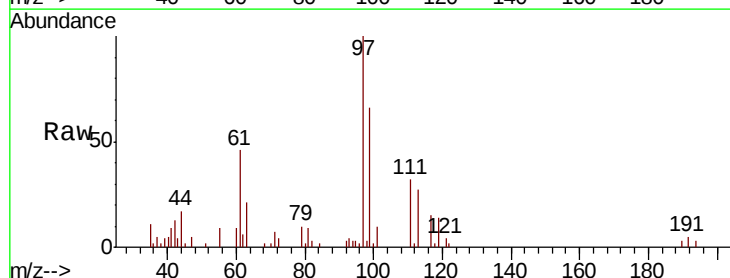
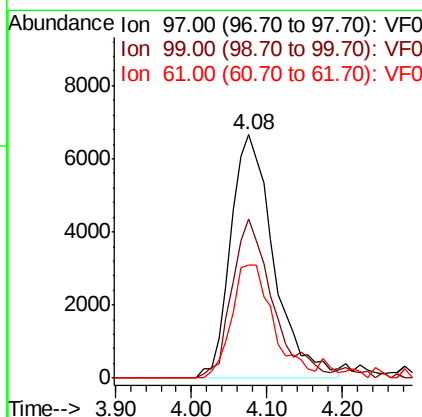
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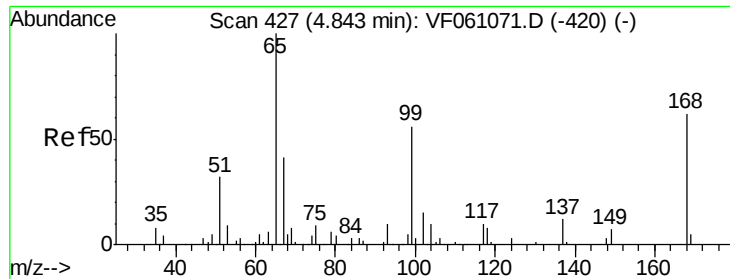
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#32
1,1,1-Trichloroethane
Concen: 91.082 ug/l
RT: 4.08 min Scan# 349
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	51.6	77.4
61	46.2	36.2	54.2





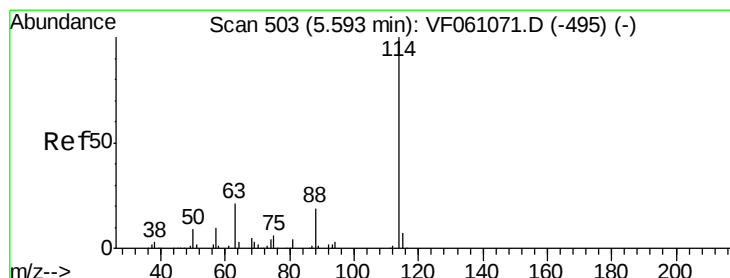
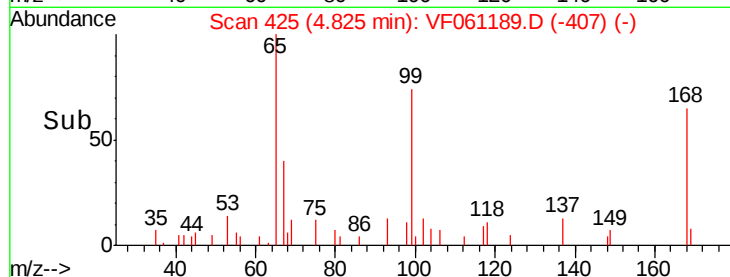
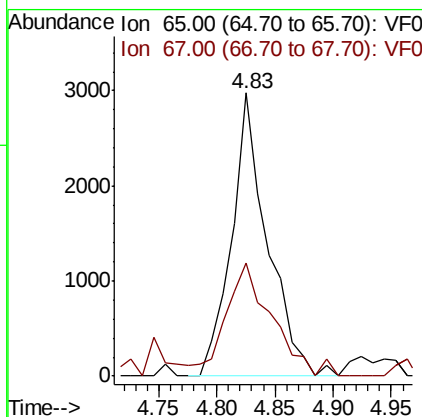
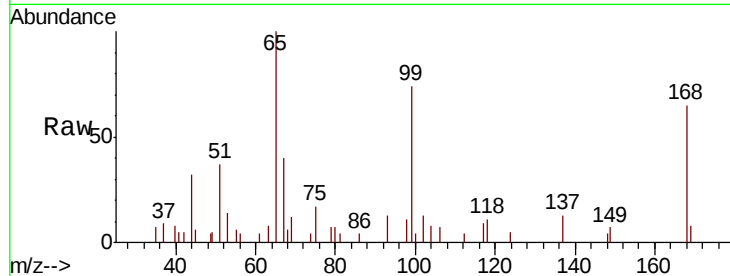
#33
 1,2-Dichloroethane-d4
 Concen: 27.786 ug/l
 RT: 4.83 min Scan# 425
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100	6351		
67	40.1	0.0	94.6	

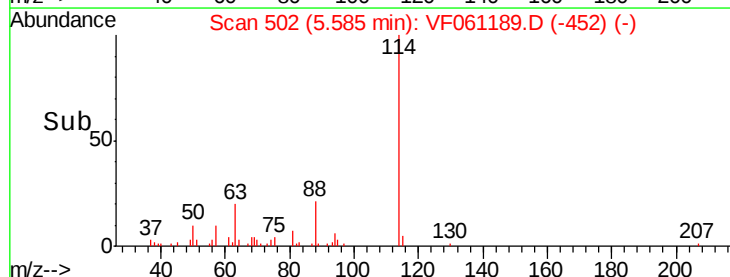
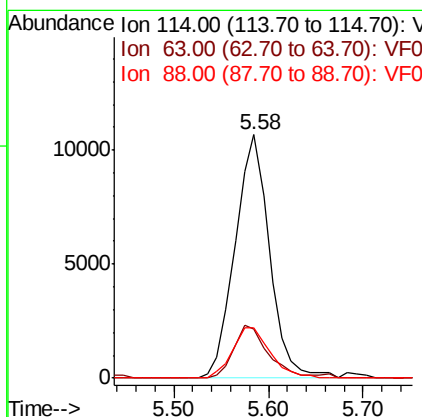
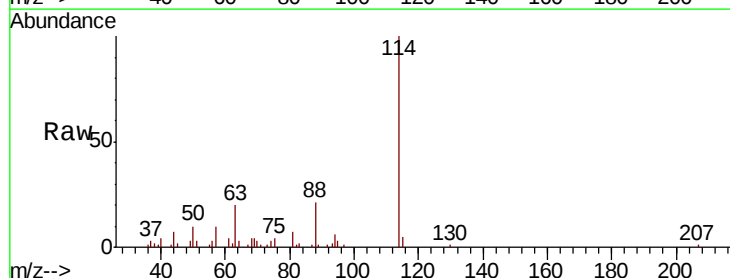
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.58 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	26988		
63	20.0	0.0	41.6	
88	20.7	0.0	38.0	





#35

Dibromofluoromethane

Concen: 46.265 ug/l

RT: 4.09 min Scan# 350

Delta R.T. -0.03 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

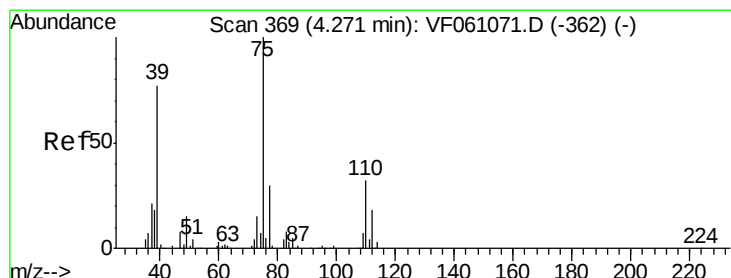
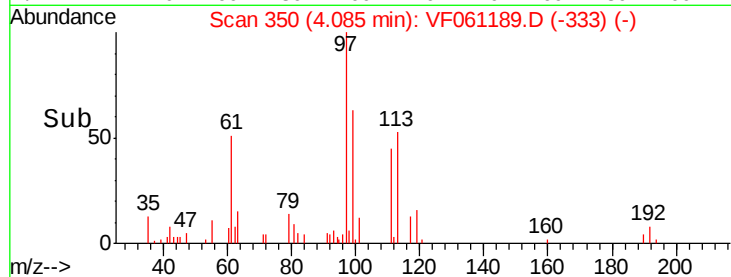
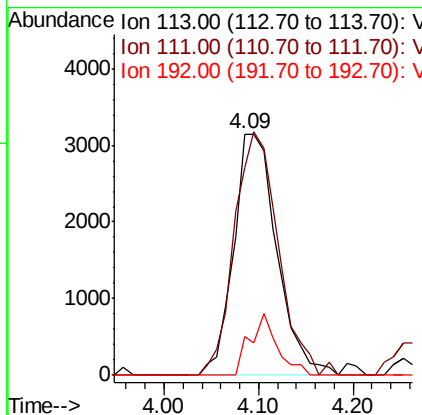
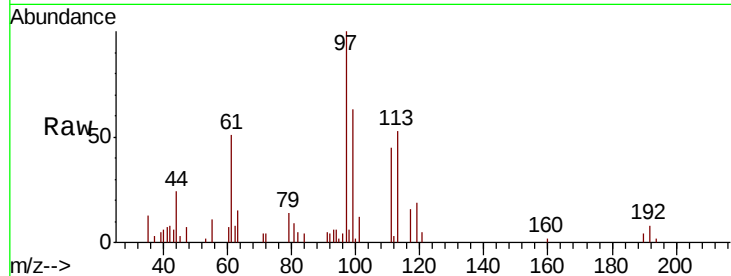
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	113	Resp:	10002
Ion	Ratio	Lower	Upper
113	100		
111	86.2	85.2	127.8
192	15.9	12.8	19.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 67.611 ug/l

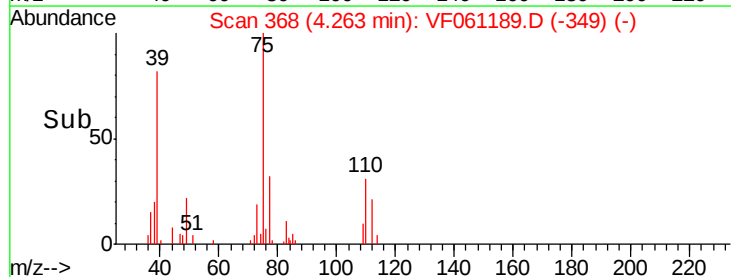
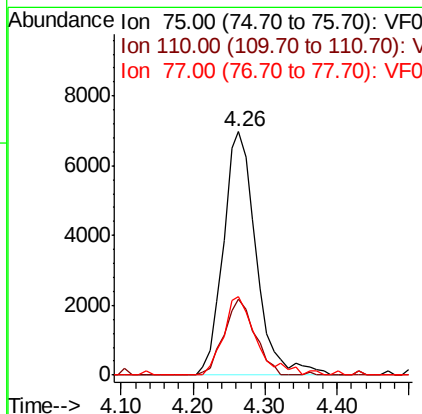
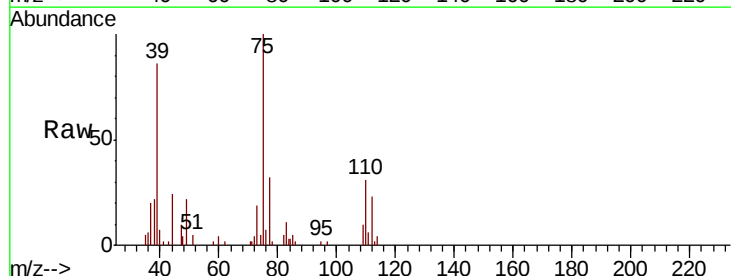
RT: 4.26 min Scan# 368

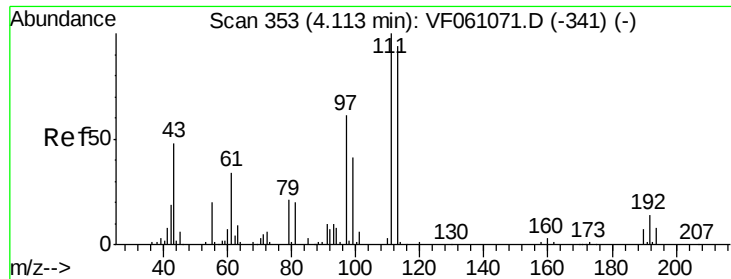
Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	75	Resp:	22025
Ion	Ratio	Lower	Upper
75	100		
110	31.0	16.1	48.2
77	32.2	24.5	36.7





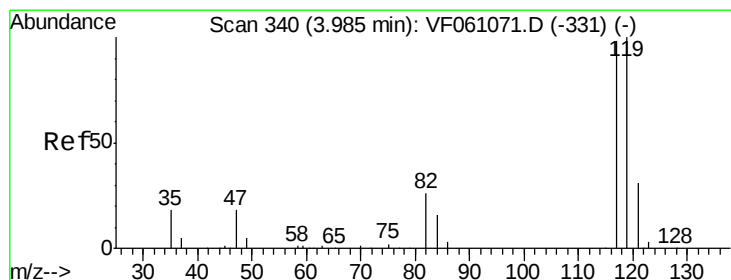
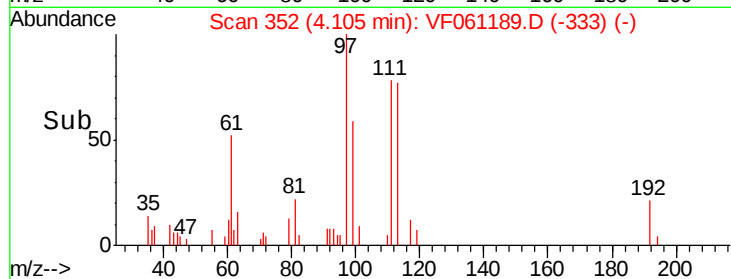
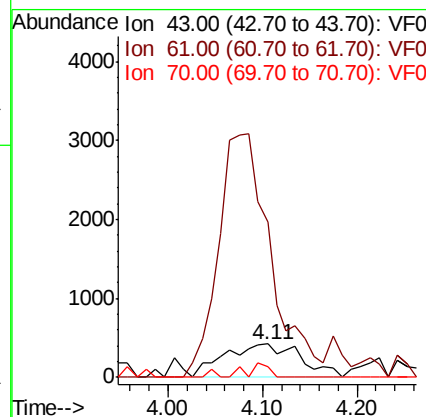
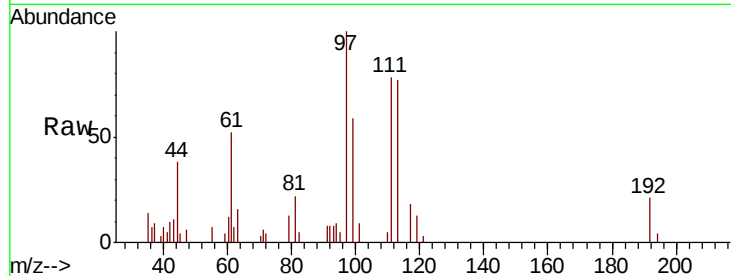
#37
Ethyl Acetate
Concen: 16.616 ug/l
RT: 4.11 min Scan# 352
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	461.9	56.6	84.8#
70	30.6	6.3	9.5#

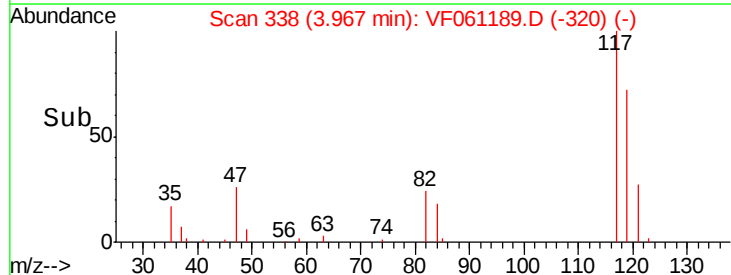
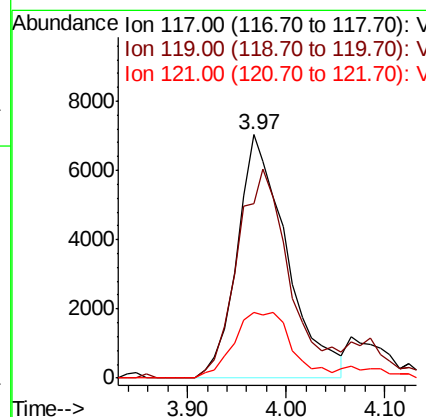
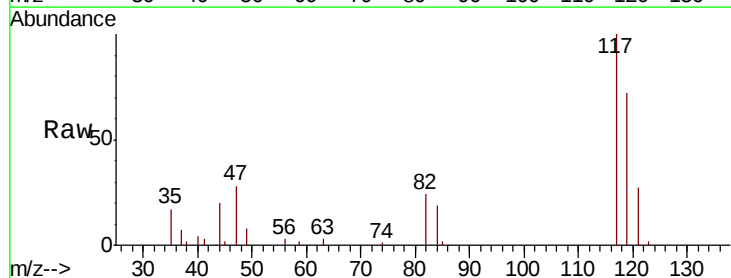
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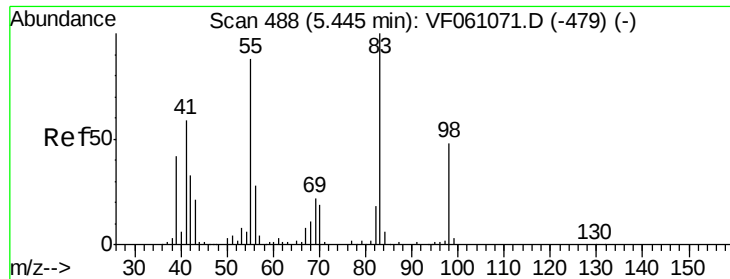
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#38
Carbon Tetrachloride
Concen: 98.915 ug/l m
RT: 3.97 min Scan# 338
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	71.7	82.1	123.1#
121	26.9	25.5	38.3





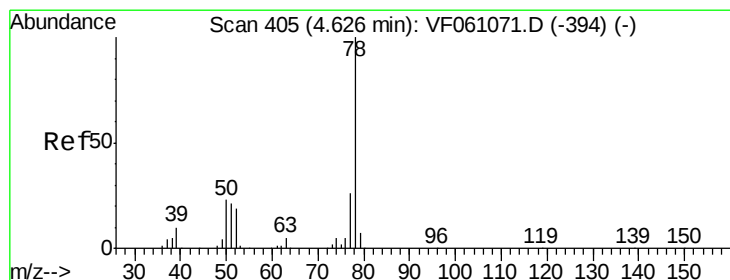
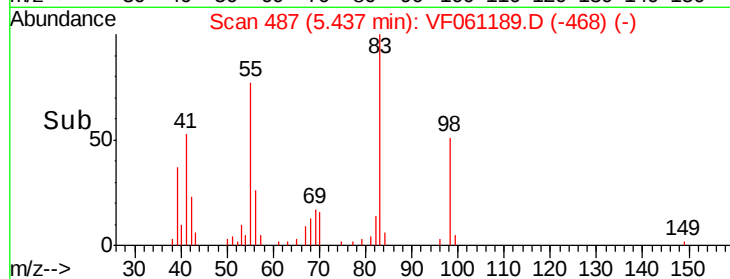
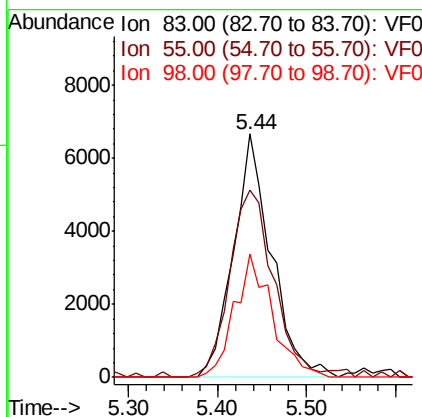
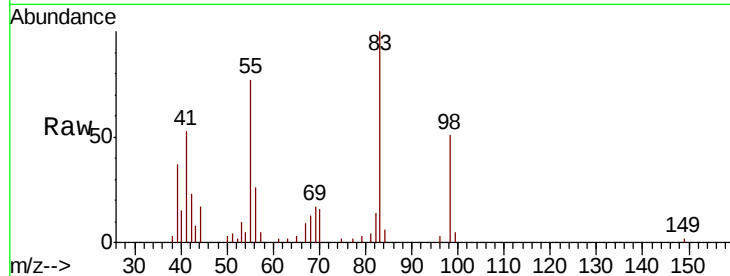
#39
Methvlcvclohexane
Concen: 67.510 ug/l
RT: 5.44 min Scan# 487
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.8	70.6	105.8
98	50.7	38.5	57.7

