

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070820\
 Data File : VL035179.D
 Acq On : 8 Jul 2020 11:21
 Operator : SY/AP
 Sample : L3190-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

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Quant Time: Jul 08 13:41:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 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	1345962	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3142200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2857348	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2337372	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	103104	1.835	ppbv	90
13) Ethanol	3.57	45	107101	5.987	ppbv	94
15) Acetone	3.81	43	1097184	6.021	ppbv	92
17) tert-Butyl alcohol	4.27	59	163883	1.016	ppbv	99
19) Isopropyl Alcohol	3.94	45	56316m	0.512	ppbv	
20) Methylene Chloride	4.31	84	902002	11.377	ppbv	94
26) Hexane	5.67	57	421426	3.380	ppbv #	46
27) Carbon Disulfide	4.52	76	160051	0.919	ppbv	98
34) 2-Butanone	5.23	43	33381	0.199	ppbv	92
36) Benzene	6.89	78	364524	1.603	ppbv	96
53) Toluene	9.82	91	42035m	0.175	ppbv	

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

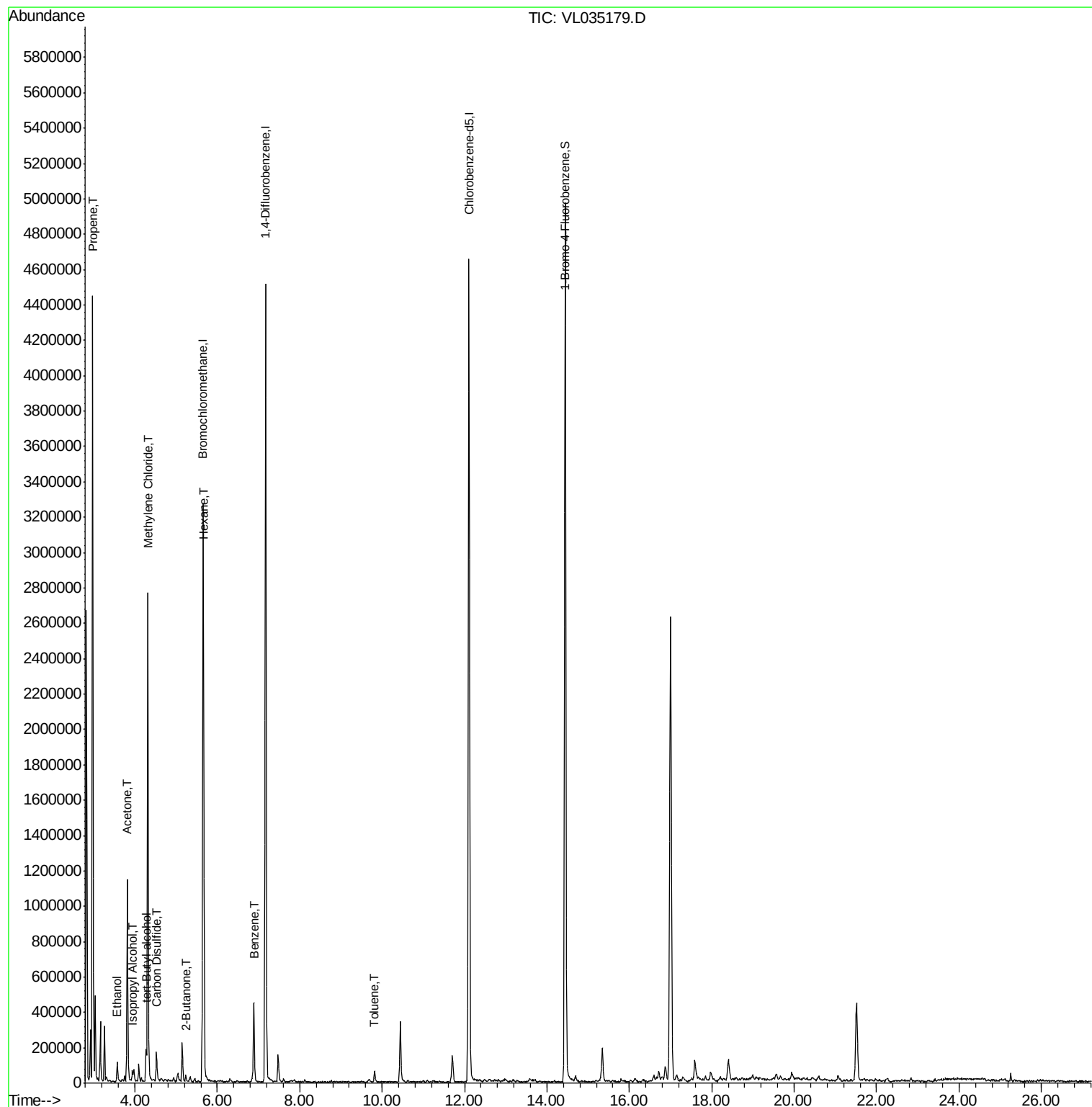
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070820\
Data File : VL035179.D
Acq On : 8 Jul 2020 11:21
Operator : SY/AP
Sample : L3190-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

