

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032322.D
 Acq On : 27 Jul 2018 17:01
 Operator : SY/AP
 Sample : J4131-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Manual Integrations
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Quant Time: Jul 29 08:39:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1802294	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3535656	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4277418	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3446748	10.38	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	38500	0.18	ppbv	98
3) Chlorodifluoromethane	3.06	51	21989m	0.12	ppbv	
4) Chloromethane	3.22	50	18433	0.17	ppbv #	84
9) Propene	3.08	41	274311	3.39	ppbv	91
10) Heptane	8.32	43	85999	0.30	ppbv	96
11) Trichlorofluoromethane	4.06	101	4136823	19.92	ppbv	99
13) Ethanol	3.71	45	197314	8.47	ppbv	99
15) Acetone	3.95	43	1462391	8.61	ppbv #	63
17) tert-Butyl alcohol	4.43	59	42089	0.78	ppbv #	73
19) Isopropyl Alcohol	4.12	45	277460m	2.45	ppbv	
20) Methylene Chloride	4.47	84	60028	0.88	ppbv	89
26) Hexane	5.85	57	78414	0.45	ppbv #	3
27) Carbon Disulfide	4.68	76	99906	0.64	ppbv #	89
28) Methyl tert-Butyl Ether	5.19	73	104296	0.45	ppbv	96
29) Chloroform	5.92	83	275287	1.10	ppbv	98
30) Cyclohexane	7.32	84	32446m	0.24	ppbv	
32) 1,1,1-Trichloroethane	6.69	97	42423	0.19	ppbv	98
34) 2-Butanone	5.39	43	5746164	25.11	ppbv	99
35) Carbon Tetrachloride	7.21	117	6391m	0.03	ppbv	
36) Benzene	7.08	78	63174	0.20	ppbv	94
41) Tetrahydrofuran	6.23	42	33864m	0.26	ppbv	
44) 2,2,4-Trimethylpentane	8.07	57	113941	0.17	ppbv #	60
50) 4-Methyl-2-Pentanone	8.97	43	50096m	0.12	ppbv	
51) 2-Hexanone	10.36	43	1118441	3.63	ppbv #	97
52) Tetrachloroethene	11.46	164	54071m	0.51	ppbv	
53) Toluene	10.03	91	1627377	4.37	ppbv	99
58) Ethyl Benzene	12.95	91	1761076	3.28	ppbv	96
59) m/p-Xylene	13.21	91	5062865	11.09	ppbv	99
60) o-Xylene	13.94	91	2543363	5.68	ppbv	99
61) Styrene	13.77	104	2918085	8.86	ppbv	100
62) Isopropylbenzene	14.91	105	1678020	2.64	ppbv	99
64) n-propylbenzene	15.81	120	106415	0.64	ppbv	88
65) tert-Butylbenzene	17.02	119	161338m	0.30	ppbv	
69) p-Isopropyltoluene	17.92	119	516714	0.83	ppbv #	90
72) 4-Ethyltoluene	16.09	105	596450	1.19	ppbv	98
73) 1,3,5-Trimethylbenzene	16.25	105	646698	1.31	ppbv	97
74) 1,2,4-Trimethylbenzene	17.01	105	1410611	2.71	ppbv #	70
79) Naphthalene	22.52	128	315904m	0.70	ppbv	
80) Naphthalene,2-methyl-	25.18	142	33319	0.19	ppbv	89

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

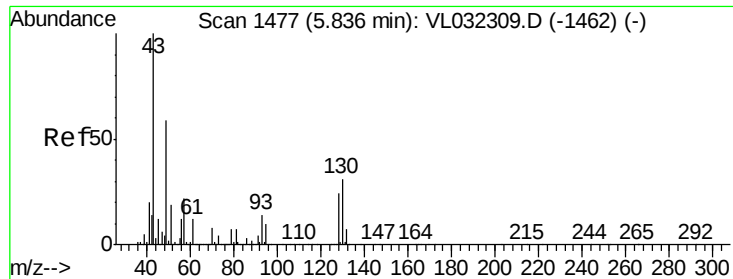
Manual Integrations
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Quant Time: Jul 29 08:39:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



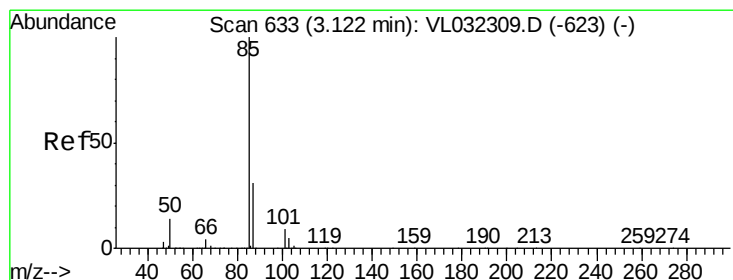
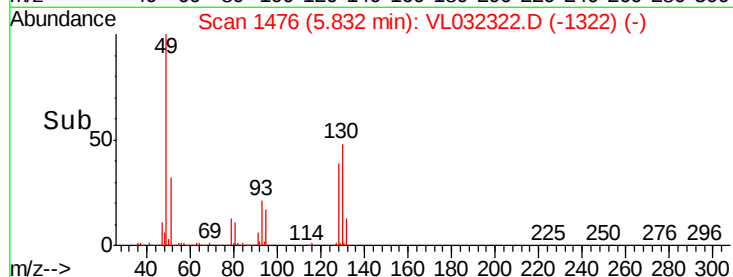
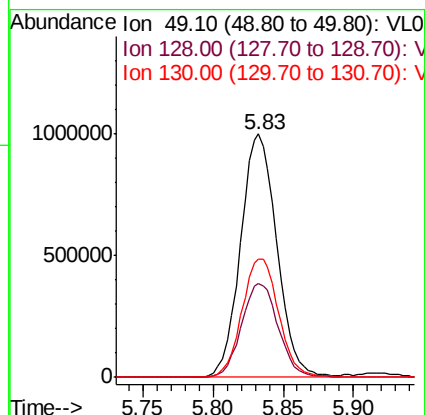
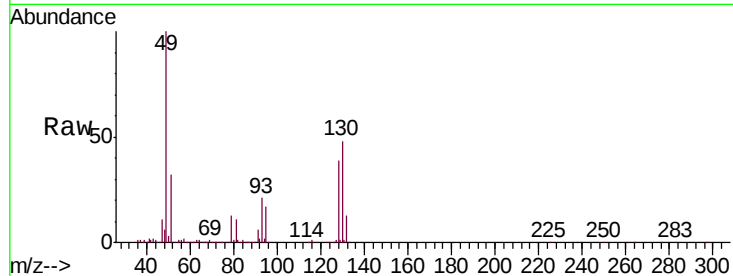
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1476
 Delta R.T. -0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1

Tot Ion: 49 Resp: 1802294
 Ion Ratio Lower Upper
 49 100
 128 39.4 20.2 60.6
 130 49.8 25.8 77.3

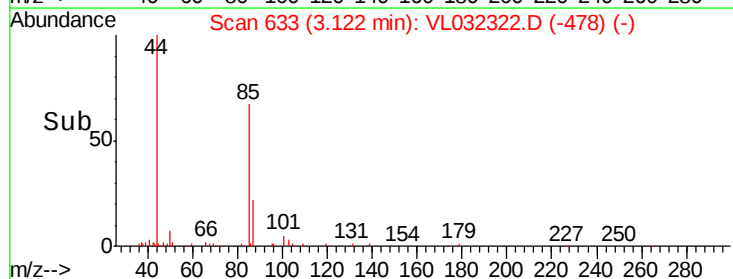
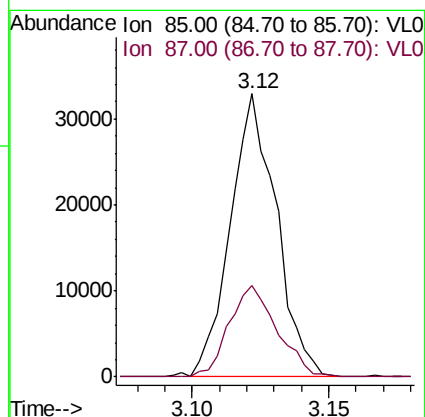
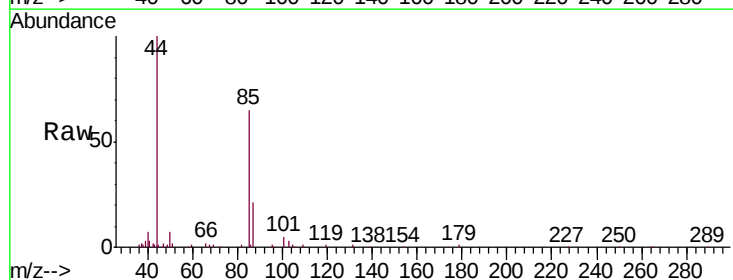
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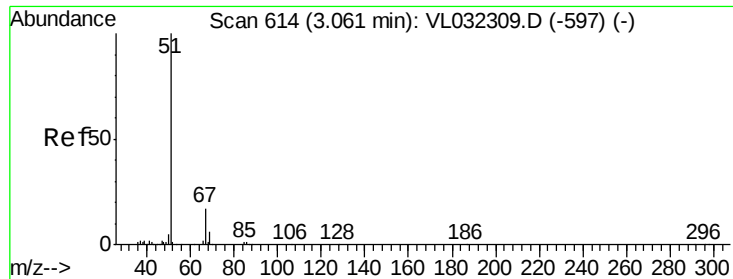
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#2
 Dichlorodifluoromethane
 Concen: 0.18 ppbv
 RT: 3.12 min Scan# 633
 Delta R.T. -0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Tgt Ion: 85 Resp: 38500
 Ion Ratio Lower Upper
 85 100
 87 32.4 25.2 37.8





#3

Chlorodifluoromethane

Concen: 0.12 ppbv m

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

ClientSampleId :

SG-1

Tot Ion: 51 Resp: 21989

Ion Ratio Lower Upper

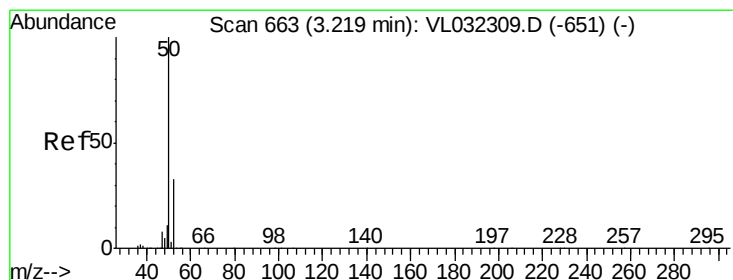
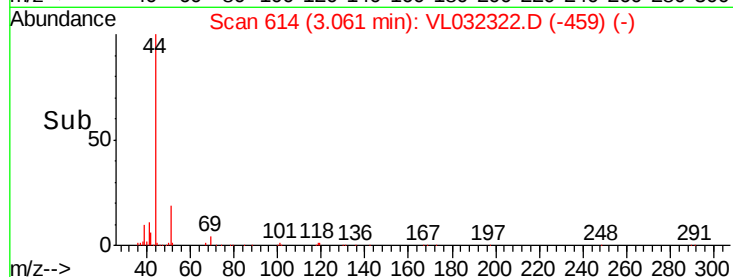
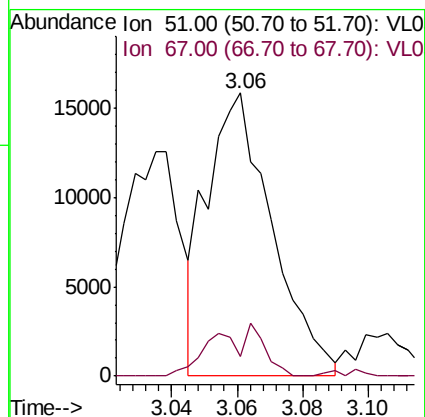
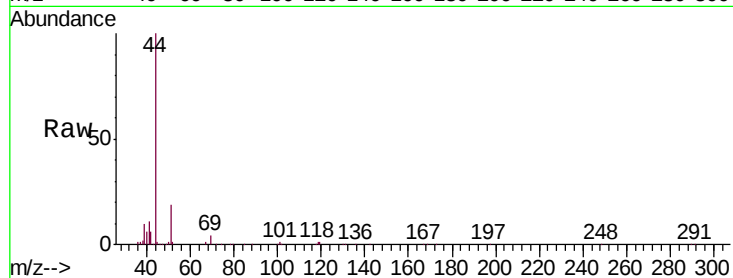
51 100

67 14.8 13.5 20.3

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#4

Chloromethane

Concen: 0.17 ppbv

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL032322.D

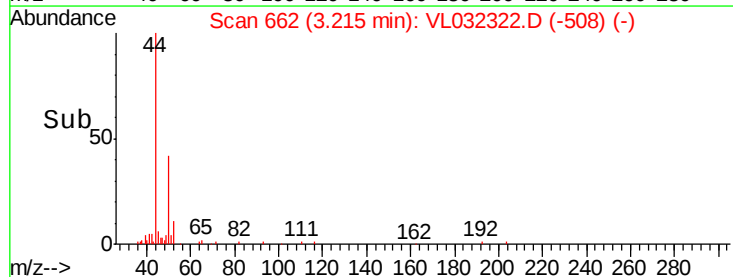
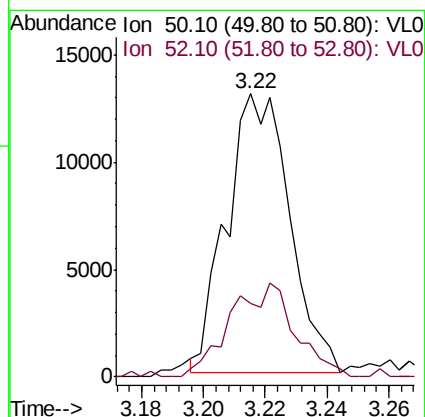
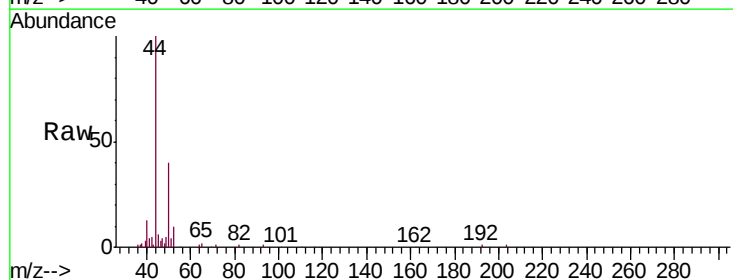
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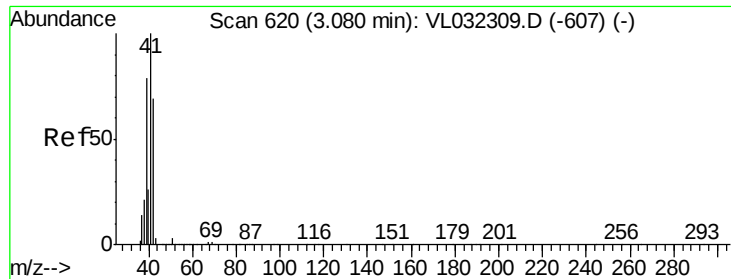
Tgt Ion: 50 Resp: 18433