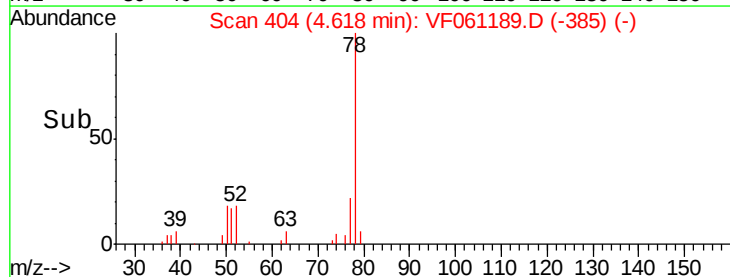
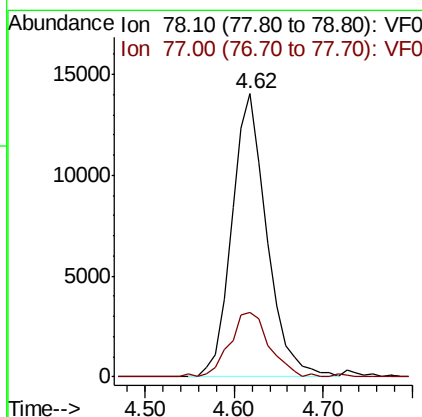
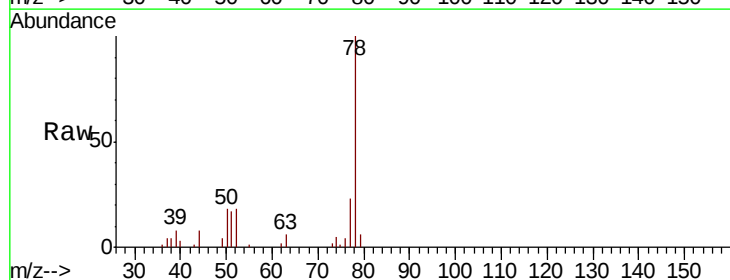
Manual Integrations
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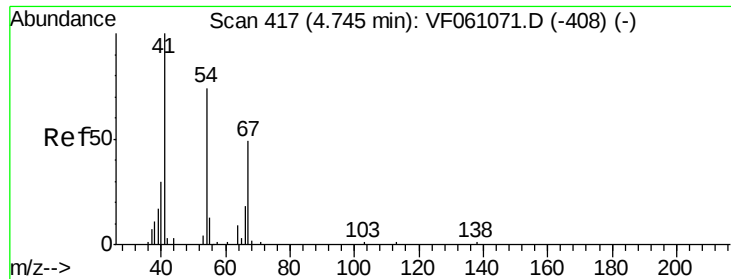
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#40
Benzene
Concen: 54.946 ug/l
RT: 4.62 min Scan# 404
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	20.7	31.1





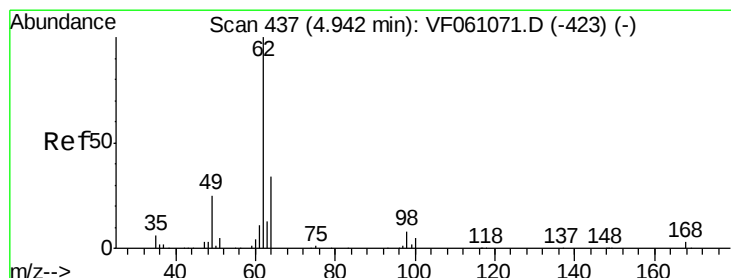
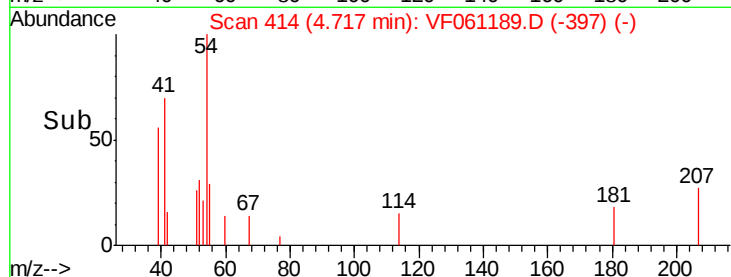
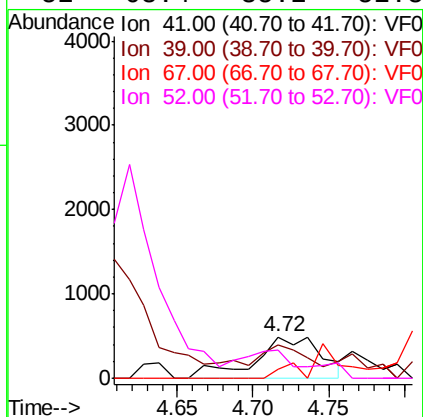
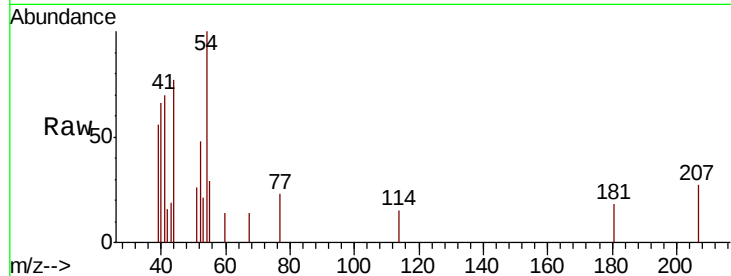
#41
Methacrylonitrile
Concen: 21.919 ug/l
RT: 4.72 min Scan# 414
Delta R.T. -0.03 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.3	45.7	68.5#
67	20.7	38.9	58.3#
52	68.4	35.2	52.8#

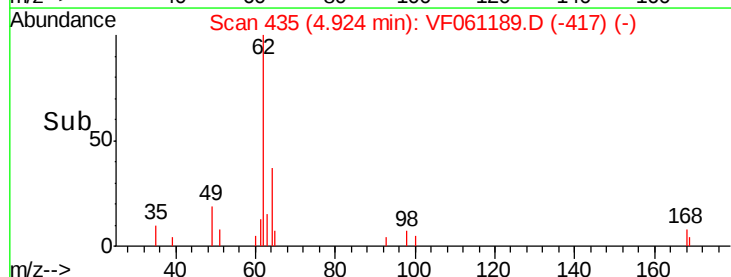
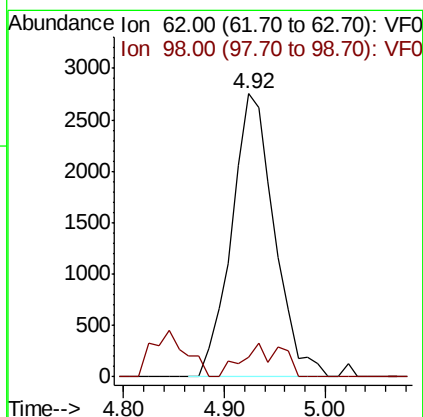
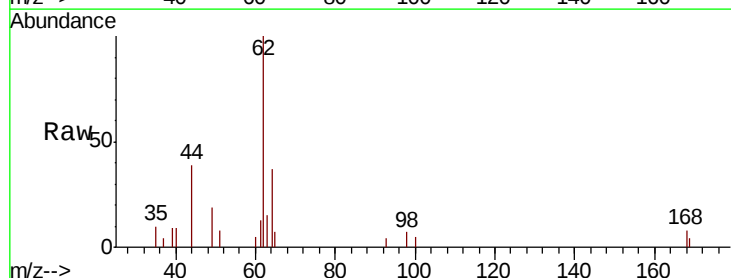
Manual Integrations
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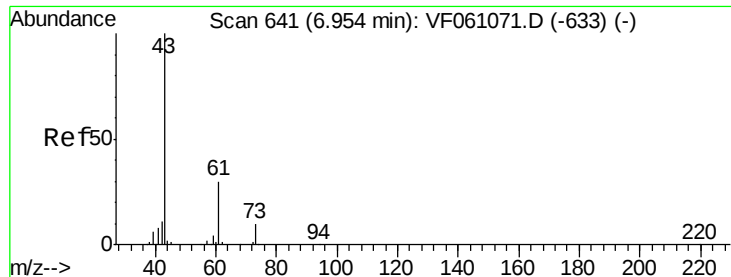
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#42
1,2-Dichloroethane
Concen: 30.403 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.8	0.0	16.6





#43

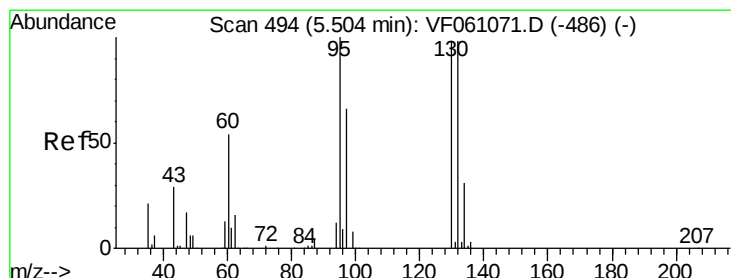
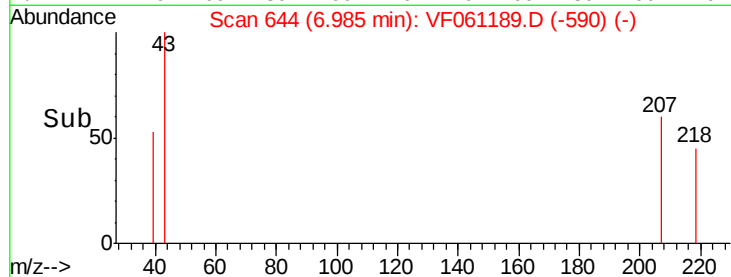
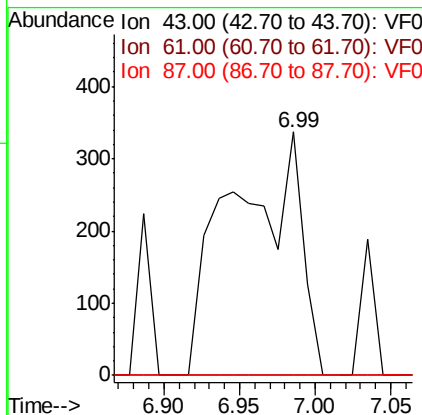
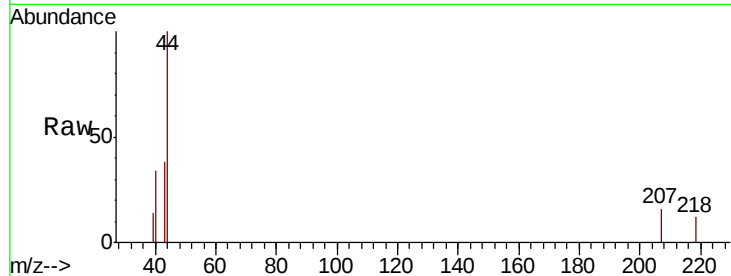
Isopropyl Acetate
 Concen: 6.790 ug/l
 RT: 6.99 min Scan# 644
 Delta R.T. 0.03 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.0	0.0

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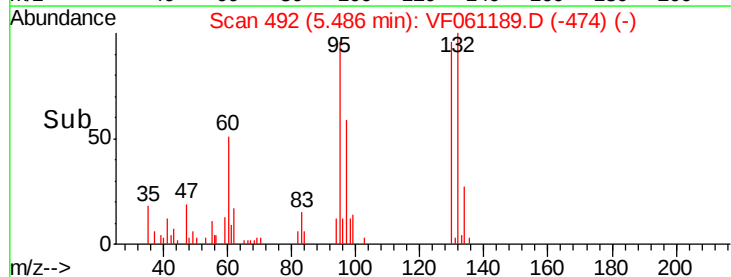
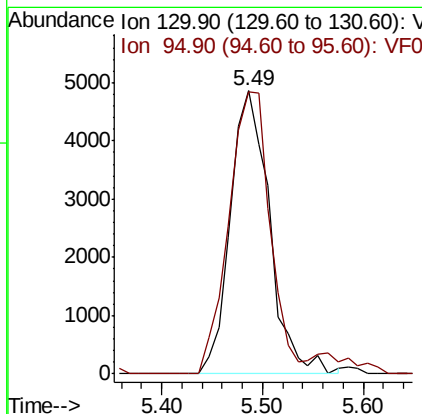
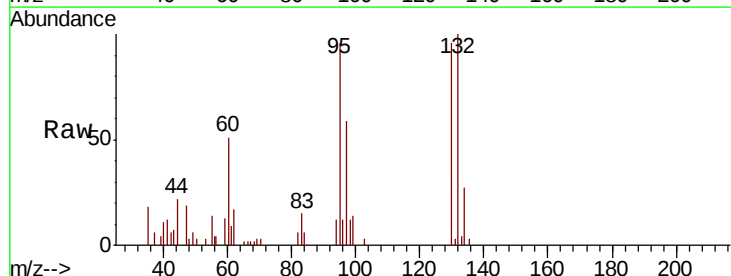
apatel
 12/27/2018 4:18:59 PM



#44

Trichloroethene
 Concen: 59.547 ug/l
 RT: 5.49 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	205.2





#45

1,2-Dichloropropane

Concen: 35.236 ug/l

RT: 6.22 min Scan# 566

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 63 Resp: 6716

Ion Ratio Lower Upper

63 100

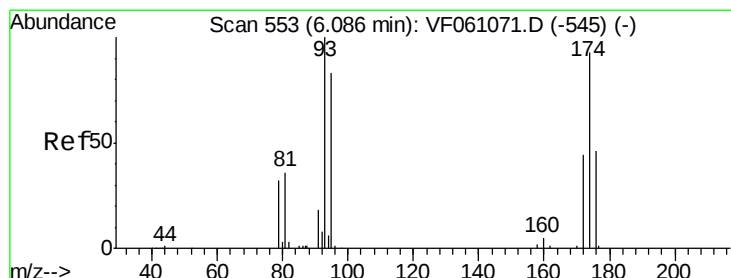
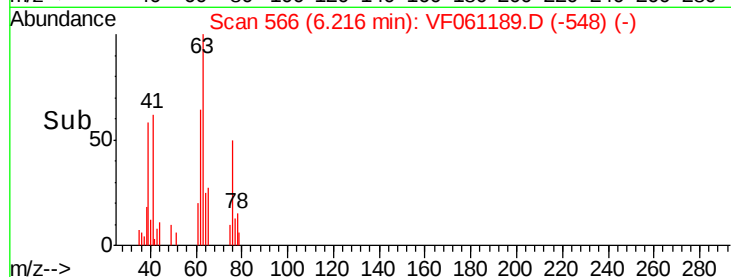
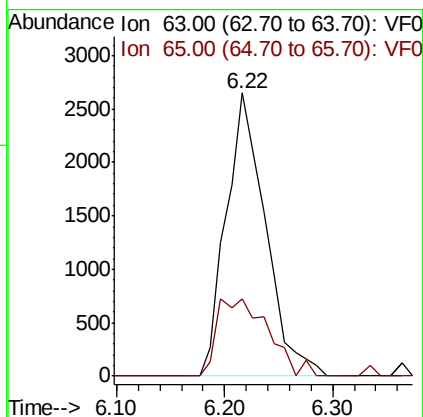
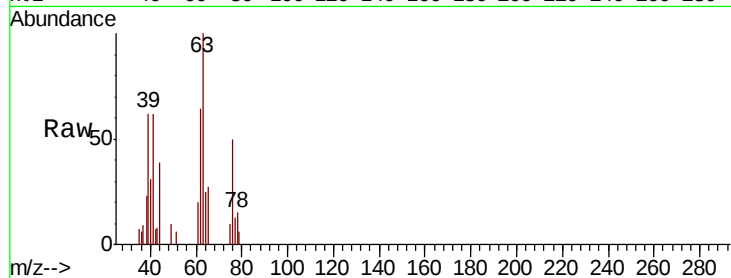
65 27.2 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 25.595 ug/l

RT: 6.07 min Scan# 551

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

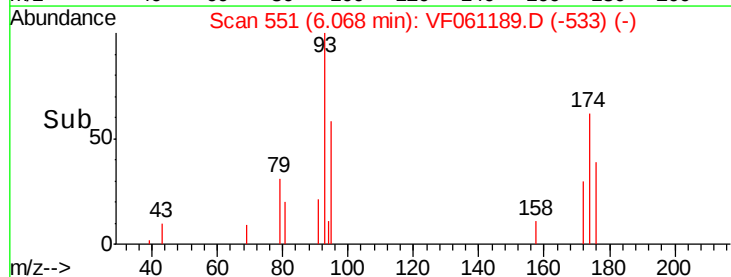
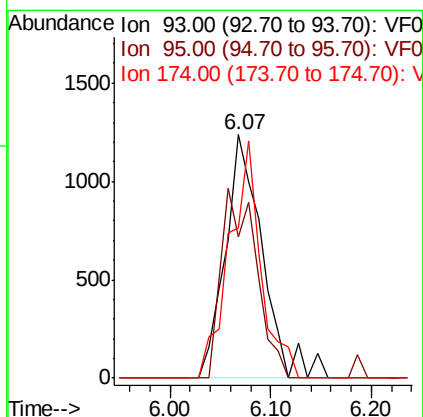
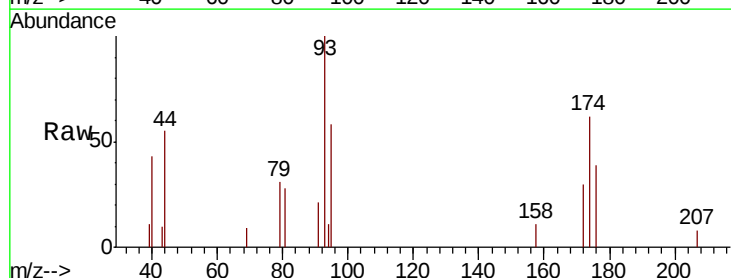
Tgt Ion: 93 Resp: 3164

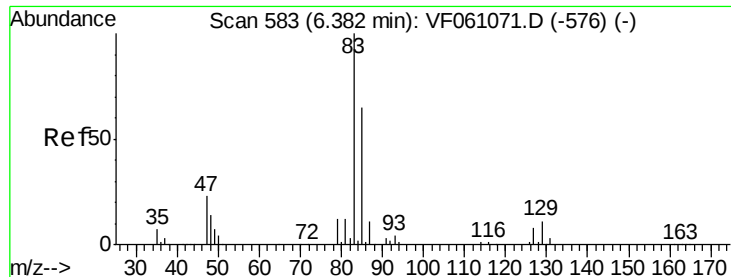
Ion Ratio Lower Upper

93 100

95 58.1 66.9 100.3#

174 61.7 74.1 111.1#





#47

Bromodichloromethane

Concen: 34.739 ug/l

RT: 6.36 min Scan# 581

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

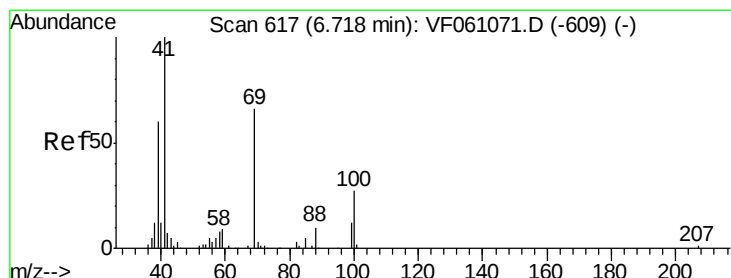
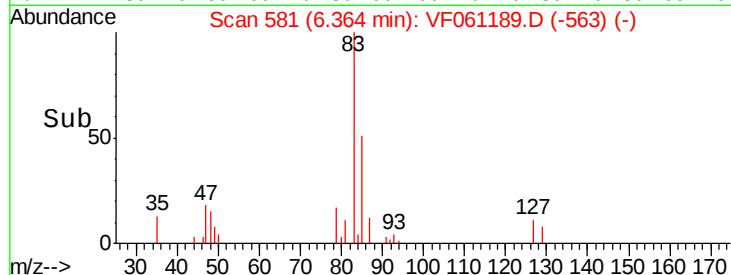
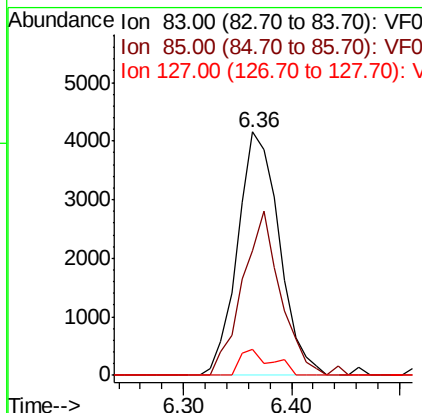
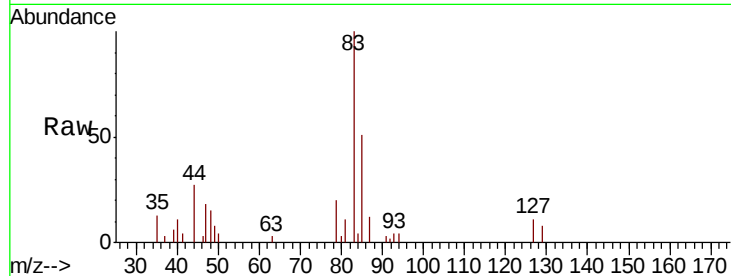
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	83	Resp:	11158
Ion	Ratio	Lower	Upper
83	100		
85	51.4	52.2	78.4#
127	10.7	6.1	9.1#

