

Data File : VL031239.D
Acq On : 14 Dec 2017 19:45
Operator :
Sample : I6907-03DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Manual Integrations
APPROVED

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12/15/2017 4:07:19 PM

Quant Time: Dec 16 04:11:33 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Dec 14 2017
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1452983	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3413732	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3076984	10.00	ppbv	0.00

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.75 95 2477065 11.32 ppbv 0.00
Spiked Amount 10.000 Range 65 - 135 Recovery = 113.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.18	85	76930	0.63	ppbv	96
3) Chlorodifluoromethane	3.12	51	55604m	0.34	ppbv	
7) Chloroethane	3.71	64	131991	3.86	ppbv	93
9) Propene	3.15	41	295857m	3.65	ppbv	
10) Heptane	8.40	43	29815	0.12	ppbv	100
11) Trichlorofluoromethane	4.13	101	211179	1.05	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.68	101	727356	5.15	ppbv	97
13) Ethanol	3.77	45	361807	15.47	ppbv	98
15) Acetone	4.04	43	550846	2.87	ppbv #	76
18) 1,1-Dichloroethene	4.48	96	322526	5.09	ppbv	93
19) Isopropyl Alcohol	4.16	45	103617	0.85	ppbv #	46
20) Methylene Chloride	4.54	84	55955	0.88	ppbv	96
22) trans-1,2-Dichloroethene	5.11	96	79385	1.02	ppbv	92
24) 1,1-Dichloroethane	5.23	63	4319336	19.25	ppbv	99
26) Hexane	5.92	57	48144	0.26	ppbv #	50
31) cis-1,2-Dichloroethene	5.79	61	24554m	0.15	ppbv	
32) 1,1,1-Trichloroethane	6.77	97	10919975	40.71	ppbv	95
34) 2-Butanone	5.49	43	36023	0.15	ppbv	100
36) Benzene	7.16	78	57097	0.16	ppbv	97
44) 2,2,4-Trimethylpentane	8.15	57	60874	0.11	ppbv #	77
53) Toluene	10.11	91	240068	0.61	ppbv	99
58) Ethyl Benzene	13.03	91	35163	0.07	ppbv	92
59) m/p-Xylene	13.29	91	96875m	0.24	ppbv	
60) o-Xylene	14.02	91	37389m	0.09	ppbv	

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

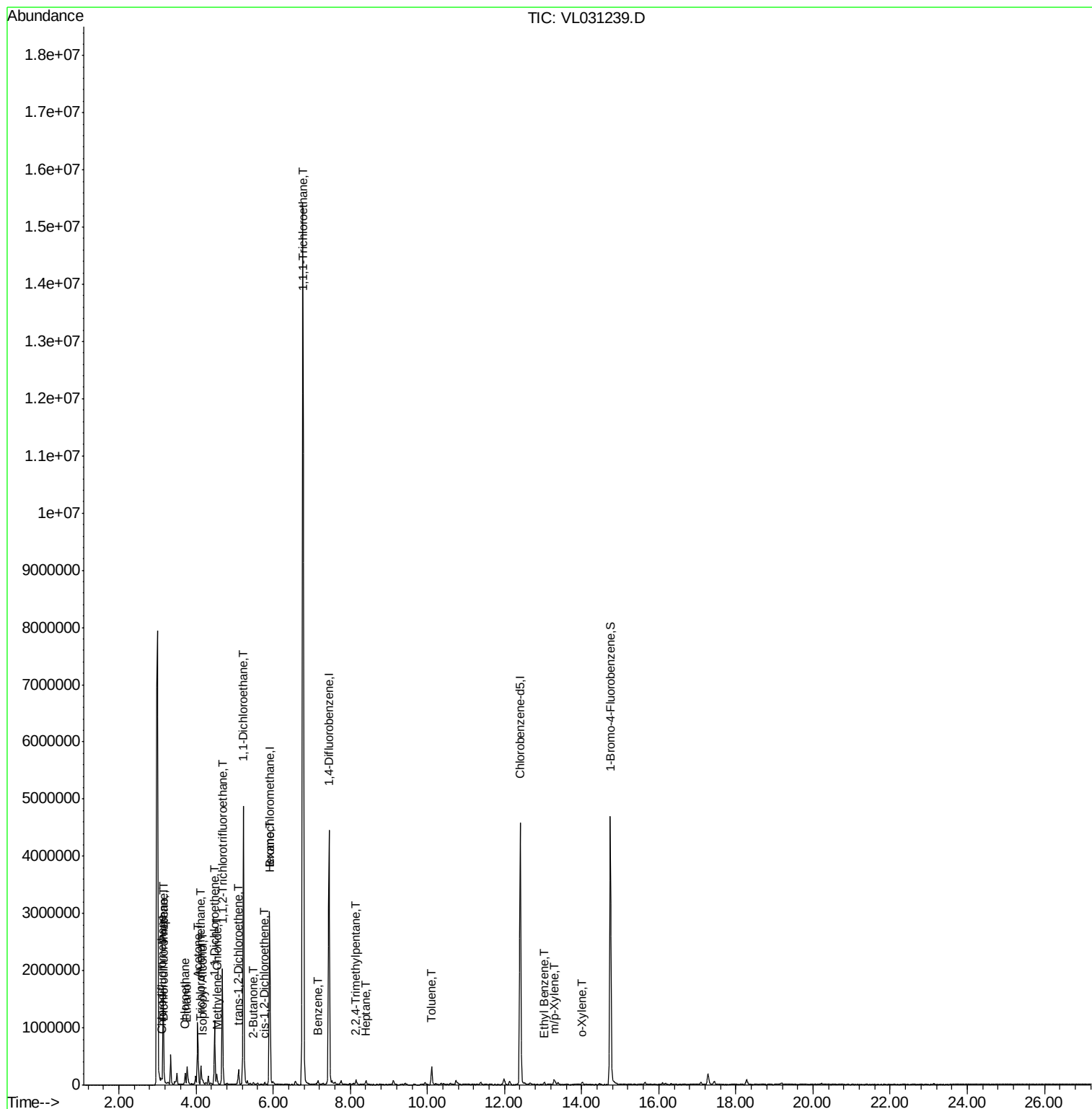
Data File : VL031239.D
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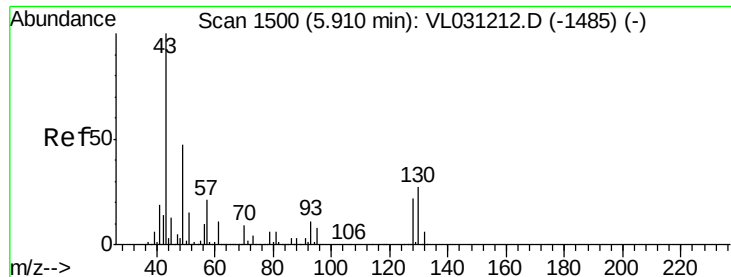
Instrument :
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Quant Time: Dec 16 04:11:33 2017
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031239.D

Acq: 14 Dec 2017 19:45

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDUP

Tgt Ion: 49 Resp: 1452983

Ion Ratio Lower Upper

49 100

128 48.6 23.2 69.5

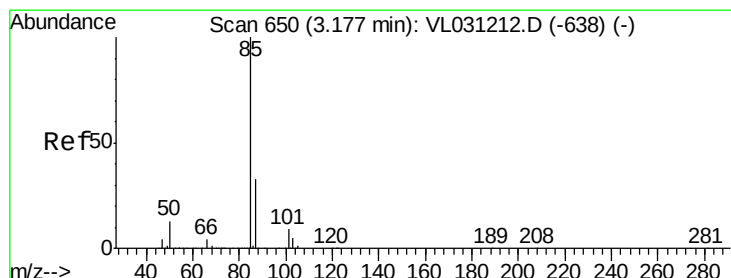
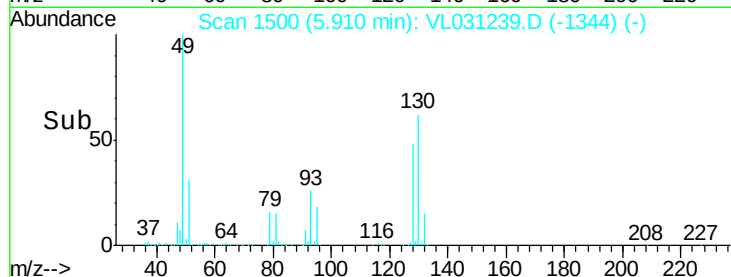
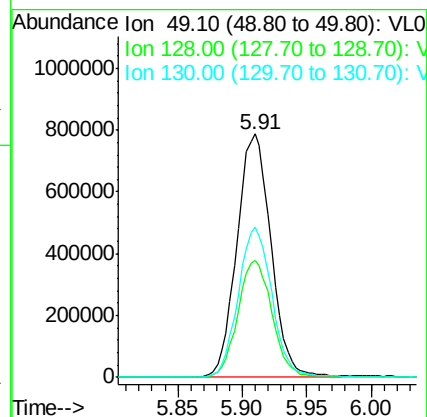
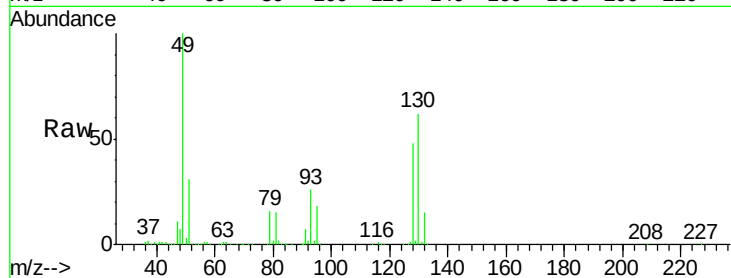
130 61.4 29.6 88.8