Ion Ratio Lower Upper

50 100

52 23.5 26.2 39.4#





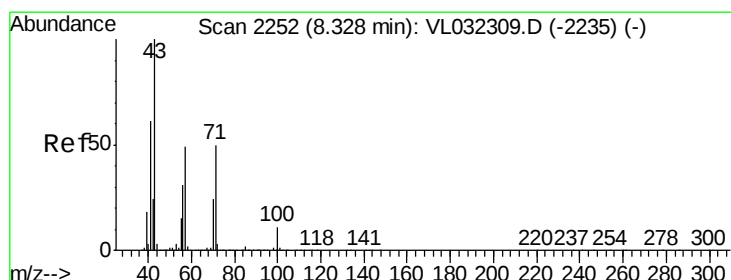
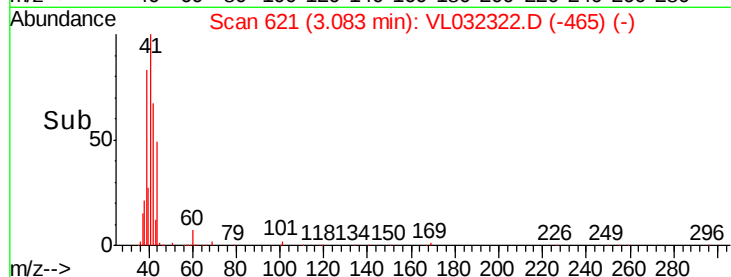
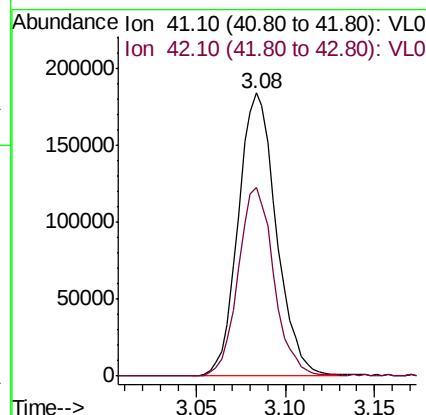
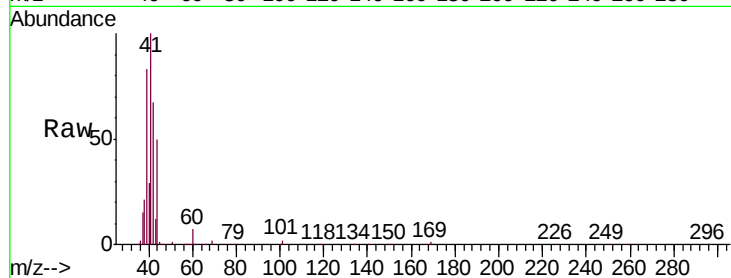
#9
 Propene
 Concen: 3.39 ppbv
 RT: 3.08 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Tot Ion	Ratio	Lower	Upper
41	100		
42	63.2	56.8	85.2

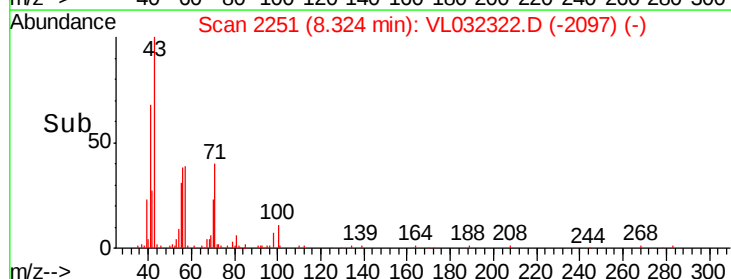
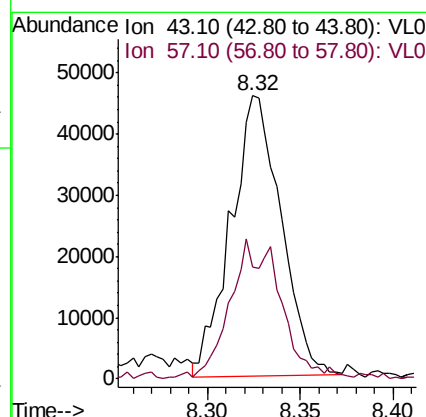
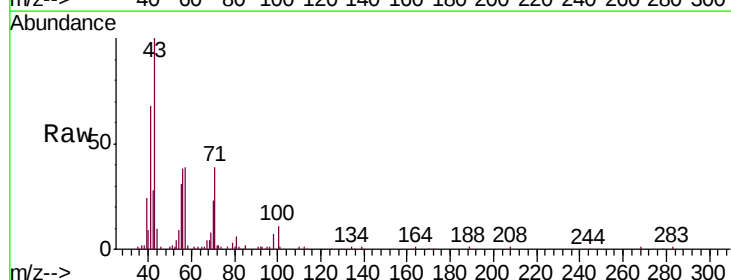
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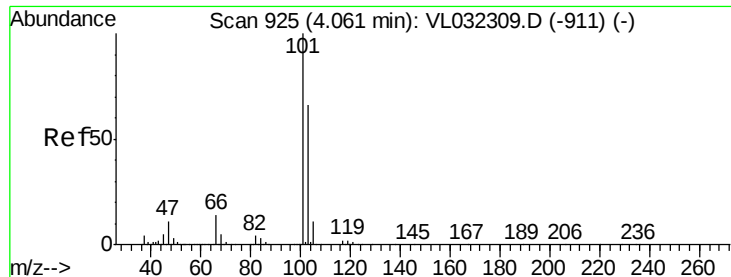
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#10
 Heptane
 Concen: 0.30 ppbv
 RT: 8.32 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
57	51.7	39.0	58.4





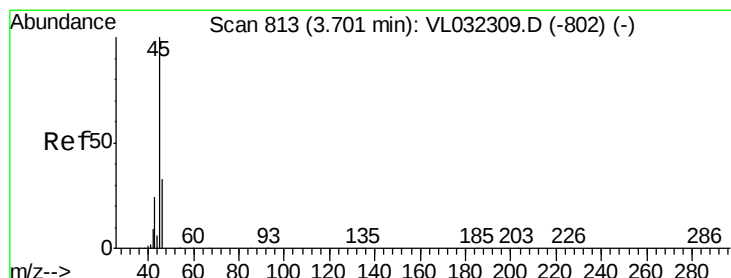
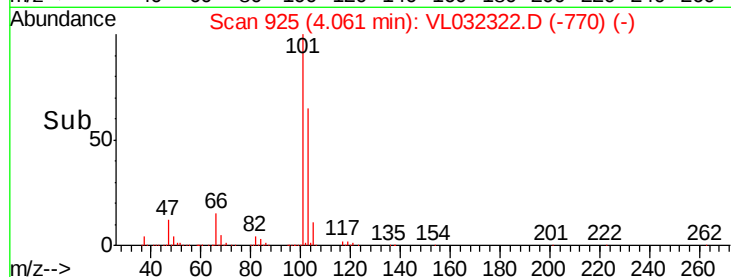
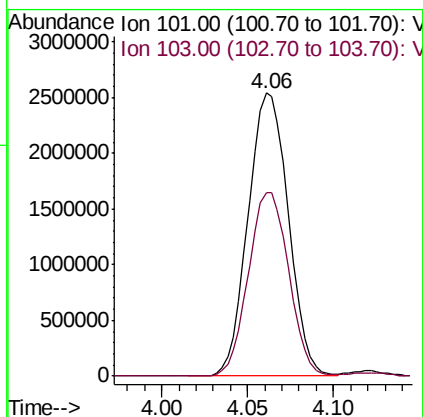
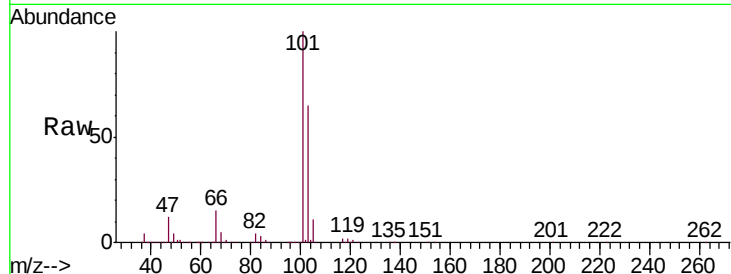
#11
 Trichlorofluoromethane
 Concen: 19.92 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Tot Ion:101 Resp: 4136823
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

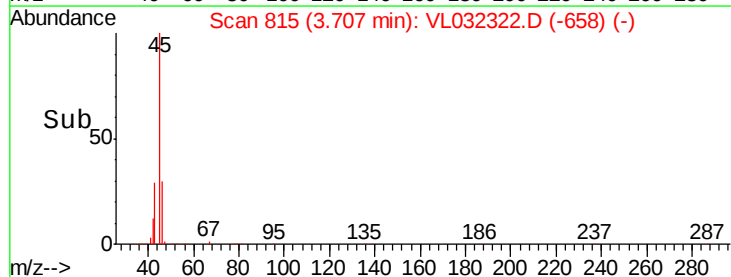
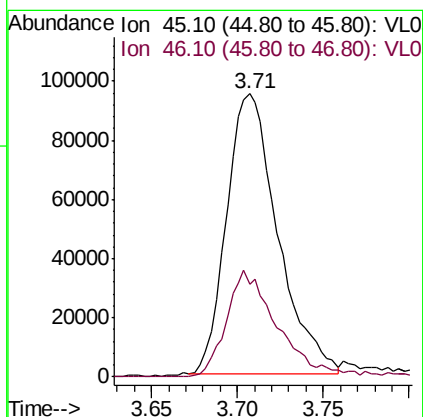
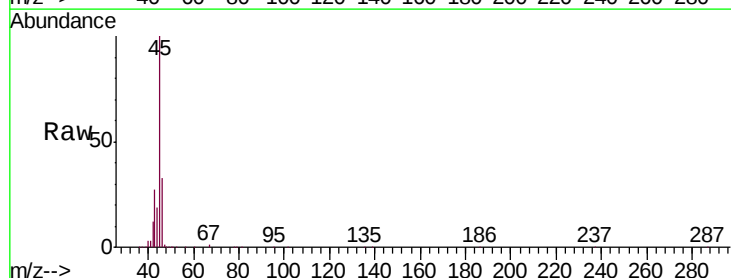
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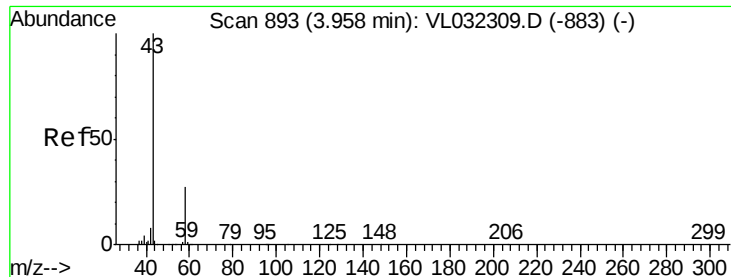
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#13
 Ethanol
 Concen: 8.47 ppbv
 RT: 3.71 min Scan# 815
 Delta R.T. 0.01 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Tgt Ion: 45 Resp: 197314
 Ion Ratio Lower Upper
 45 100
 46 38.5 15.2 60.6





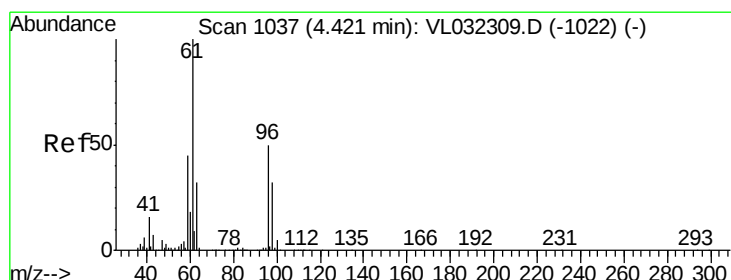
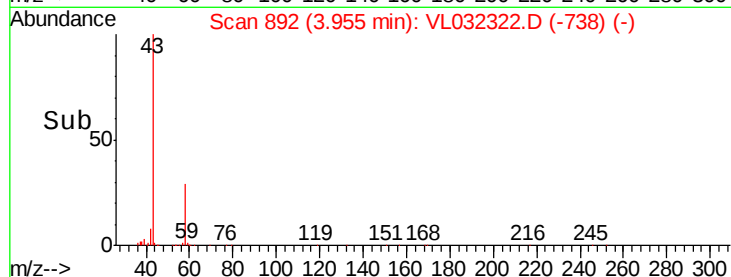
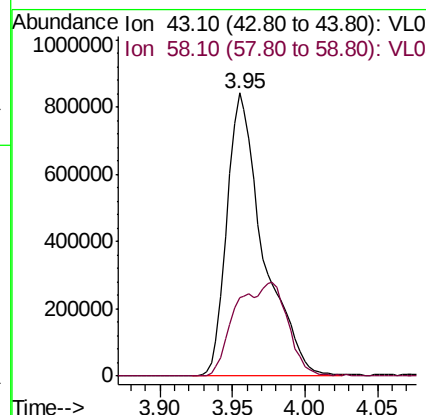
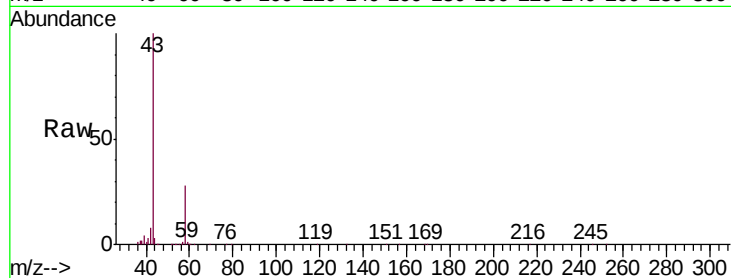
#15
Acetone
Concen: 8.61 ppbv
RT: 3.95 min Scan# 892
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion: 43 Resp: 1462391
Ion Ratio Lower Upper
43 100
58 47.7 22.5 33.7#