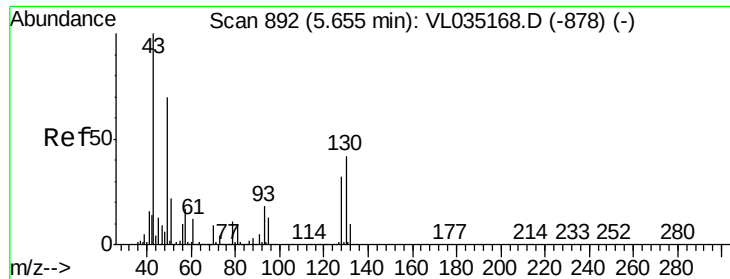
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

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Quant Time: Jul 08 13:41:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

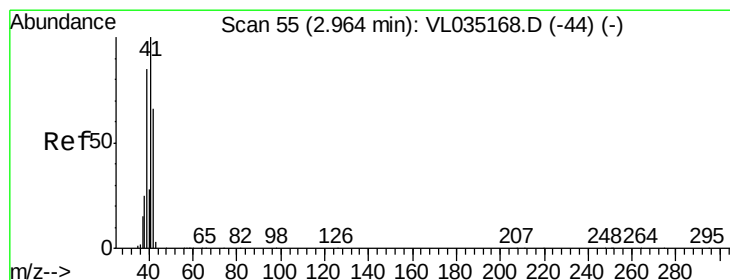
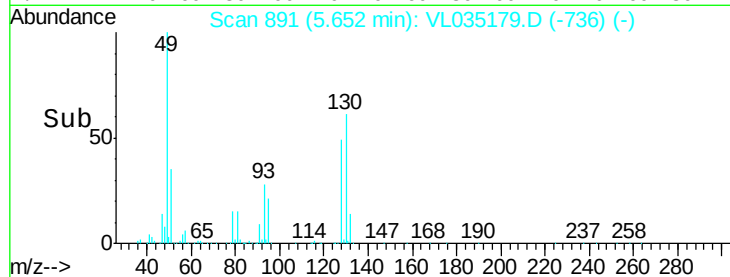
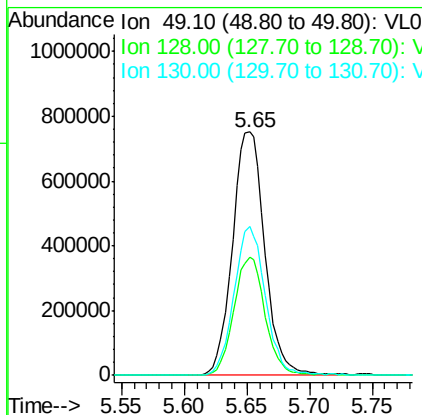
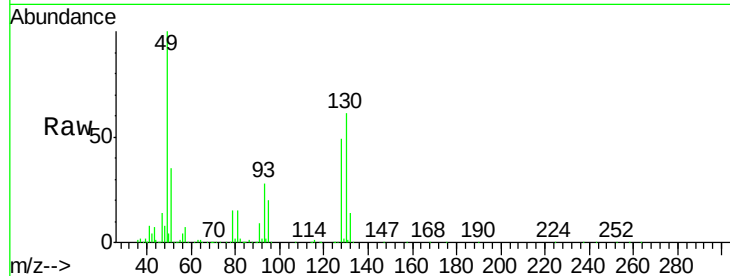
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. -0.00 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.8	71.4
130	59.6	29.9	89.8