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#2

Dichlorodifluoromethane

Concen: 0.63 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031239.D

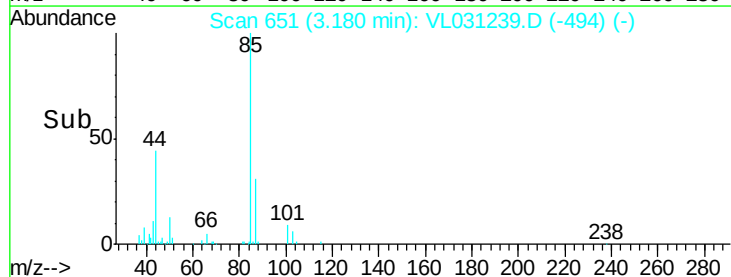
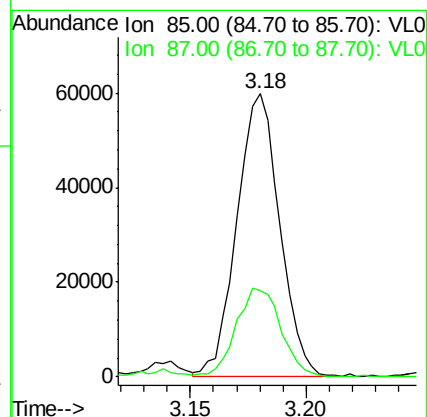
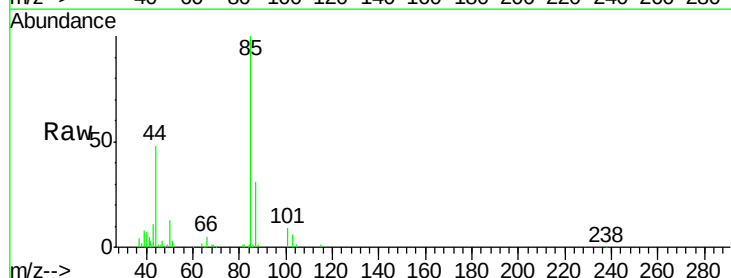
Acq: 14 Dec 2017 19:45

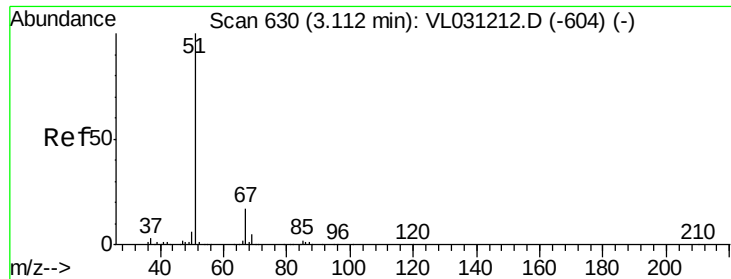
Tgt Ion: 85 Resp: 76930

Ion Ratio Lower Upper

85 100

87 30.6 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.34 ppbv m

RT: 3.12 min Scan# 631

Delta R.T. 0.00 min

Lab File: VL031239.D

Acq: 14 Dec 2017 19:45

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDUP

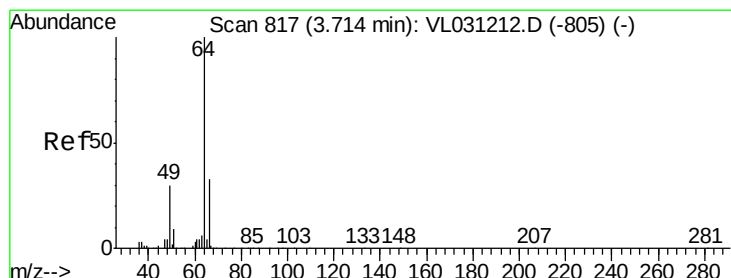
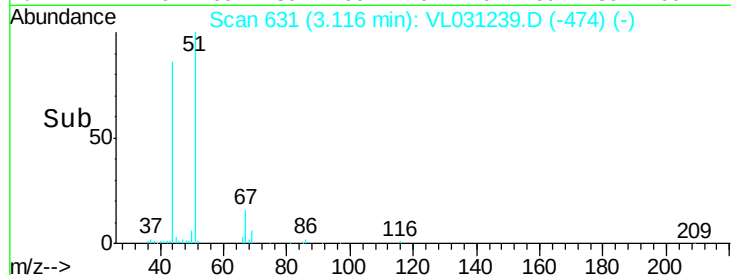
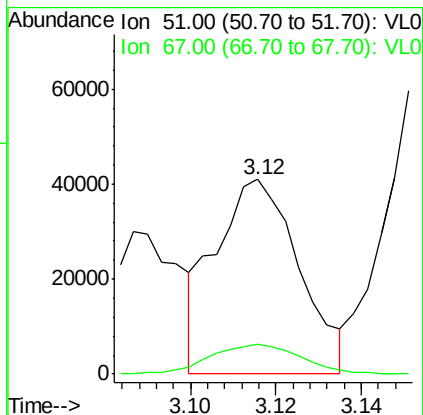
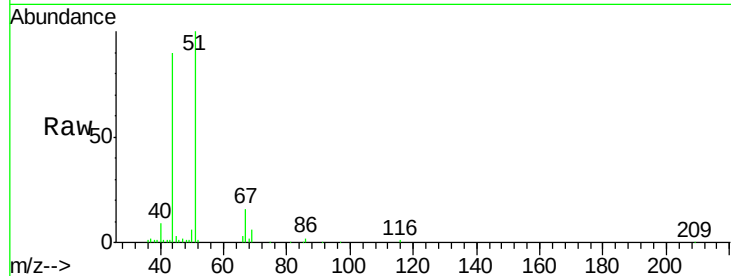
Tgt Ion: 51 Resp: 55604
Ion Ratio Lower Upper

51 100

67 1.5 13.8 20.6#

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#7

Chloroethane

Concen: 3.86 ppbv

RT: 3.71 min Scan# 817

Delta R.T. 0.00 min

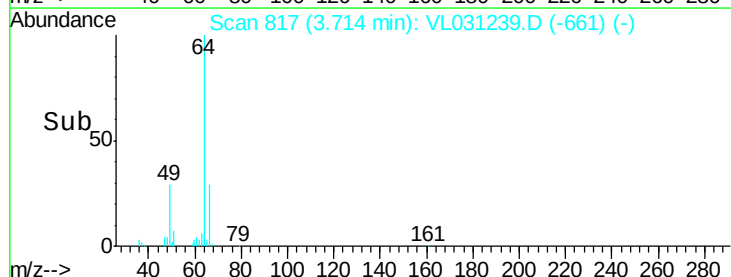
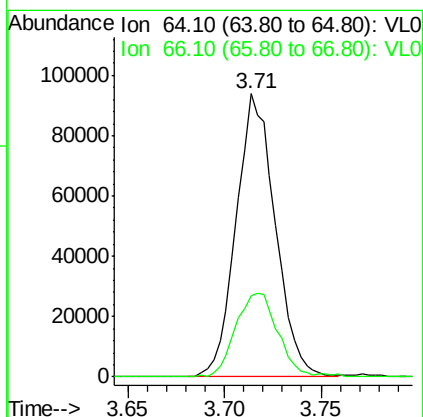
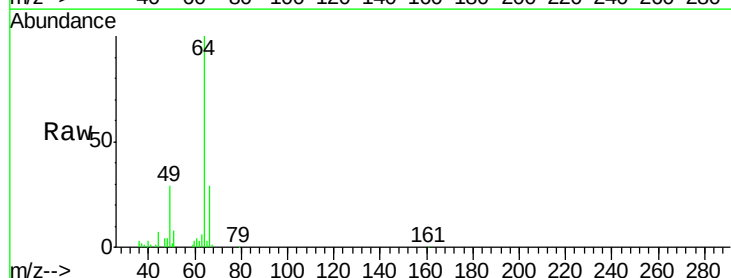
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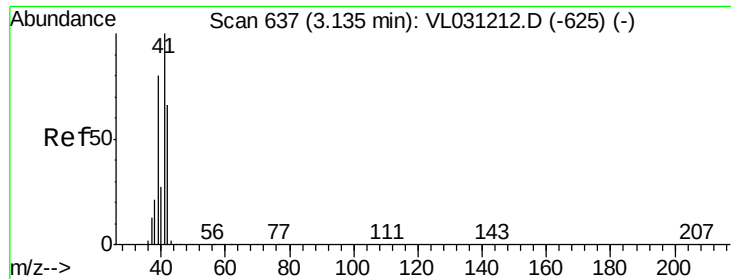
Acq: 14 Dec 2017 19:45

Tgt Ion: 64 Resp: 131991
Ion Ratio Lower Upper

64 100

66 28.8 26.2 39.2





#9

Propene

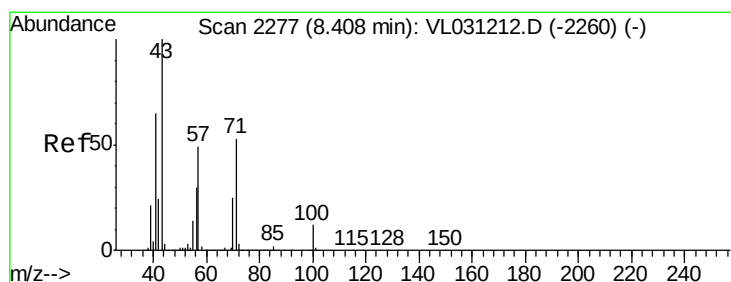
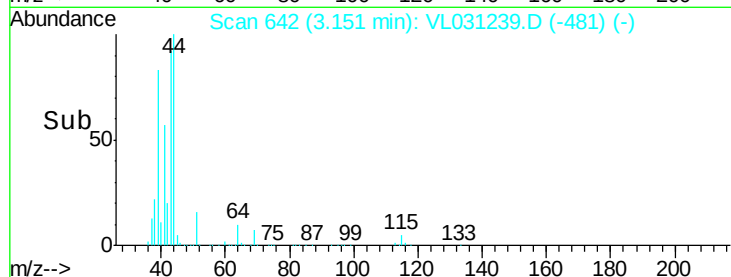
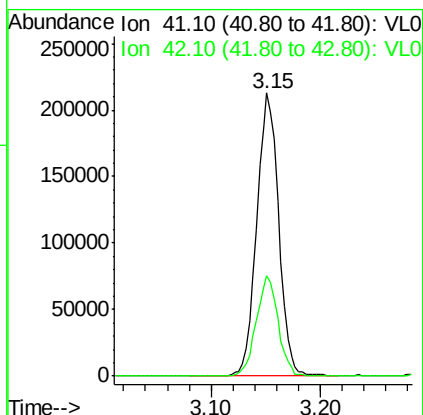
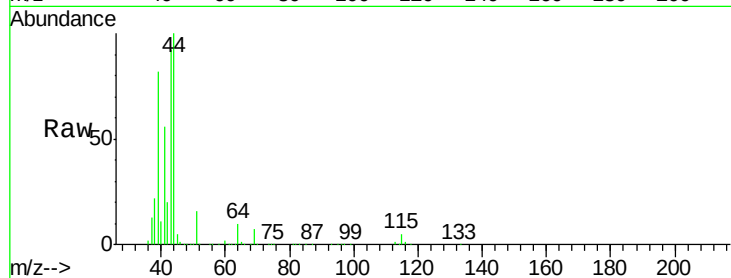
Concen: 3.65 ppbv m
RT: 3.15 min Scan# 642
Delta R.T. 0.02 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion: 41 Resp: 295857
Ion Ratio Lower Upper
41 100
42 31.6 54.3 81.5#