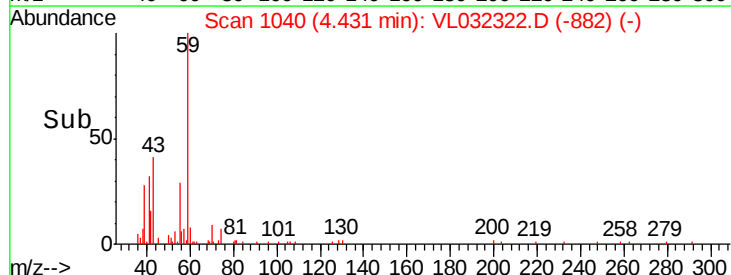
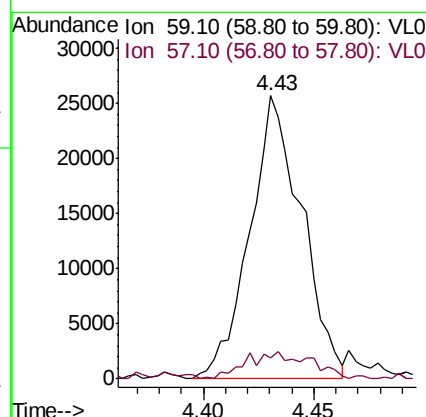
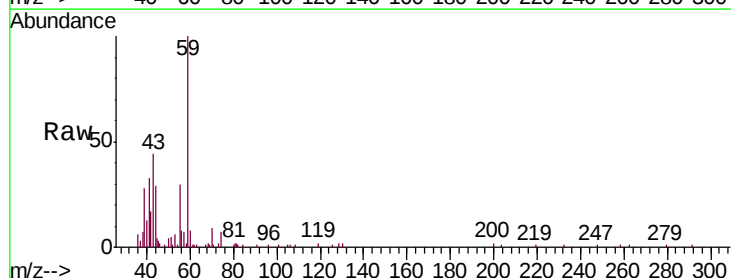
Manual Integrations
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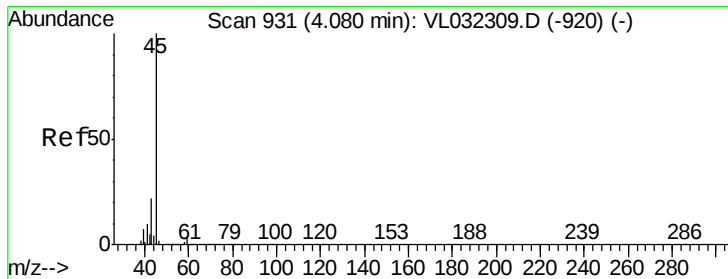
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#17
tert-Butyl alcohol
Concen: 0.78 ppbv
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion: 59 Resp: 42089
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#





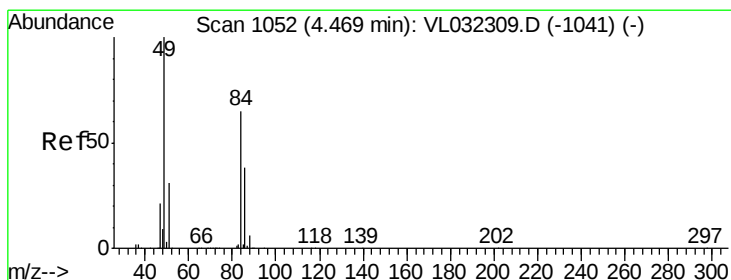
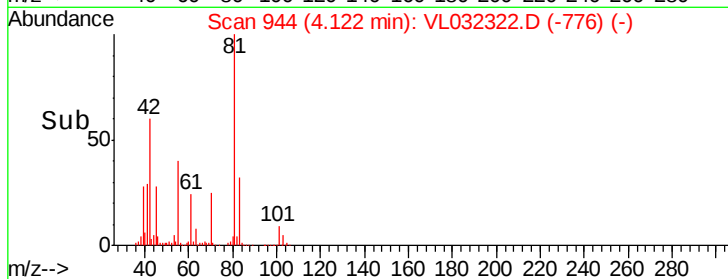
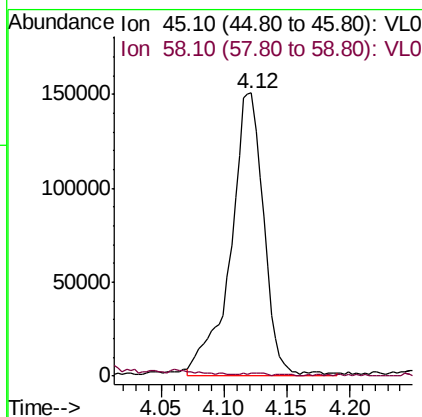
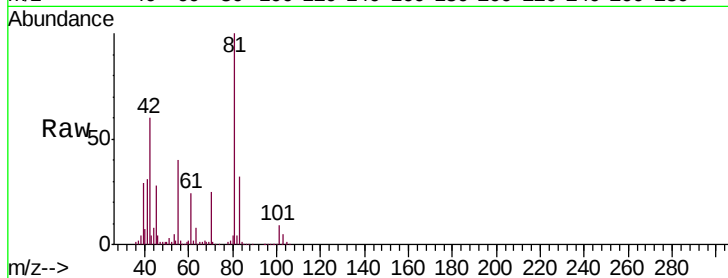
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Isopropyl Alcohol
Concen: 2.45 ppbv m
RT: 4.12 min Scan# 944
Delta R.T. 0.04 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion: 45 Resp: 277460
Ion Ratio Lower Upper
45 100
58 0.0 1.5 2.3#

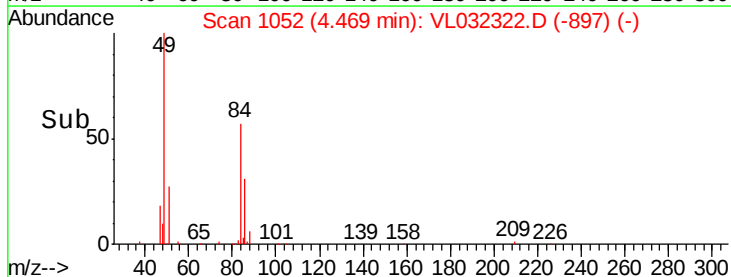
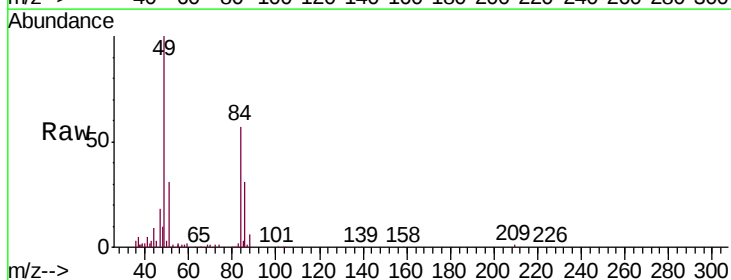
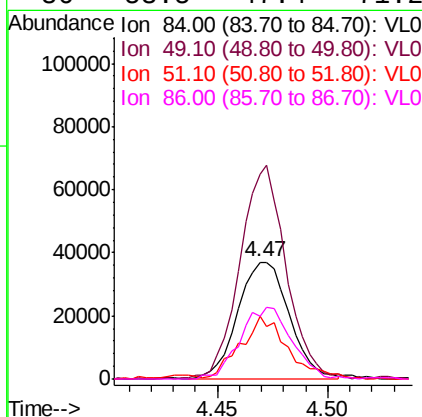
Manual Integrations
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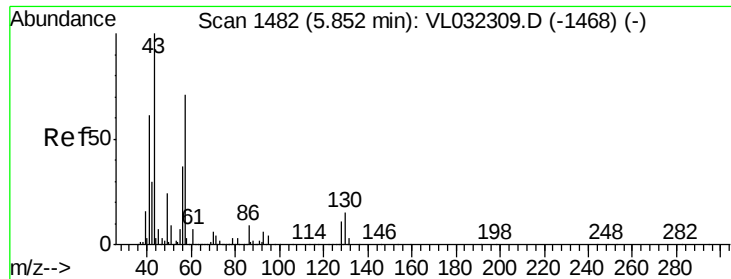
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#20
Methylene Chloride
Concen: 0.88 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion: 84 Resp: 60028
Ion Ratio Lower Upper
84 100
49 173.9 123.4 185.0
51 50.3 38.2 57.2
86 53.5 47.4 71.2





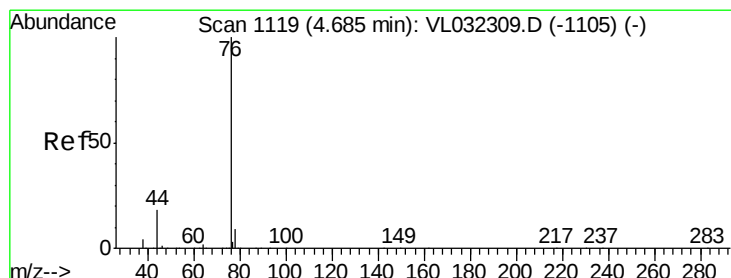
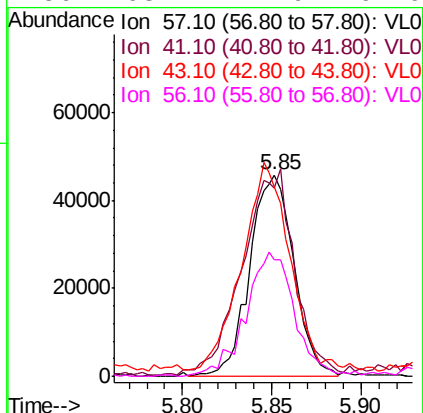
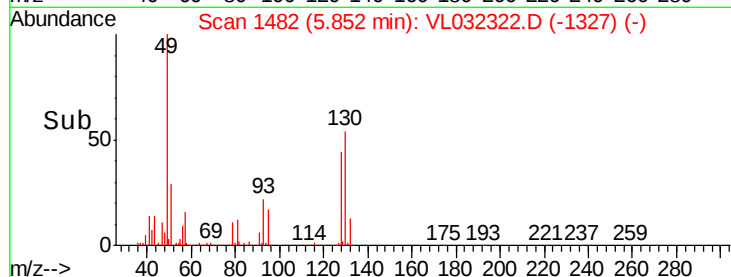
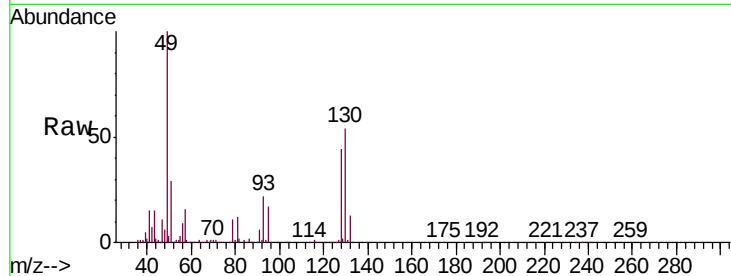
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Hexane
Concen: 0.45 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
57	100		
41	121.1	68.1	102.1#
43	0.0	177.4	266.2#
56	68.7	41.9	62.9#

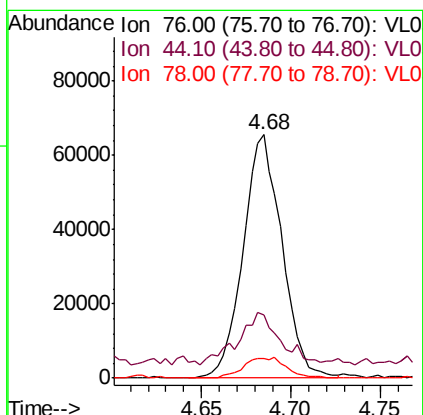
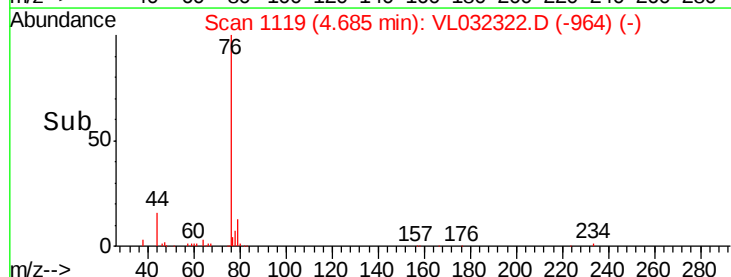
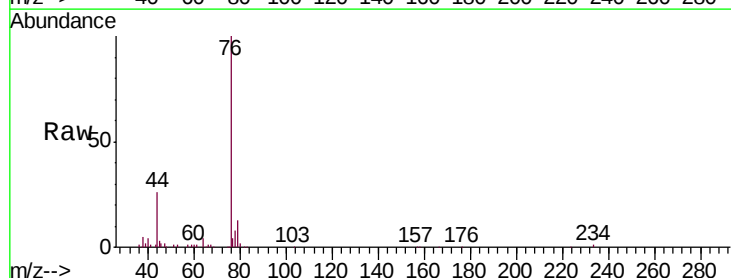
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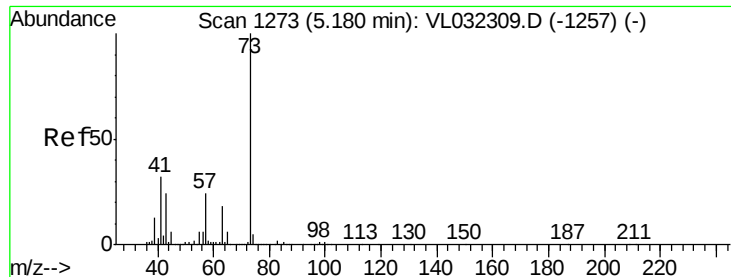
apatel
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#27
Carbon Disulfide
Concen: 0.64 ppbv
RT: 4.68 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
76	100		
44	24.7	14.0	21.0#
78	9.5	7.5	11.3





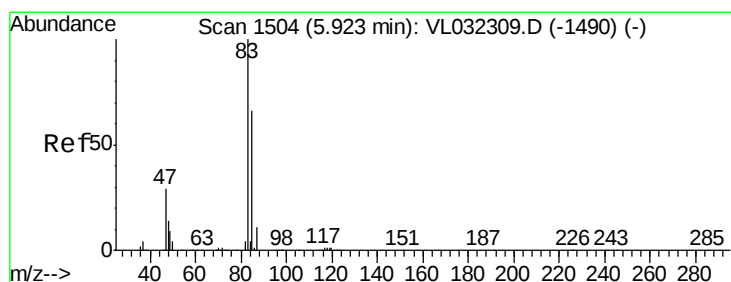
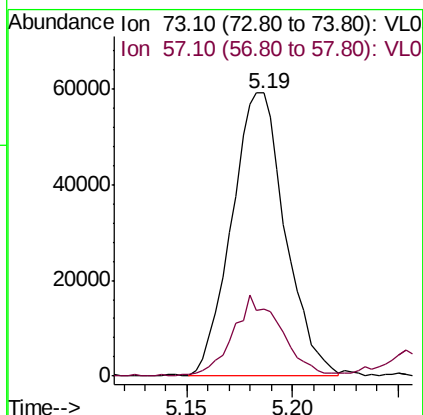
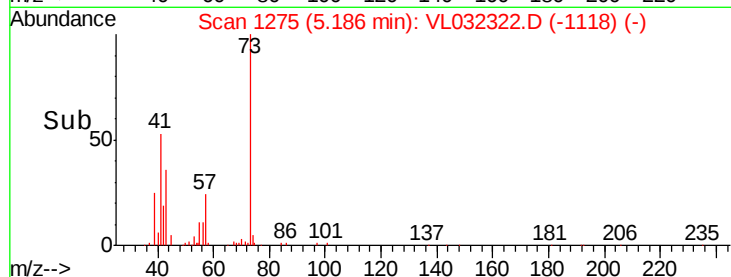
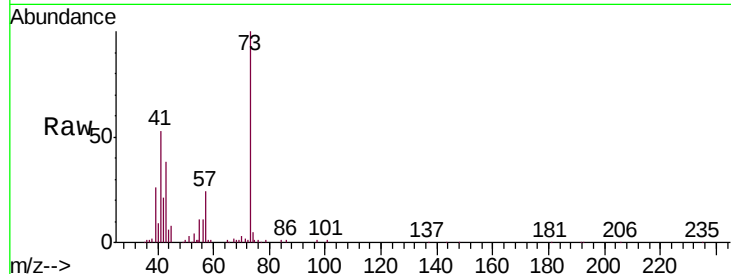
#28
Methvl tert-Butvl Ether
Concen: 0.45 ppbv
RT: 5.19 min Scan# 1275
Delta R.T. 0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion: 73 Resp: 104296
Ion Ratio Lower Upper
73 100
57 26.0 19.4 29.0