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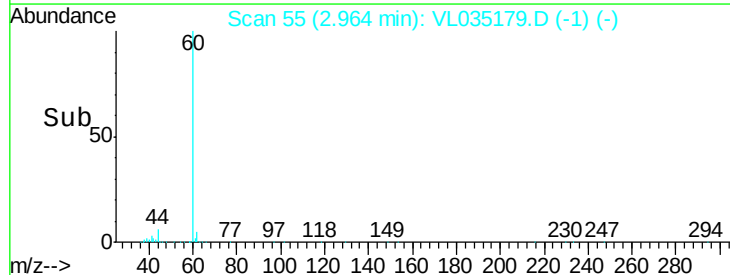
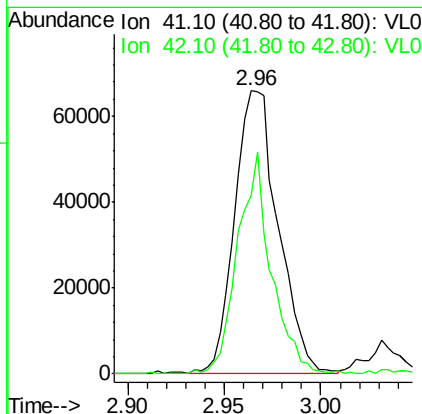
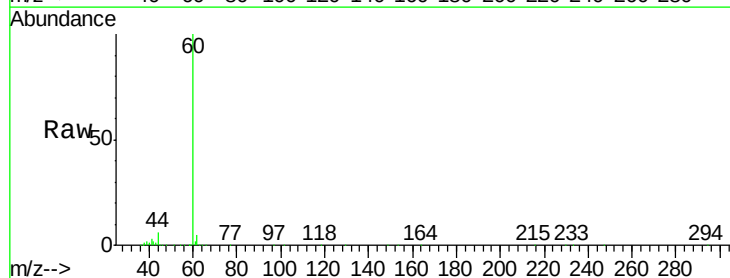
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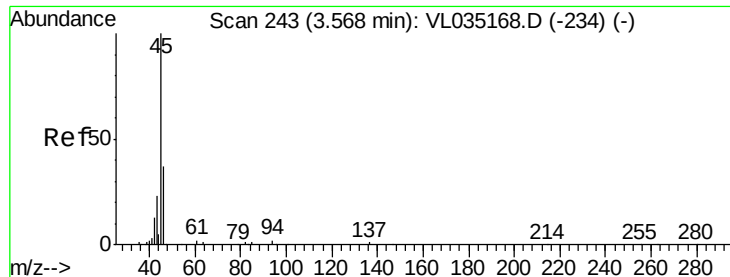


#9

Propene
 Concen: 1.835 ppbv
 RT: 2.96 min Scan# 55
 Delta R.T. 0.00 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Tgt Ion	Ratio	Lower	Upper
41	100		
42	60.4	54.6	81.8