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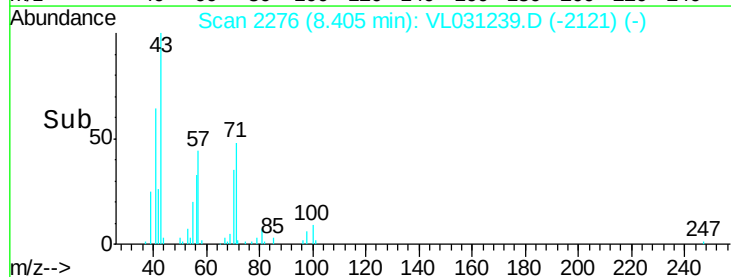
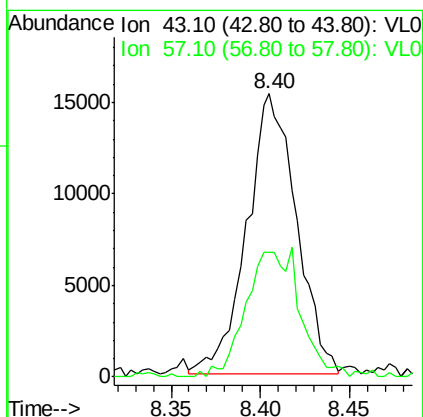
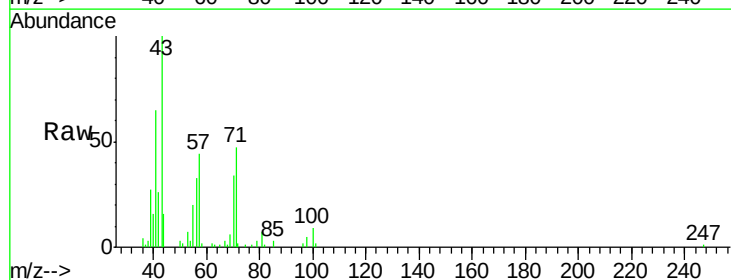


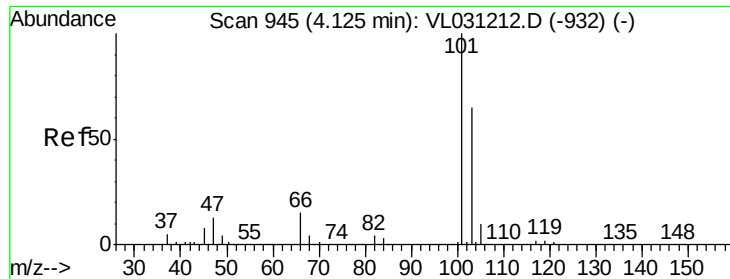
#10

Heptane

Concen: 0.12 ppbv
RT: 8.40 min Scan# 2276
Delta R.T. -0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion: 43 Resp: 29815
Ion Ratio Lower Upper
43 100
57 50.0 39.8 59.8





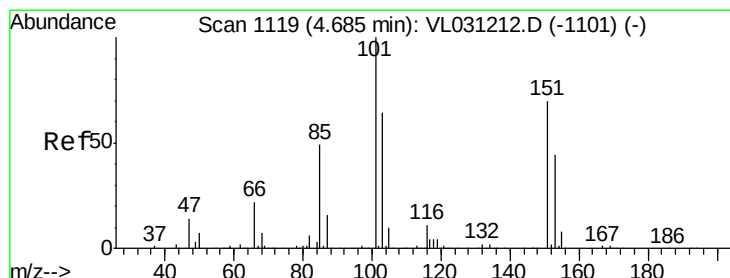
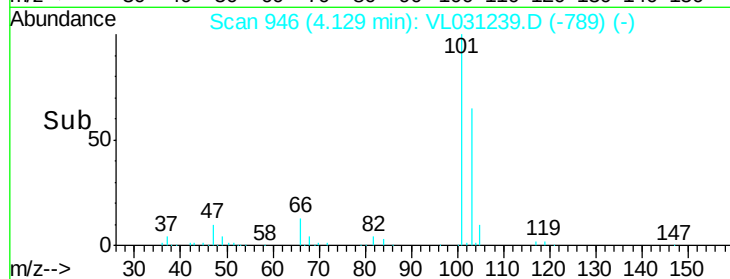
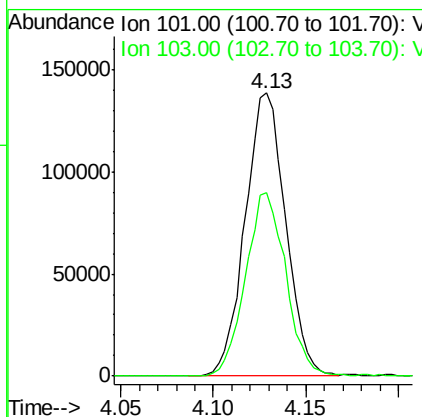
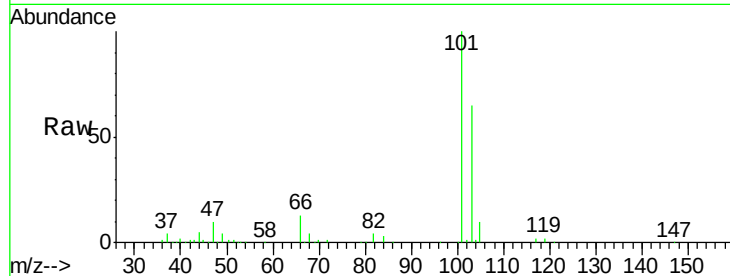
#11
 Trichlorofluoromethane
 Concen: 1.05 ppbv
 RT: 4.13 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDUP

Tgt Ion:101 Resp: 211179
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.8 77.8

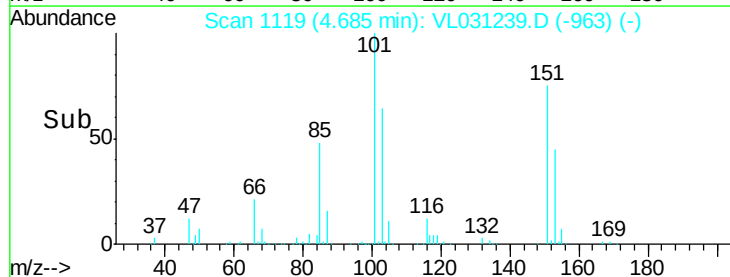
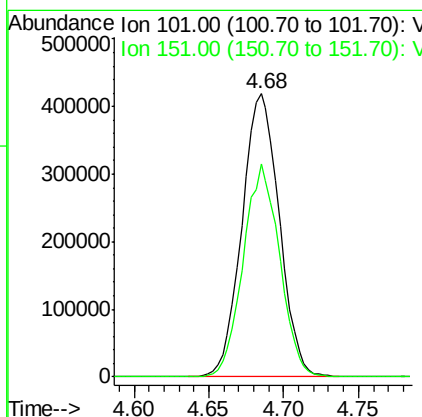
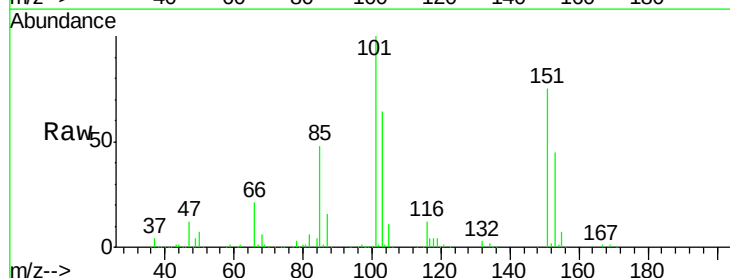
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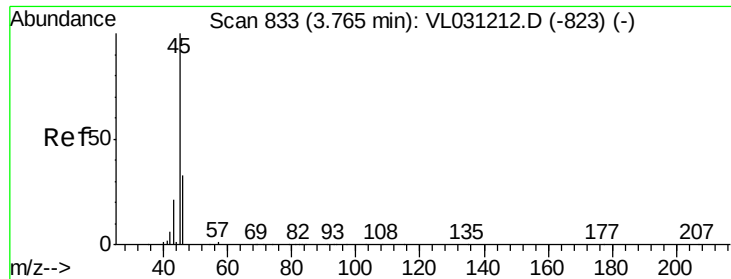
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.15 ppbv
 RT: 4.68 min Scan# 1119
 Delta R.T. 0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Tgt Ion:101 Resp: 727356
 Ion Ratio Lower Upper
 101 100
 151 73.3 56.5 84.7





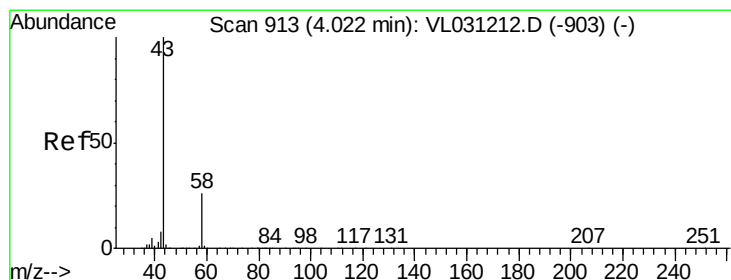
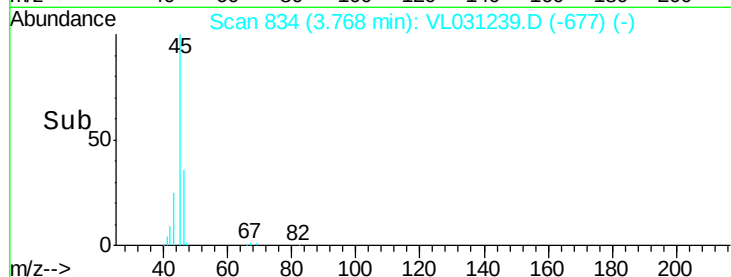
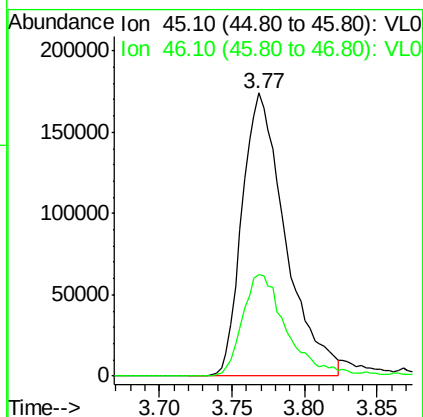
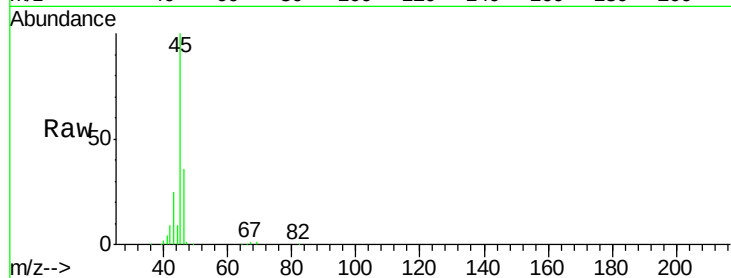
#13
Ethanol
Concen: 15.47 ppbv
RT: 3.77 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion: 45 Resp: 361807
Ion Ratio Lower Upper
45 100
46 37.8 14.6 58.4