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.248 ug/l

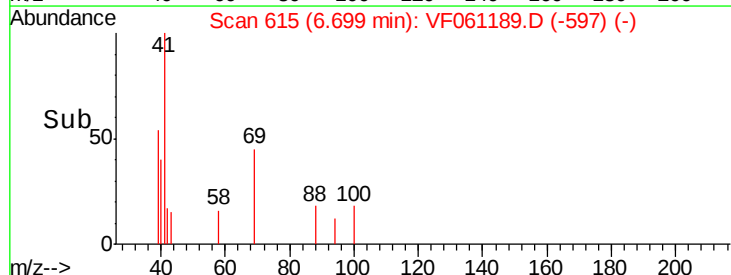
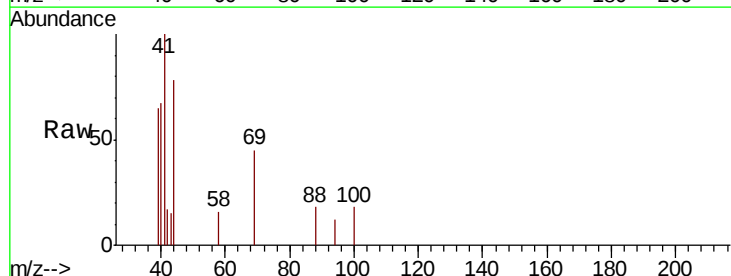
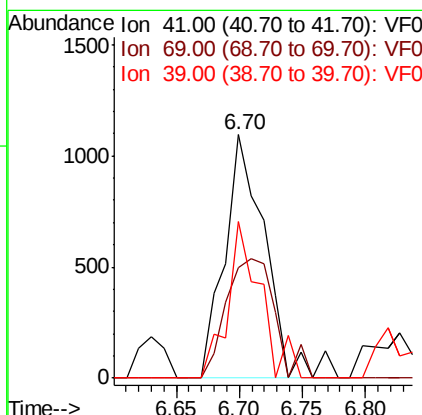
RT: 6.70 min Scan# 615

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	41	Resp:	2443
Ion	Ratio	Lower	Upper
41	100		
69	45.4	52.7	79.1#
39	64.5	47.8	71.6





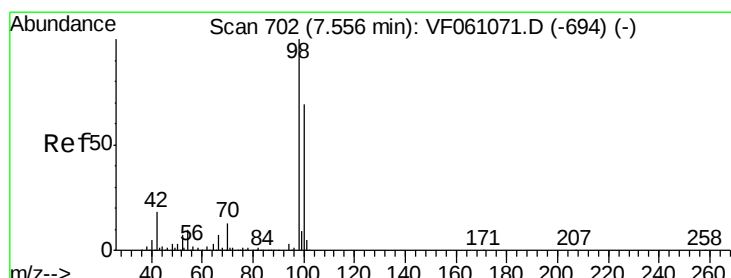
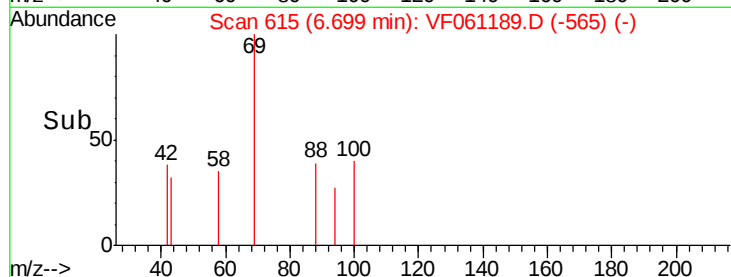
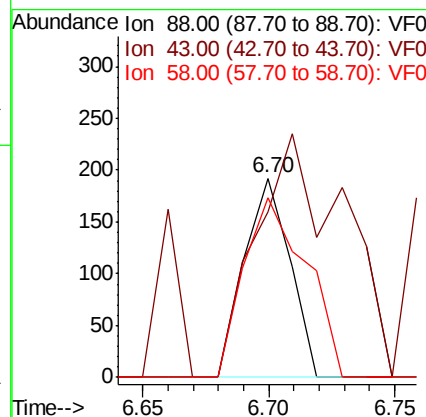
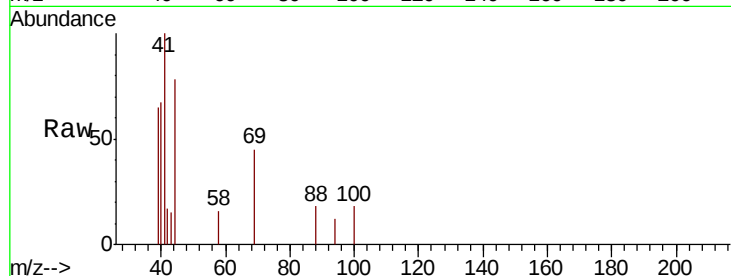
#49
1,4-Dioxane
Concen: 303.726 ug/l
RT: 6.70 min Scan# 615
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	83.3	33.3	49.9#
58	90.1	53.2	79.8#

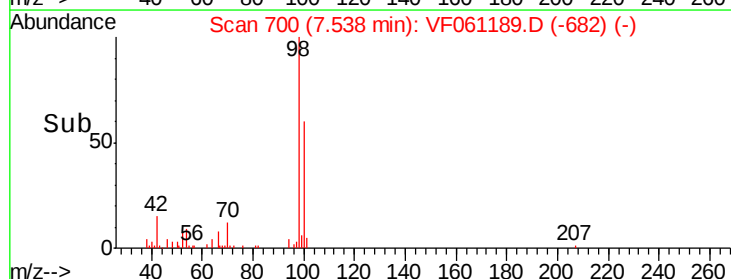
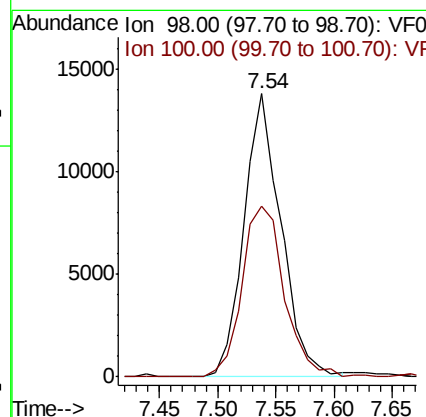
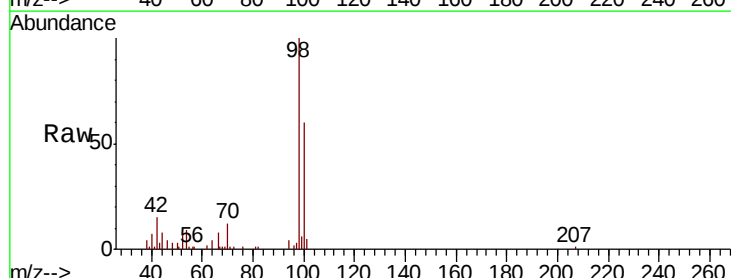
Manual Integrations
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#50
Toluene-d8
Concen: 49.684 ug/l
RT: 7.54 min Scan# 700
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	60.2	55.3	82.9





#51

4-Methyl-2-Pentanone

Concen: 35.837 ug/l

RT: 8.25 min Scan# 772

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 43 Resp: 3866

Ion Ratio Lower Upper

43 100

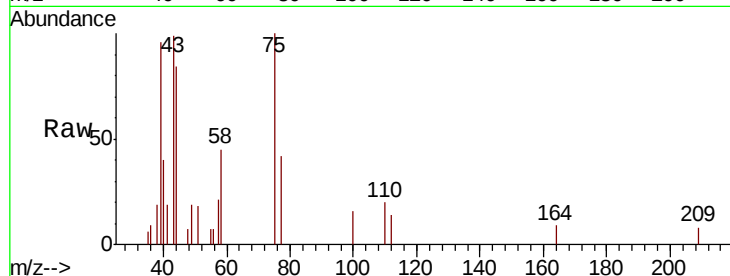
58 45.1 29.1 43.7#

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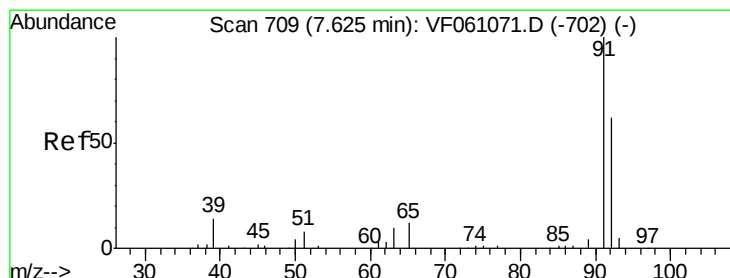
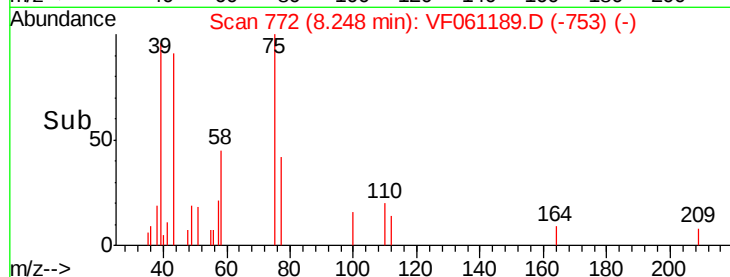
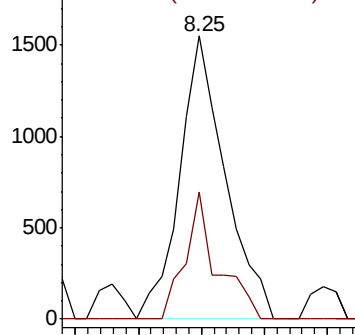
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Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 49.977 ug/l

RT: 7.61 min Scan# 707

Delta R.T. -0.02 min

Lab File: VF061189.D

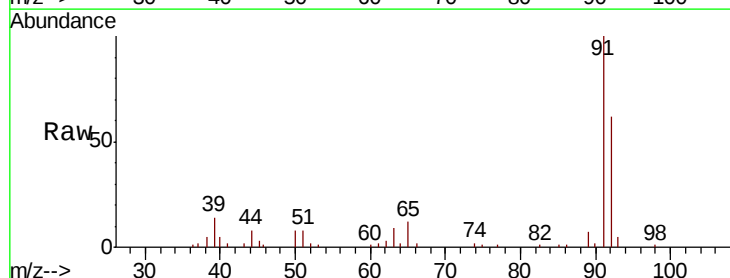
Acq: 26 Dec 2018 15:38

Tgt Ion: 92 Resp: 23176

Ion Ratio Lower Upper

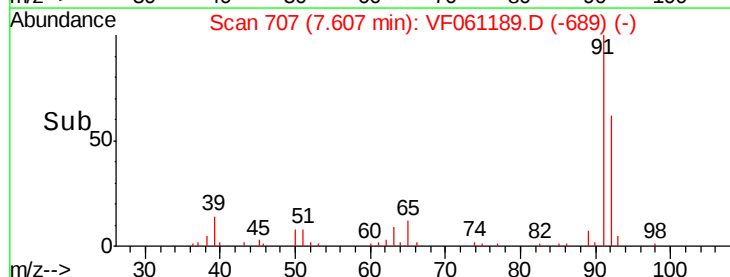
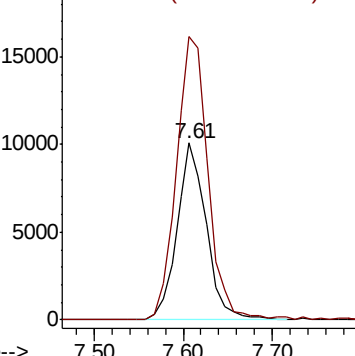
92 100

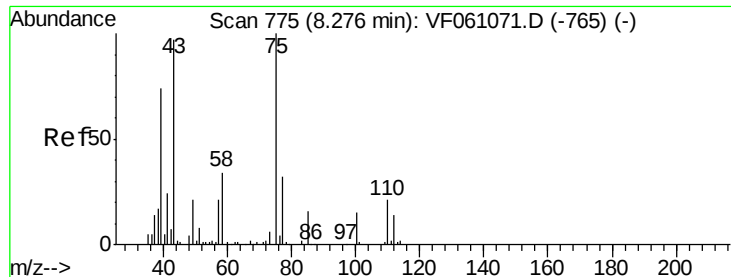
91 160.3 128.8 193.2



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: 23.249 ug/l

RT: 8.27 min Scan# 774

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 75 Resp: 6024

Ion Ratio Lower Upper

75 100

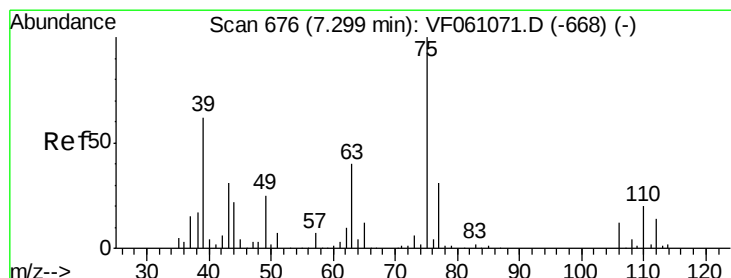
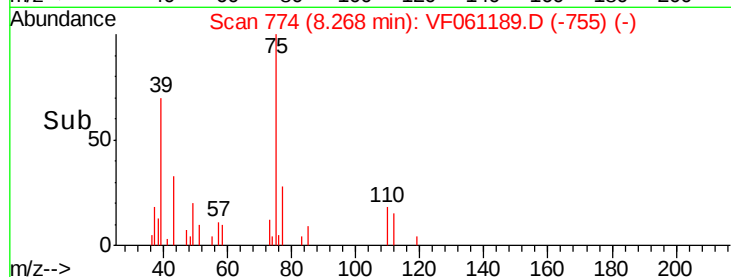
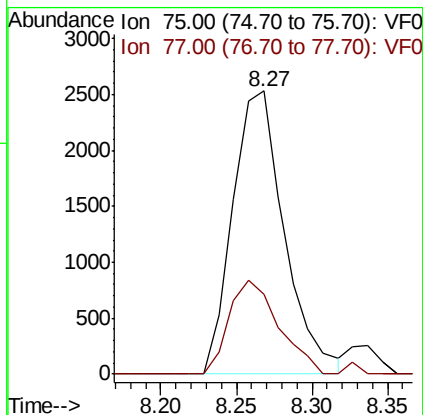
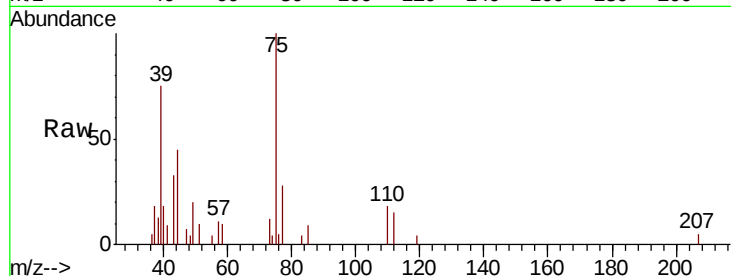
77 28.1 25.8 38.8

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#54

cis-1,3-Dichloropropene

Concen: 31.629 ug/l

RT: 7.28 min Scan# 674

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

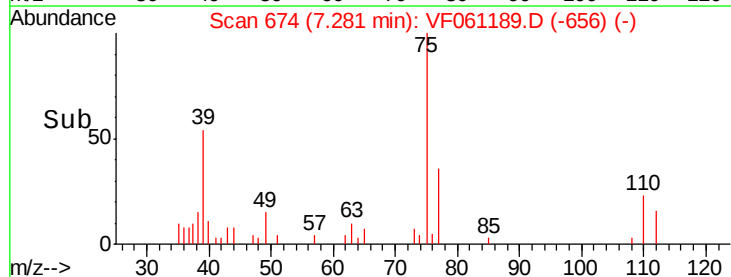
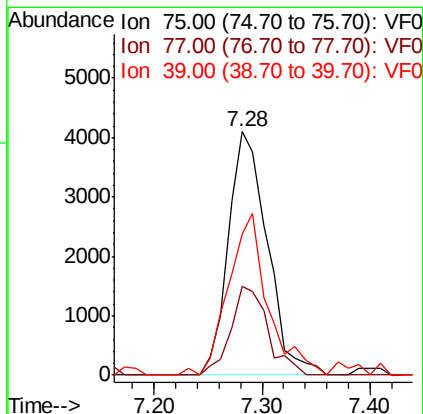
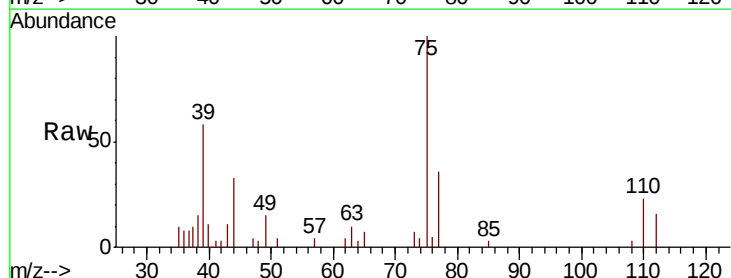
Tgt Ion: 75 Resp: 10286

Ion Ratio Lower Upper

75 100

77 36.4 25.0 37.4

39 57.8 50.1 75.1





#55

1,1,2-Trichloroethane

Concen: 25.450 ug/l

RT: 8.47 min Scan# 795

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

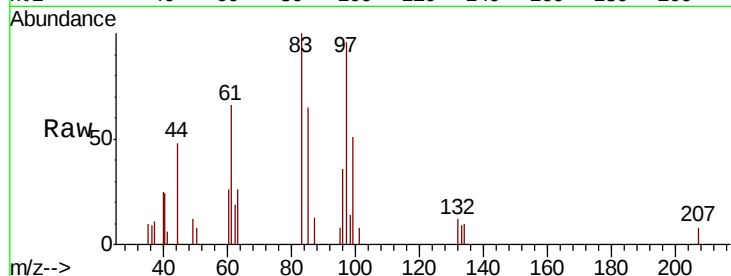
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	97	Resp:	3538
Ion	Ratio	Lower	Upper
97	100		
83	103.8	75.0	112.4
85	67.0	47.5	71.3
99	53.4	51.9	77.9

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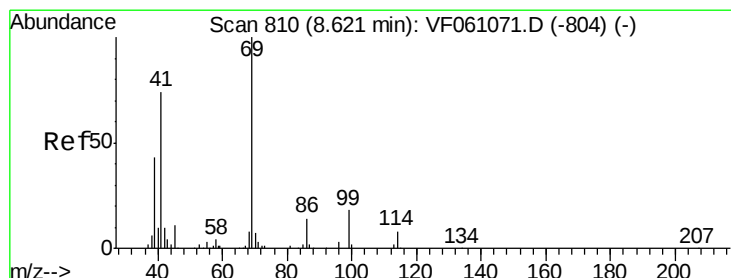
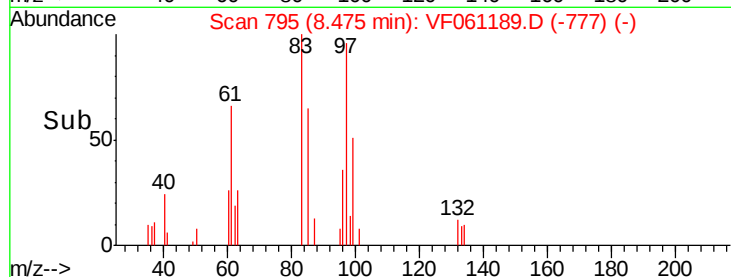
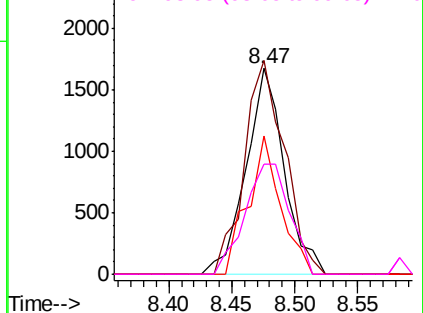