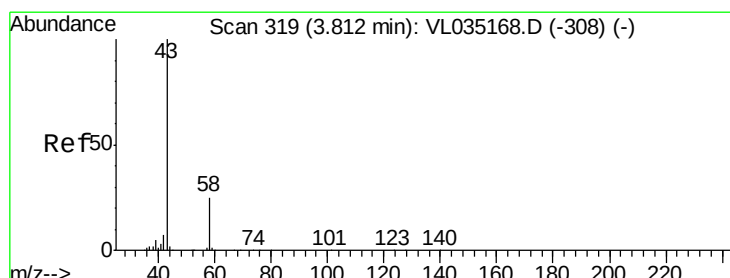
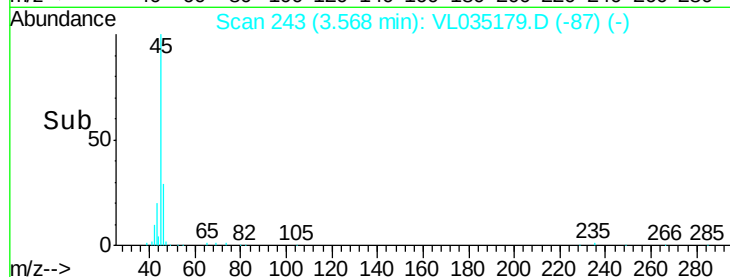
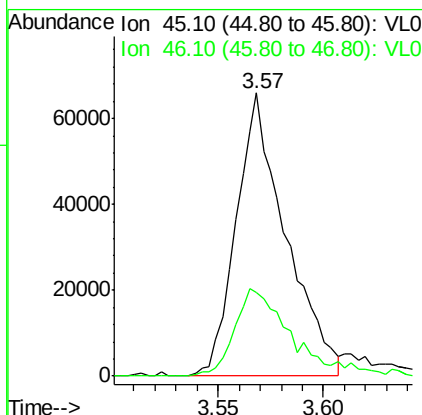
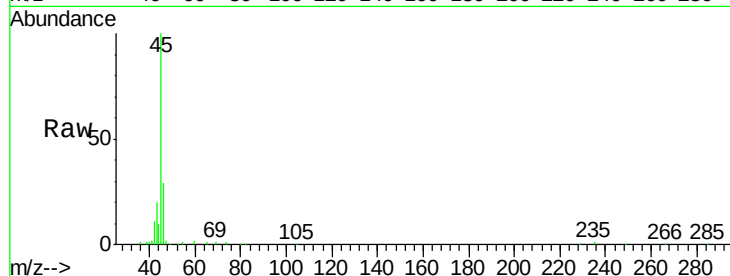
#13
Ethanol
Concen: 5.987 ppbv
RT: 3.57 min Scan# 243
Delta R.T. 0.00 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

Tot Ion	45	Resp	107101
Ion Ratio	100	Lower	Upper
46	36.8	16.2	65.0

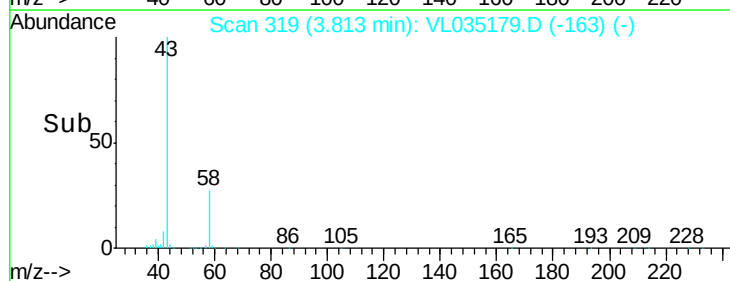
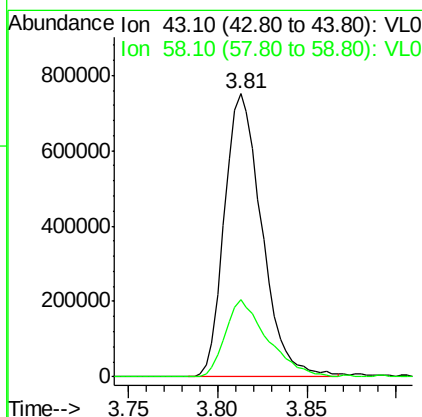
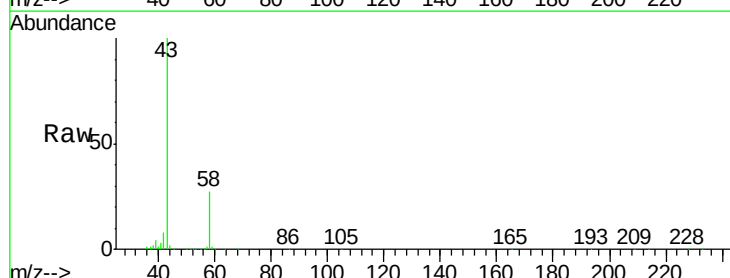
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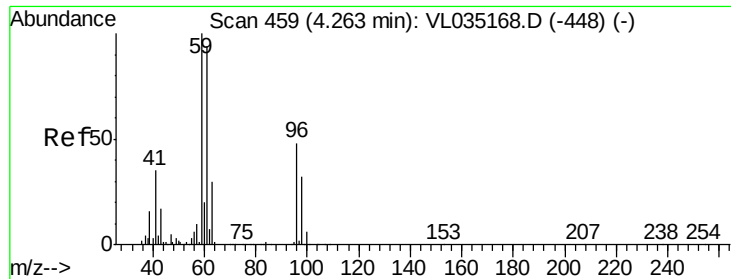
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#15
Acetone
Concen: 6.021 ppbv
RT: 3.81 min Scan# 319
Delta R.T. 0.00 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Tgt Ion	43	Resp	1097184
Ion Ratio	100	Lower	Upper
58	30.9	21.3	31.9