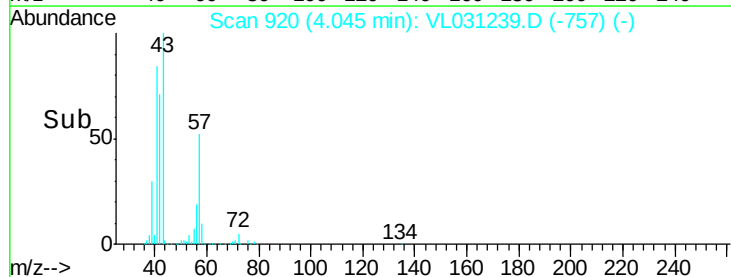
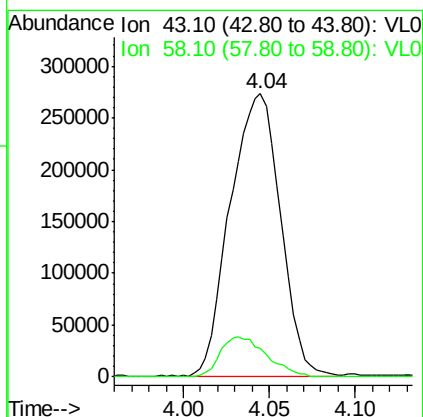
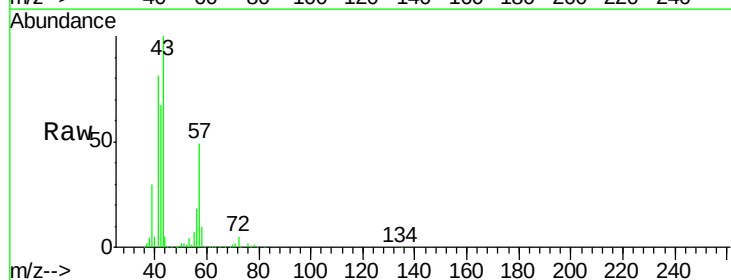
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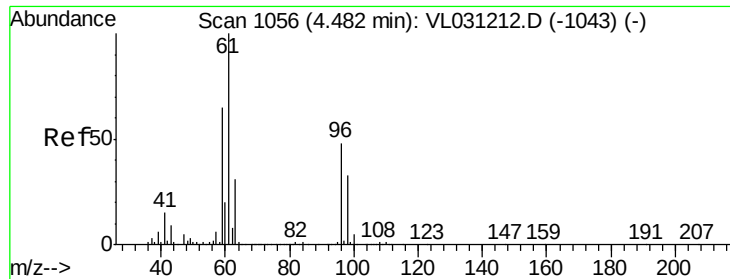
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#15
Acetone
Concen: 2.87 ppbv
RT: 4.04 min Scan# 920
Delta R.T. 0.02 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion: 43 Resp: 550846
Ion Ratio Lower Upper
43 100
58 13.3 20.3 30.5#





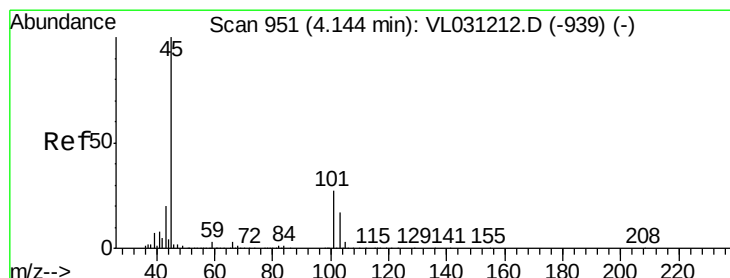
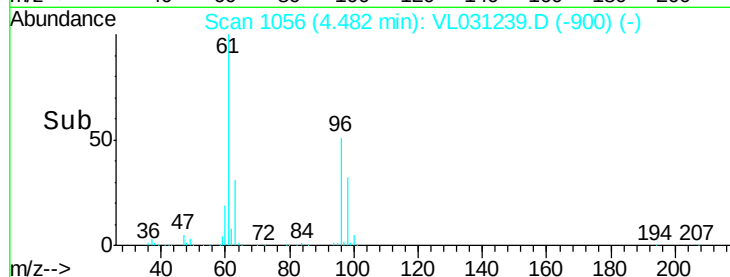
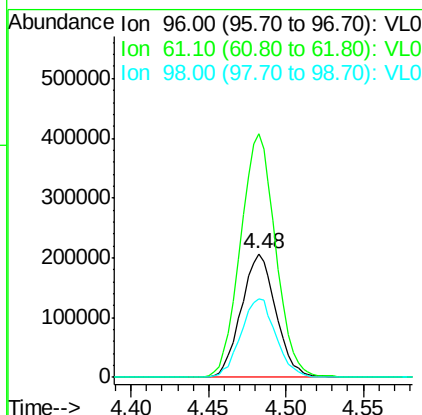
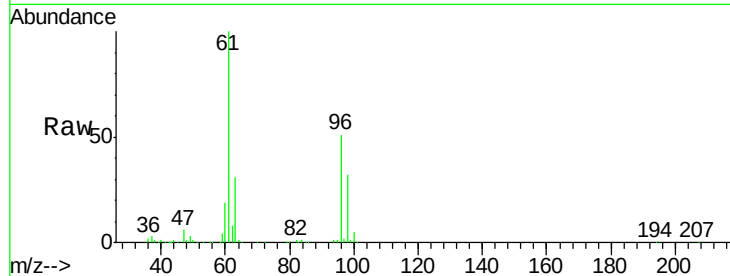
#18
 1,1-Dichloroethene
 Concen: 5.09 ppbv
 RT: 4.48 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDUP

Tgt Ion	Ratio	Lower	Upper
96	100		
61	197.1	166.8	250.2
98	63.9	55.0	82.6

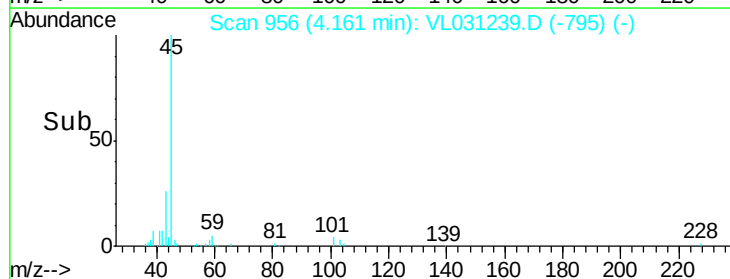
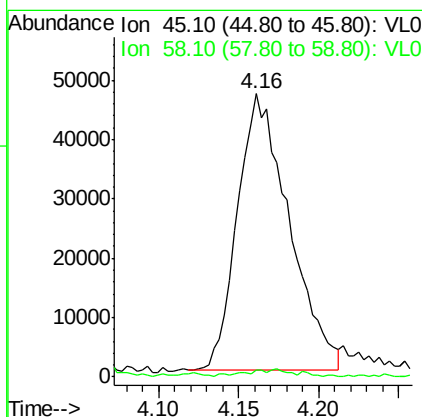
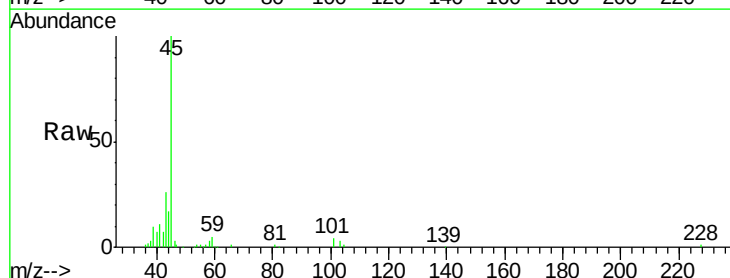
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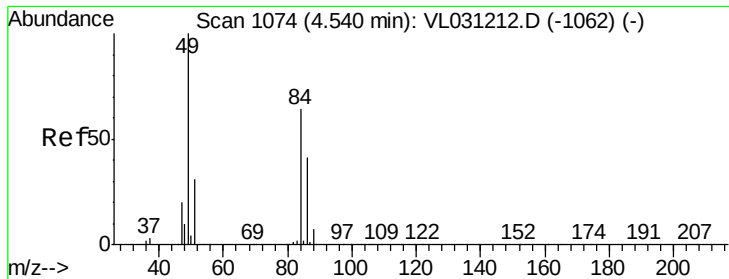
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#19
 Isopropyl Alcohol
 Concen: 0.85 ppbv
 RT: 4.16 min Scan# 956
 Delta R.T. 0.02 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
45	100		
58	3.0	27.2	40.8#





