

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035180.D
 Acq On : 8 Jul 2020 12:00
 Operator : SY/AP
 Sample : L3190-03DL DUP 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL DUP

Quant Time: Jul 08 13:43:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1294895	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3035373	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2747187	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2273206	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

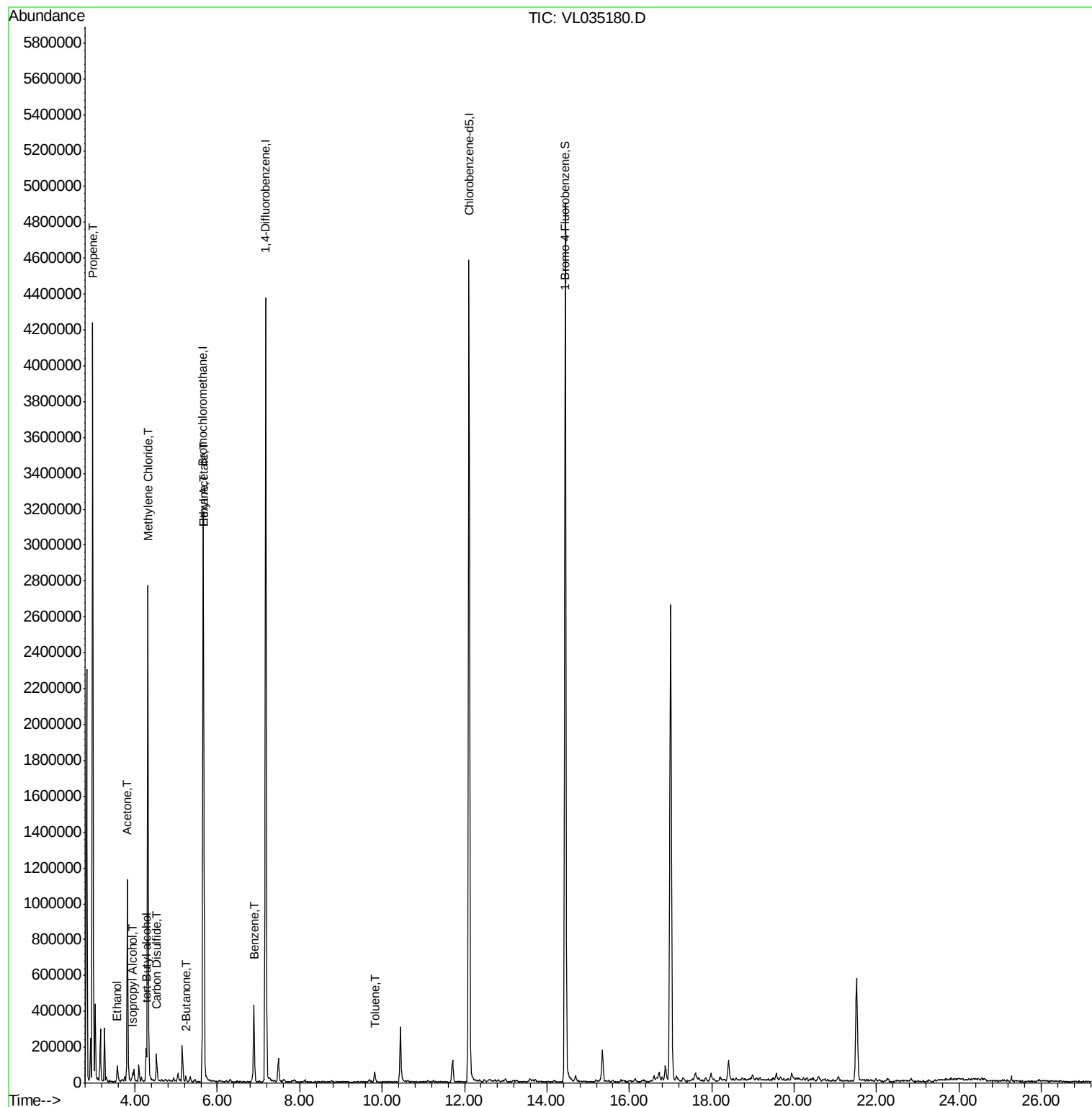
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.96	41	93144m	1.723	ppbv	
13) Ethanol	3.57	45	100903m	5.863	ppbv	
15) Acetone	3.82	43	1072451	6.118	ppbv	93
17) tert-Butyl alcohol	4.28	59	151184	0.975	ppbv	94
19) Isopropyl Alcohol	3.94	45	51522	0.487	ppbv #	92
20) Methylene Chloride	4.31	84	894672	11.729	ppbv	96
25) Ethyl Acetate	5.67	43	314583	1.156	ppbv #	80
26) Hexane	5.67	57	415928	3.467	ppbv #	44
27) Carbon Disulfide	4.52	76	151915	0.907	ppbv #	84
34) 2-Butanone	5.24	43	29877	0.184	ppbv	95
36) Benzene	6.89	78	338695	1.542	ppbv	97
53) Toluene	9.82	91	34201m	0.148	ppbv	

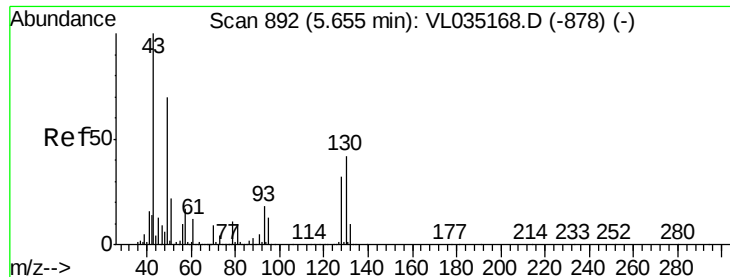
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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EXHAUST-02DL DUP

Quant Time: Jul 08 13:43:21 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035180.D