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 3.084 ug/l

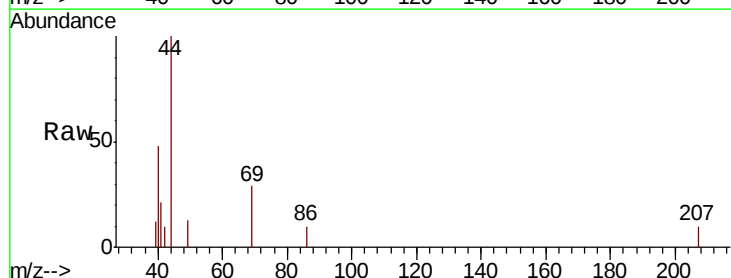
RT: 8.62 min Scan# 810

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

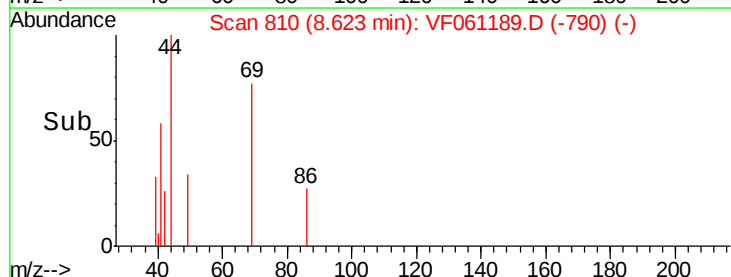
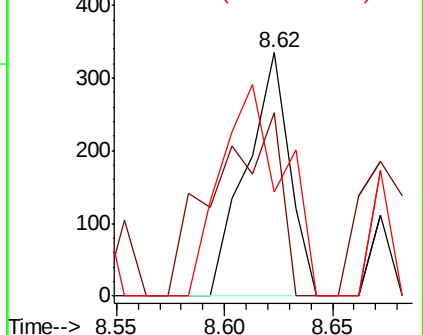
Tgt Ion:	69	Resp:	464
Ion	Ratio	Lower	Upper
69	100		
41	75.2	59.7	89.5
39	42.7	35.0	52.6

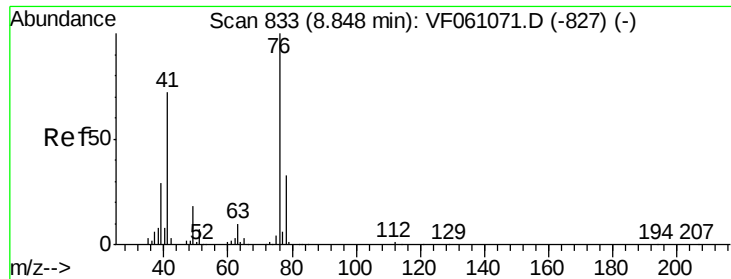


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 24.141 ug/l

RT: 8.84 min Scan# 832

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 76 Resp: 6070

Ion Ratio Lower Upper

76 100

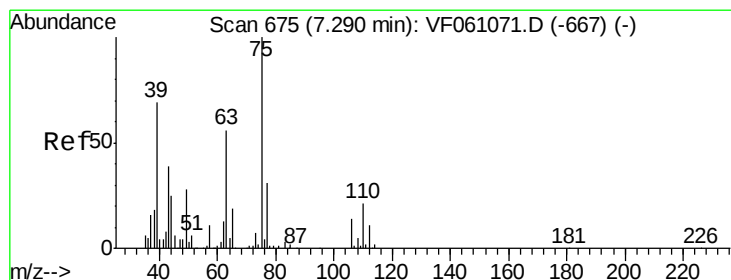
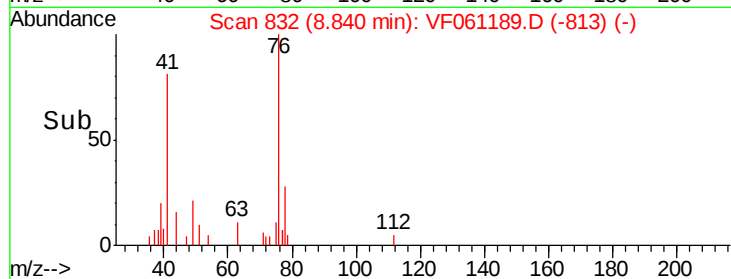
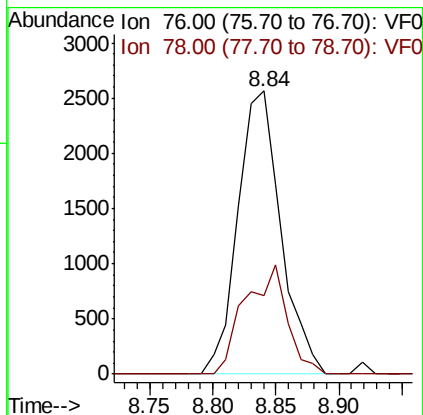
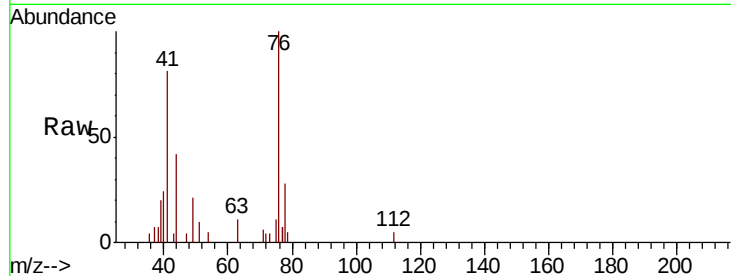
78 27.9 26.5 39.7

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#58

2-Chloroethyl Vinyl ether

Concen: 37.347 ug/l

RT: 7.27 min Scan# 673

Delta R.T. -0.02 min

Lab File: VF061189.D

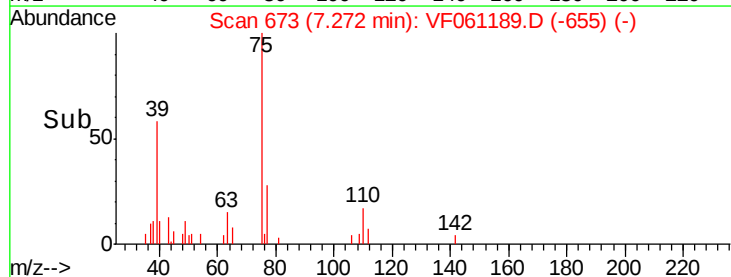
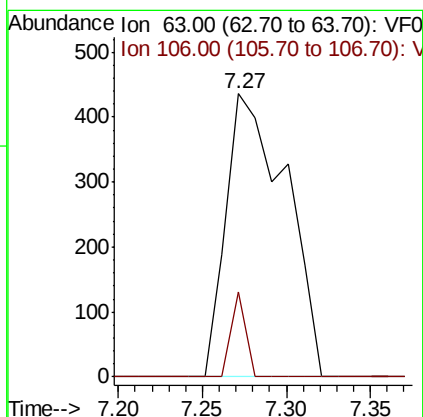
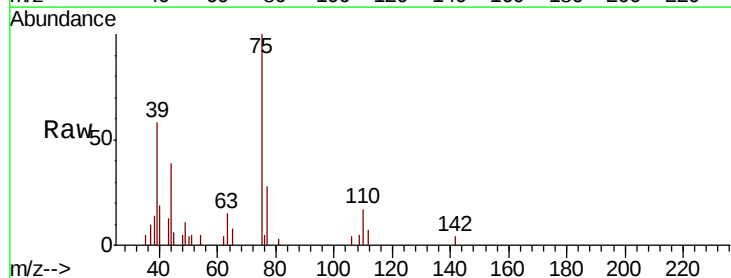
Acq: 26 Dec 2018 15:38

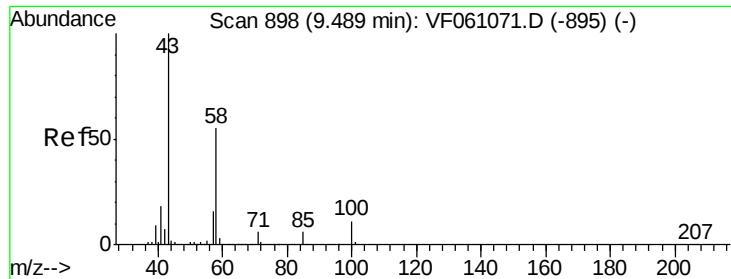
Tgt Ion: 63 Resp: 1079

Ion Ratio Lower Upper

63 100

106 29.8 19.8 29.8#





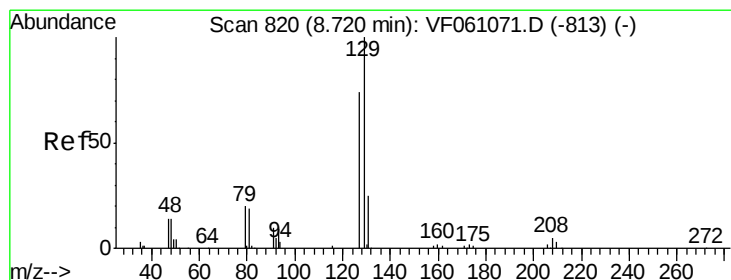
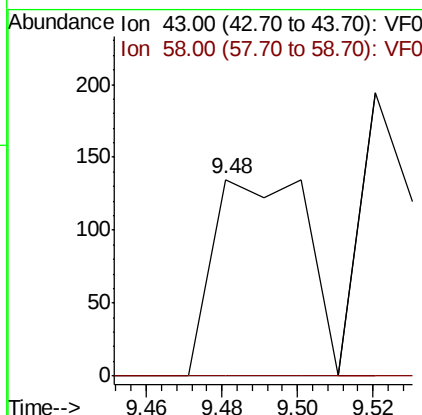
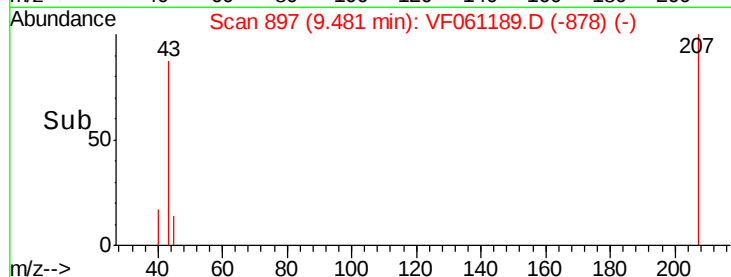
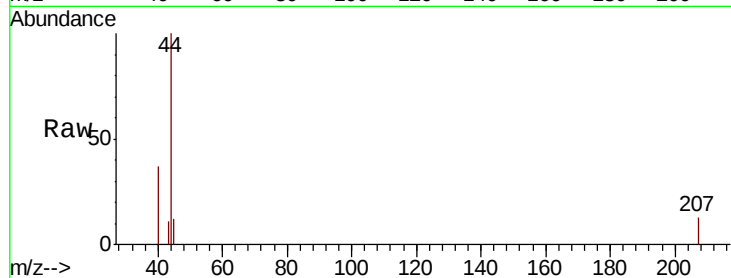
#59
2-Hexanone
Concen: 2.974 ug/l
RT: 9.48 min Scan# 897
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion: 43 Resp: 232
Ion Ratio Lower Upper
43 100
58 0.0 25.1 75.2#

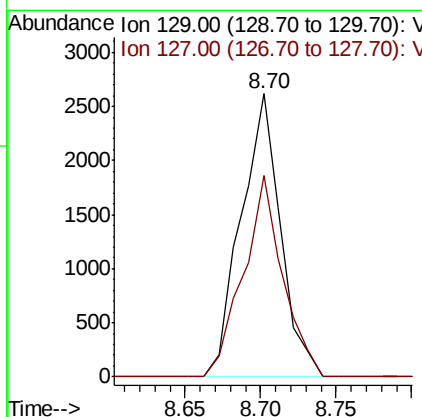
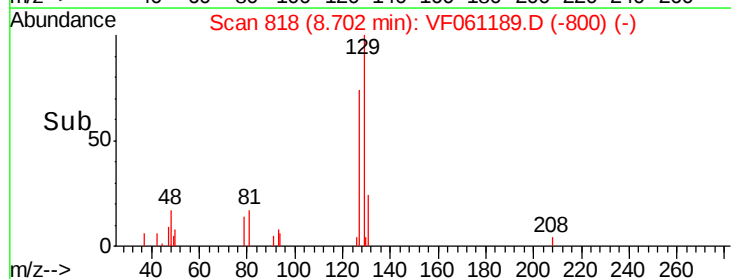
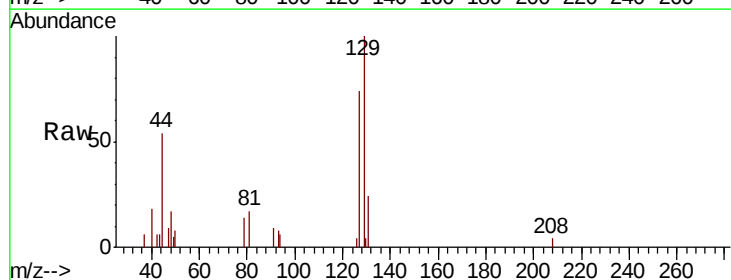
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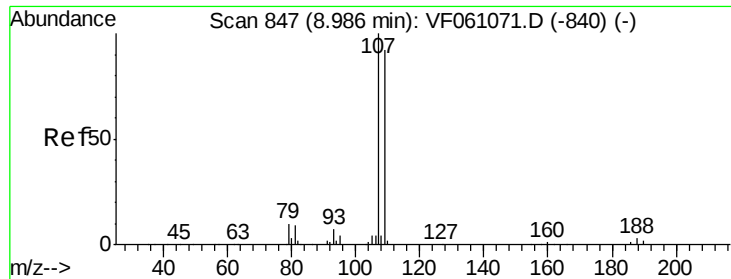
apatel
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#60
Dibromochloromethane
Concen: 23.896 ug/l
RT: 8.70 min Scan# 818
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion: 129 Resp: 4762
Ion Ratio Lower Upper
129 100
127 71.0 36.8 110.3





#61

1,2-Dibromoethane

Concen: 21.411 ug/l

RT: 8.97 min Scan# 845

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:107 Resp: 3179

Ion Ratio Lower Upper

107 100

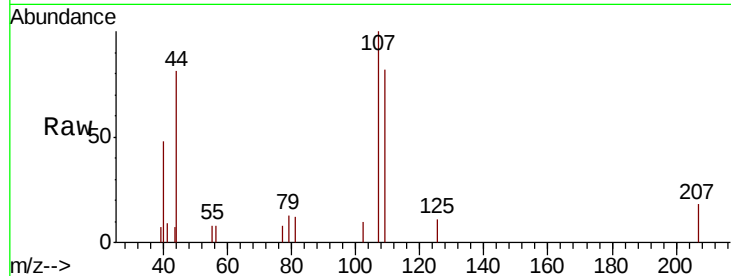
109 82.0 73.7 110.5

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Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.97

1500

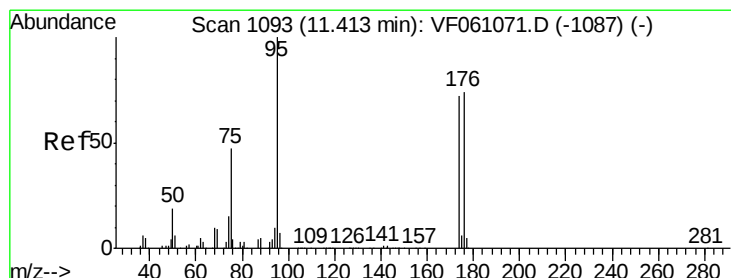
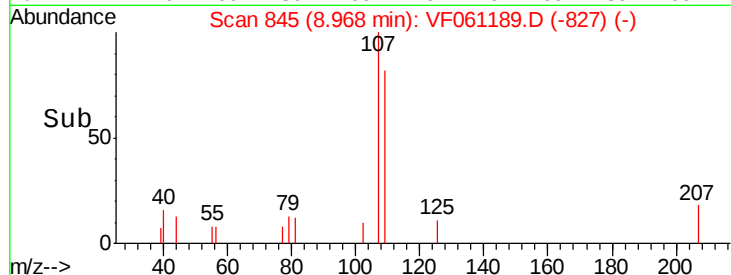
1000

500

0

8.90 8.95 9.00 9.05

Time-->



#62

4-Bromofluorobenzene

Concen: 27.361 ug/l

RT: 11.39 min Scan# 1091

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

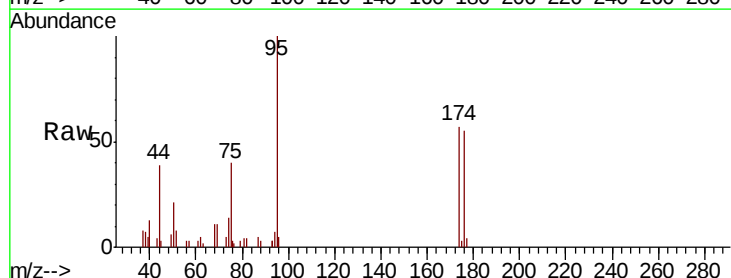
Tgt Ion: 95 Resp: 7728

Ion Ratio Lower Upper

95 100

174 60.4 0.0 143.8

176 55.1 0.0 147.6



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

11.39

5000

4000

3000

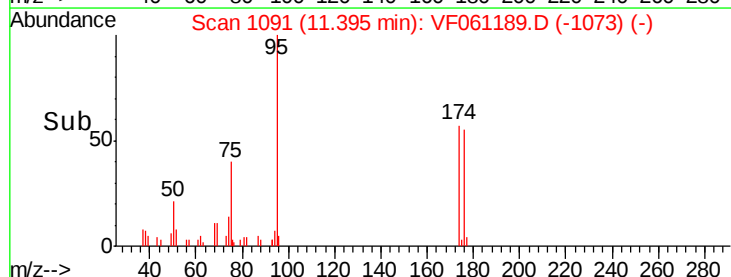
2000

1000

0

11.30 11.40 11.50

Time-->





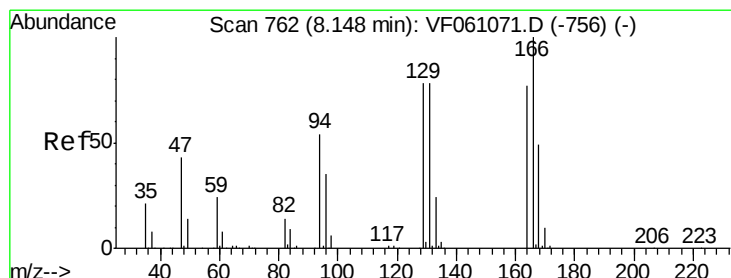
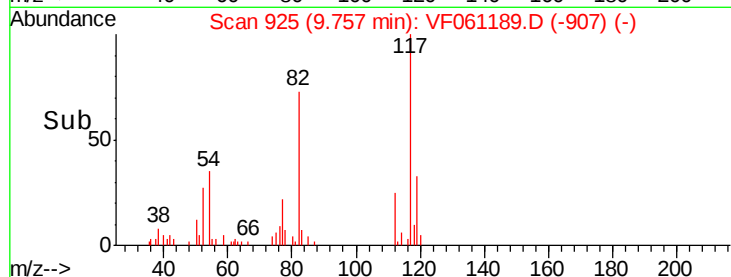
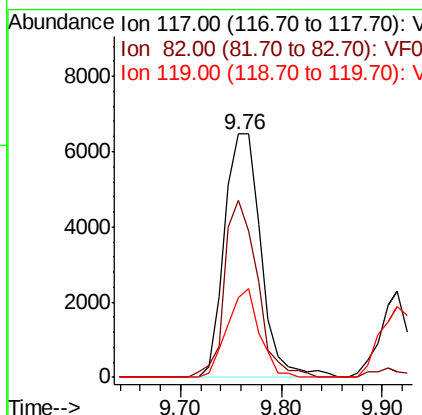
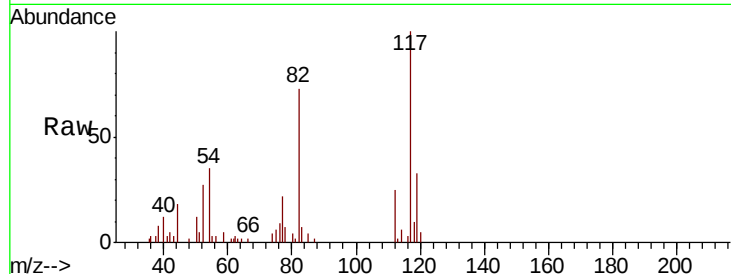
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.76 min Scan# 925
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.5	45.0	67.4#
119	33.0	24.8	37.2