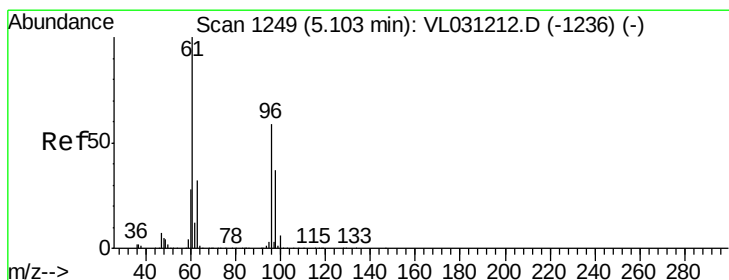
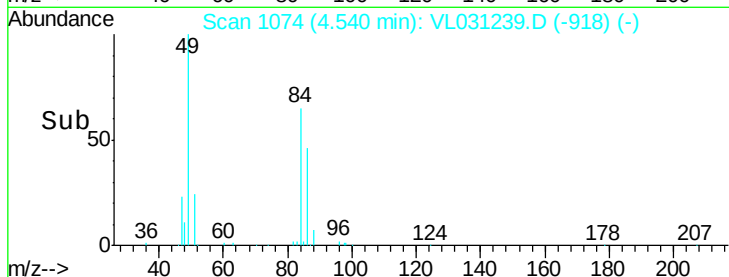
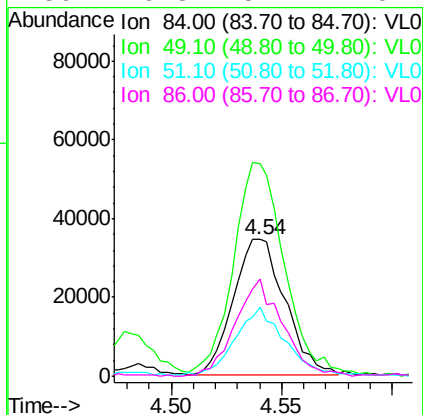
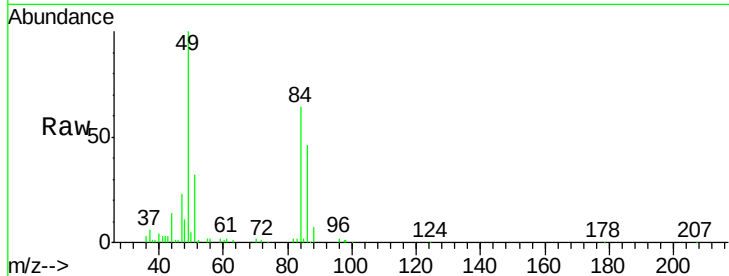
#20
Methylene Chloride
Concen: 0.88 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion	Ratio	Lower	Upper
84	100		
49	153.4	125.8	188.6
51	49.4	39.3	58.9
86	70.8	51.1	76.7

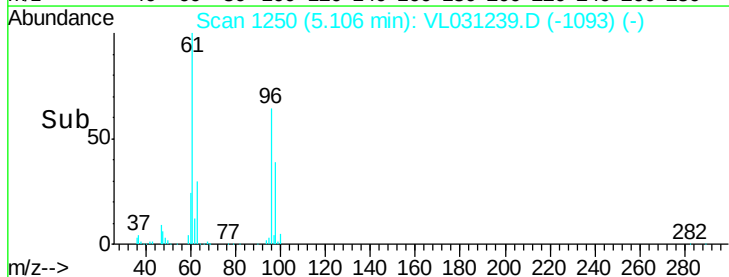
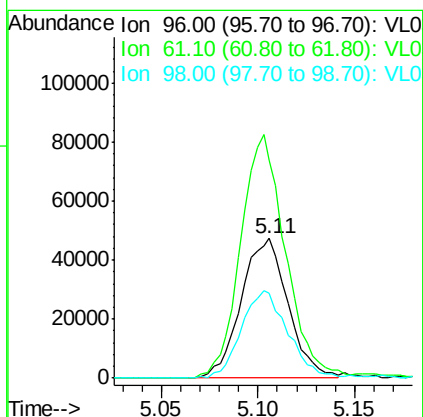
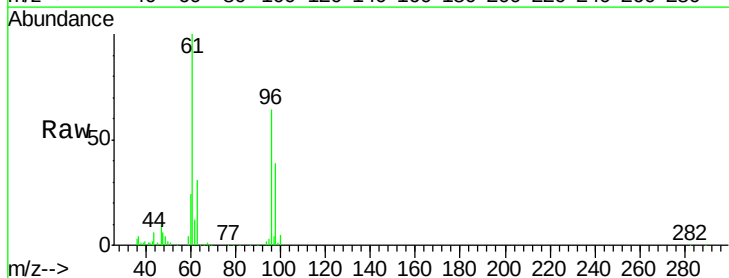
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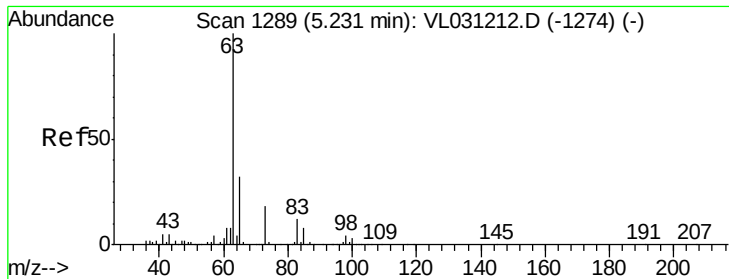
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#22
trans-1,2-Dichloroethene
Concen: 1.02 ppbv
RT: 5.11 min Scan# 1250
Delta R.T. 0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.9	135.0	202.4
98	60.7	50.5	75.7





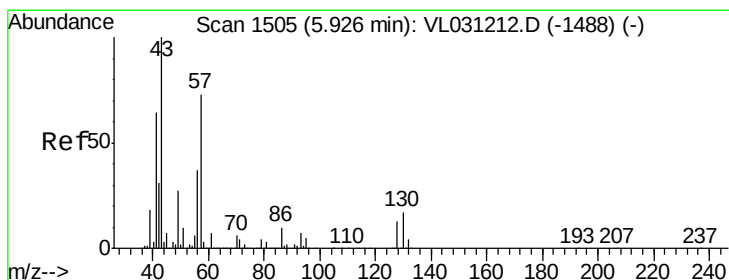
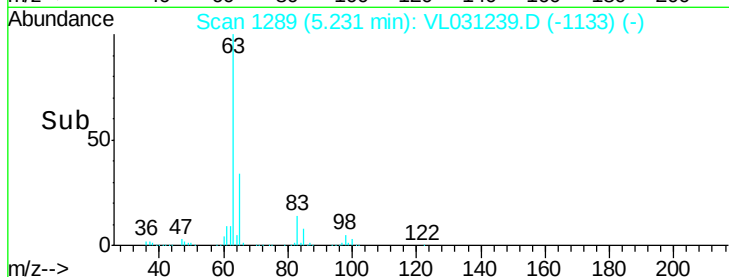
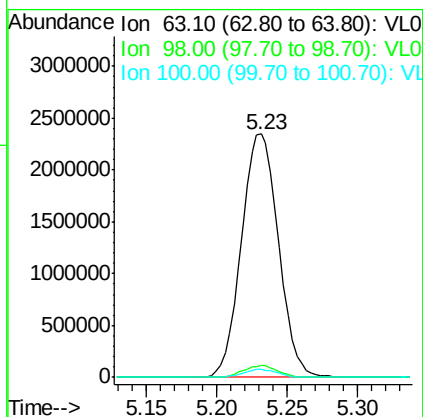
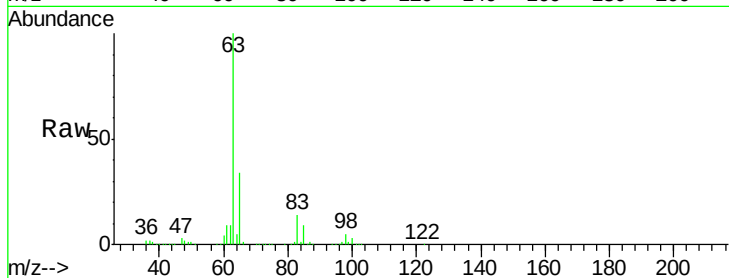
#24
 1,1-Dichloroethane
 Concen: 19.25 ppbv
 RT: 5.23 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDUP

Tgt Ion: 63 Resp: 4319336
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.3 6.8
 100 3.1 1.4 4.2

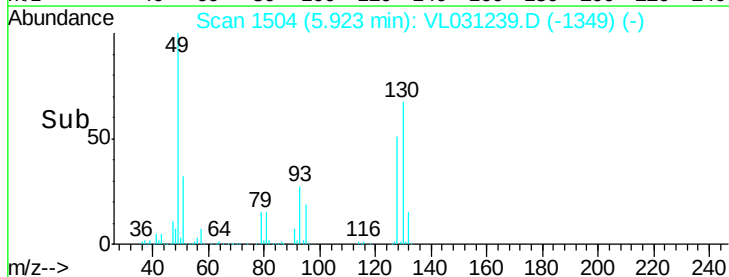
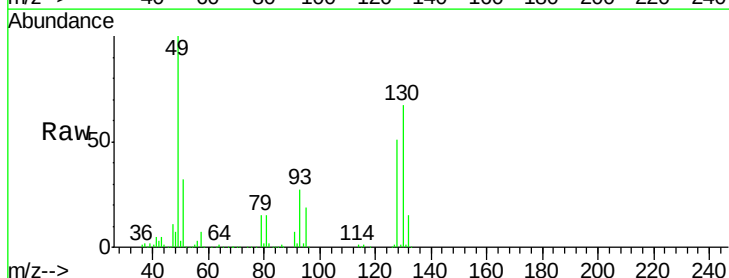
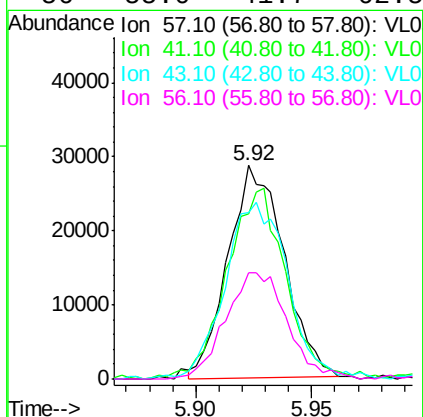
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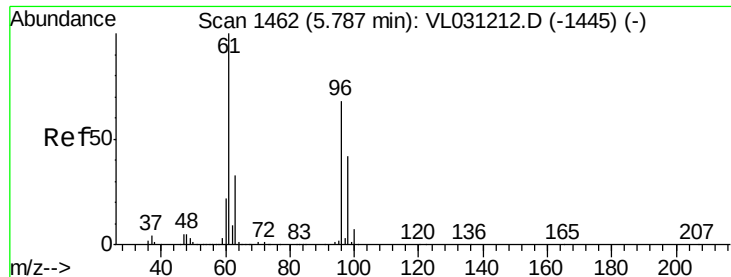
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#26
 Hexane
 Concen: 0.26 ppbv
 RT: 5.92 min Scan# 1504
 Delta R.T. -0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Tgt Ion: 57 Resp: 48144
 Ion Ratio Lower Upper
 57 100
 41 95.4 70.3 105.5
 43 93.9 173.8 260.8#
 56 55.0 41.7 62.5