#17

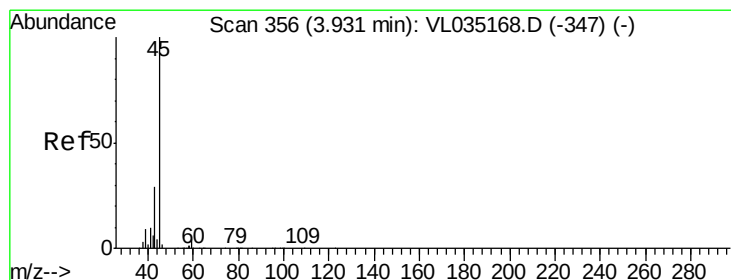
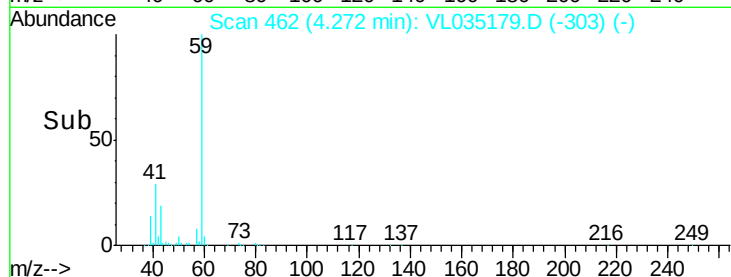
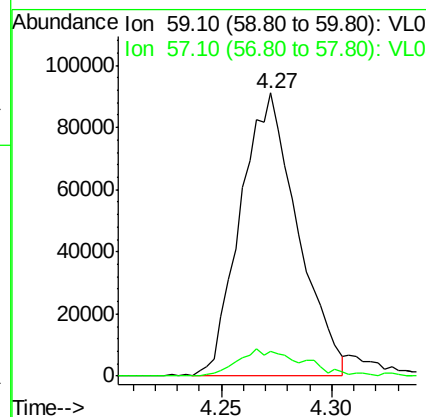
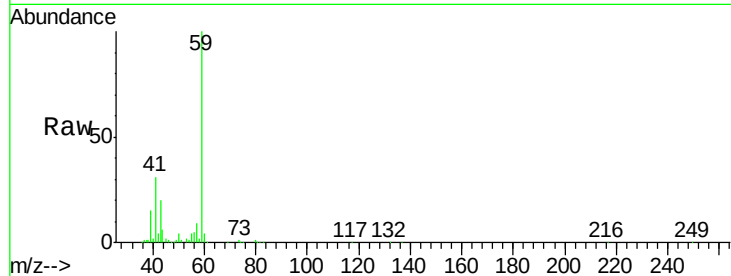
tert-Butyl alcohol
 Concen: 1.016 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. 0.01 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
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Tot Ion	59	Resp	163883
Ion Ratio	100	Lower	Upper
57	11.2	8.6	12.8