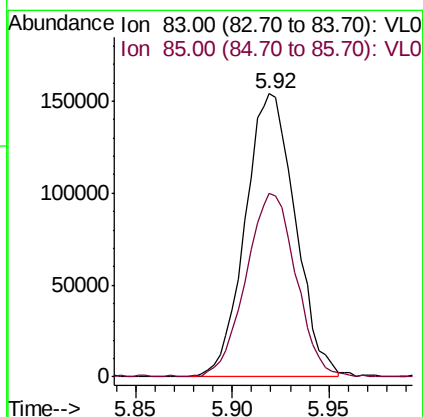
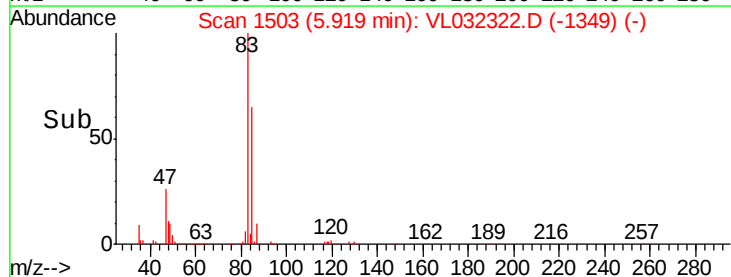
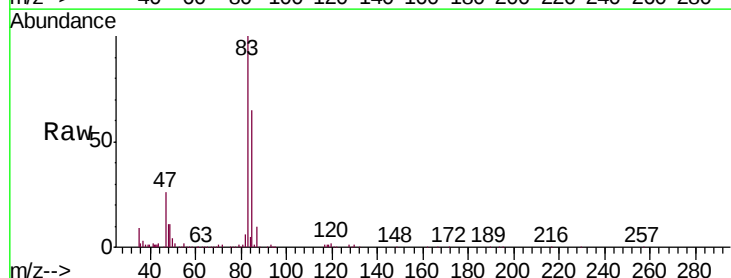
Manual Integrations
APPROVED

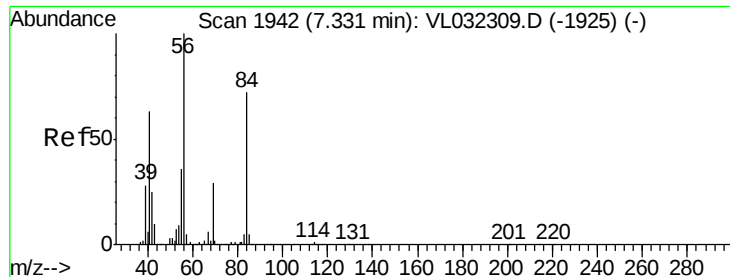
apatel
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#29
Chloroform
Concen: 1.10 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion: 83 Resp: 275287
Ion Ratio Lower Upper
83 100
85 64.9 52.9 79.3





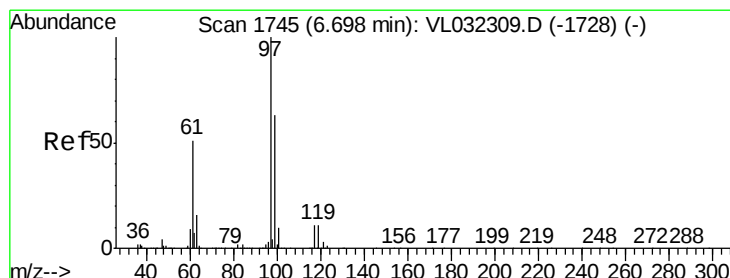
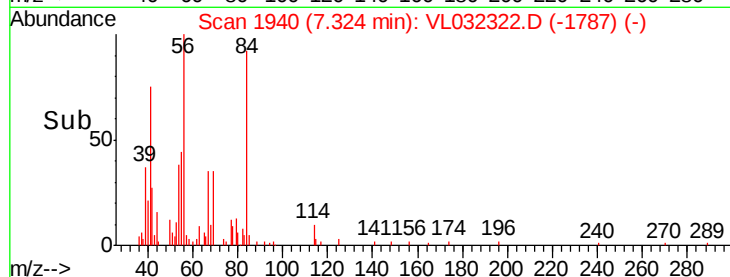
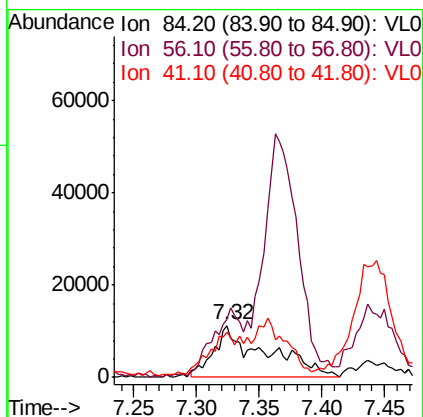
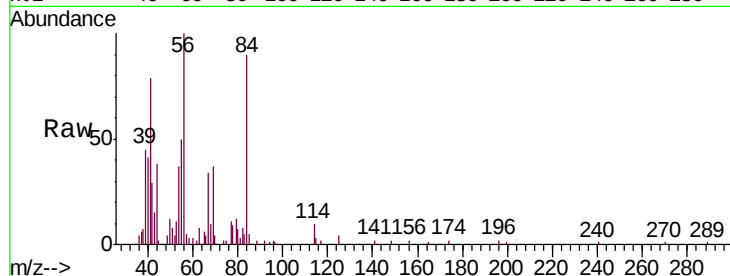
#30
Cyclohexane
Concen: 0.24 ppbv m
RT: 7.32 min Scan# 1940
Delta R.T. -0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.8	175.2#
41	0.0	70.0	105.0#

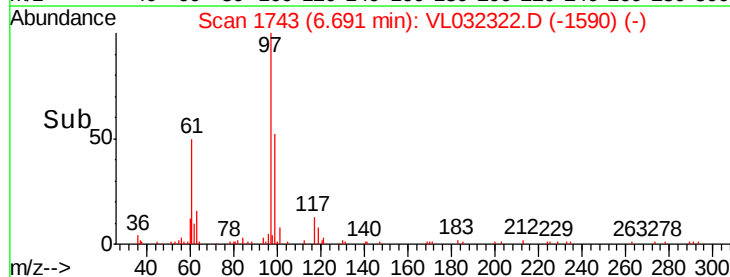
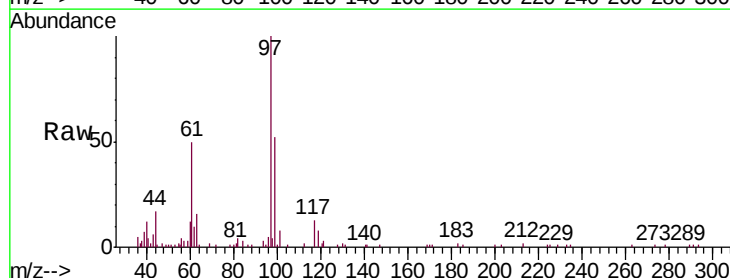
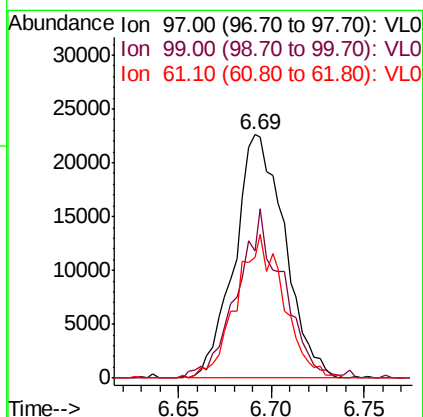
Manual Integrations
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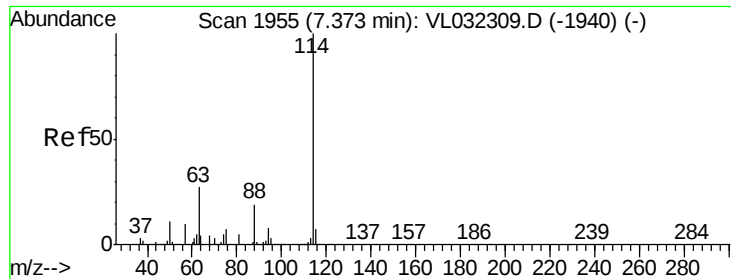
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#32
1,1,1-Trichloroethane
Concen: 0.19 ppbv
RT: 6.69 min Scan# 1743
Delta R.T. -0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.5	50.9	76.3
61	55.9	41.8	62.6





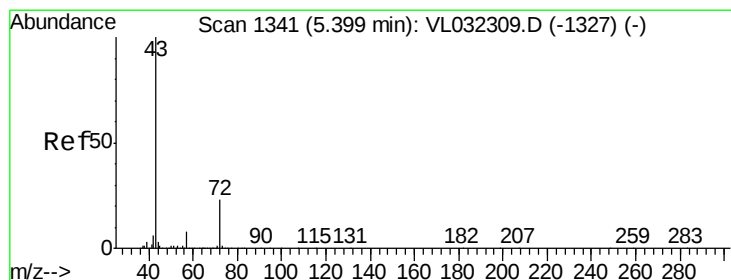
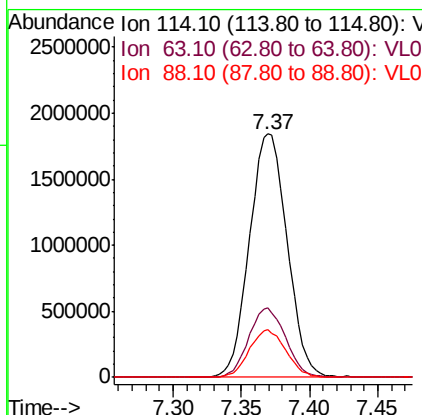
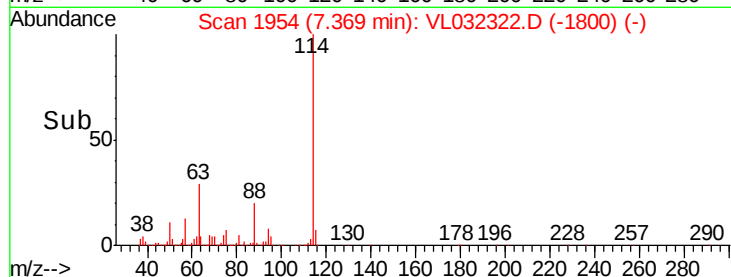
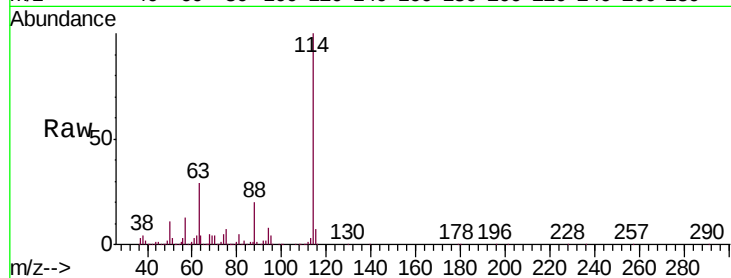
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.2	22.4	33.6
88	19.1	15.3	22.9

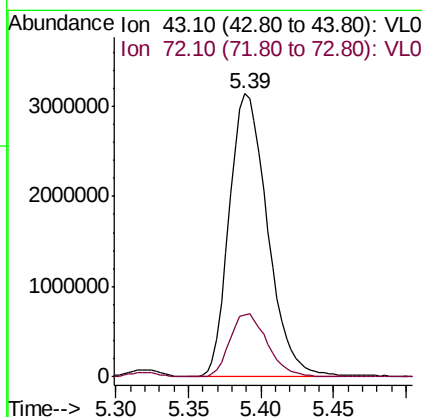
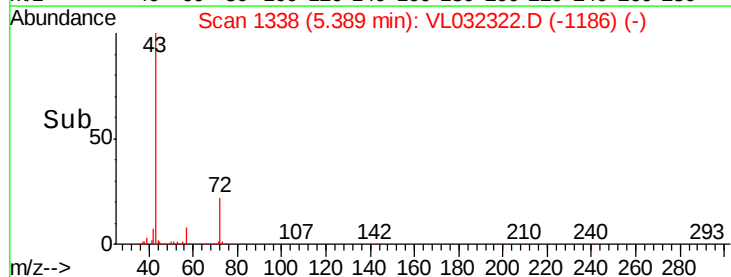
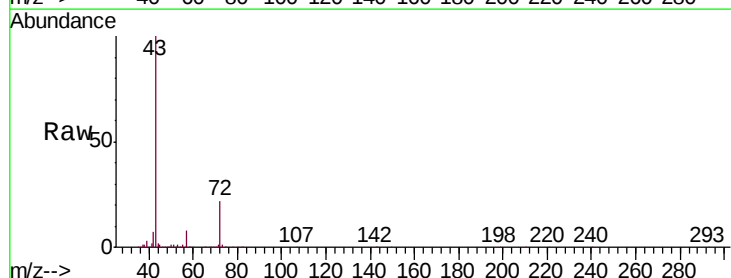
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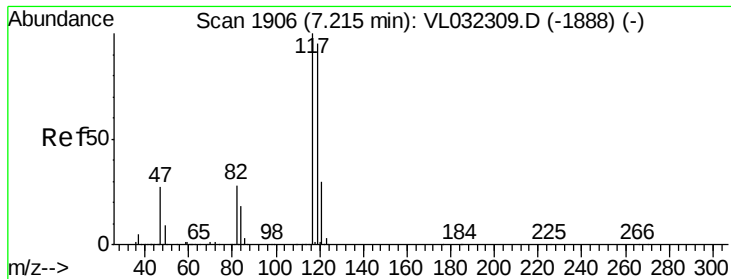
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#34
 2-Butanone
 Concen: 25.11 ppbv
 RT: 5.39 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.4	26.2