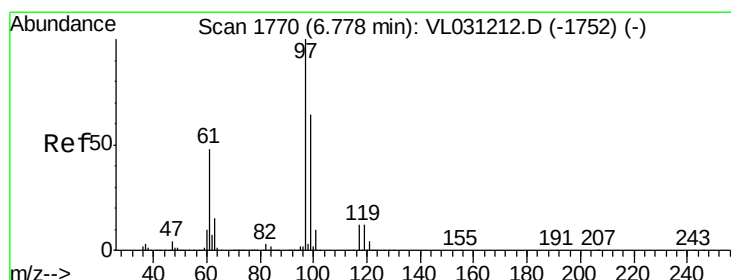
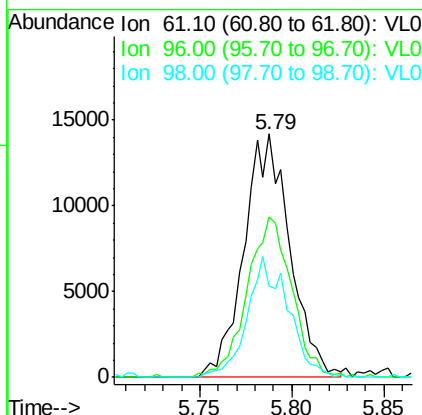
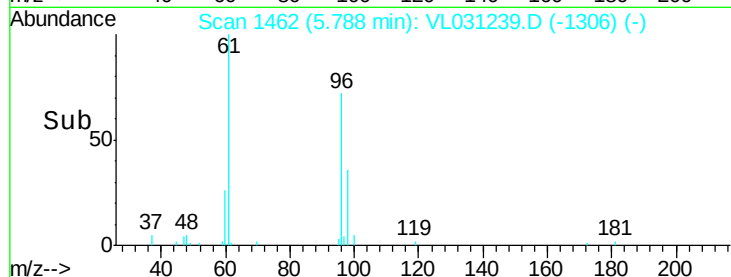
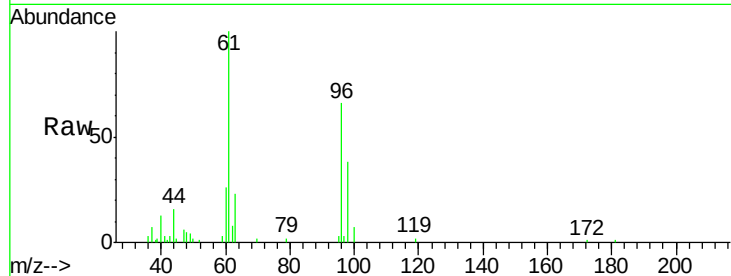
#31
 cis-1,2-Dichloroethene
 Concen: 0.15 ppbv m
 RT: 5.79 min Scan# 1462
 Delta R.T. 0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDUP

Tgt Ion	Ratio	Lower	Upper
61	100		
96	66.1	54.4	81.6
98	37.7	33.6	50.4

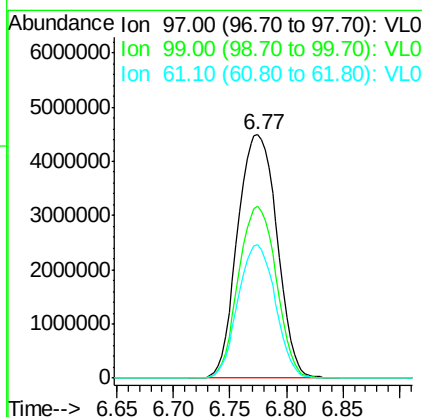
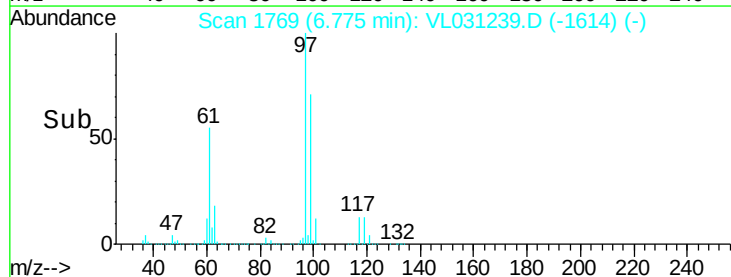
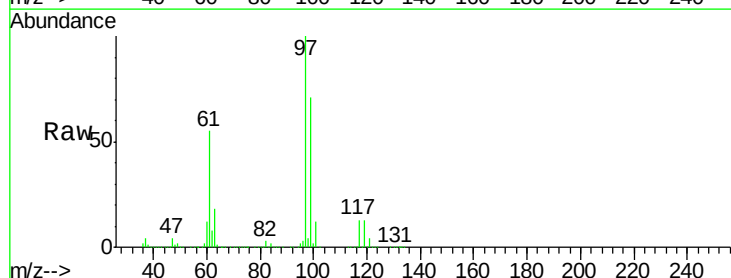
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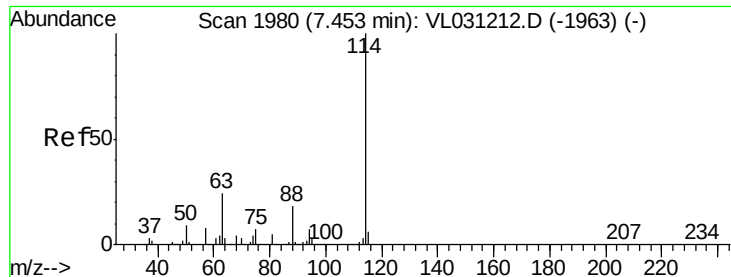
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#32
 1,1,1-Trichloroethane
 Concen: 40.71 ppbv
 RT: 6.77 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.8	51.4	77.0
61	52.0	38.4	57.6





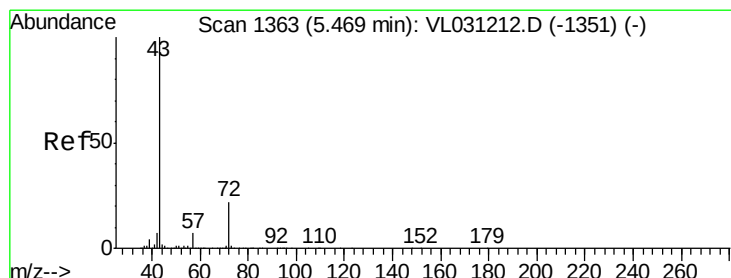
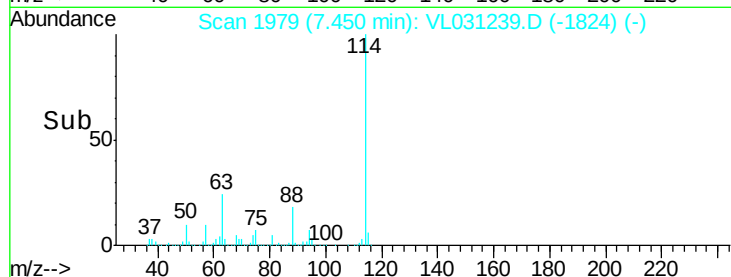
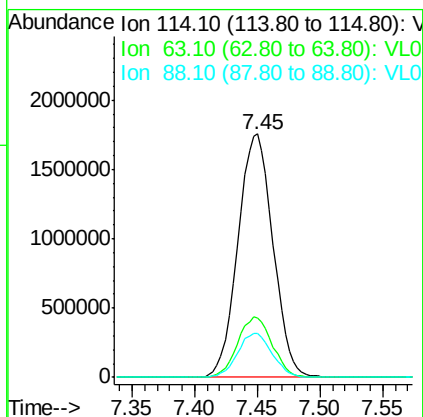
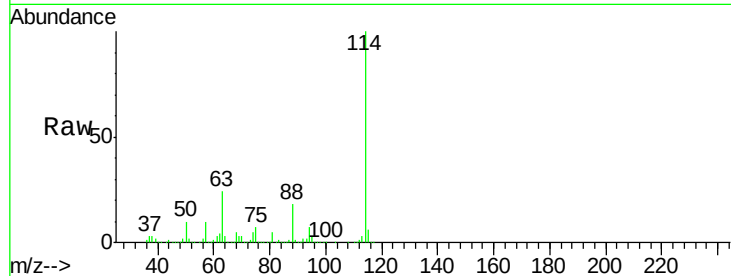
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDUP

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.8	29.8
88	17.8	14.2	21.4

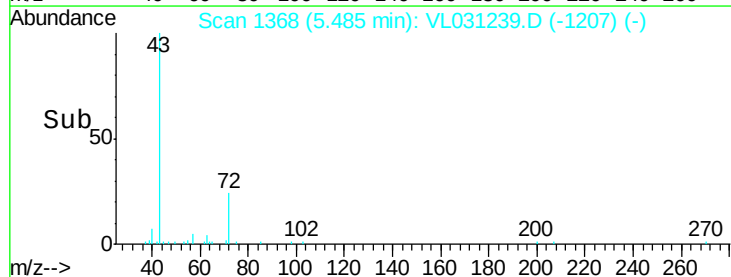
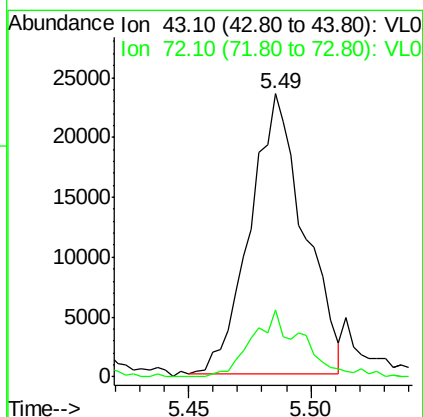
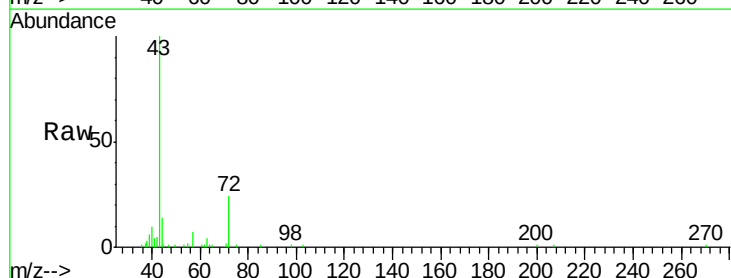
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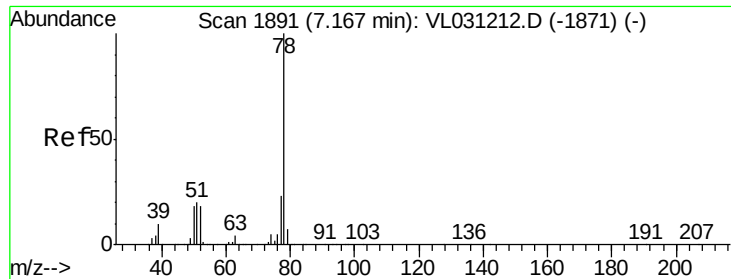
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#34
 2-Butanone
 Concen: 0.15 ppbv
 RT: 5.49 min Scan# 1368
 Delta R.T. 0.02 min
 Lab File: VL031239.D
 Acq: 14 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	18.1	27.1