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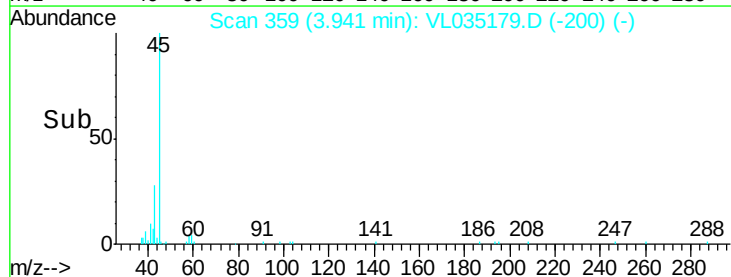
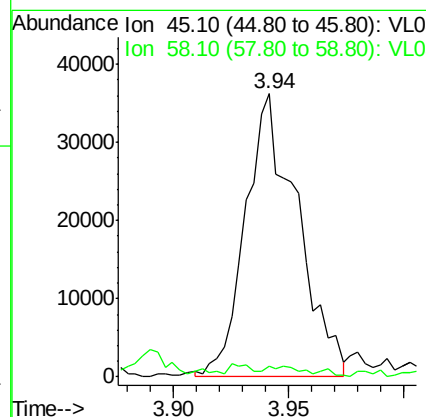
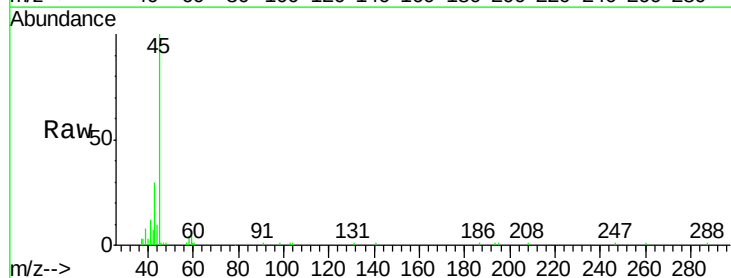
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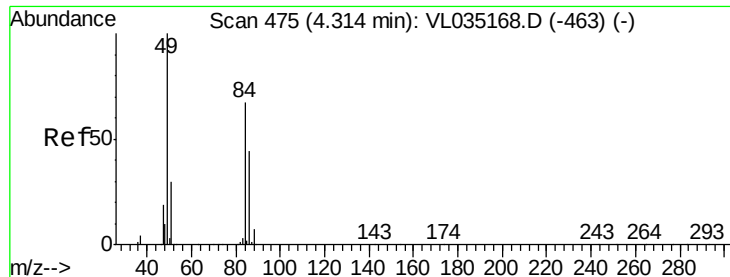


#19

Isopropyl Alcohol
 Concen: 0.512 ppbv m
 RT: 3.94 min Scan# 359
 Delta R.T. 0.01 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Tgt Ion	45	Resp	56316
Ion Ratio	100	Lower	Upper
58	0.0	2.1	3.1#





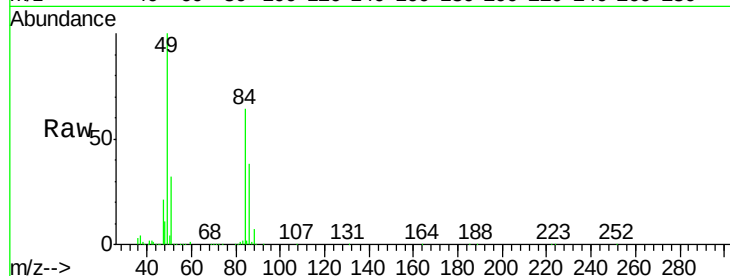
#20
Methvlene Chloride
Concen: 11.377 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

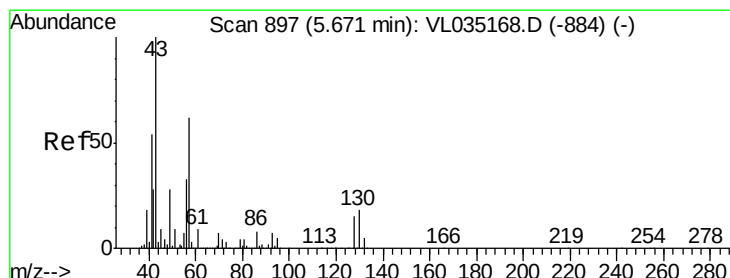
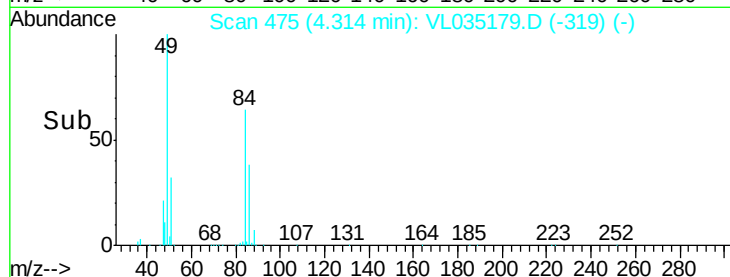
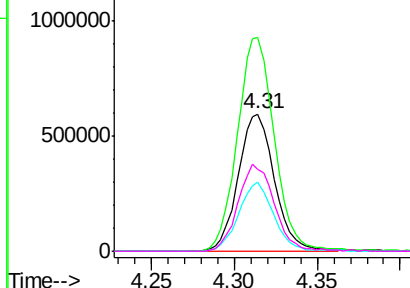
Tot Ion	84	Resp	902002
Ion	Ratio	Lower	Upper
84	100		
49	155.4	119.4	179.0
51	49.8	36.6	55.0
86	59.4	52.5	78.7