Acq: 8 Jul 2020 12:00

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDUP

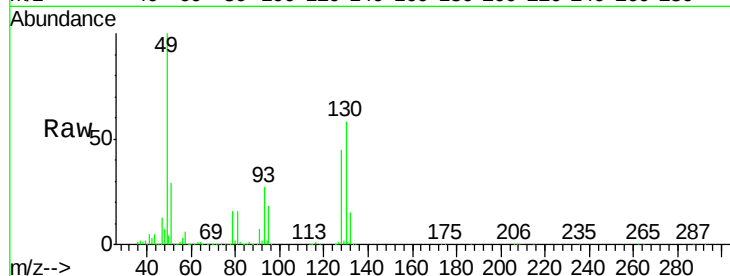
Tgt Ion: 49 Resp: 1294895

Ion Ratio Lower Upper

49 100

128 46.9 23.8 71.4

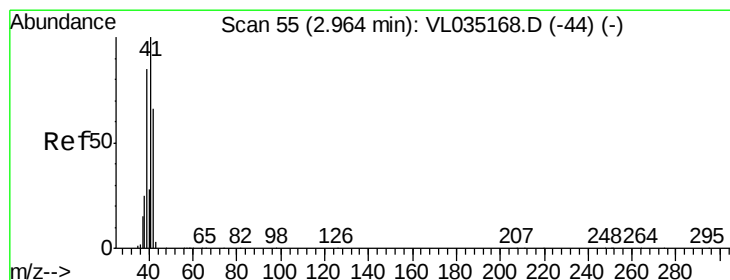
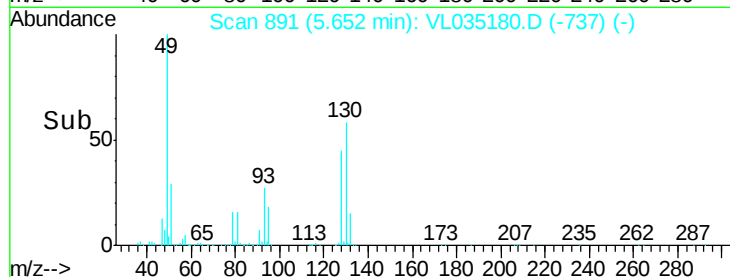
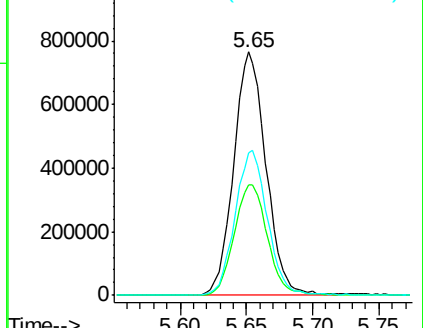
130 60.3 29.9 89.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.723 ppbv m

RT: 2.96 min Scan# 55

Delta R.T. -0.00 min

Lab File: VL035180.D

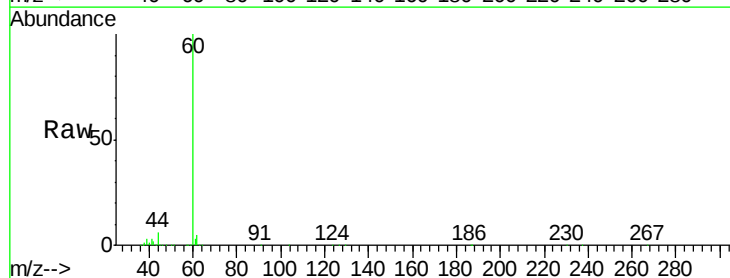
Acq: 8 Jul 2020 12:00

Tgt Ion: 41 Resp: 93144

Ion Ratio Lower Upper

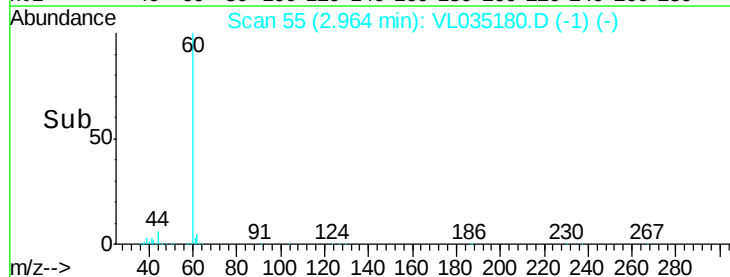
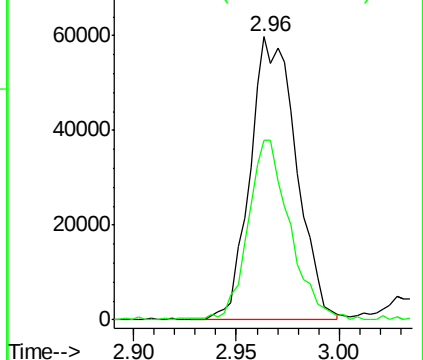
41 100

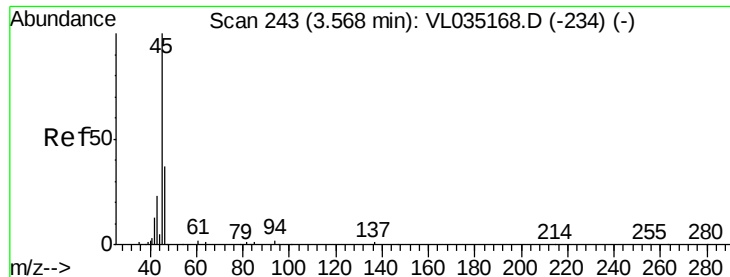
42 58.0 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 5.863 ppbv m

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035180.D

Acq: 8 Jul 2020 12:00

Instrument :

MSVOA_L

ClientSampleId :