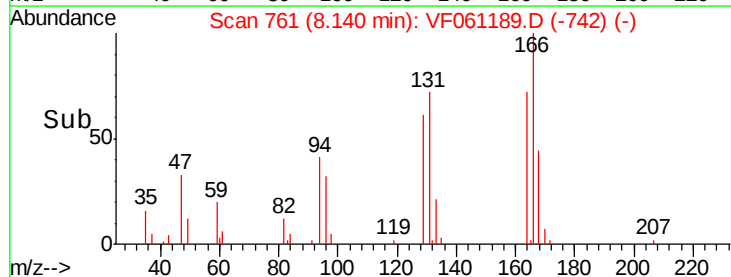
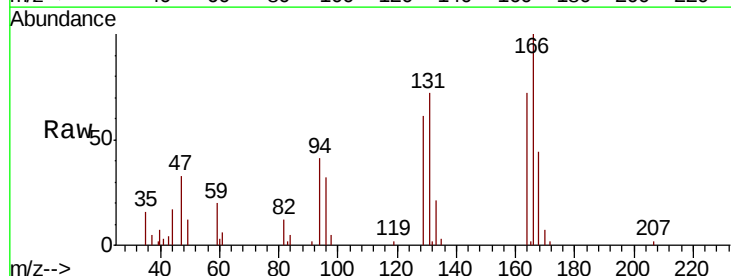
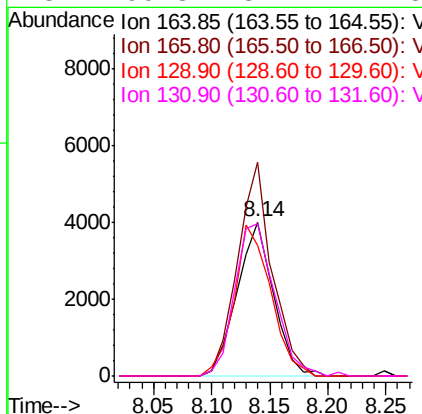
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#64
Tetrachloroethene
Concen: 69.531 ug/l
RT: 8.14 min Scan# 761
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	138.6	104.0	156.0
129	85.1	81.1	121.7
131	99.3	81.2	121.8





#65

Chlorobenzene

Concen: 54.757 ug/l

RT: 9.78 min Scan# 927

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:112 Resp: 18459

Ion Ratio Lower Upper

112 100

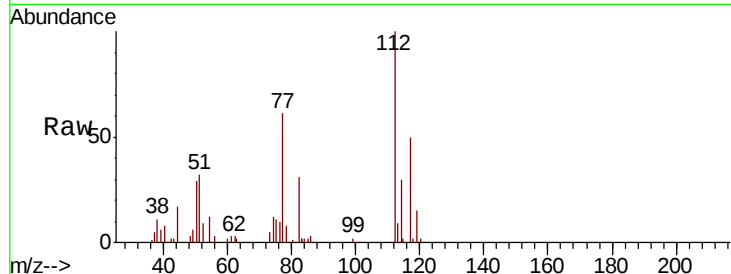
114 29.8 27.8 41.6

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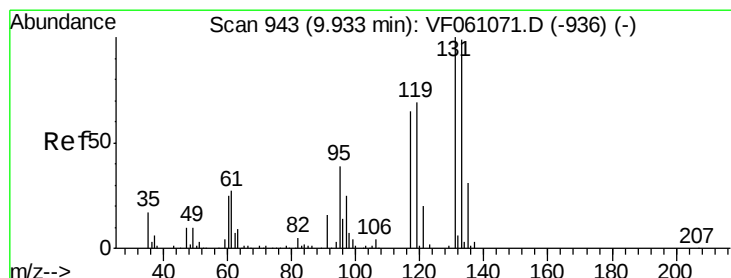
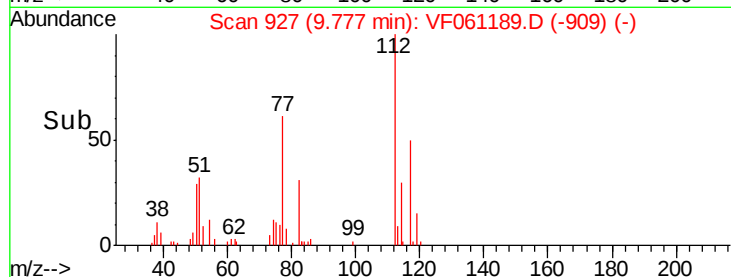
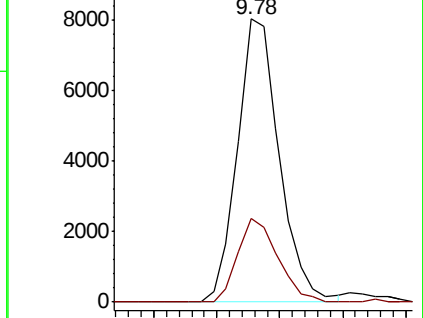
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Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.034 ug/l

RT: 9.92 min Scan# 941

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

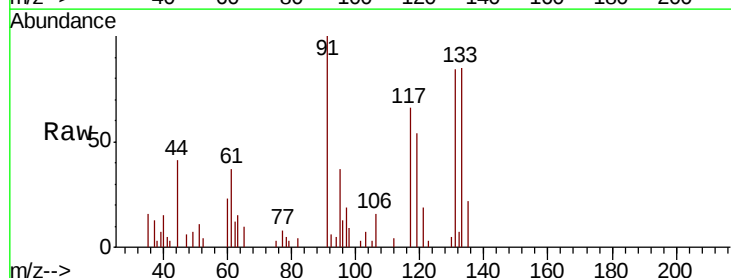
Tgt Ion:131 Resp: 6755

Ion Ratio Lower Upper

131 100

133 100.4 49.5 148.7

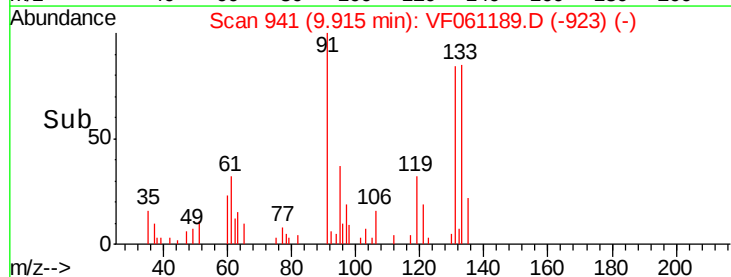
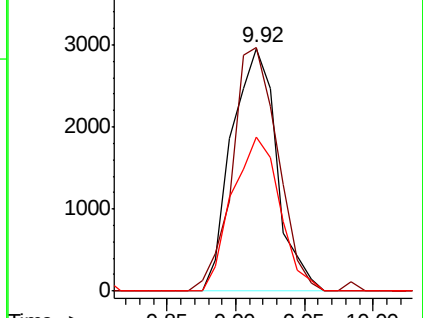
119 63.7 34.5 103.5

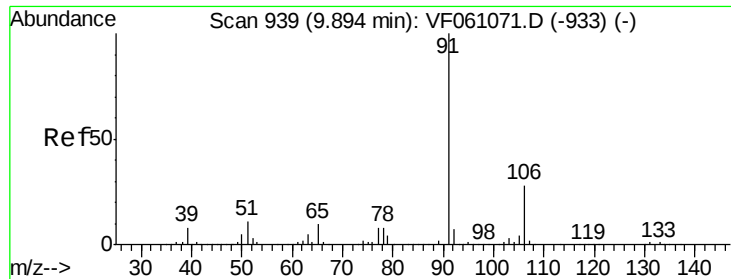


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#67

Ethyl Benzene

Concen: 67.818 ug/l

RT: 9.89 min Scan# 938

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 91 Resp: 41650

Ion Ratio Lower Upper

91 100

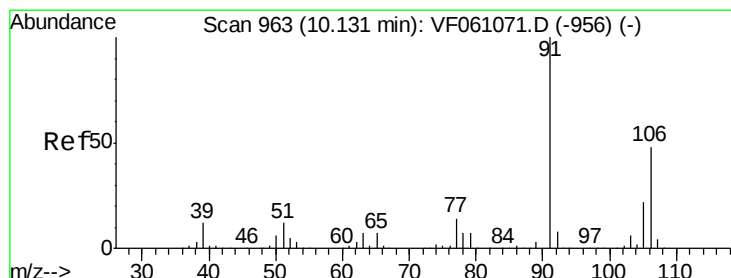
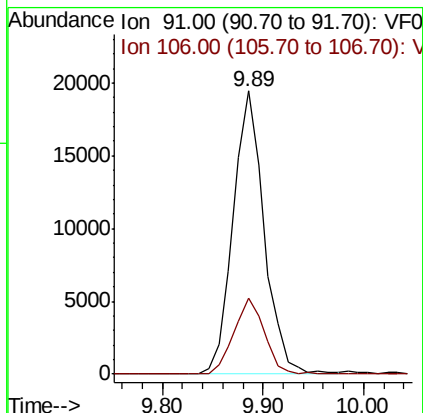
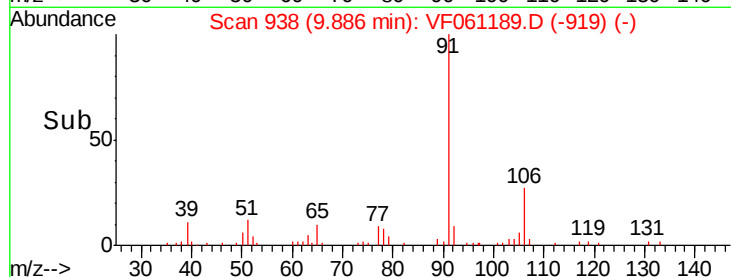
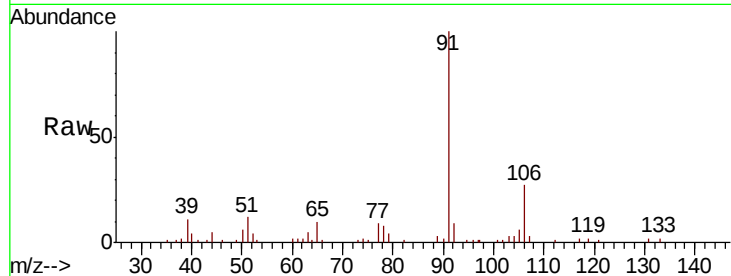
106 26.7 22.5 33.7

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#68

m/p-Xylenes

Concen: 127.454 ug/l

RT: 10.11 min Scan# 961

Delta R.T. -0.02 min

Lab File: VF061189.D

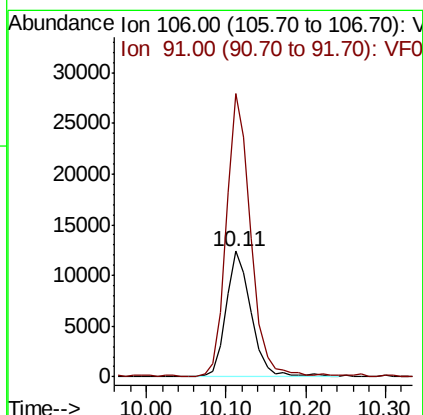
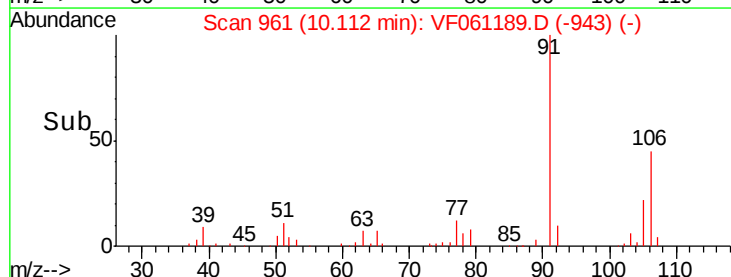
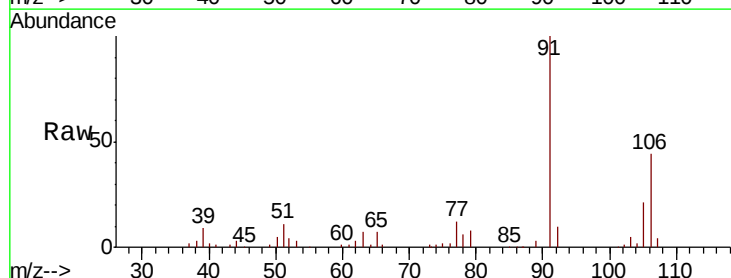
Acq: 26 Dec 2018 15:38

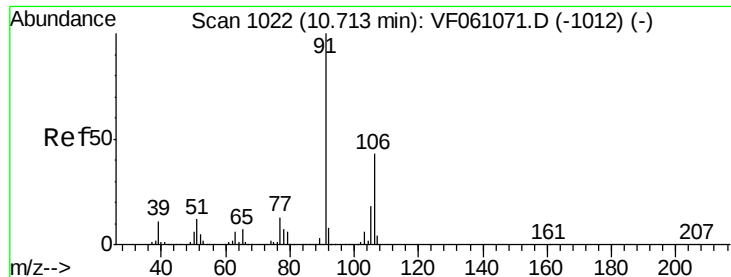
Tgt Ion: 106 Resp: 27547

Ion Ratio Lower Upper

106 100

91 225.4 168.2 252.2





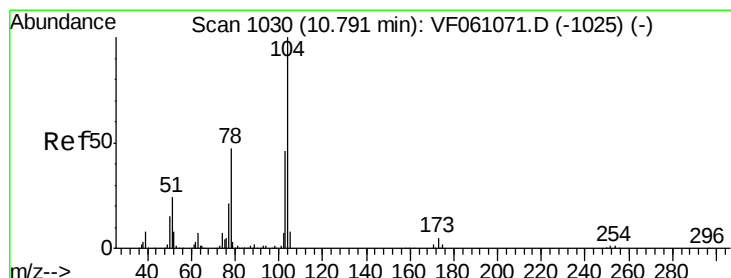
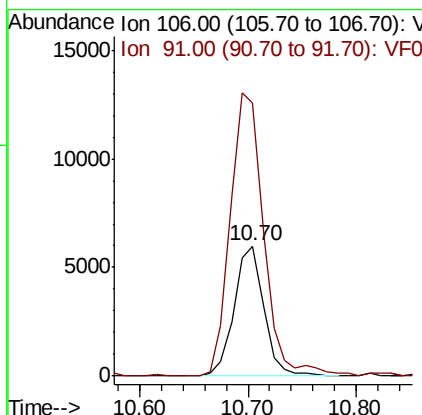
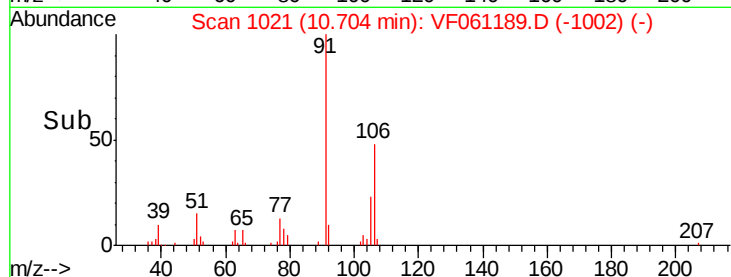
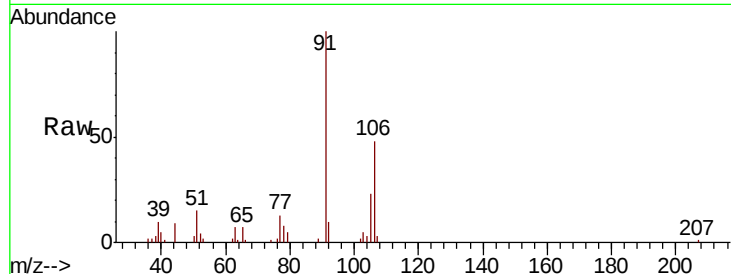
#69
o-Xylene
Concen: 47.758 ug/l
RT: 10.70 min Scan# 1021
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.2	115.9	347.7

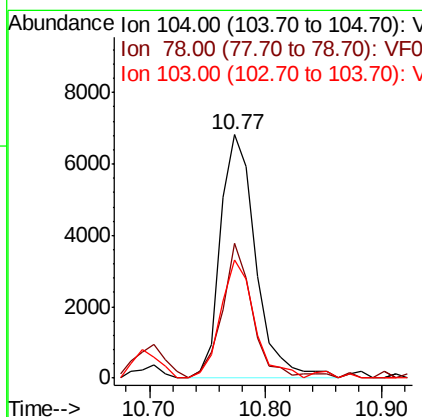
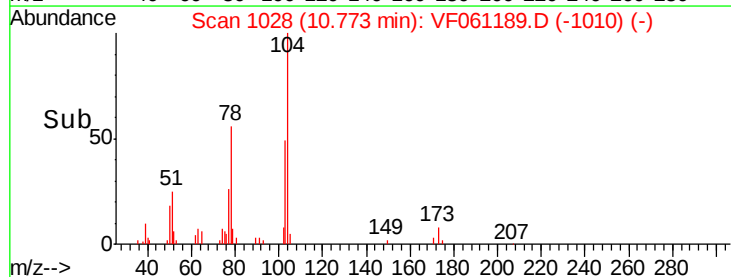
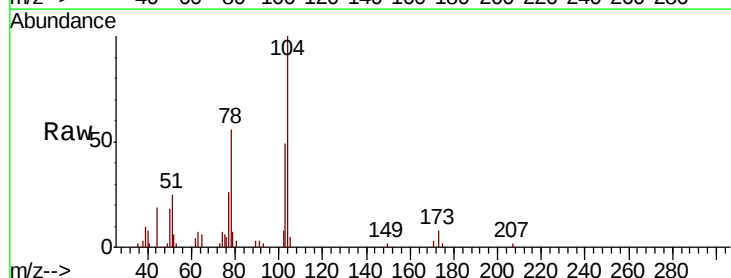
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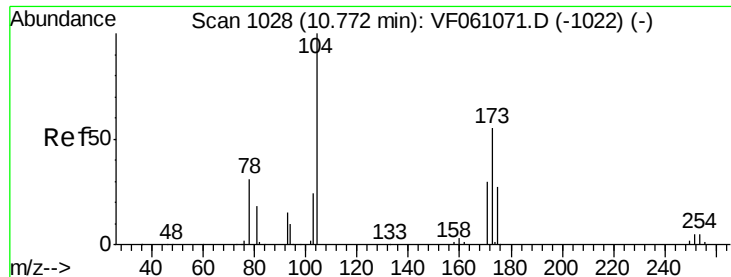
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#70
Styrene
Concen: 49.015 ug/l
RT: 10.77 min Scan# 1028
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
104	100		
78	55.6	38.4	57.6
103	48.7	37.0	55.6





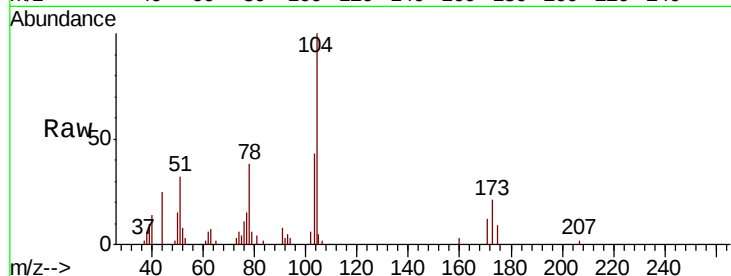
#71
Bromoform
Concen: 27.708 ug/l
RT: 10.76 min Scan# 1027
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	44.0	24.8	74.4
254	0.0	0.0	0.0

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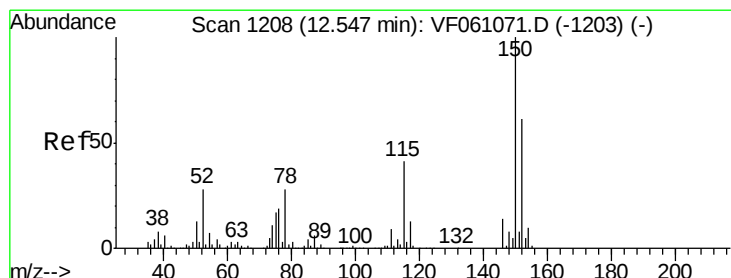
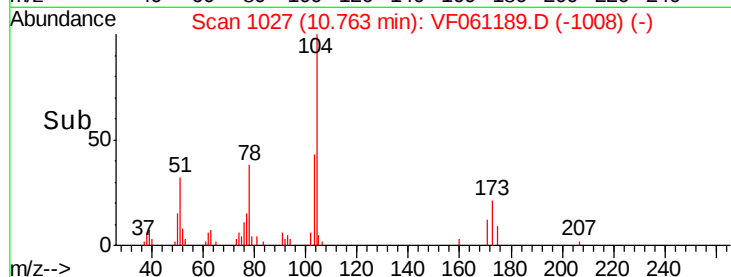
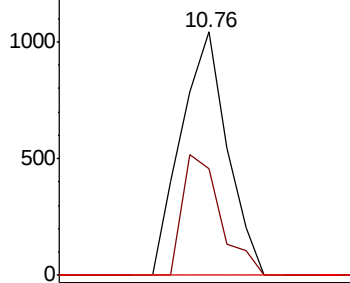