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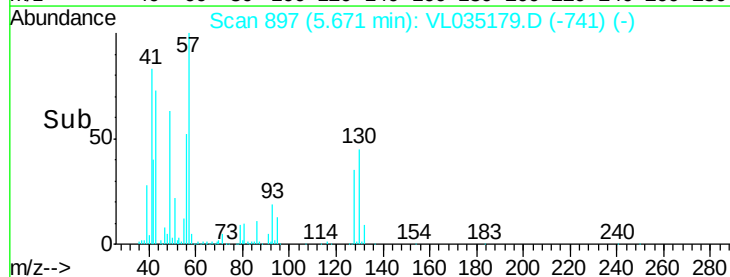
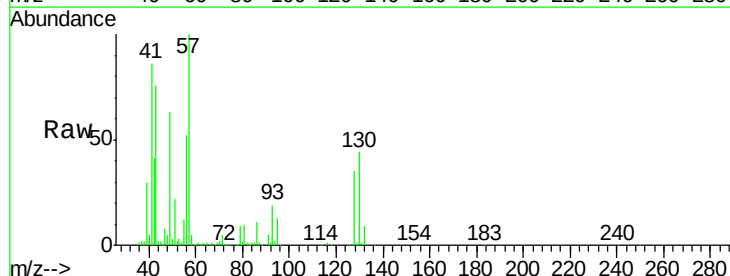
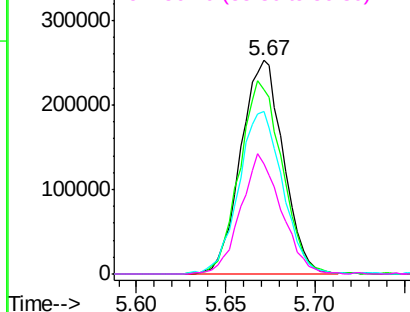
Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

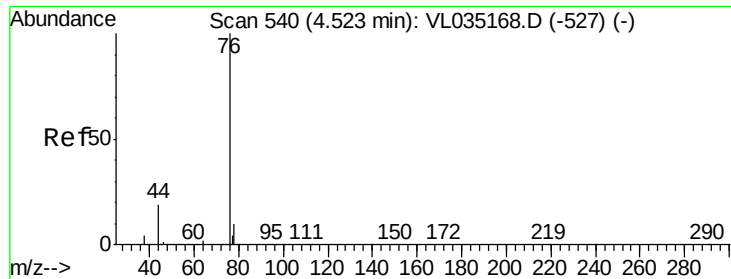


#26
Hexane
Concen: 3.380 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Tgt Ion	57	Resp	421426
Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.9	109.3
43	79.1	179.5	269.3#
56	53.6	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: 0.919 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035179.D

Acq: 8 Jul 2020 11:21

Instrument :