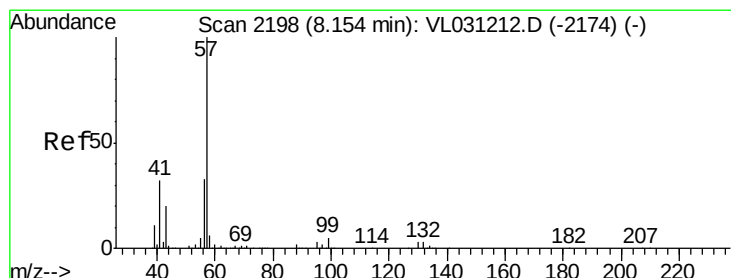
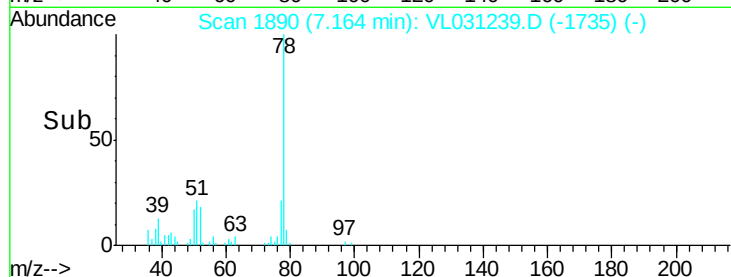
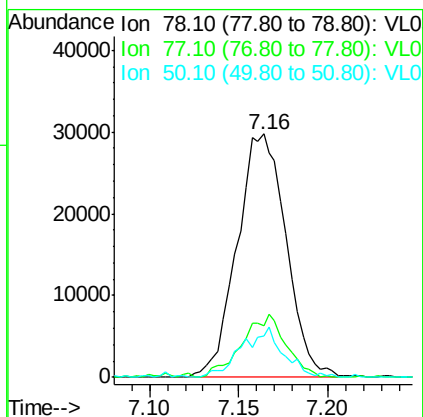
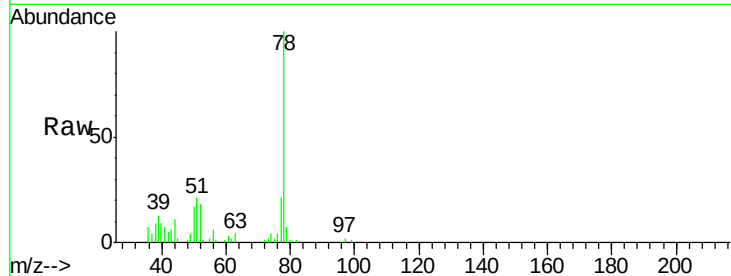
#36
Benzene
Concen: 0.16 ppbv
RT: 7.16 min Scan# 1890
Delta R.T. -0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.1	27.1
50	16.9	14.6	21.8

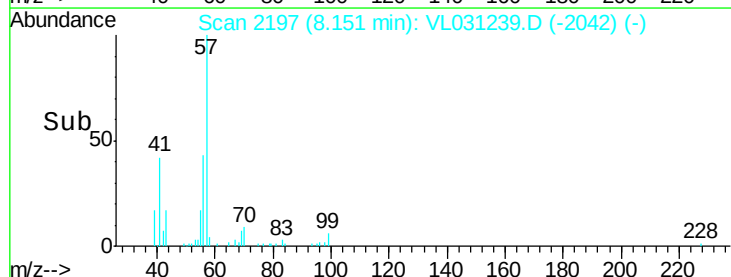
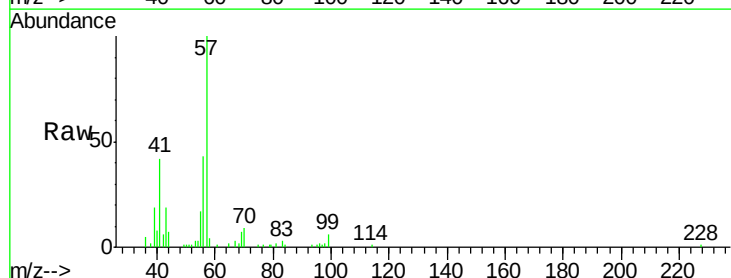
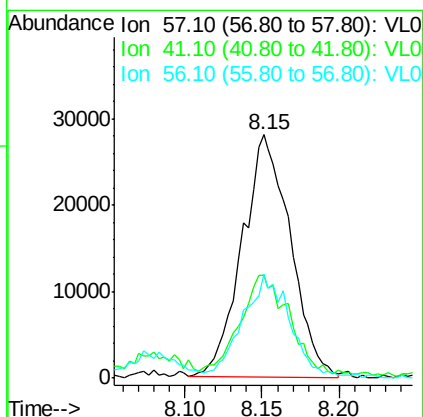
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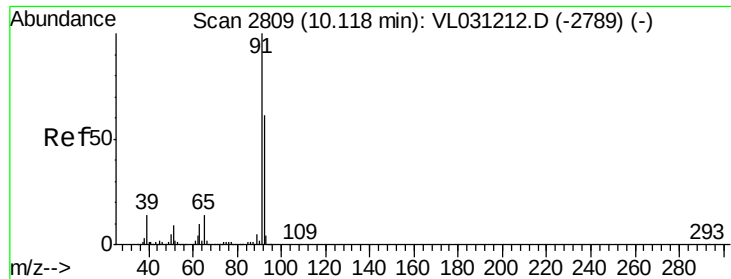
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#44
2,2,4-Trimethylpentane
Concen: 0.11 ppbv
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion	Ratio	Lower	Upper
57	100		
41	45.9	25.5	38.3#
56	42.6	25.0	37.6#





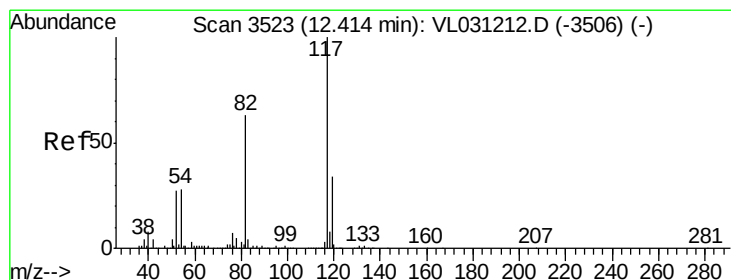
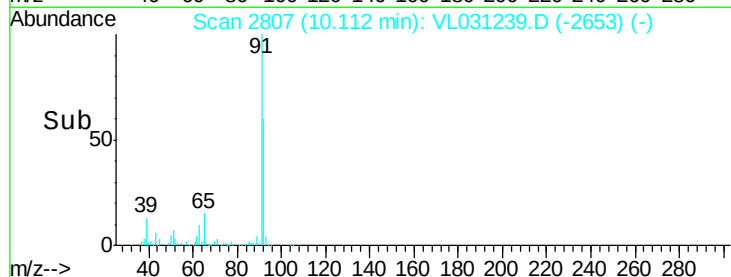
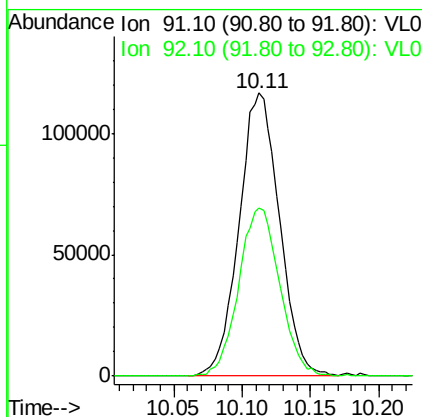
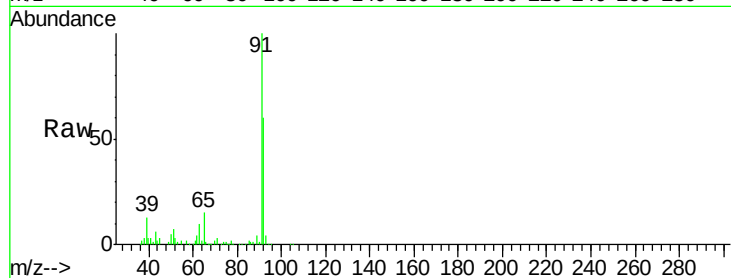
#53
Toluene
Concen: 0.61 ppbv
RT: 10.11 min Scan# 2807
Delta R.T. -0.01 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion: 91 Resp: 240068
Ion Ratio Lower Upper
91 100
92 60.5 49.1 73.7

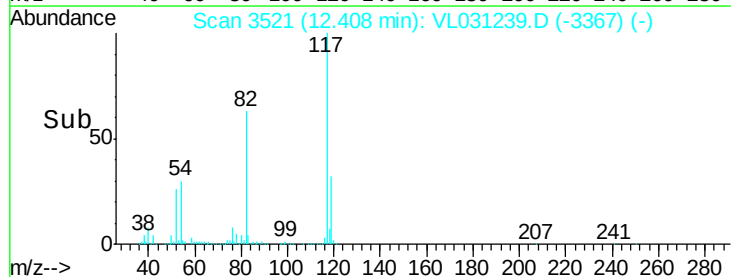
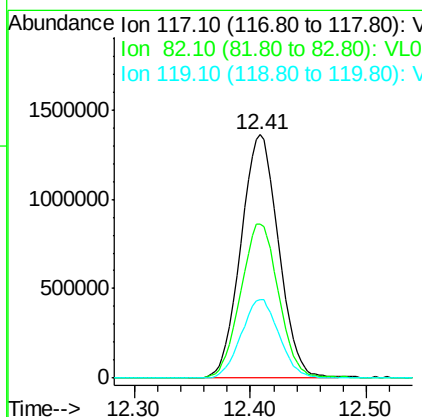
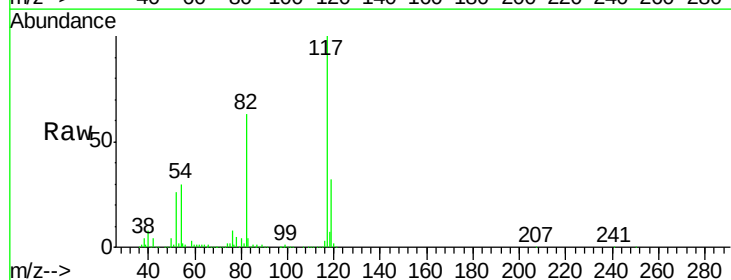
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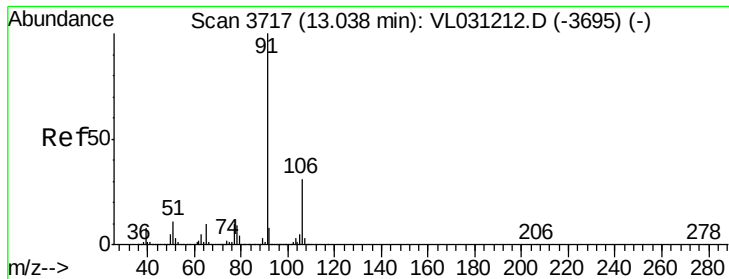
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.41 min Scan# 3521
Delta R.T. -0.01 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion: 117 Resp: 3076984
Ion Ratio Lower Upper
117 100
82 64.4 48.1 72.1
119 32.7 23.1 34.7