Abundance

Ion 173.00 (172.70 to 173.70): V

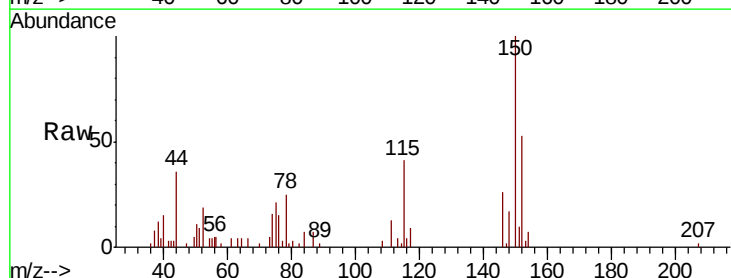
Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.54 min Scan# 1207
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	77.6	33.3	99.9
150	189.0	0.0	328.2

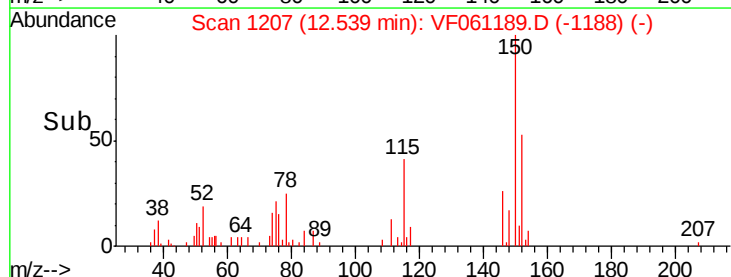
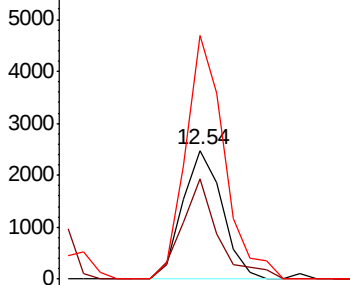


Abundance

Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 126.165 ug/l

RT: 11.11 min Scan# 1062

Delta R.T. -0.02 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:105 Resp: 43924

Ion Ratio Lower Upper

105 100

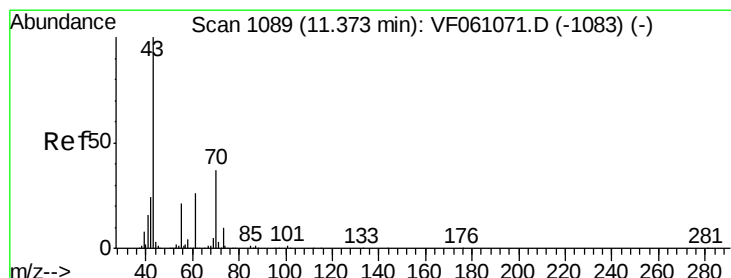
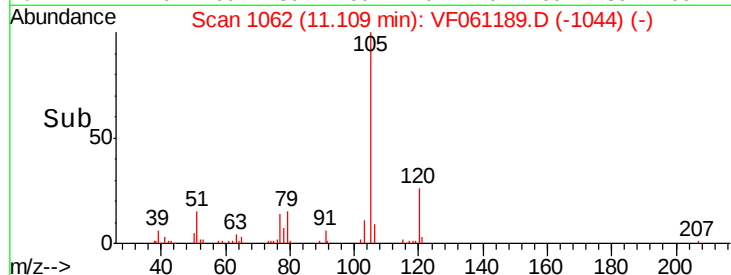
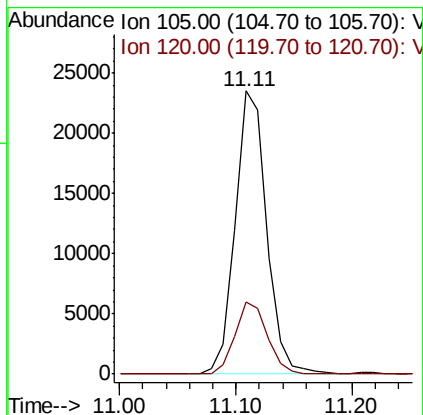
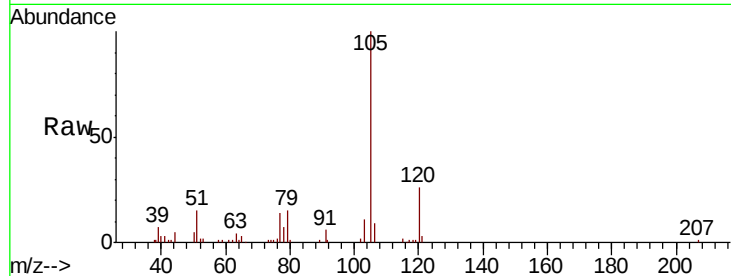
120 25.7 13.0 39.0

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#74

N-ethyl acetate

Concen: 2.950 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. 0.00 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion: 43 Resp: 228

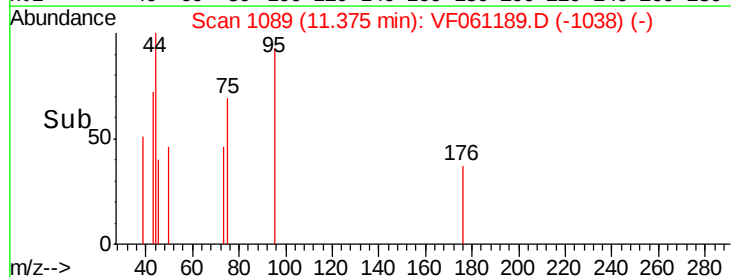
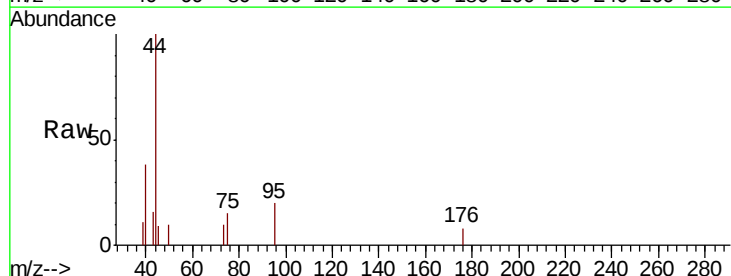
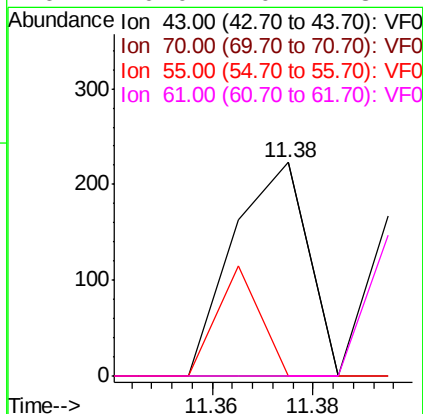
Ion Ratio Lower Upper

43 100

70 0.0 29.2 43.8#

55 0.0 16.5 24.7#

61 0.0 20.7 31.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 55.866 ug/l

RT: 11.69 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

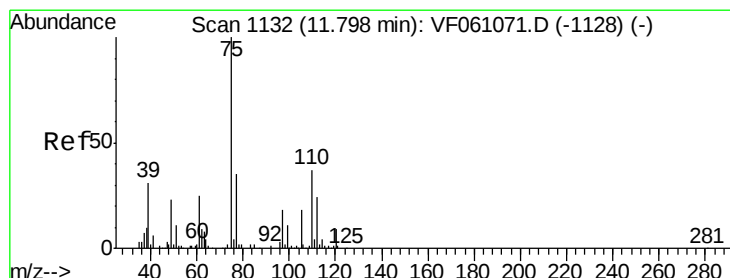
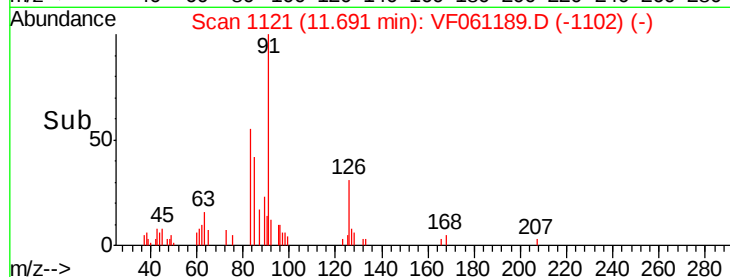
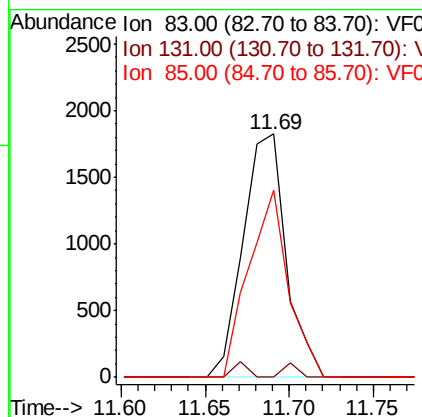
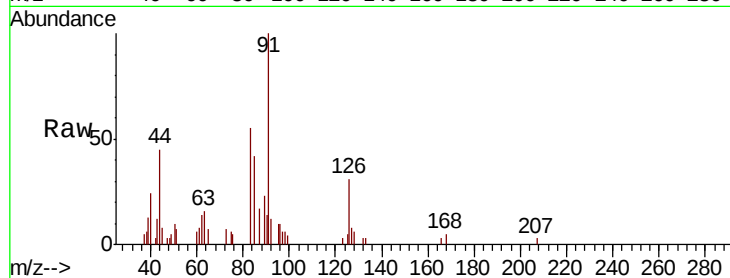
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion	83	Resp	3228
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.8	14.3#
85	76.7	33.9	101.6

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#76

1,2,3-Trichloropropane

Concen: 62.953 ug/l

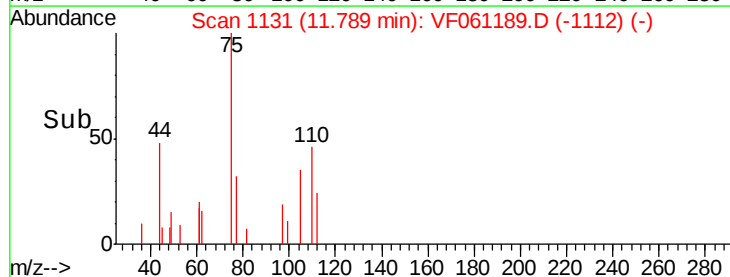
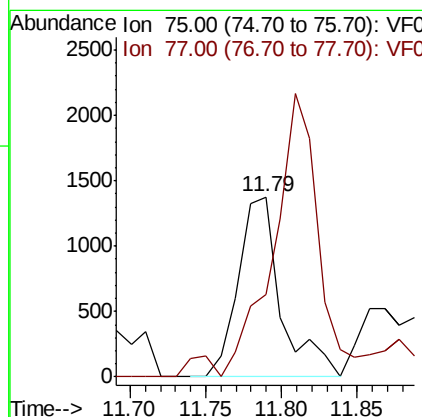
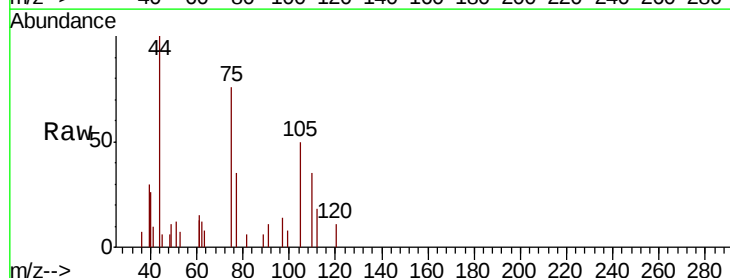
RT: 11.79 min Scan# 1131

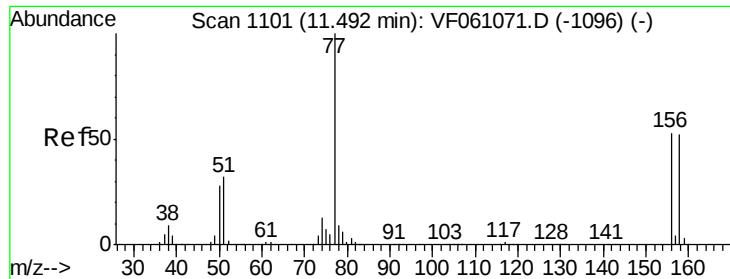
Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion	75	Resp	2707
Ion	Ratio	Lower	Upper
75	100		
77	45.6	17.6	52.9





#77

Bromobenzene

Concen: 63.567 ug/l

RT: 11.48 min Scan# 1100

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

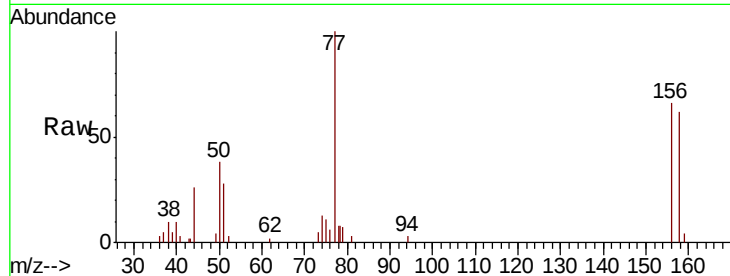
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	150.9	93.8	281.4	
158	92.8	48.9	146.8	

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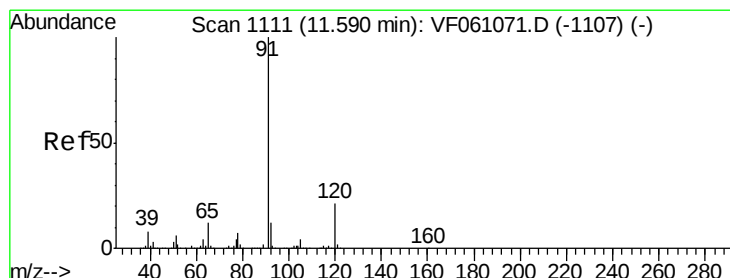
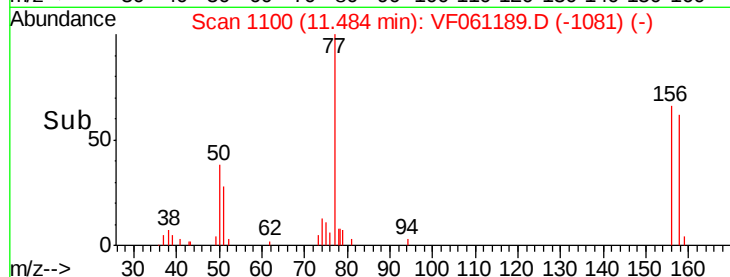
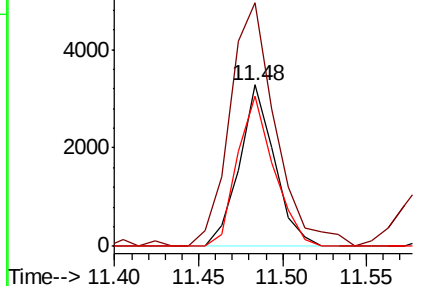
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: Below Cal

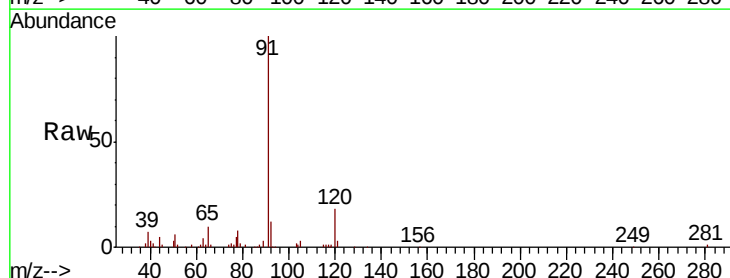
RT: 11.58 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VF061189.D

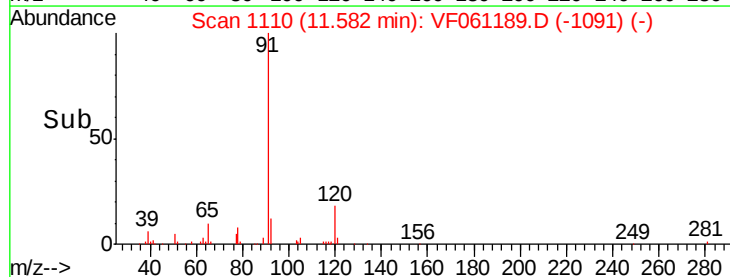
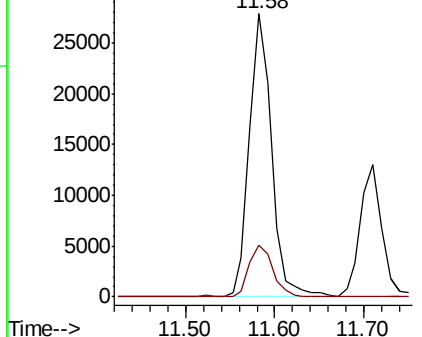
Acq: 26 Dec 2018 15:38

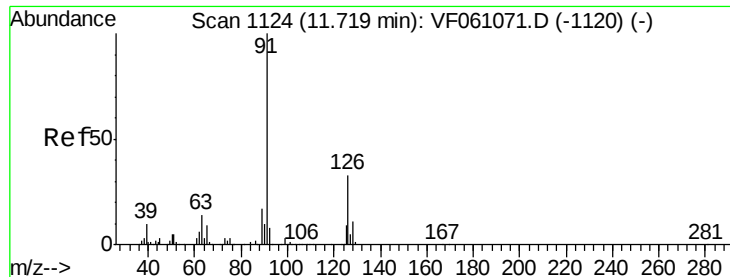
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	18.5	10.4	31.2	



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 92.715 ug/l

RT: 11.71 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion: 91 Resp: 22143

Ion Ratio Lower Upper

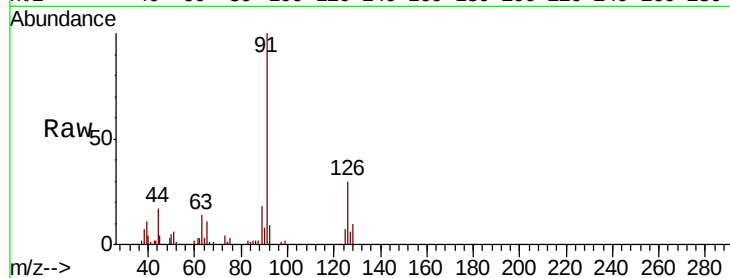
91 100

126 29.9 16.4 49.1

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Abundance Ion 91.00 (90.70 to 91.70): VF061071.D (-1120) (-)

Ion 126.00 (125.70 to 126.70): VF061071.D (-1120) (-)

15000

11.71

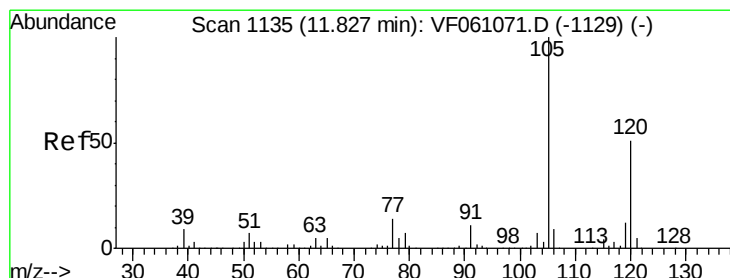
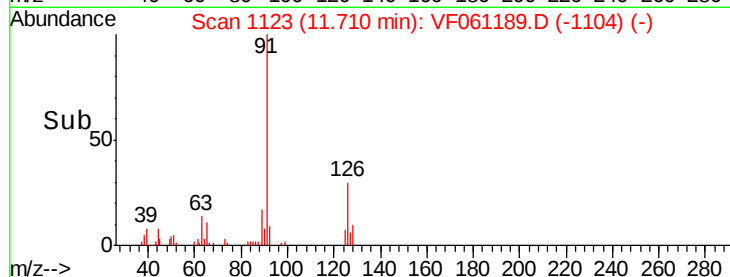
10000

5000

0

11.65 11.70 11.75 11.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 97.543 ug/l

RT: 11.81 min Scan# 1133

Delta R.T. -0.02 min

Lab File: VF061189.D

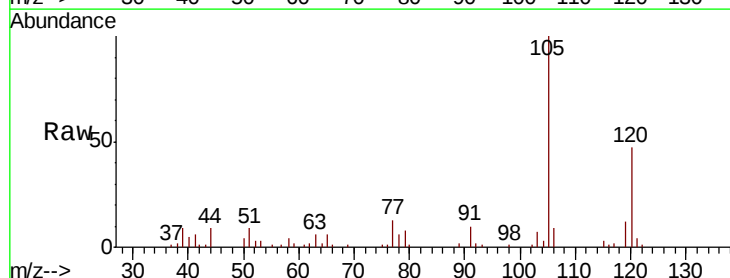
Acq: 26 Dec 2018 15:38

Tgt Ion: 105 Resp: 27963

Ion Ratio Lower Upper

105 100

120 47.1 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VF061071.D (-1129) (-)

Ion 120.00 (119.70 to 120.70): VF061071.D (-1129) (-)