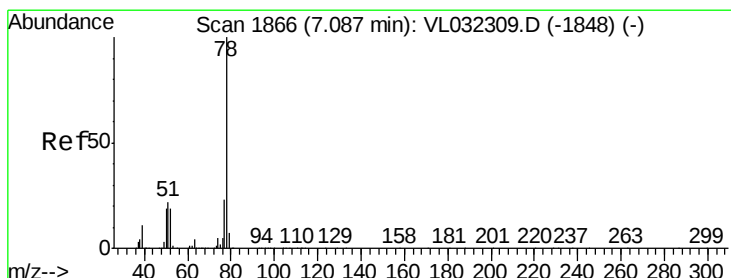
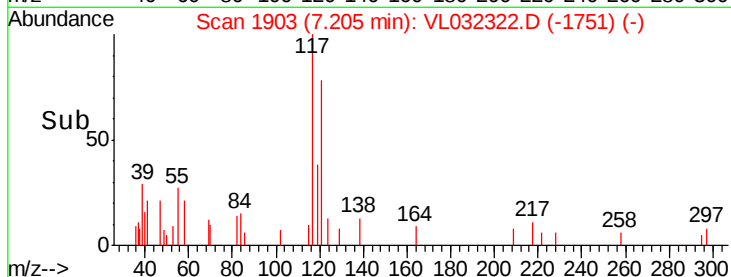
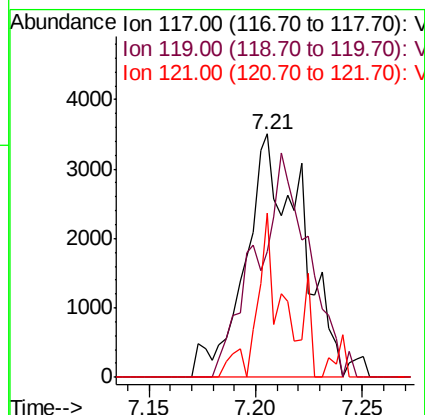
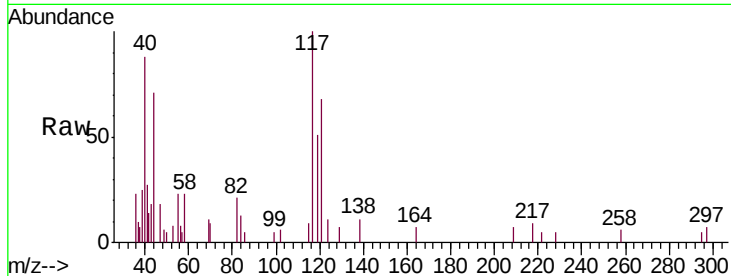
#35
Carbon Tetrachloride
Concen: 0.03 ppbv m
RT: 7.21 min Scan# 1903
Delta R.T. -0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tot Ion	Ratio	Lower	Upper
117	100		
119	51.5	76.1	114.1#
121	67.5	24.4	36.6#

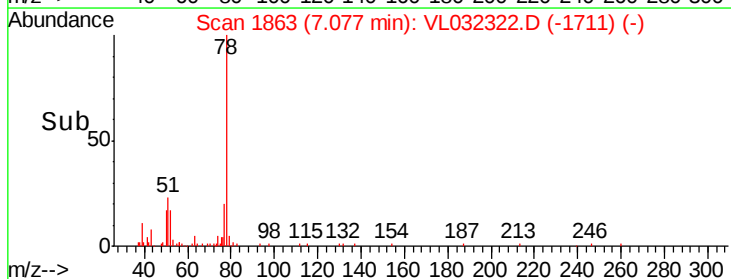
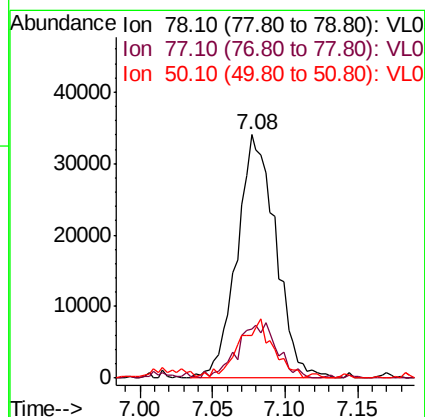
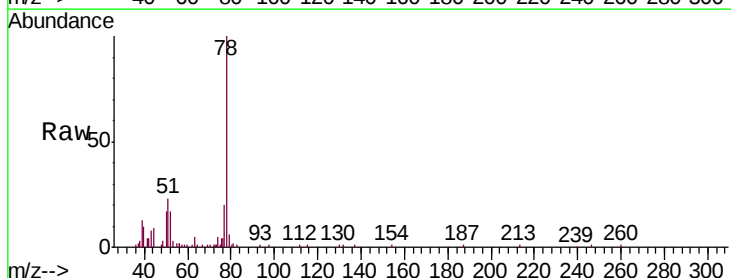
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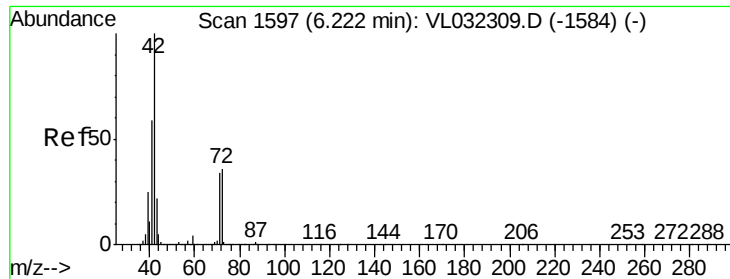
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#36
Benzene
Concen: 0.20 ppbv
RT: 7.08 min Scan# 1863
Delta R.T. -0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.4	18.4	27.6
50	17.0	15.3	22.9





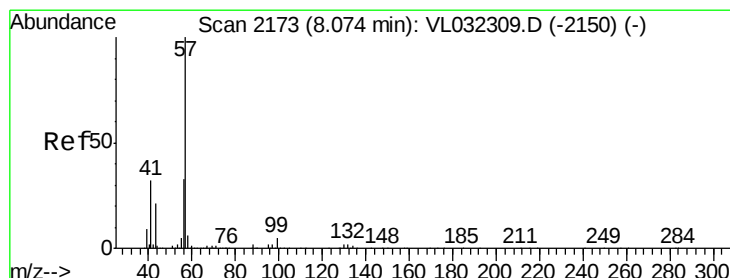
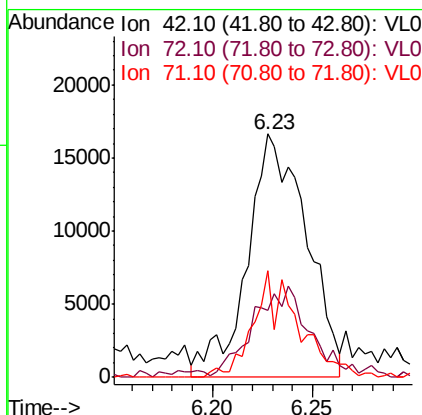
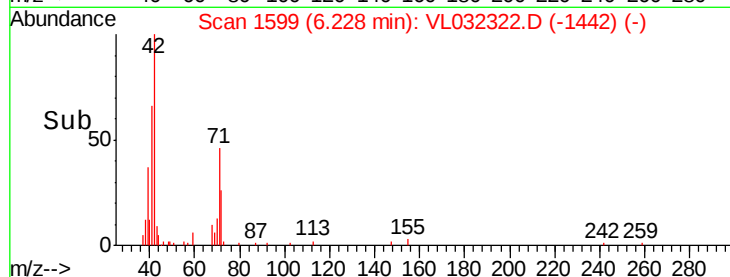
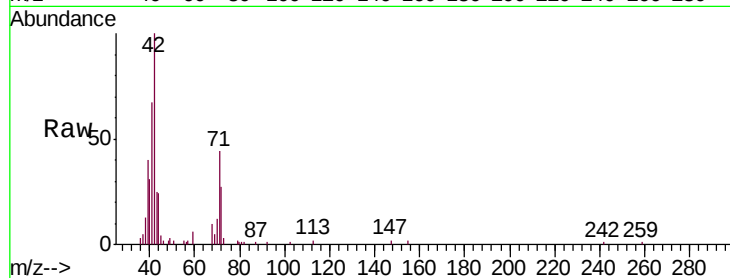
#41
Tetrahydrofuran
Concen: 0.26 ppbv m
RT: 6.23 min Scan# 1599
Delta R.T. 0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.6	42.8#
71	33.7	27.8	41.6

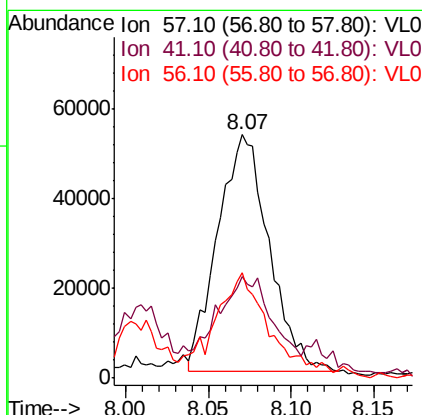
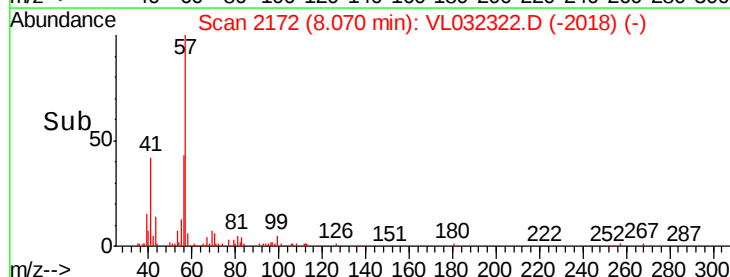
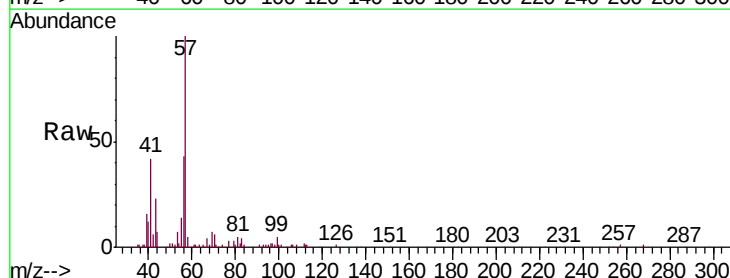
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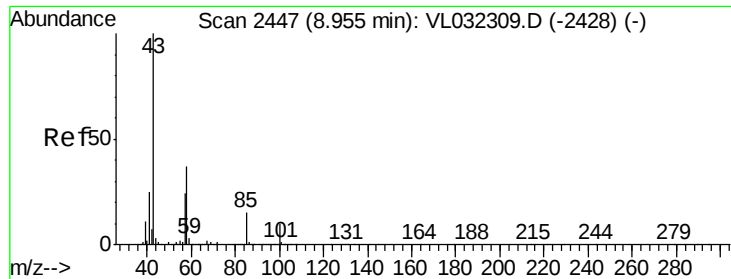
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#44
2,2,4-Trimethylpentane
Concen: 0.17 ppbv
RT: 8.07 min Scan# 2172
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	57.3	24.3	36.5#
56	49.5	25.4	38.2#





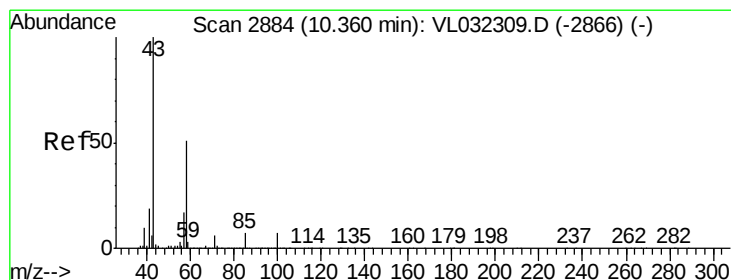
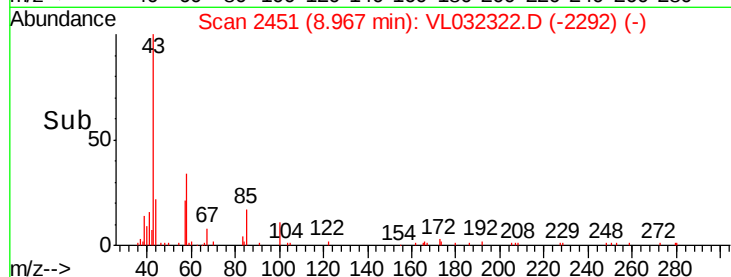
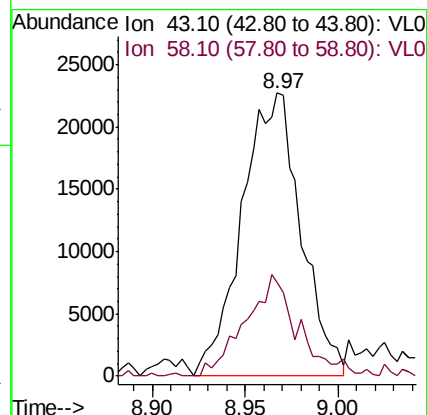
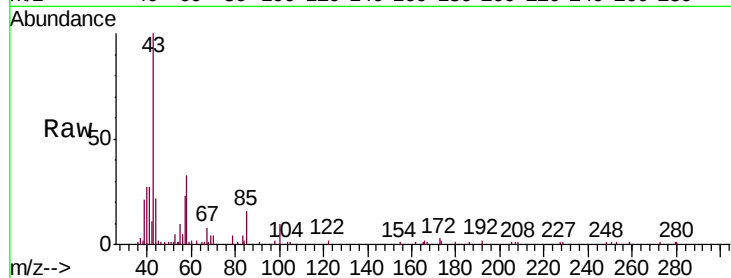
#50
4-Methyl-2-Pentanone
Concen: 0.12 ppbv m
RT: 8.97 min Scan# 2451
Delta R.T. 0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.9	43.3#

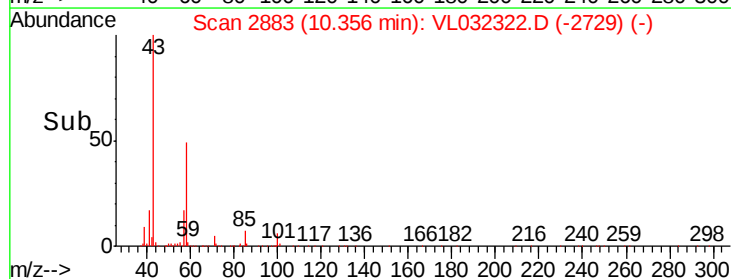
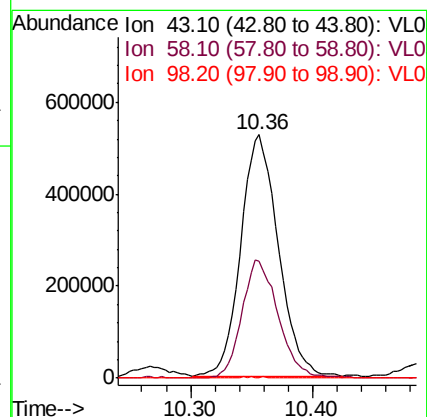
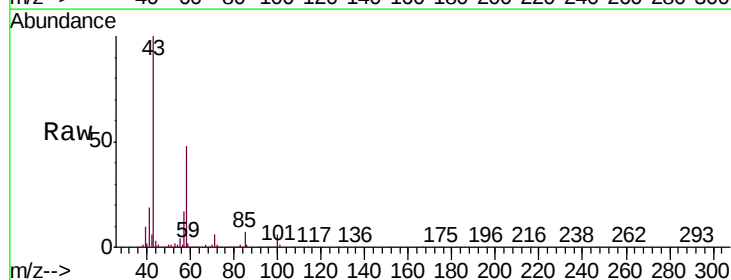
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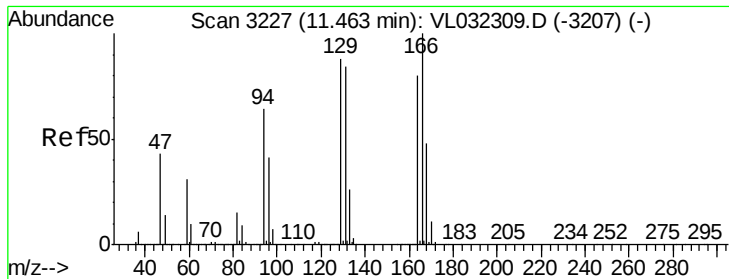
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#51
2-Hexanone
Concen: 3.63 ppbv
RT: 10.36 min Scan# 2883
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.1	39.1	58.7
98	0.7	0.3	0.5#