#58

Ethyl Benzene

Concen: 0.07 ppbv

RT: 13.03 min Scan# 3715

Delta R.T. -0.01 min

Lab File: VL031239.D

Acq: 14 Dec 2017 19:45

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDUP

Tgt Ion: 91 Resp: 35163

Ion Ratio Lower Upper

91 100

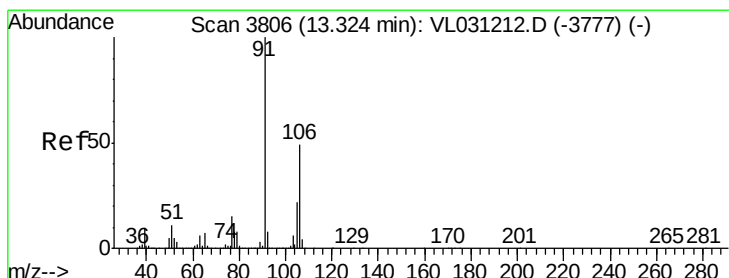
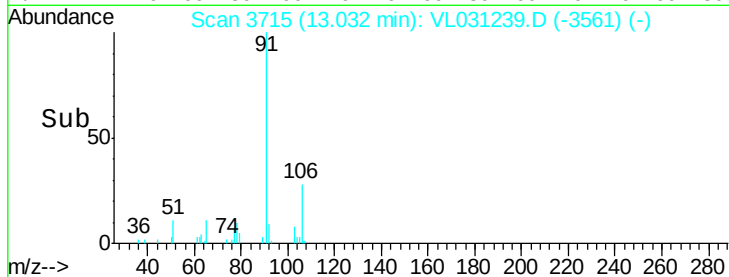
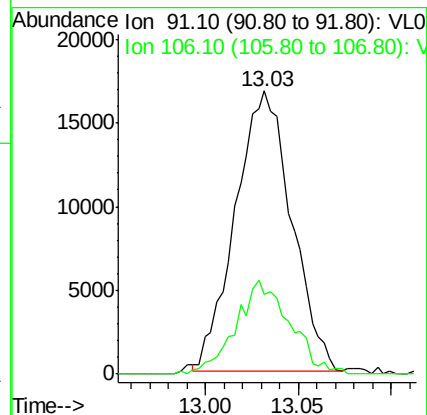
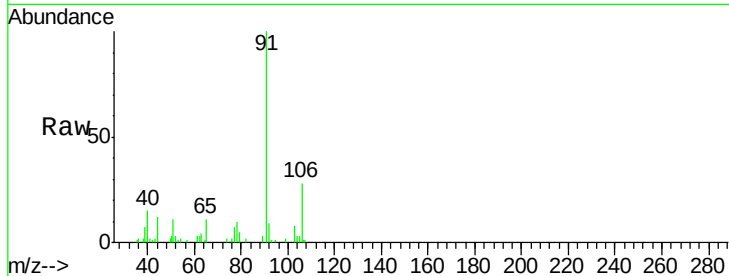
106 27.1 25.1 37.7

Manual Integrations

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#59

m/p-Xylene

Concen: 0.24 ppbv m

RT: 13.29 min Scan# 3794

Delta R.T. -0.04 min

Lab File: VL031239.D

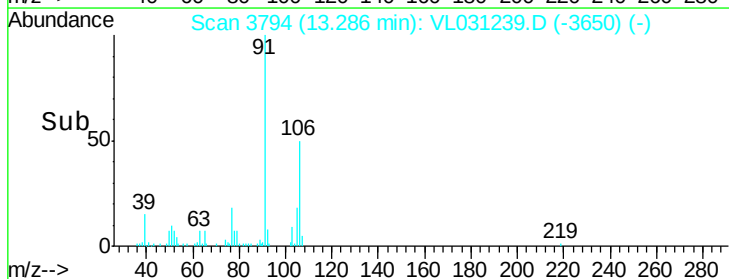
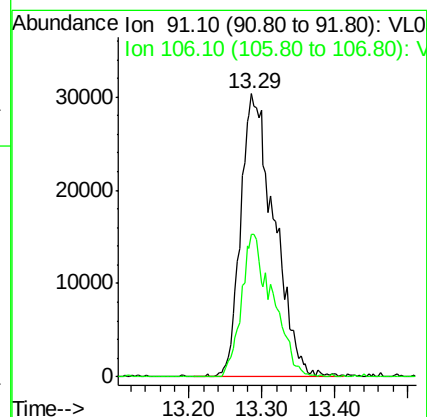
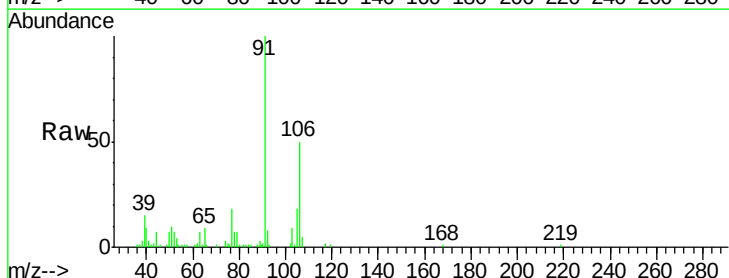
Acq: 14 Dec 2017 19:45

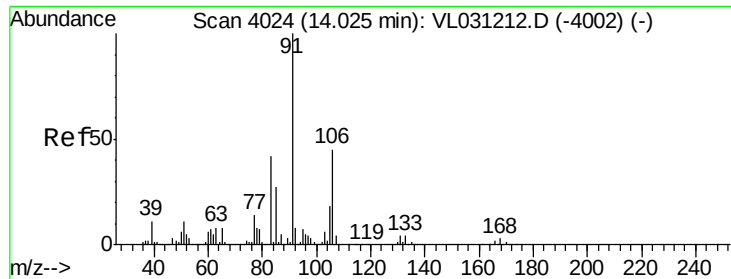
Tgt Ion: 91 Resp: 96875

Ion Ratio Lower Upper

91 100

106 0.0 38.5 57.7#





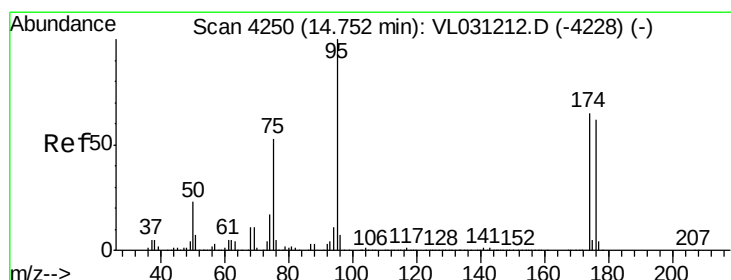
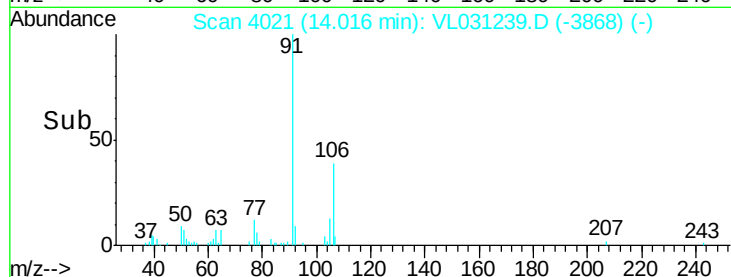
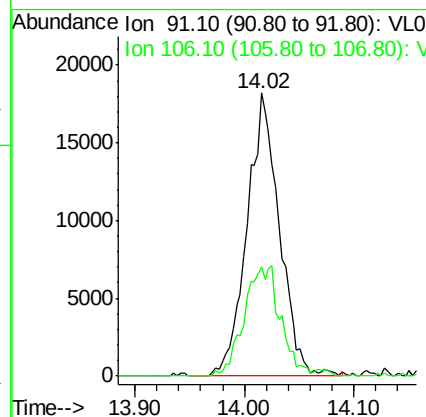
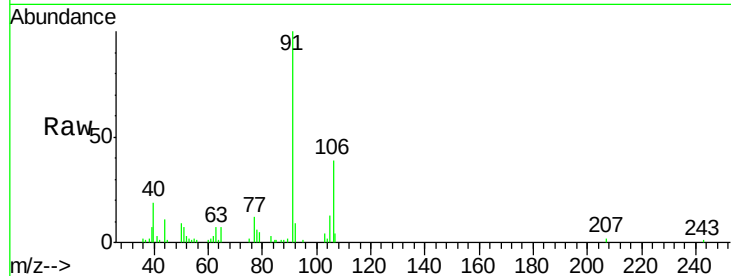
#60
o-Xylene
Concen: 0.09 ppbv m
RT: 14.02 min Scan# 4021
Delta R.T. -0.01 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDUP

Tgt Ion: 91 Resp: 37389
Ion Ratio Lower Upper
91 100
106 44.4 22.7 68.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 11.32 ppbv
RT: 14.75 min Scan# 4248
Delta R.T. -0.01 min
Lab File: VL031239.D
Acq: 14 Dec 2017 19:45

Tgt Ion: 95 Resp: 2477065
Ion Ratio Lower Upper
95 100
174 62.0 52.5 78.7
175 4.7 4.1 6.1