15000

11.81

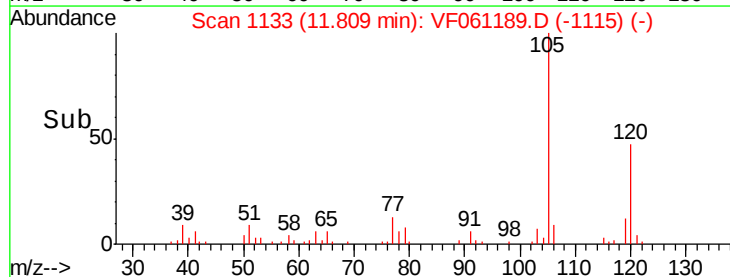
10000

5000

0

11.70 11.80 11.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 53.849 ug/l m

RT: 11.86 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

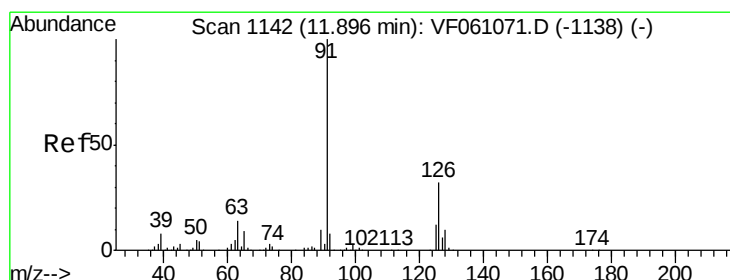
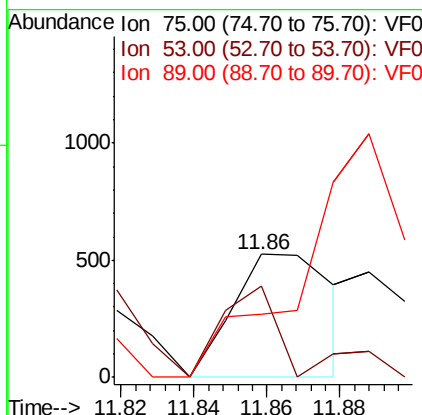
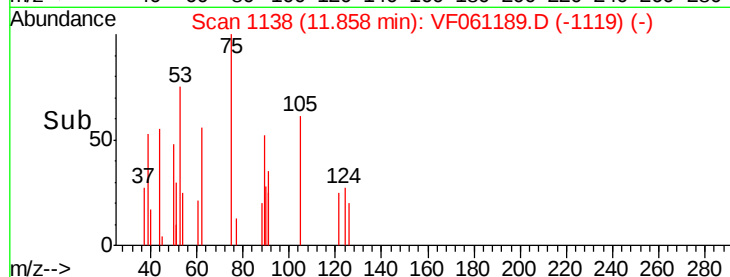
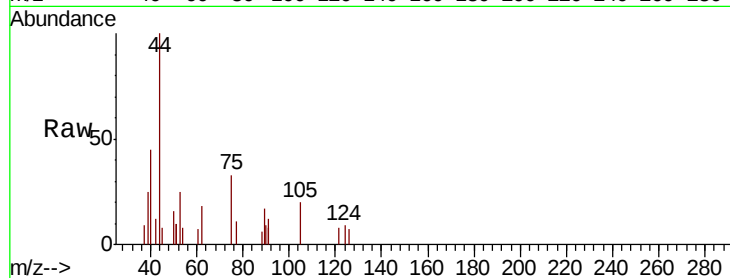
ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:	75	Resp:	995
Ion	Ratio	Lower	Upper
75	100		
53	74.5	74.1	111.1
89	51.7	42.6	64.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 80.530 ug/l

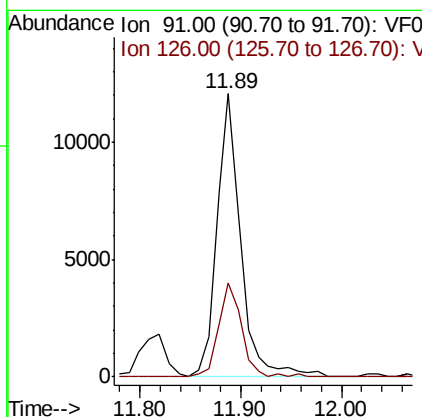
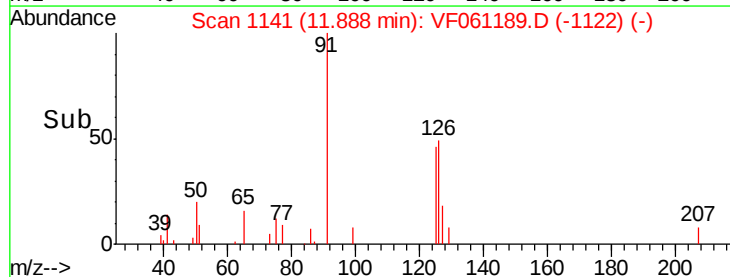
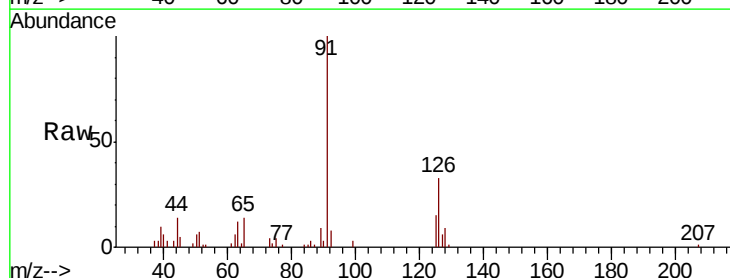
RT: 11.89 min Scan# 1141

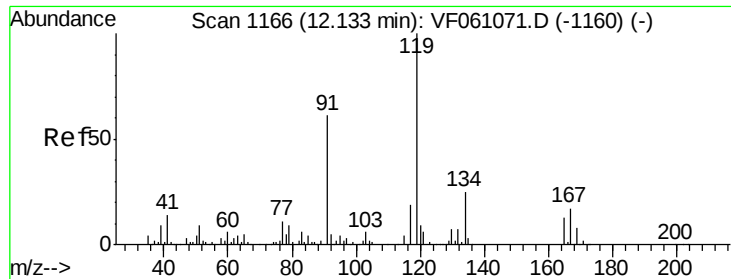
Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Tgt Ion:	91	Resp:	19896
Ion	Ratio	Lower	Upper
91	100		
126	33.2	16.0	47.9





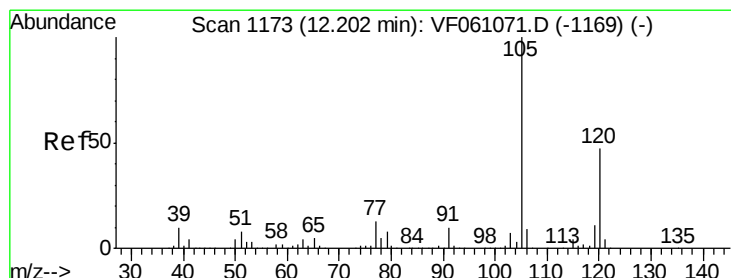
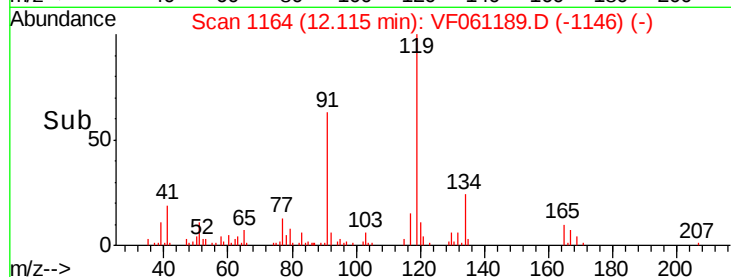
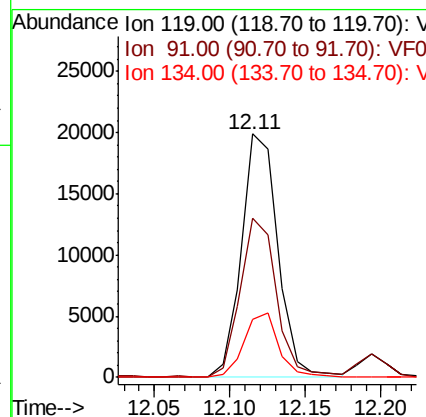
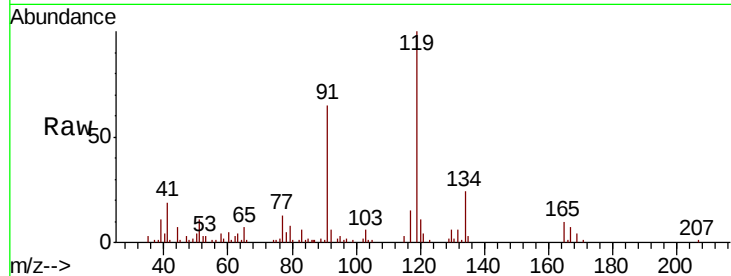
#83
tert-Butylbenzene
Concen: 113.077 ug/l
RT: 12.11 min Scan# 1164
Delta R.T. -0.02 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	33357		
91	65.2	30.5	91.5	
134	24.0	12.4	37.4	

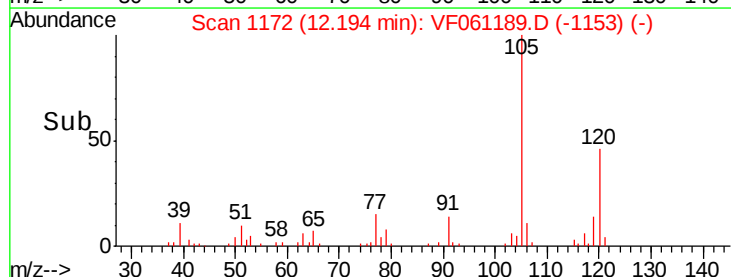
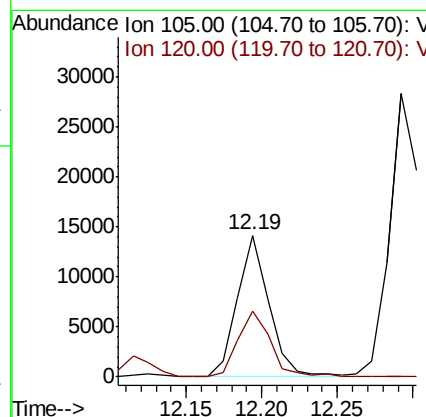
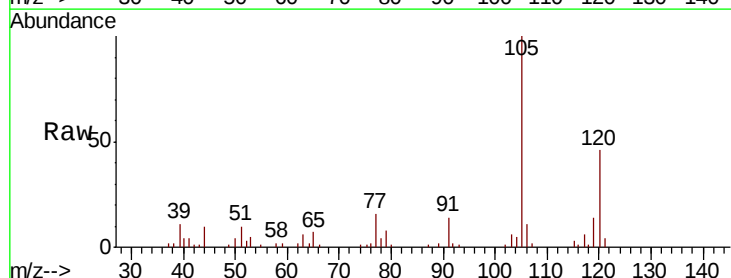
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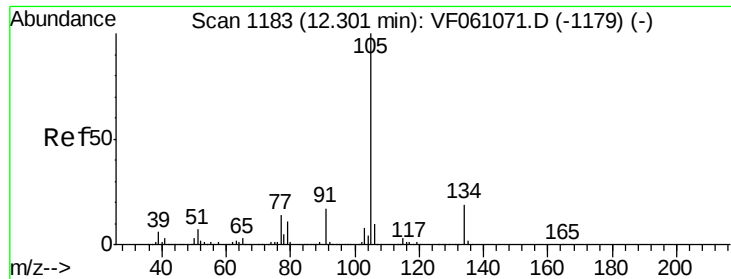
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#84
1,2,4-Trimethylbenzene
Concen: 72.623 ug/l
RT: 12.19 min Scan# 1172
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	20761		
120	46.3	23.6	71.0	





#85

sec-Butylbenzene

Concen: 108.897 ug/l

RT: 12.29 min Scan# 1182

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

Instrument :

MSVOA_F

ClientSampleId :

P001-SS025-1218-01MS

Tot Ion:105 Resp: 41922

Ion Ratio Lower Upper

105 100

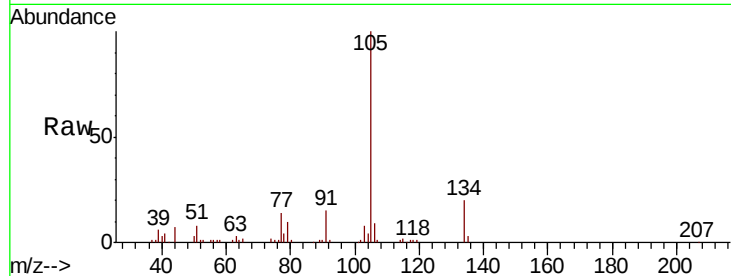
134 19.8 9.4 28.2

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

30000

25000

20000

15000

10000

5000

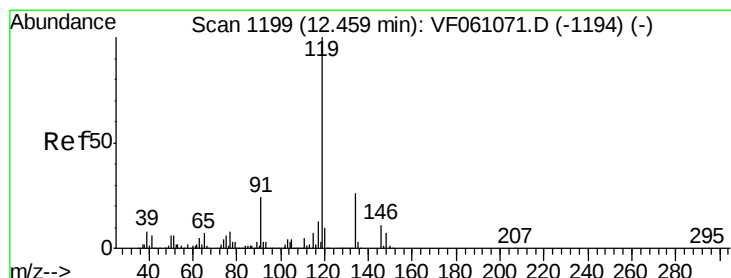
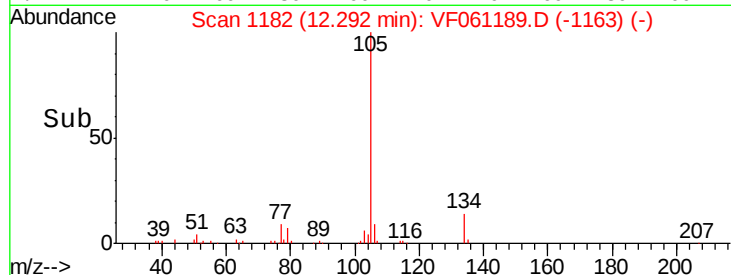
0

12.20

12.29

12.40

Time-->



#86

p-Isopropyltoluene

Concen: 90.322 ug/l

RT: 12.45 min Scan# 1198

Delta R.T. -0.01 min

Lab File: VF061189.D

Acq: 26 Dec 2018 15:38

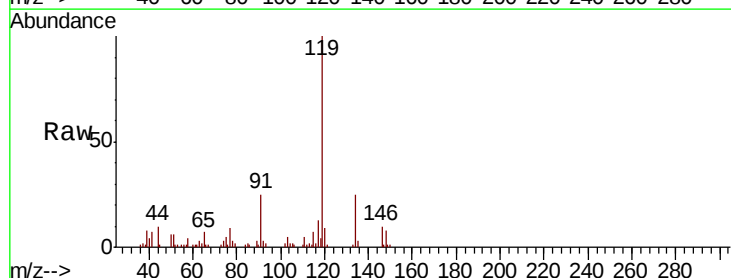
Tgt Ion:119 Resp: 28862

Ion Ratio Lower Upper

119 100

134 24.9 12.8 38.4

91 25.1 12.2 36.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

25000

20000

15000

10000

5000

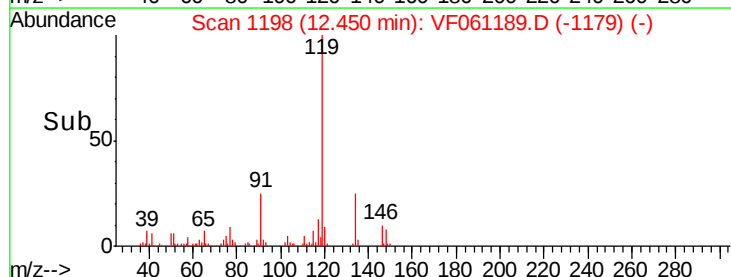
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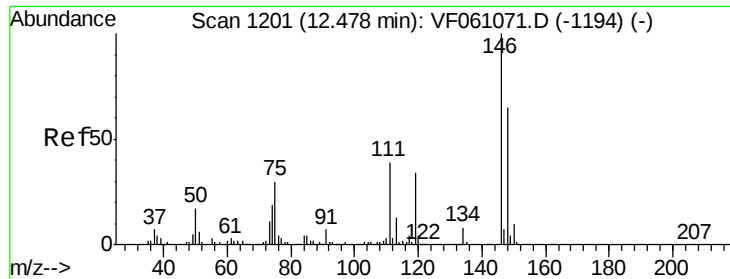
12.40

12.45

12.50

Time-->





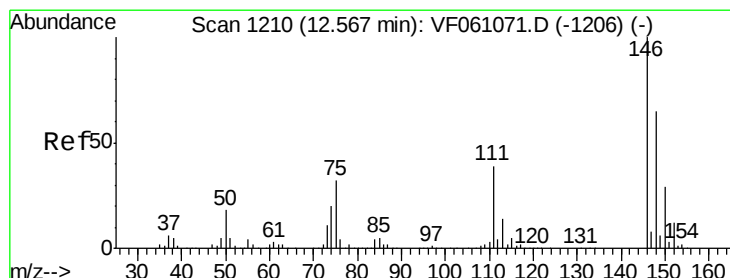
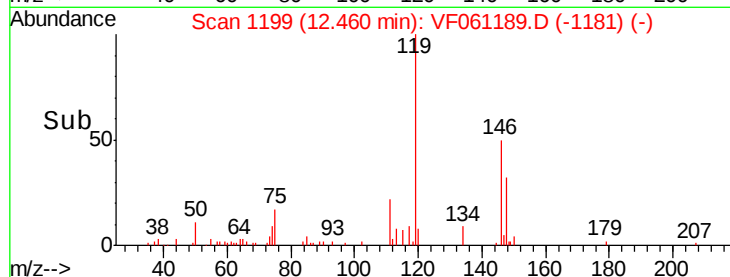
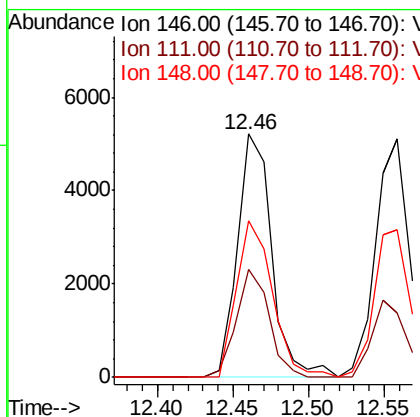
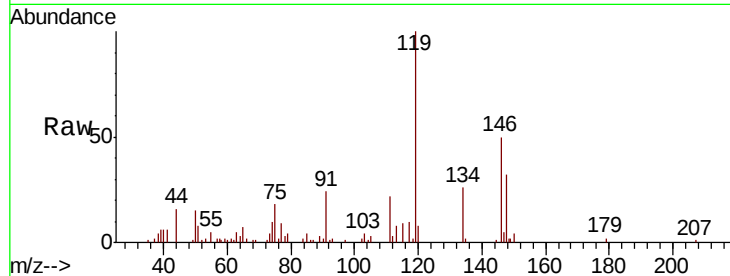
#87
 1,3-Dichlorobenzene
 Concen: 69.246 ug/l
 RT: 12.46 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	19.3	57.9
148	67.4	32.4	97.2

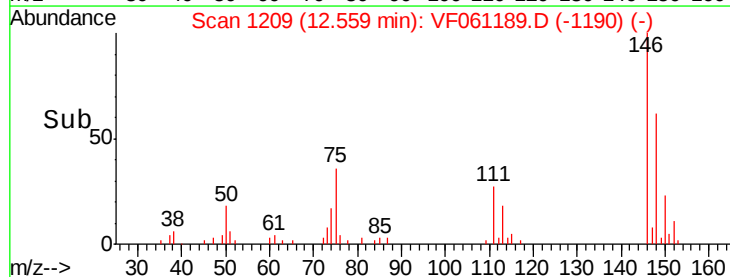
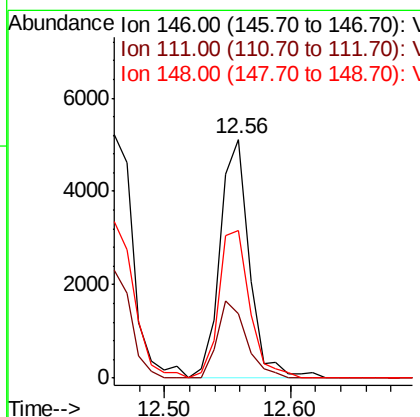
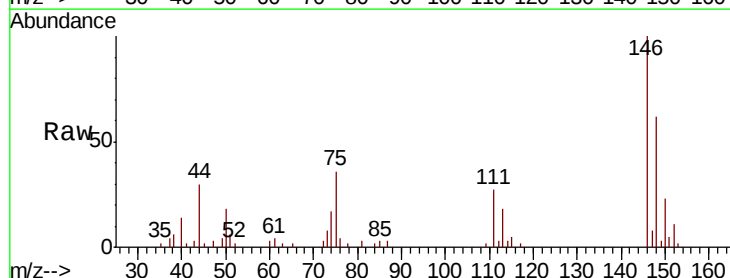
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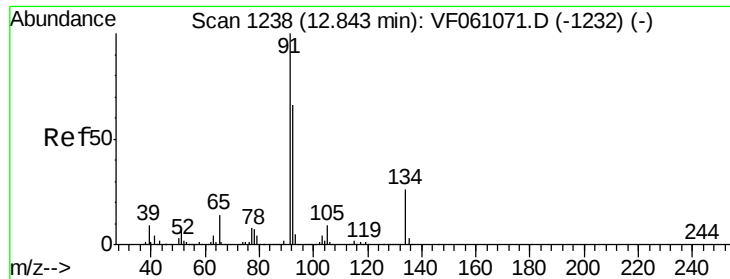
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#88
 1,4-Dichlorobenzene
 Concen: 59.978 ug/l
 RT: 12.56 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	26.9	19.4	58.4
148	61.7	32.4	97.0