#52

Tetrachloroethene

Concen: 0.51 ppbv m

RT: 11.46 min Scan# 3226

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

ClientSampled :

SG-1

Tot Ion:164 Resp: 54071

Ion Ratio Lower Upper

164 100

166 112.3 100.0 150.0

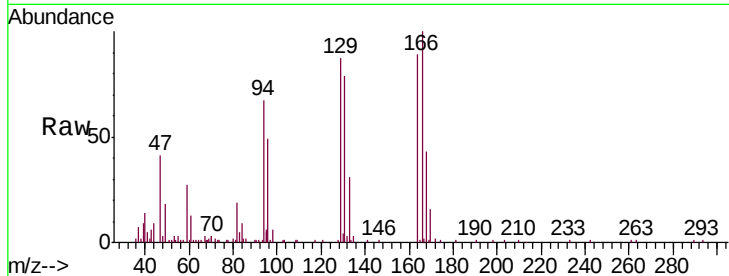
129 98.0 87.9 131.9

131 88.8 83.8 125.8

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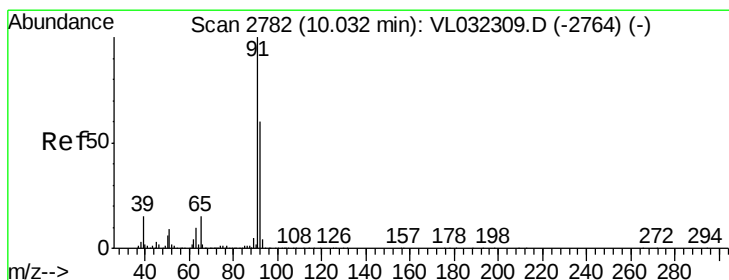
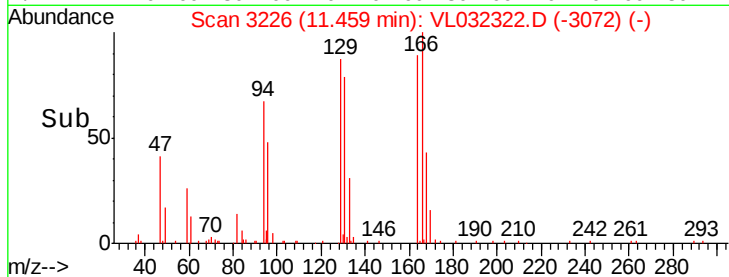
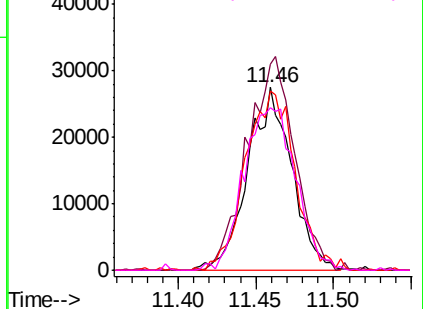


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 4.37 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. -0.00 min

Lab File: VL032322.D

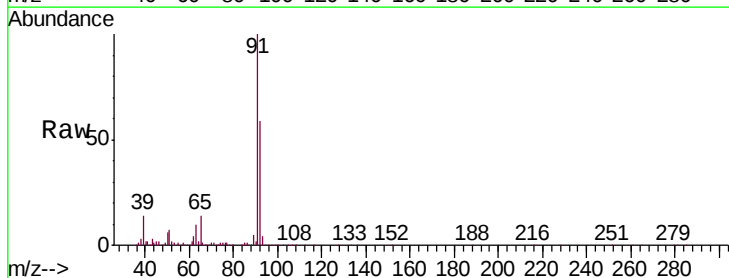
Acq: 27 Jul 2018 17:01

Tgt Ion: 91 Resp: 1627377

Ion Ratio Lower Upper

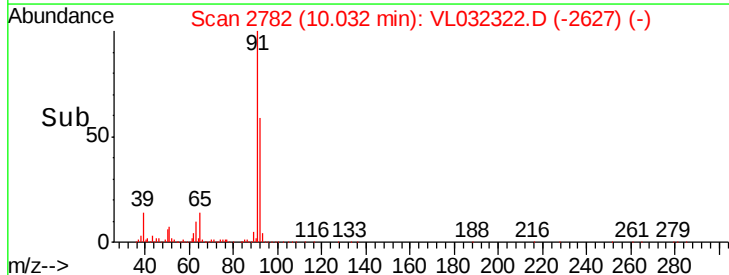
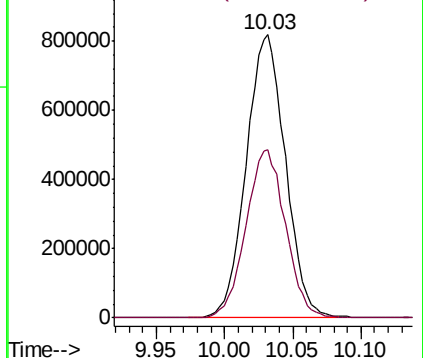
91 100

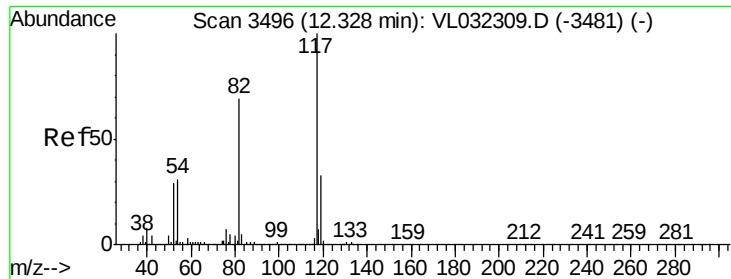
92 60.3 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.32 min Scan# 3495

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

ClientSampled :

SG-1

Tot Ion:117 Resp: 4277418

Ion Ratio Lower Upper

117 100

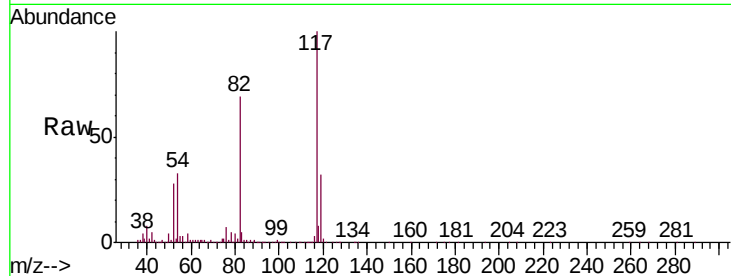
82 68.1 52.6 78.8

119 32.6 25.7 38.5

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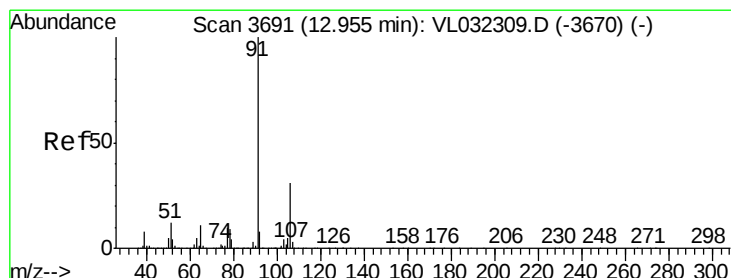
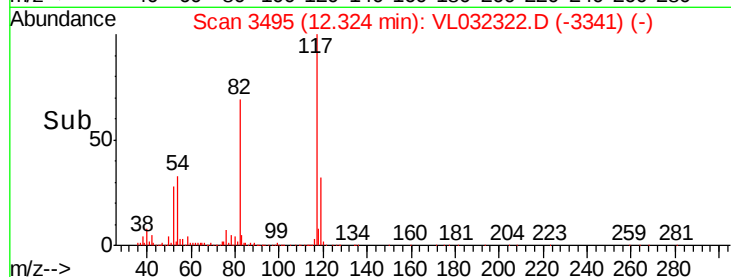
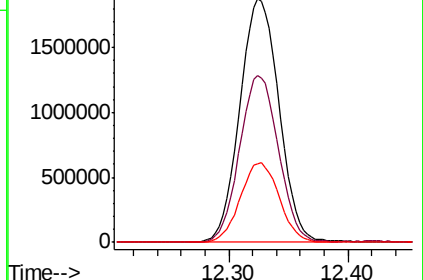
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 3.28 ppbv

RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032322.D

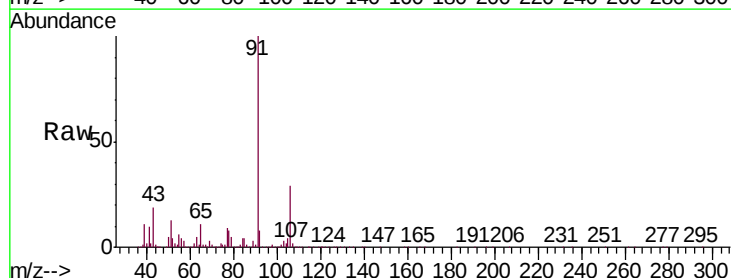
Acq: 27 Jul 2018 17:01

Tgt Ion: 91 Resp: 1761076

Ion Ratio Lower Upper

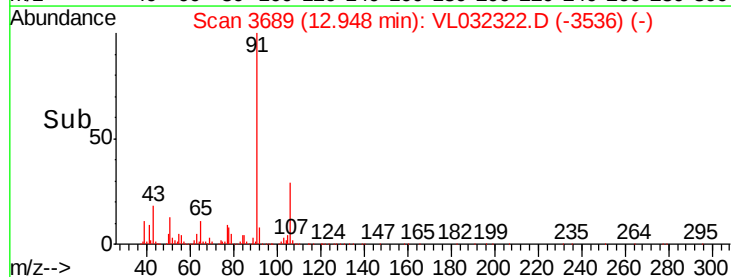
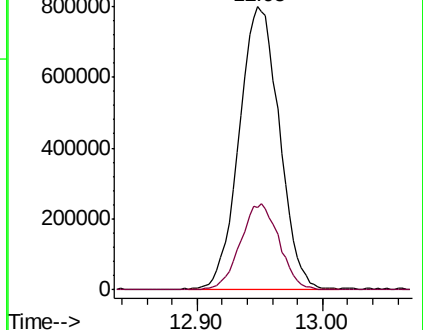
91 100

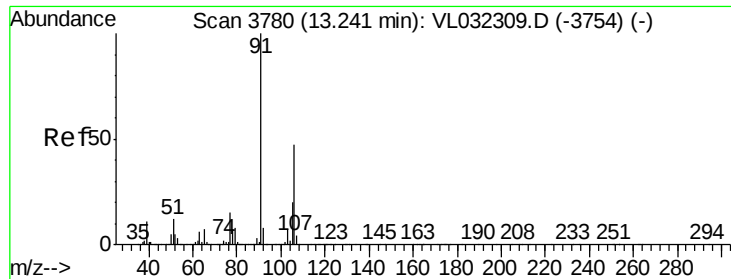
106 29.2 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





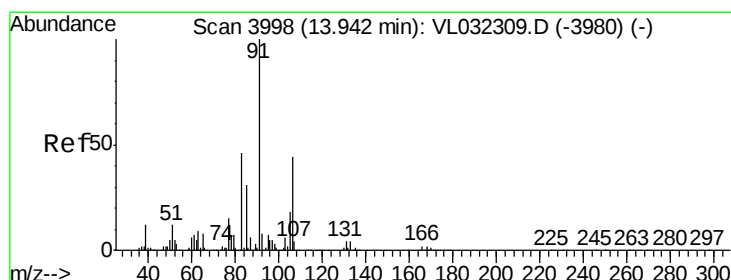
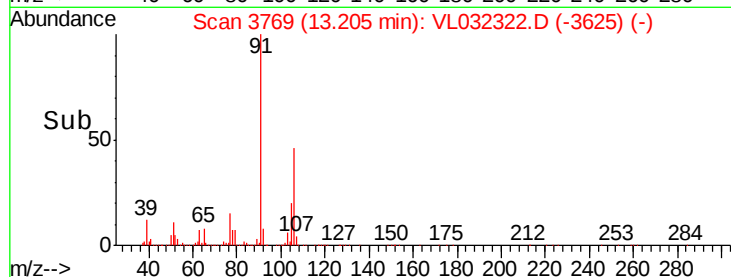
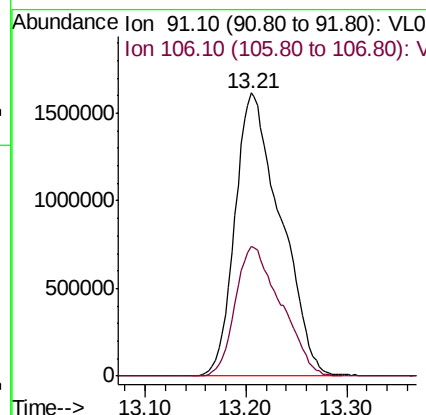
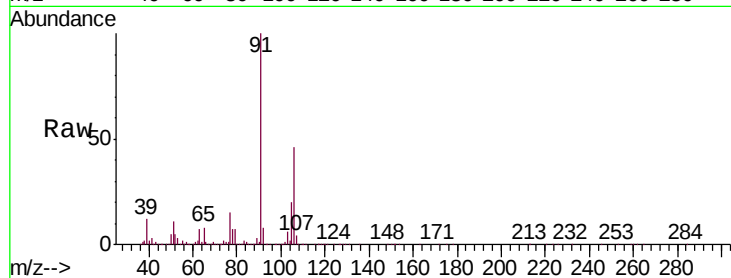
#59
m/p-Xylene
Concen: 11.09 ppbv
RT: 13.21 min Scan# 3769
Delta R.T. -0.04 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion: 91 Resp: 5062865
Ion Ratio Lower Upper
91 100
106 46.1 36.4 54.6