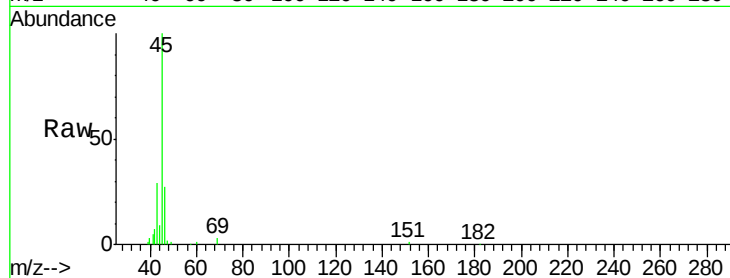
EXHAUST-02DLDUP

Tgt Ion: 45 Resp: 100903

Ion Ratio Lower Upper

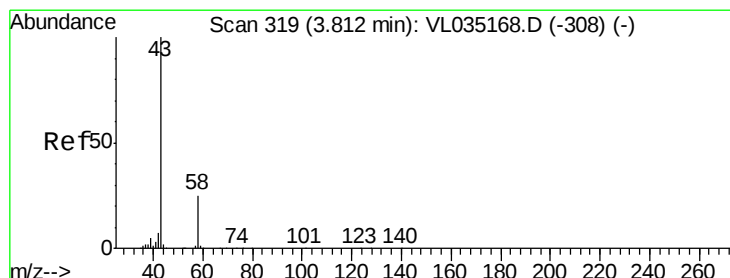
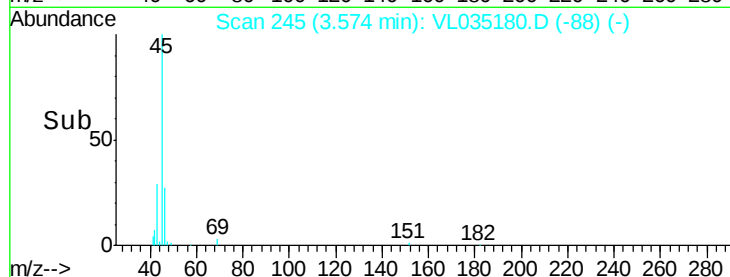
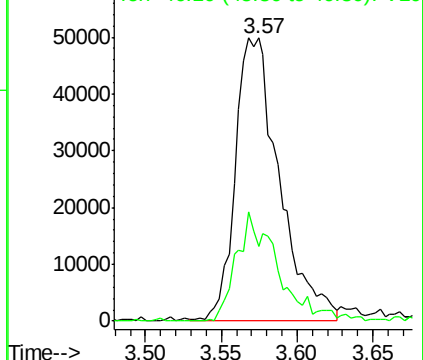
45 100

46 36.3 16.2 65.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 6.118 ppbv

RT: 3.82 min Scan# 320

Delta R.T. 0.00 min

Lab File: VL035180.D

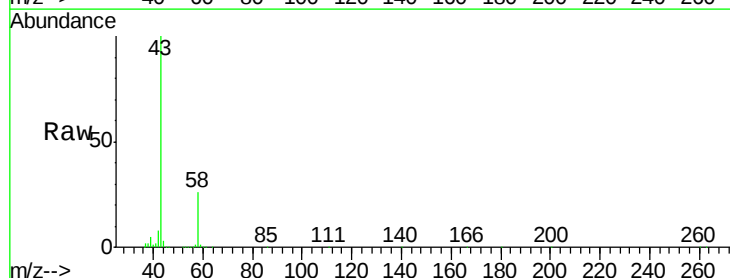
Acq: 8 Jul 2020 12:00

Tgt Ion: 43 Resp: 1072451

Ion Ratio Lower Upper

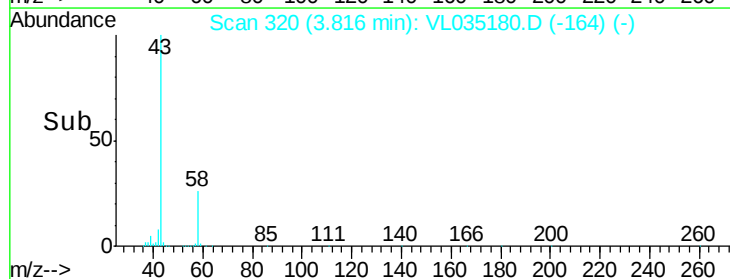
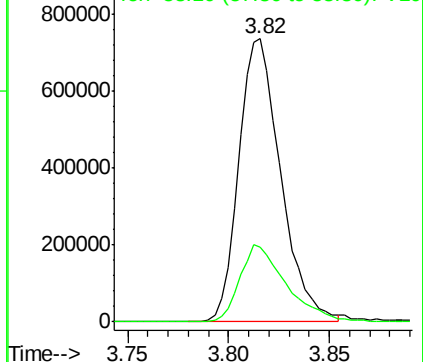
43 100

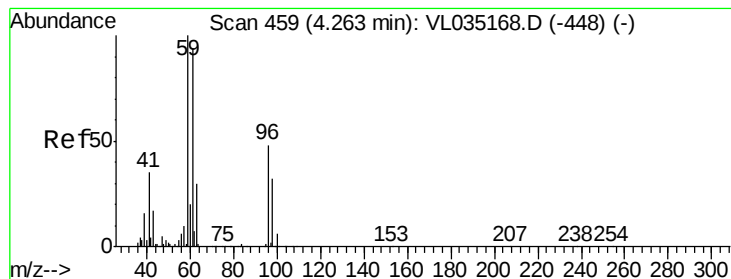
58 30.3 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#17

tert-Butyl alcohol

Concen: 0.975 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.01 min

Lab File: VL035180.D

Acq: 8 Jul 2020 12:00

Instrument :

MSVOA_L

ClientSampleId :