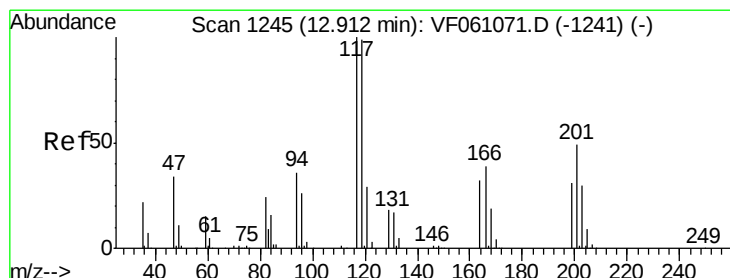
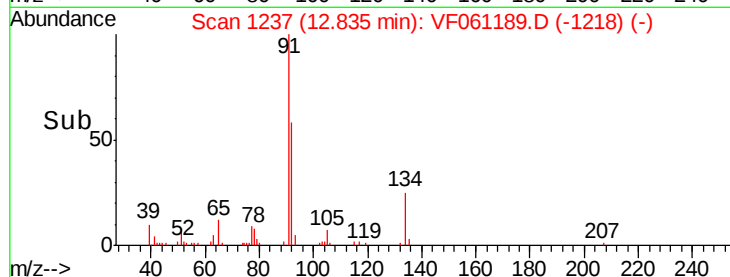
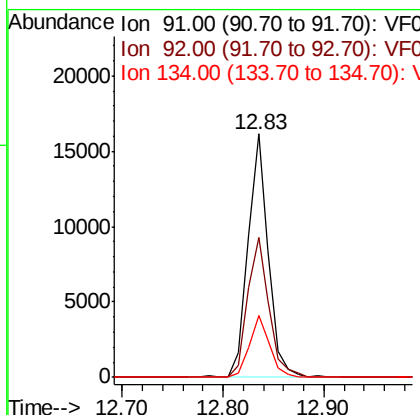
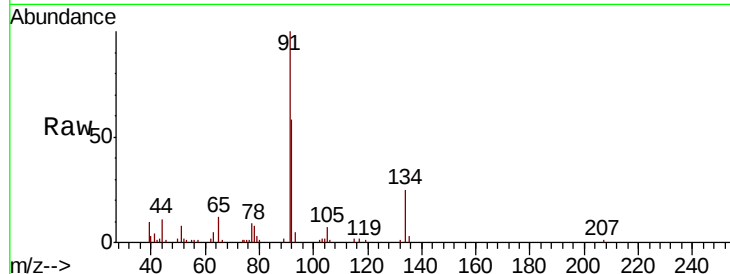
#89
n-Butylbenzene
Concen: 84.698 ug/l
RT: 12.83 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	32.8	98.4
134	25.2	13.2	39.5

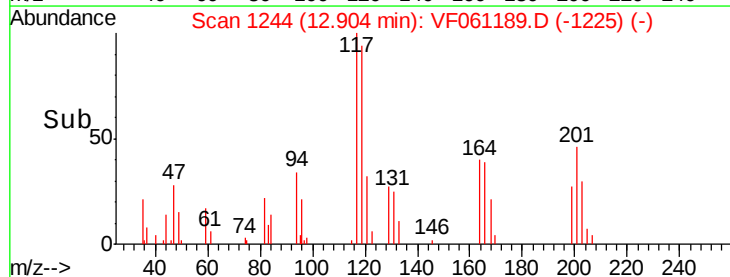
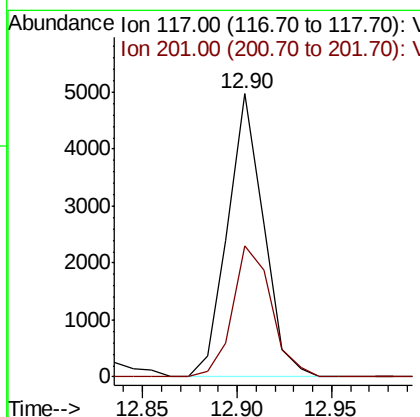
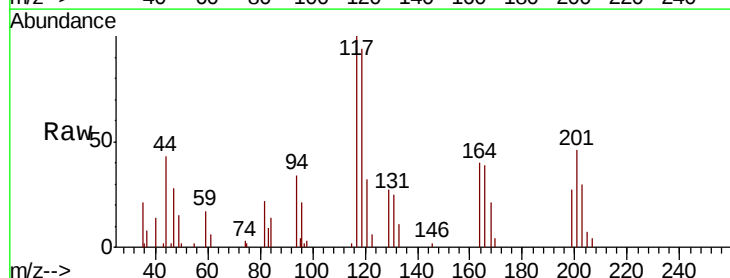
Manual Integrations
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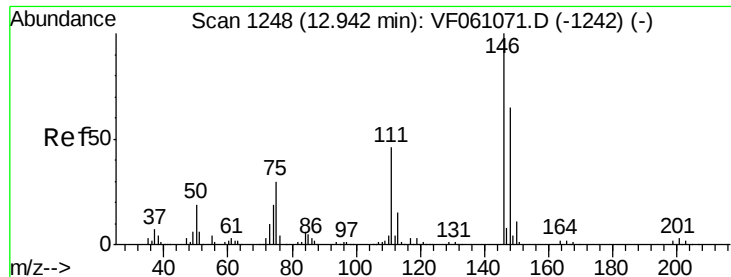
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#90
Hexachloroethane
Concen: 82.852 ug/l
RT: 12.90 min Scan# 1244
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	46.2	24.9	74.8





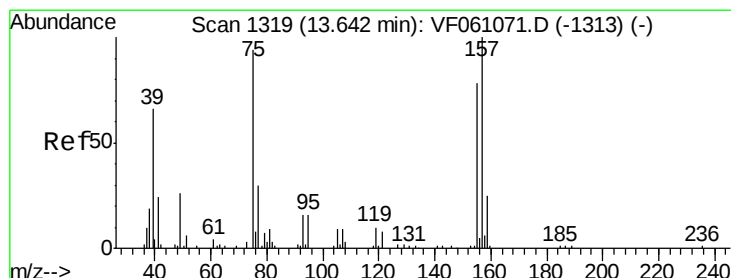
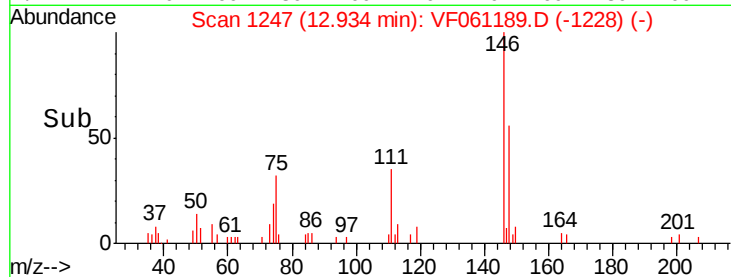
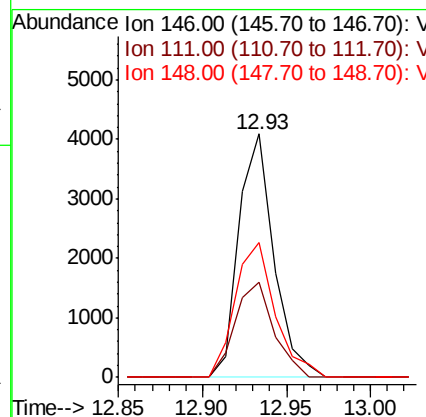
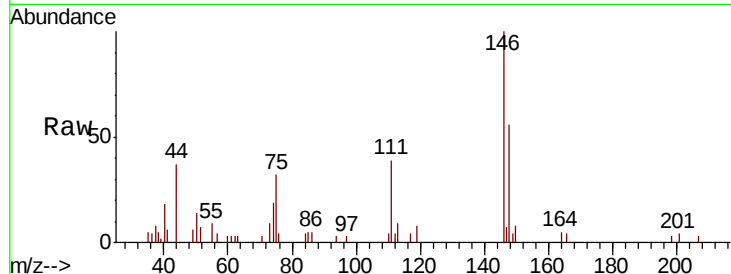
#91
 1,2-Dichlorobenzene
 Concen: 44.290 ug/l
 RT: 12.93 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	23.2	69.5
148	55.5	32.4	97.0

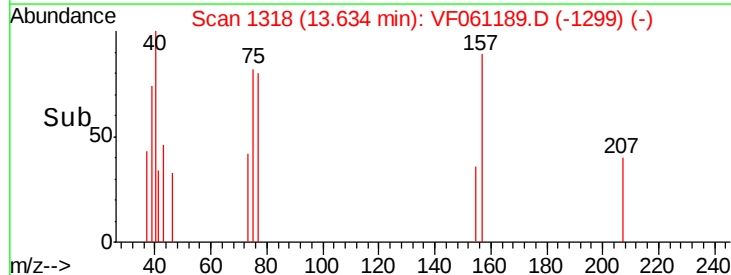
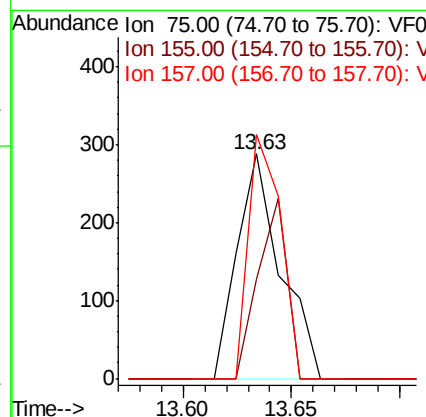
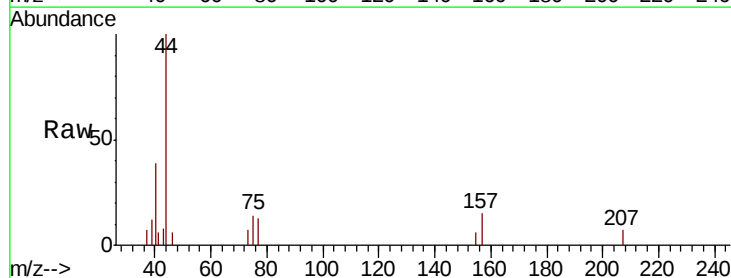
Manual Integrations
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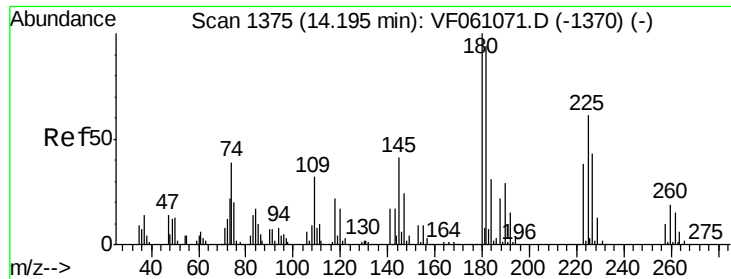
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 38.197 ug/l
 RT: 13.63 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	44.4	41.5	124.5
157	108.7	53.2	159.6





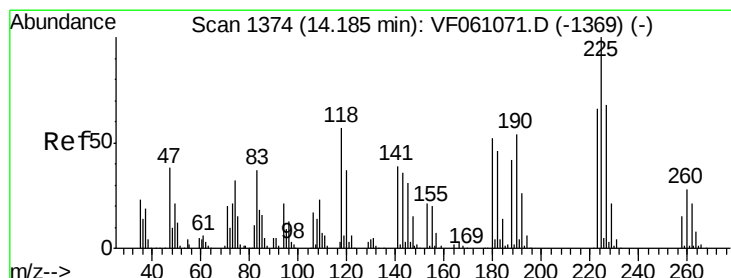
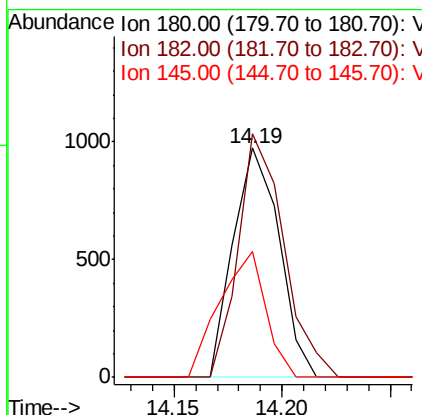
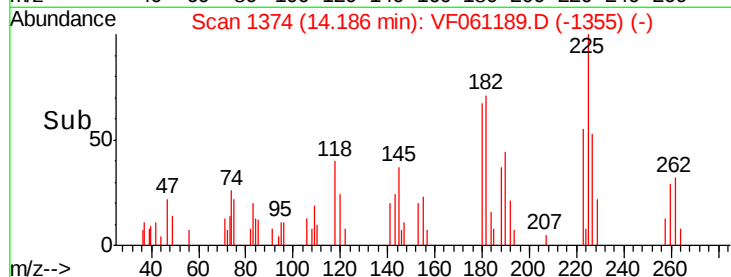
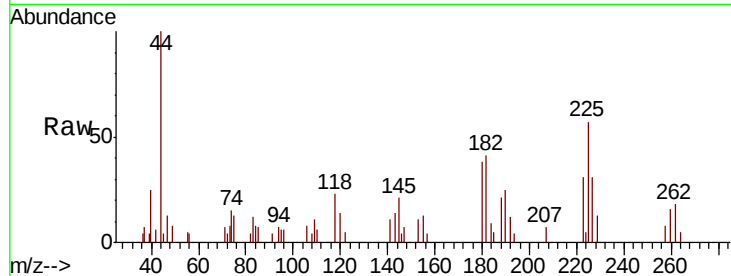
#93
 1,2,4-Trichlorobenzene
 Concen: 15.144 ug/l
 RT: 14.19 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Instrument :
 MSVOA_F
 ClientSampleId :
 P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.2	46.9	140.6
145	55.0	20.5	61.6

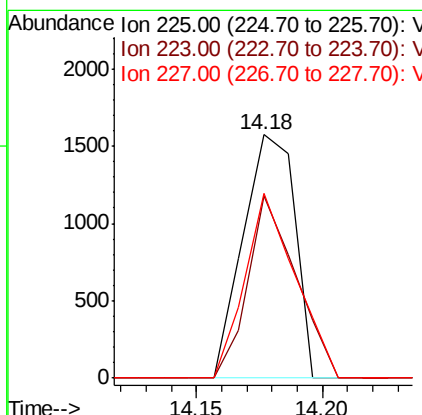
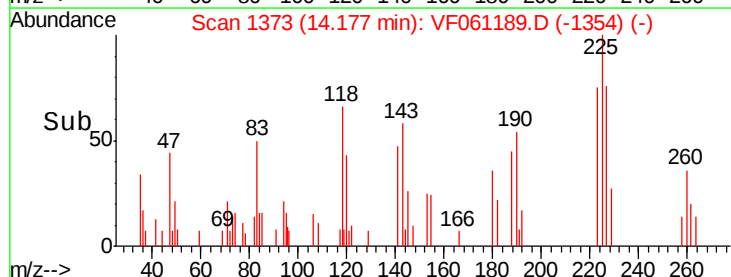
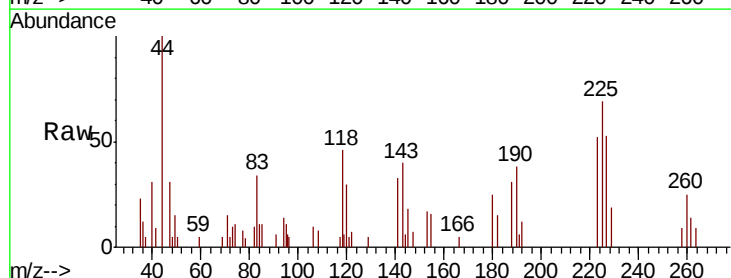
Manual Integrations
 APPROVED

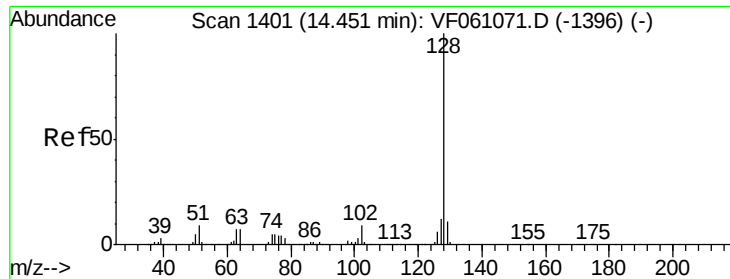
apatel
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#94
 Hexachlorobutadiene
 Concen: 37.129 ug/l
 RT: 14.18 min Scan# 1373
 Delta R.T. -0.01 min
 Lab File: VF061189.D
 Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
225	100		
223	74.7	32.8	98.3
227	75.9	34.0	101.8





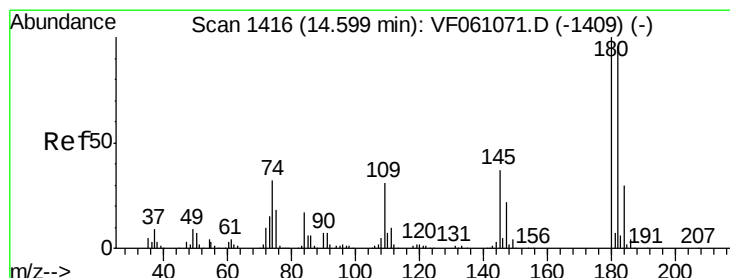
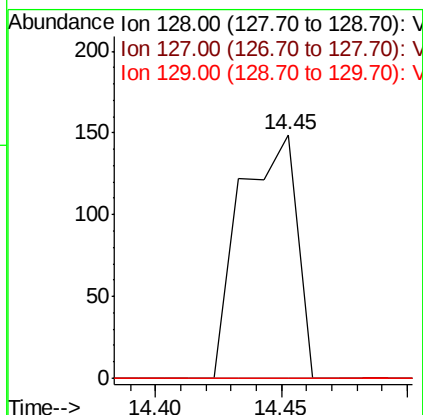
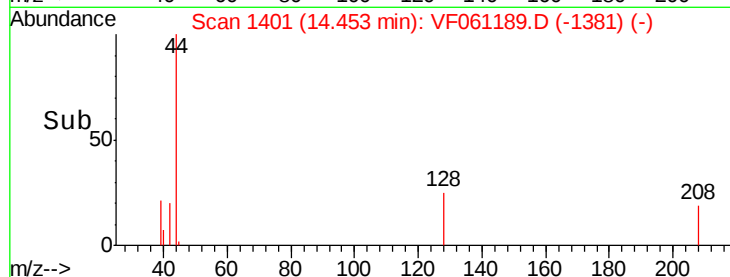
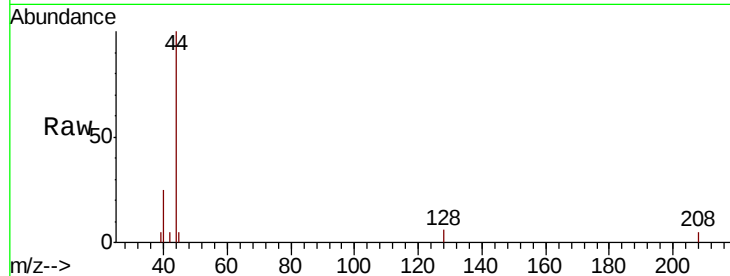
#95
Naphthalene
Concen: 1.337 ug/l
RT: 14.45 min Scan# 1401
Delta R.T. 0.00 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Instrument :
MSVOA_F
ClientSampleId :
P001-SS025-1218-01MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	9.4	14.2#
129	0.0	8.8	13.2#

Manual Integrations
APPROVED

apatel
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#96
1,2,3-Trichlorobenzene
Concen: 9.813 ug/l
RT: 14.59 min Scan# 1415
Delta R.T. -0.01 min
Lab File: VF061189.D
Acq: 26 Dec 2018 15:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	75.5	47.9	143.8
145	26.5	18.6	55.8