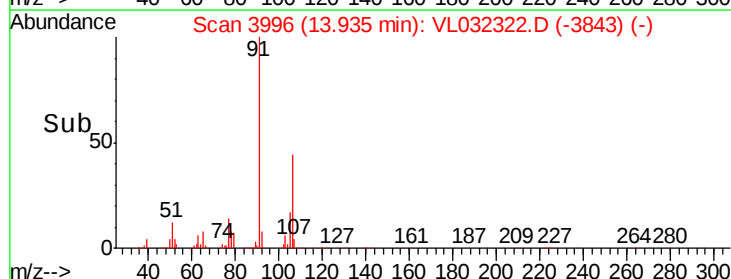
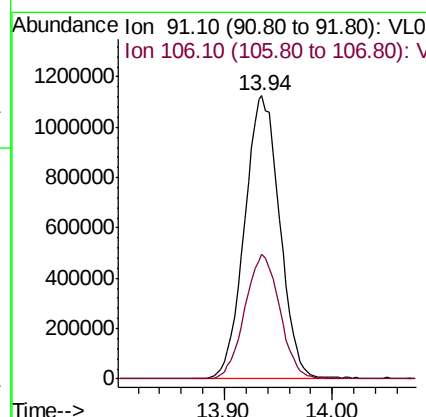
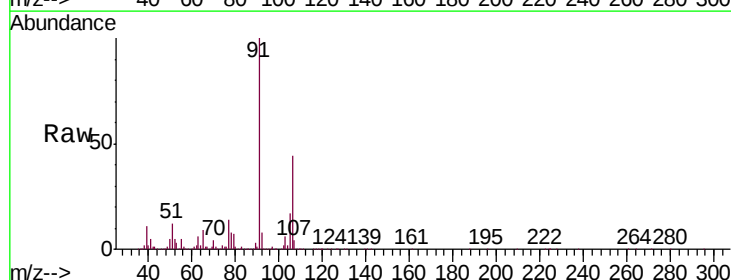
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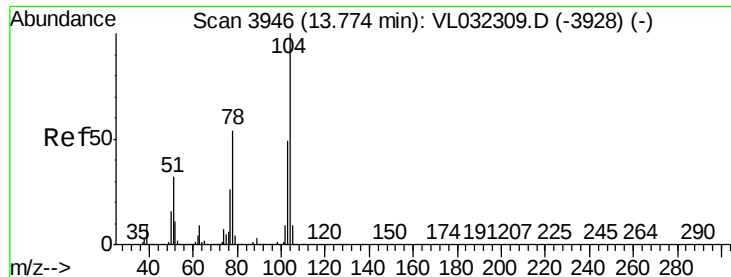
apatel
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#60
o-Xylene
Concen: 5.68 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.01 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion: 91 Resp: 2543363
Ion Ratio Lower Upper
91 100
106 44.0 22.4 67.0





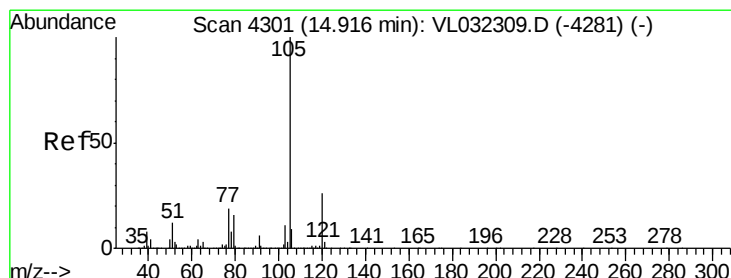
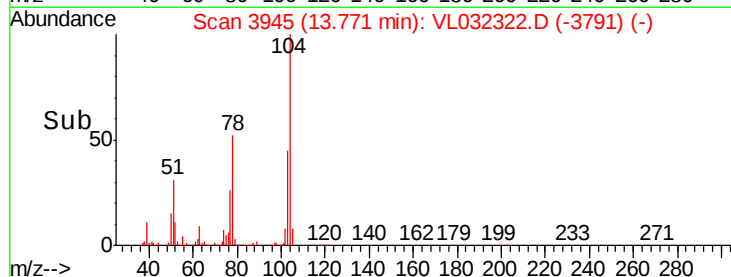
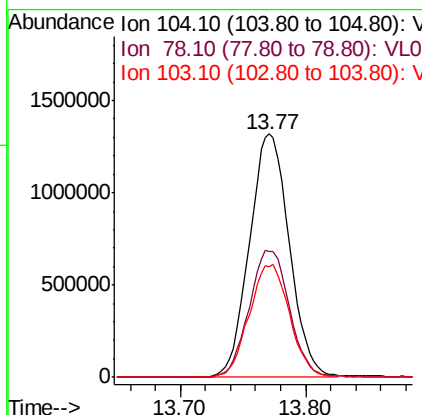
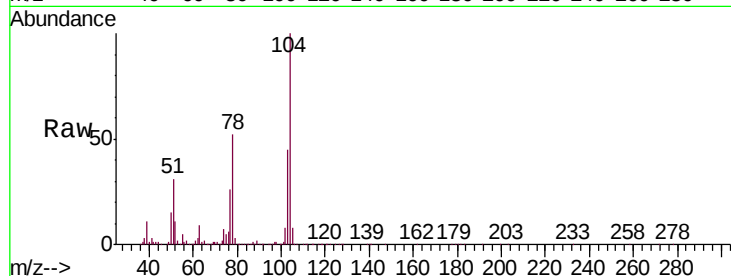
#61
Stvrene
Concen: 8.86 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Instrument :
MSVOA_L
ClientSampled :
SG-1

Tot Ion:104 Resp: 2918085
Ion Ratio Lower Upper
104 100
78 53.1 42.6 63.8
103 47.2 38.0 57.0

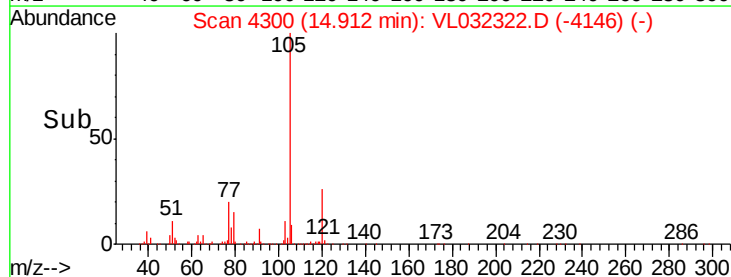
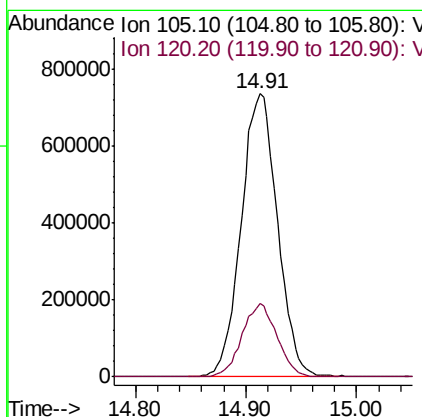
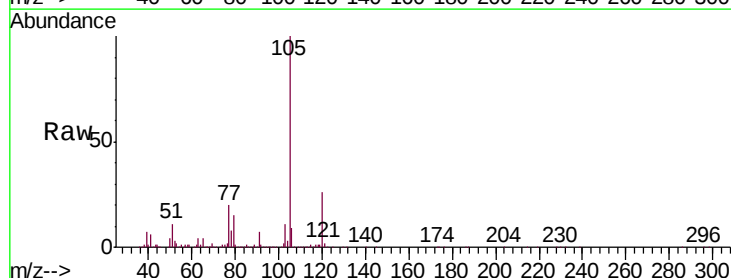
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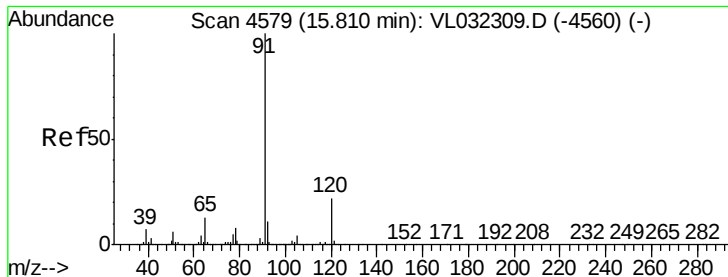
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#62
Isopropylbenzene
Concen: 2.64 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. -0.00 min
Lab File: VL032322.D
Acq: 27 Jul 2018 17:01

Tgt Ion:105 Resp: 1678020
Ion Ratio Lower Upper
105 100
120 25.2 20.4 30.6





#64

n-propylbenzene

Concen: 0.64 ppbv

RT: 15.81 min Scan# 4578

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

ClientSampled :

SG-1

Tot Ion:120 Resp: 106415

Ion Ratio Lower Upper

120 100

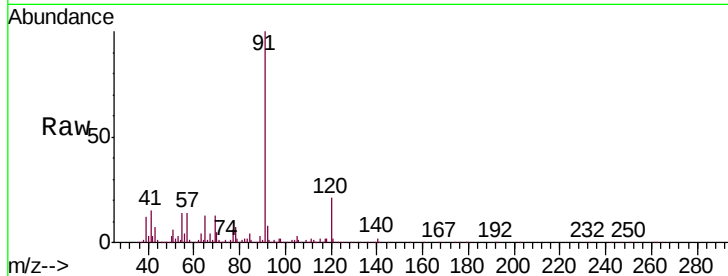
91 509.7 381.8 572.8

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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

250000

200000

150000

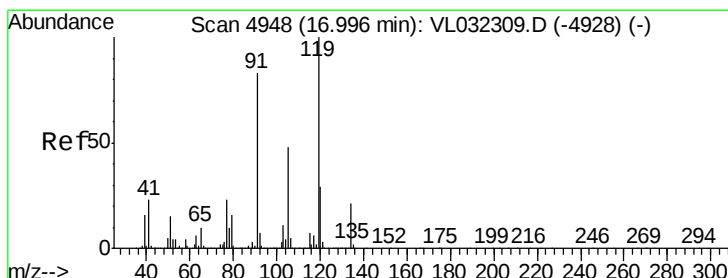
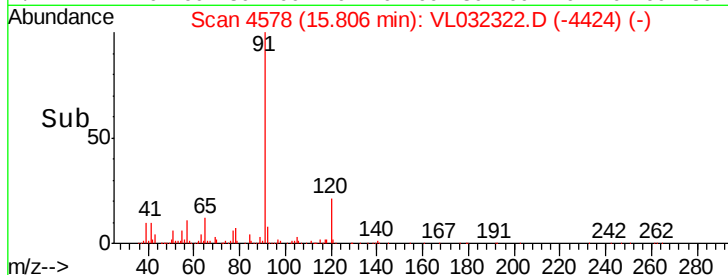
100000

50000

0

15.75 15.80 15.85

Time-->



#65

tert-Butylbenzene

Concen: 0.30 ppbv m

RT: 17.02 min Scan# 4955

Delta R.T. 0.02 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

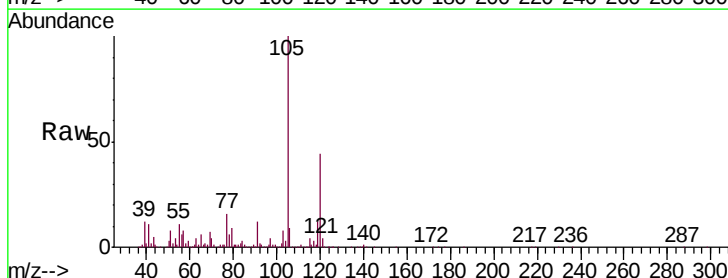
Tgt Ion:119 Resp: 161338

Ion Ratio Lower Upper

119 100

91 0.0 67.5 101.3#

134 1.3 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

80000

60000

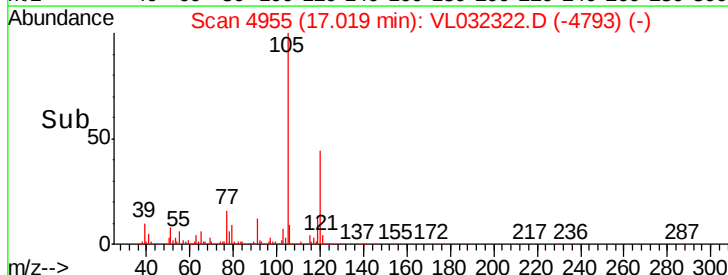
40000

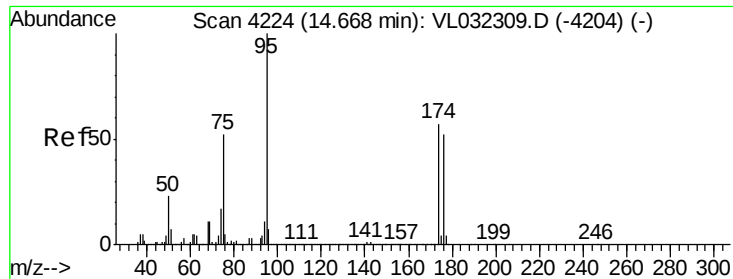
20000

0

17.00 17.10

Time-->





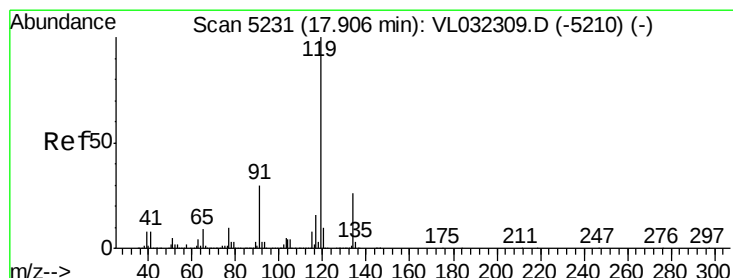
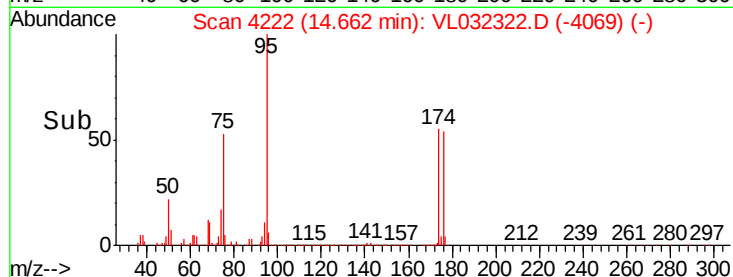
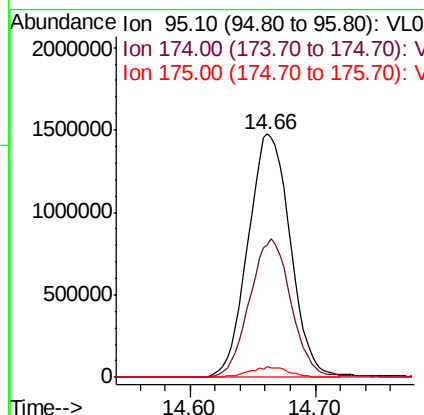
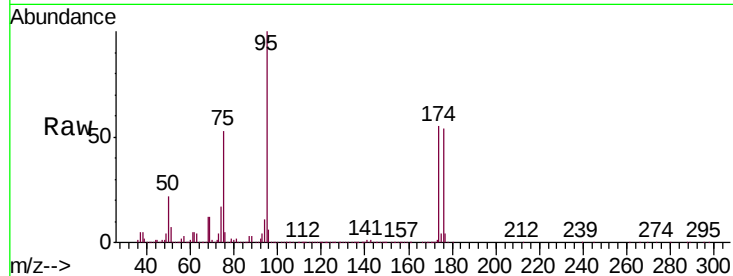
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.38 ppbv
 RT: 14.66 min Scan# 4222
 Delta R.T. -0.01 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1