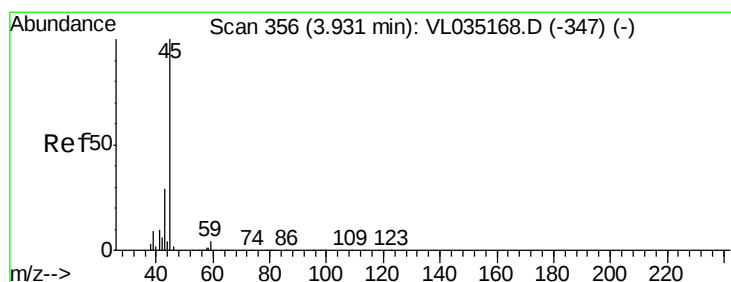
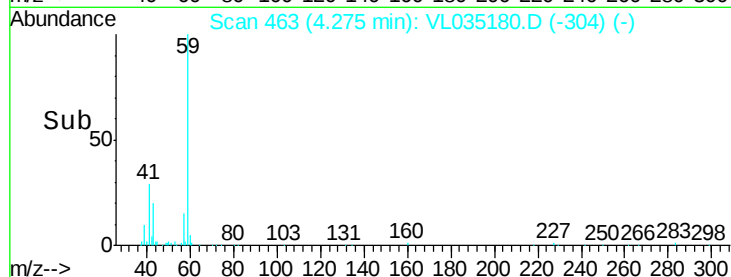
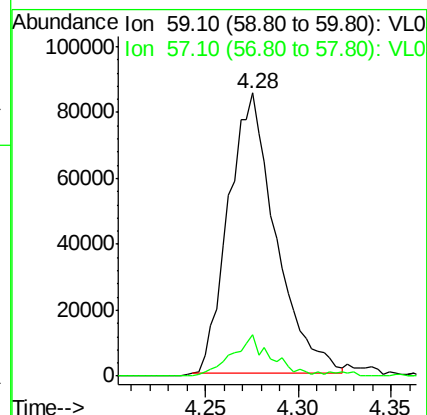
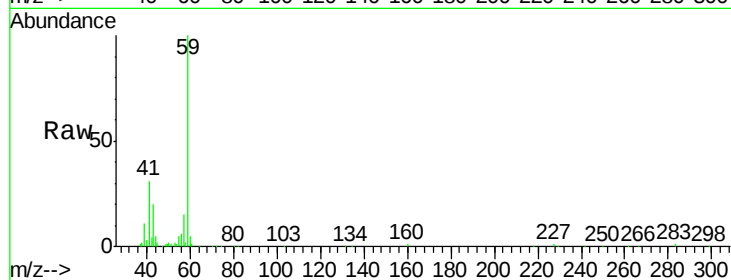
EXHAUST-02DLDP

Tgt Ion: 59 Resp: 151184

Ion Ratio Lower Upper

59 100

57 12.8 8.6 12.8



#19

Isopropyl Alcohol

Concen: 0.487 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.01 min

Lab File: VL035180.D

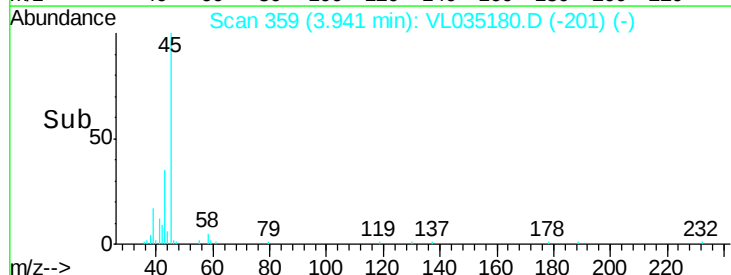
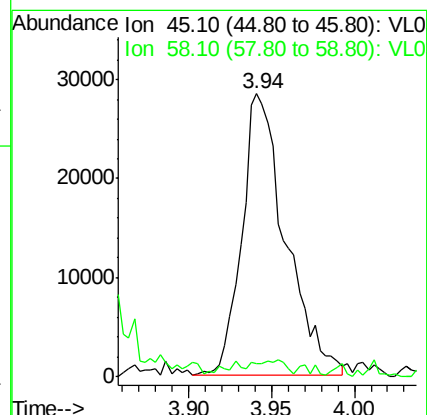
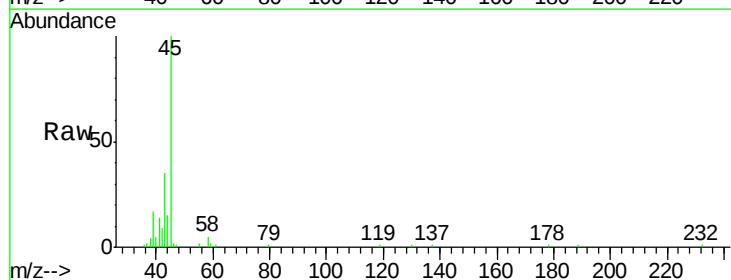
Acq: 8 Jul 2020 12:00

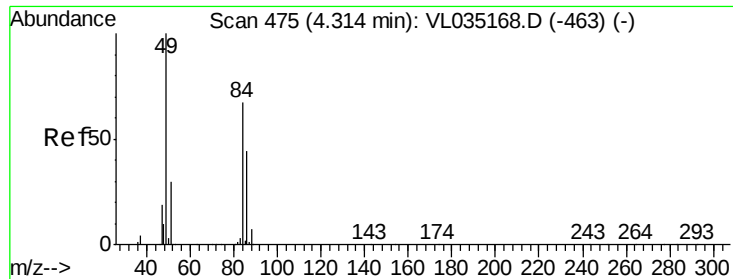
Tgt Ion: 45 Resp: 51522

Ion Ratio Lower Upper

45 100

58 0.0 2.1 3.1#

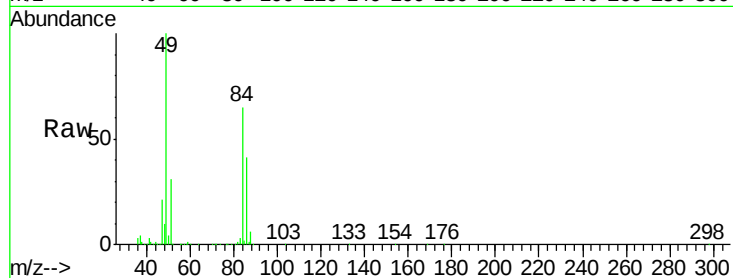




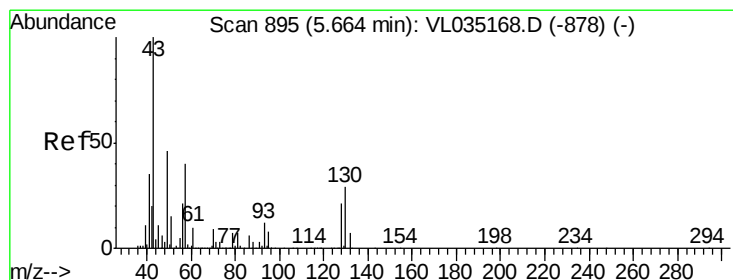
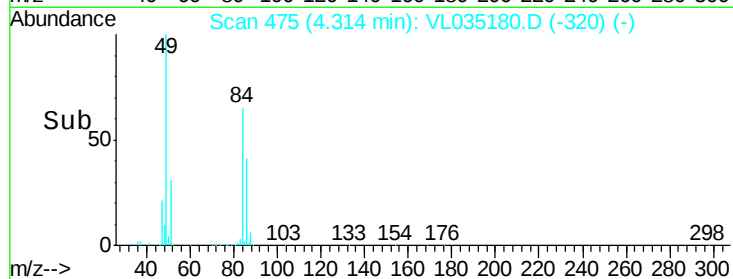
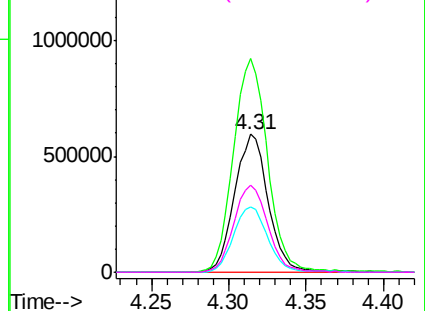
#20
Methylene Chloride
Concen: 11.729 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion:	84	Resp:	894672
Ion	Ratio	Lower	Upper
84	100		
49	154.7	119.4	179.0
51	47.6	36.6	55.0
86	63.5	52.5	78.7

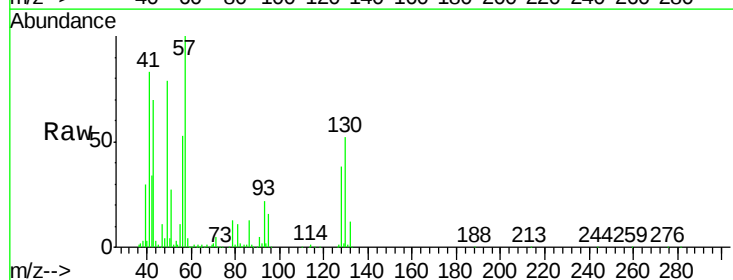


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

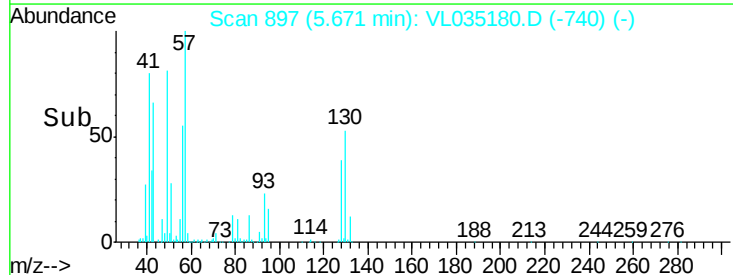
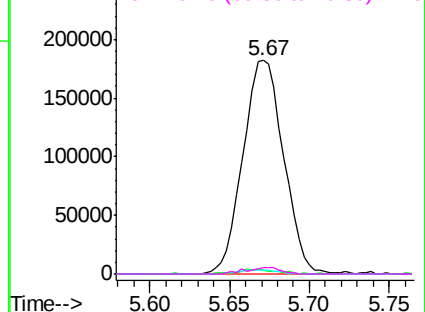


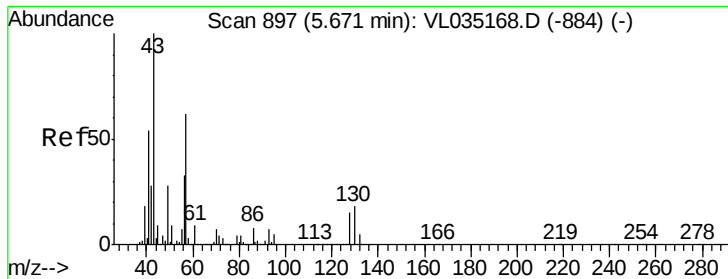
#25
Ethyl Acetate
Concen: 1.156 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion:	43	Resp:	314583
Ion	Ratio	Lower	Upper
43	100		
45	2.4	8.5	12.7#
61	1.9	8.1	12.1#
70	2.9	6.3	9.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