Tot Ion	Ratio	Lower	Upper
95	100		
174	56.7	45.5	68.3
175	4.1	3.3	4.9

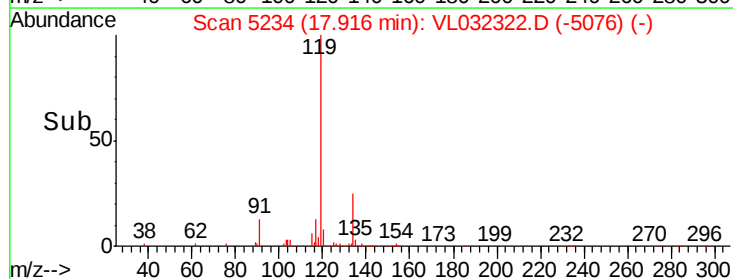
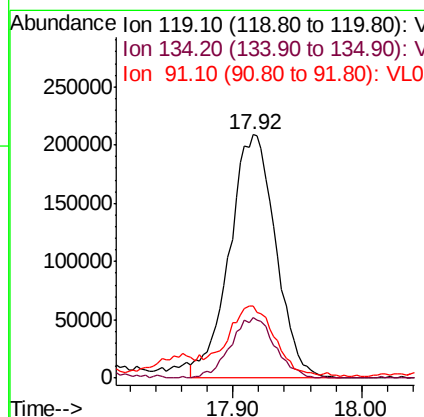
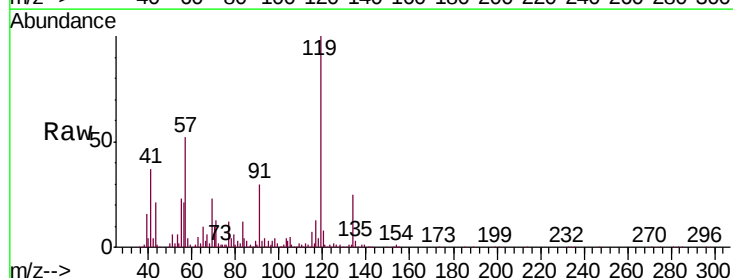
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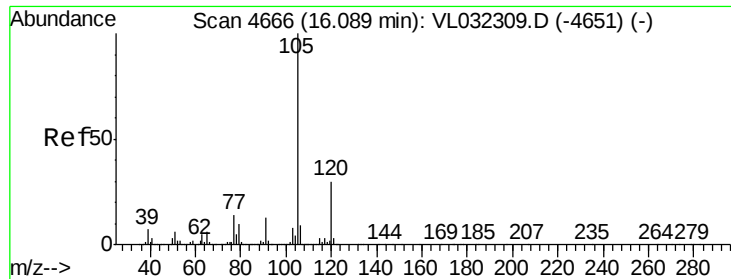
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#69
 p-Isopropyltoluene
 Concen: 0.83 ppbv
 RT: 17.92 min Scan# 5234
 Delta R.T. 0.01 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.3	20.3	30.5
91	38.9	23.8	35.6





#72

4-Ethyltoluene

Concen: 1.19 ppbv

RT: 16.09 min Scan# 4665

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

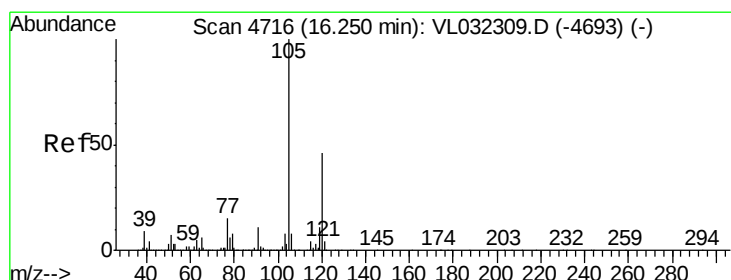
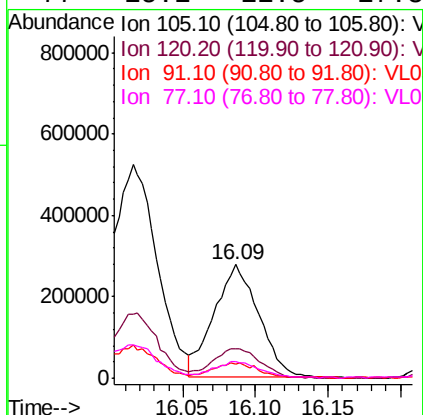
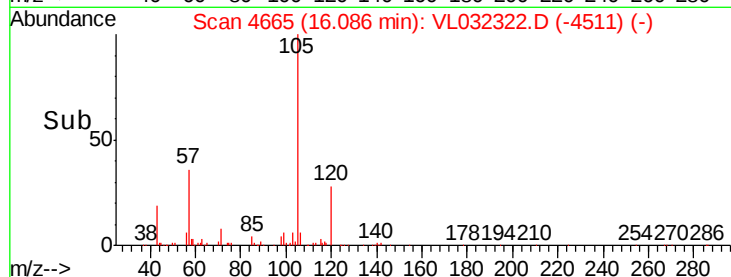
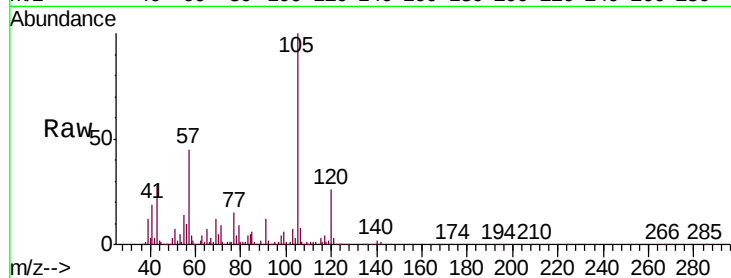
ClientSampleId :

SG-1

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.9	23.1	34.7
91	13.1	10.0	15.0
77	15.1	11.5	17.3

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#73

1,3,5-Trimethylbenzene

Concen: 1.31 ppbv

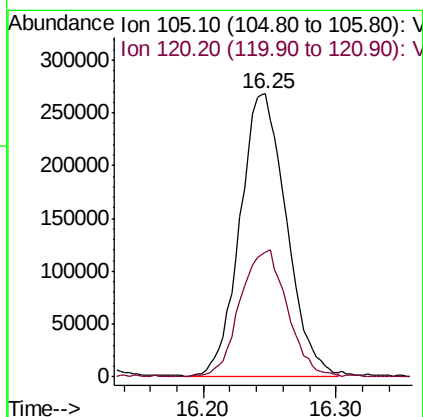
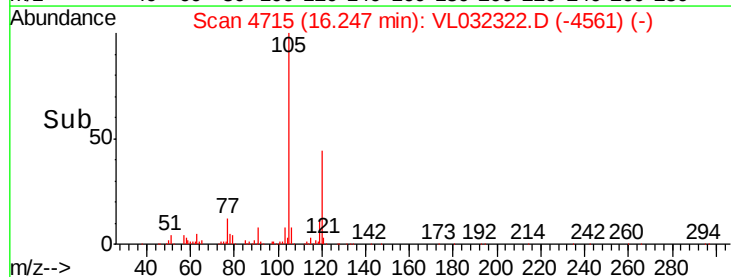
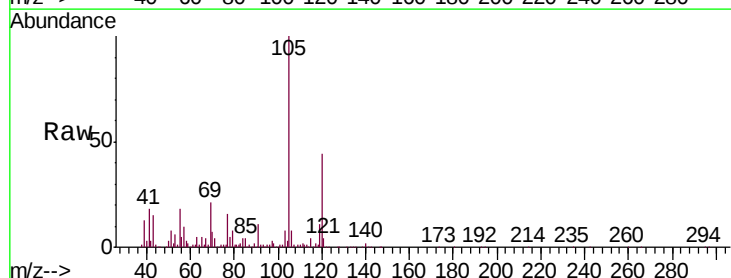
RT: 16.25 min Scan# 4715

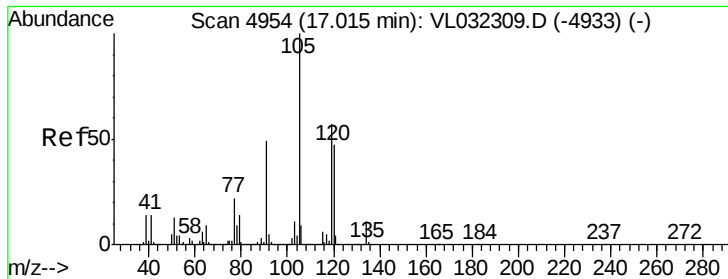
Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.6	36.5	54.7





#74

1,2,4-Trimethylbenzene

Concen: 2.71 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Instrument :

MSVOA_L

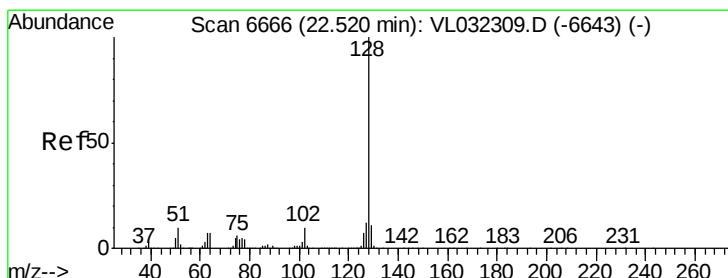
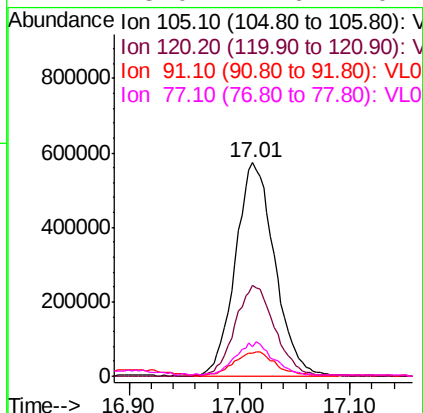
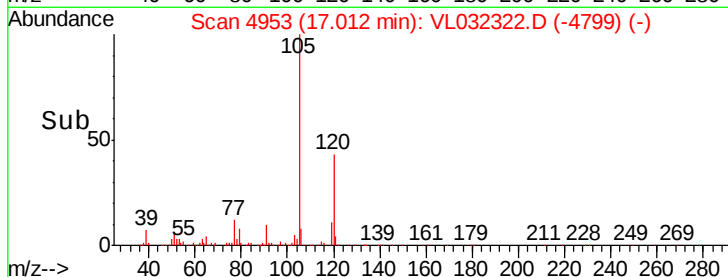
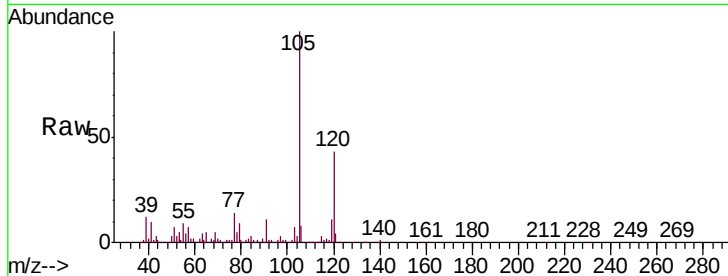
ClientSampled :

SG-1

Tot Ion:	105	Resp:	1410611
Ion Ratio	Lower	Upper	
105	100		
120	42.8	37.8	56.6
91	10.8	39.4	59.0#
77	13.0	17.6	26.4#

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#79

Naphthalene

Concen: 0.70 ppbv m

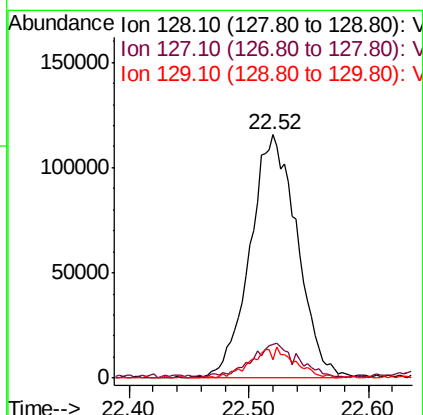
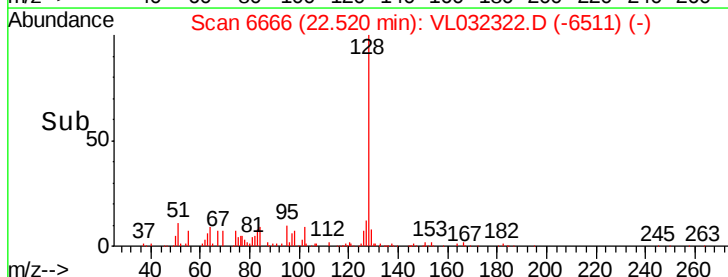
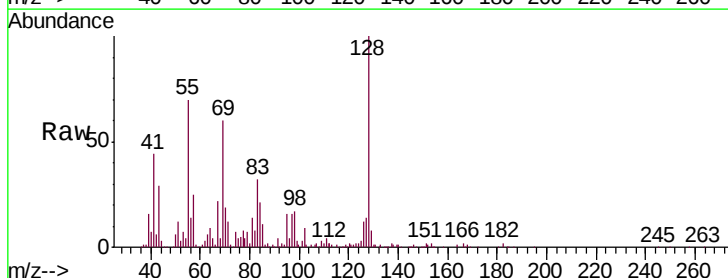
RT: 22.52 min Scan# 6666

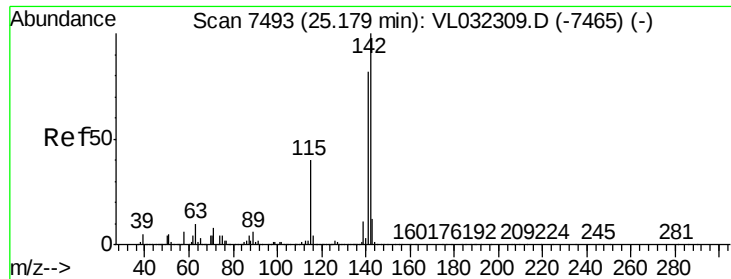
Delta R.T. -0.00 min

Lab File: VL032322.D

Acq: 27 Jul 2018 17:01

Tgt Ion:	128	Resp:	315904
Ion Ratio	Lower	Upper	
128	100		
127	13.9	9.9	14.9
129	7.6	8.8	13.2#





#80
 Naphthalene, 2-methyl-
 Concen: 0.19 ppbv
 RT: 25.18 min Scan# 7494
 Delta R.T. 0.00 min
 Lab File: VL032322.D
 Acq: 27 Jul 2018 17:01

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1

Tot Ion:	142	Resp:	33319
Ion Ratio	Lower	Upper	
142	100		
141	95.8	66.7	100.1
115	42.0	31.1	46.7

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