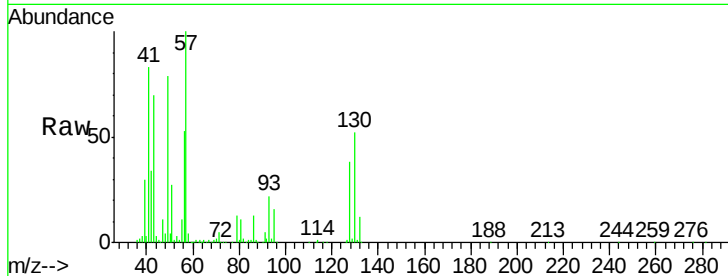




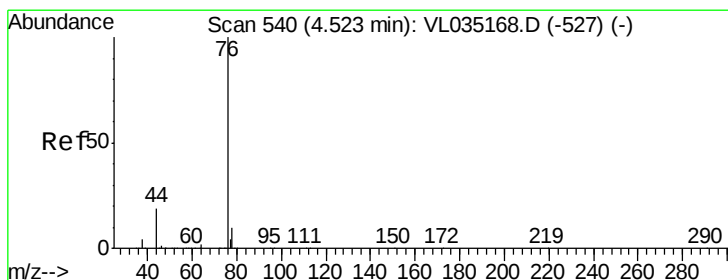
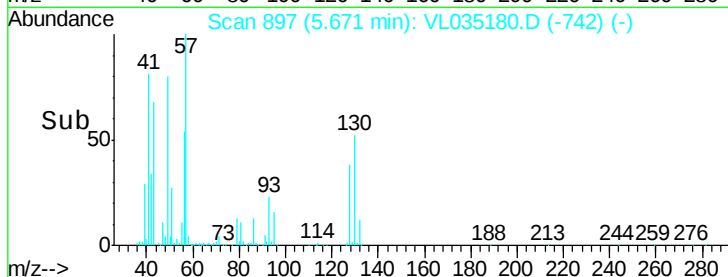
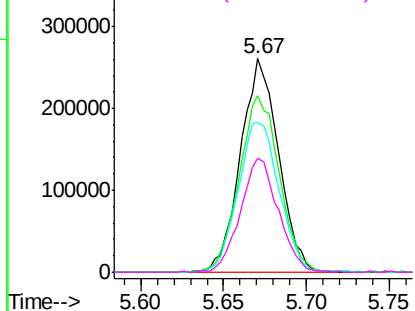
#26
Hexane
Concen: 3.467 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion:	57	Resp:	415928
Ion	Ratio	Lower	Upper
57	100		
41	87.3	72.9	109.3
43	76.0	179.5	269.3#
56	53.5	42.9	64.3

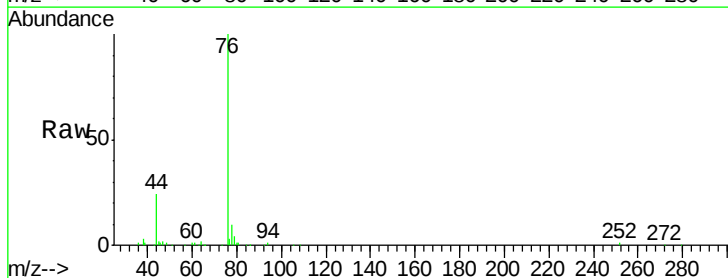


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

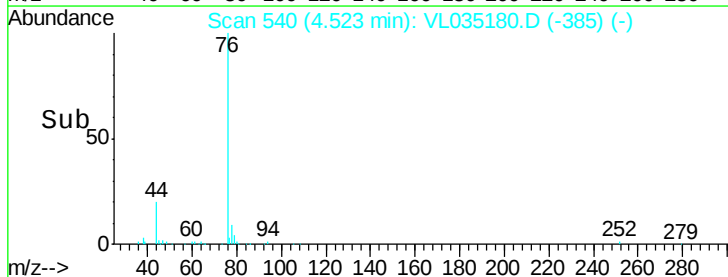
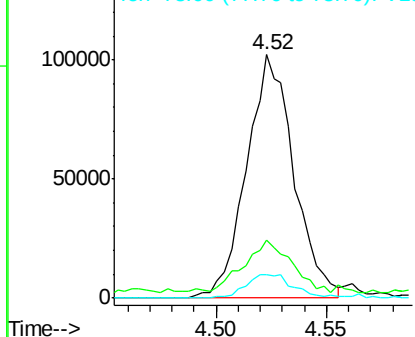


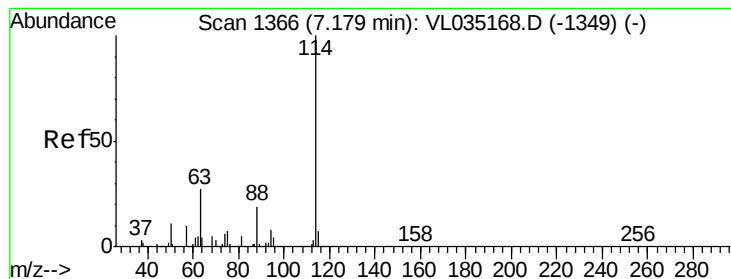
#27
Carbon Disulfide
Concen: 0.907 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion:	76	Resp:	151915
Ion	Ratio	Lower	Upper
76	100		
44	28.4	14.9	22.3#
78	10.6	7.5	11.3



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035180.D

Acq: 8 Jul 2020 12:00

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDUP

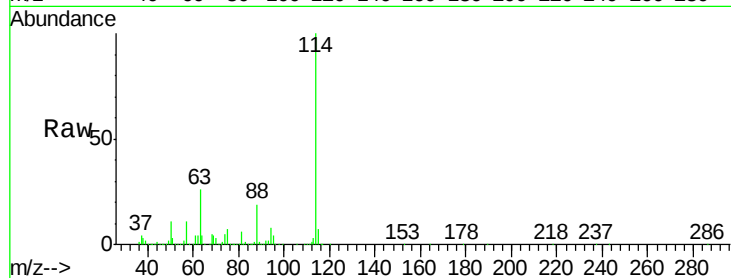
Tgt Ion: 114 Resp: 3035373

Ion Ratio Lower Upper

114 100

63 27.3 22.0 33.0

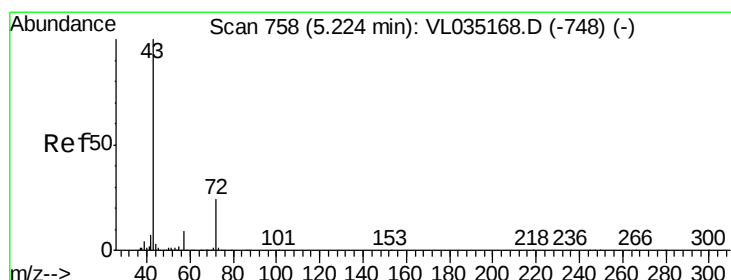
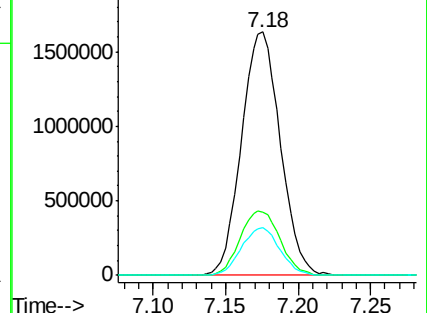
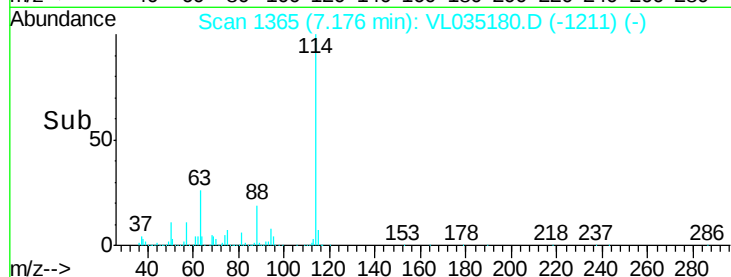
88 19.5 15.4 23.0



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 0.184 ppbv

RT: 5.24 min Scan# 762

Delta R.T. 0.01 min

Lab File: VL035180.D

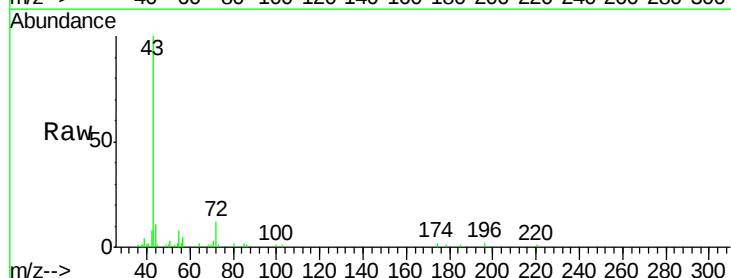
Acq: 8 Jul 2020 12:00

Tgt Ion: 43 Resp: 29877

Ion Ratio Lower Upper

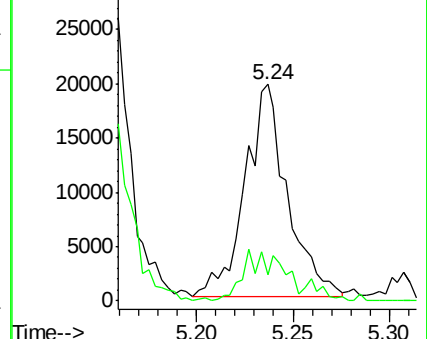
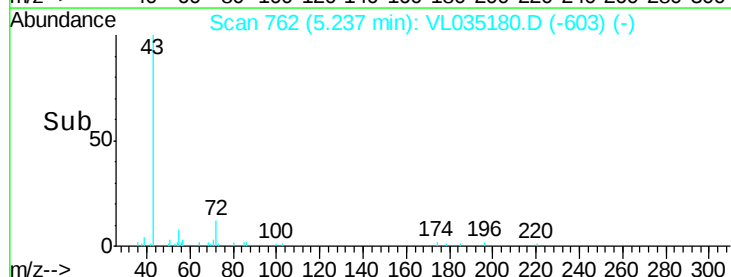
43 100

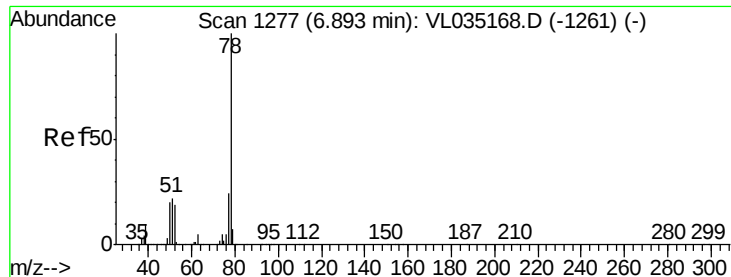
72 25.7 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#36

Benzene

Concen: 1.542 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035180.D

Acq: 8 Jul 2020 12:00

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DLDP

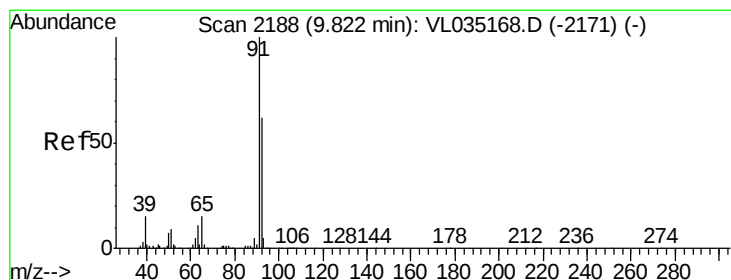
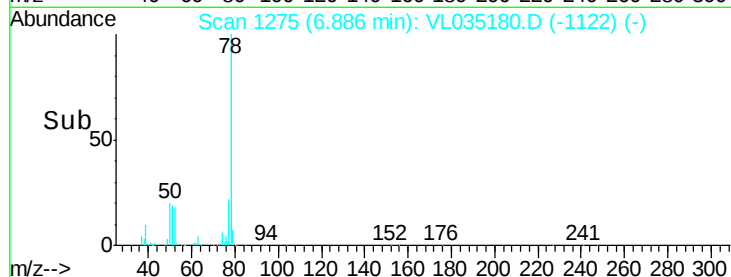
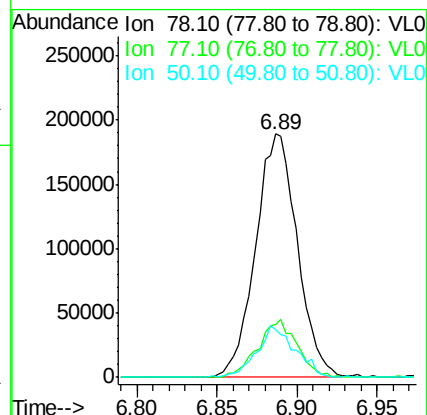
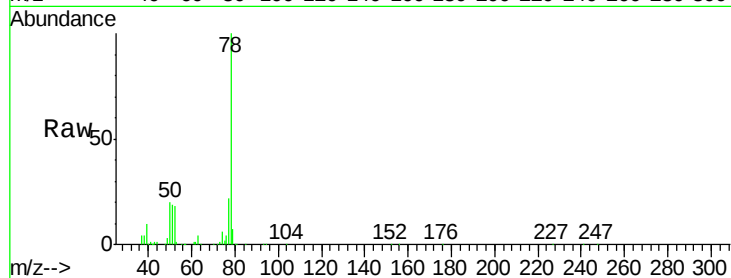
Tgt Ion: 78 Resp: 338695

Ion Ratio Lower Upper

78 100

77 21.8 19.3 28.9

50 19.5 16.0 24.0



#53

Toluene

Concen: 0.148 ppbv m

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035180.D

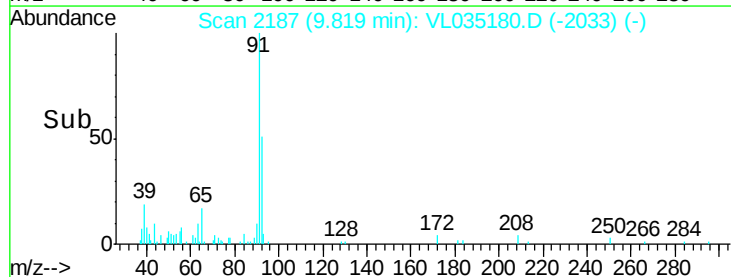
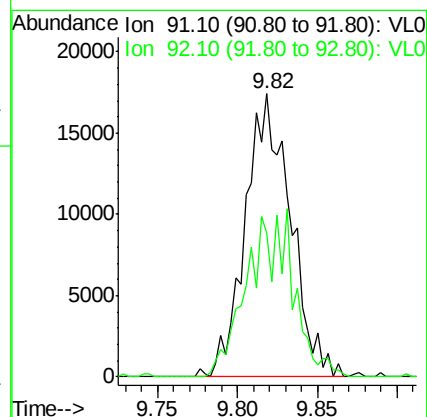
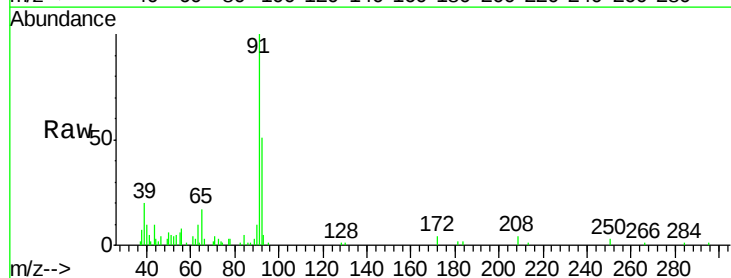
Acq: 8 Jul 2020 12:00

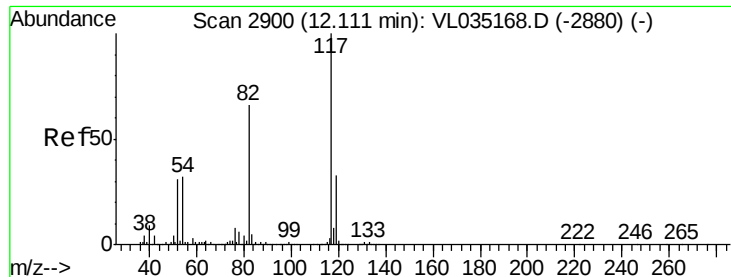
Tgt Ion: 91 Resp: 34201

Ion Ratio Lower Upper

91 100

92 0.0 48.4 72.6#

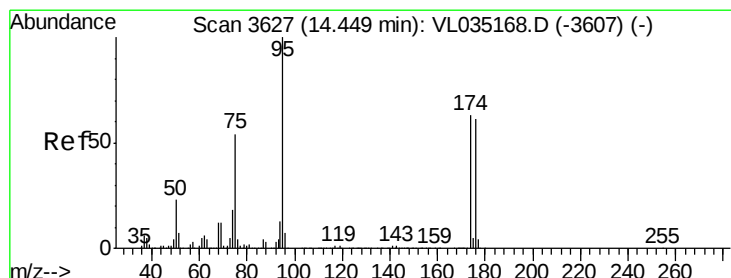
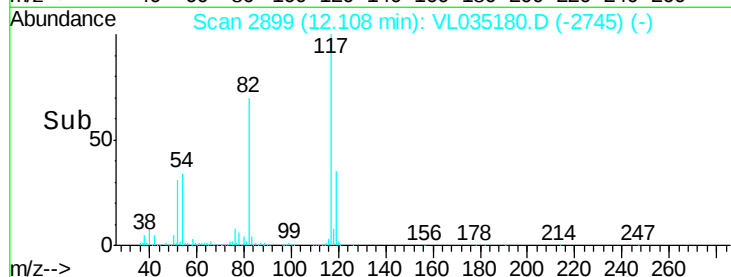
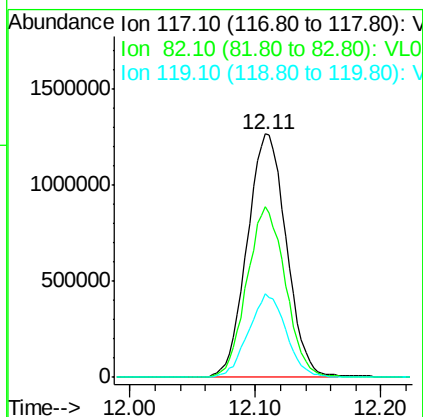
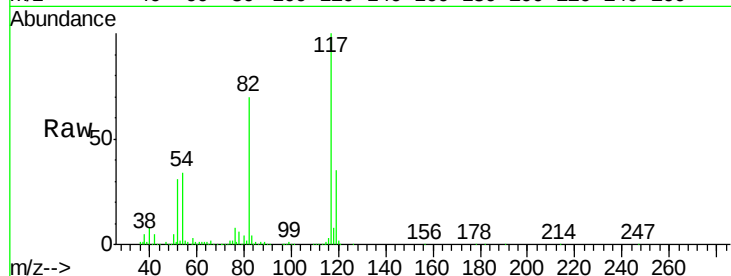




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 117 Resp: 2747187
Ion Ratio Lower Upper
117 100
82 69.2 52.3 78.5
119 33.1 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.186 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 95 Resp: 2273206
Ion Ratio Lower Upper
95 100
174 65.6 52.2 78.2
175 4.8 4.0 6.0