MSVOA_L

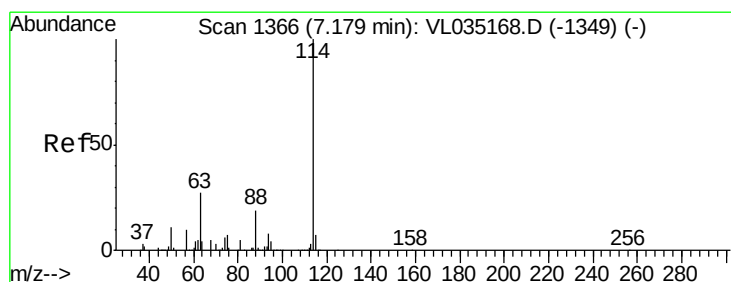
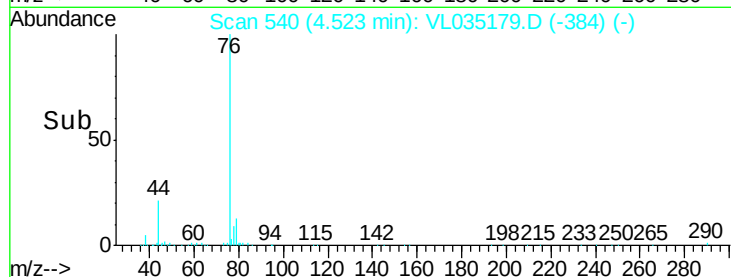
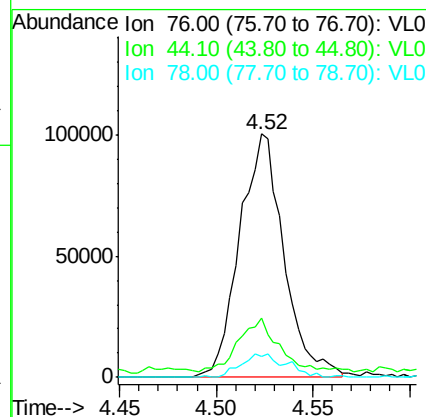
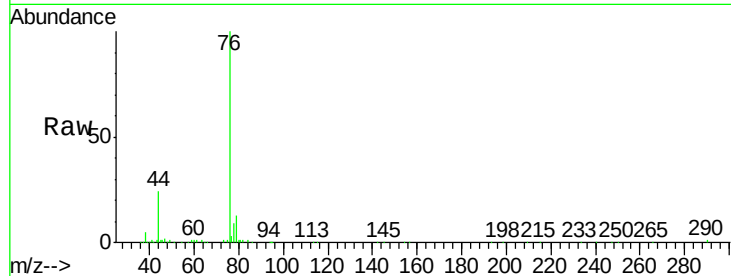
ClientSampleId :

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Tot Ion:	76	Resp:	160051
Ion Ratio	Lower	Upper	
76	100		
44	19.4	14.9	22.3
78	10.1	7.5	11.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

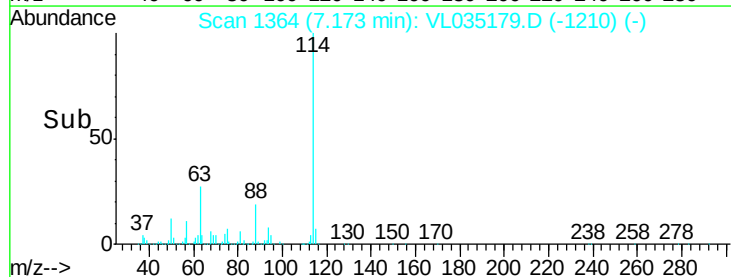
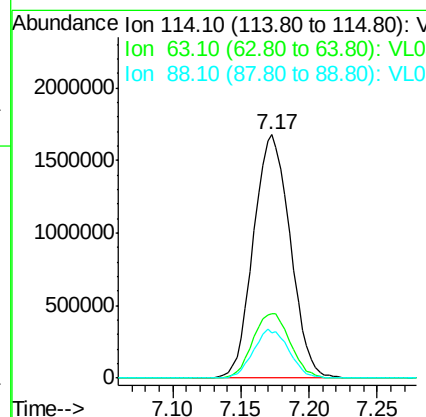
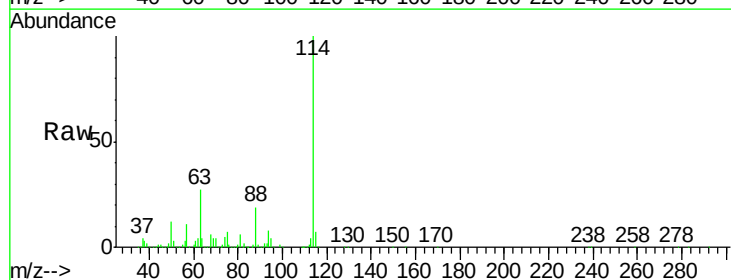
RT: 7.17 min Scan# 1364

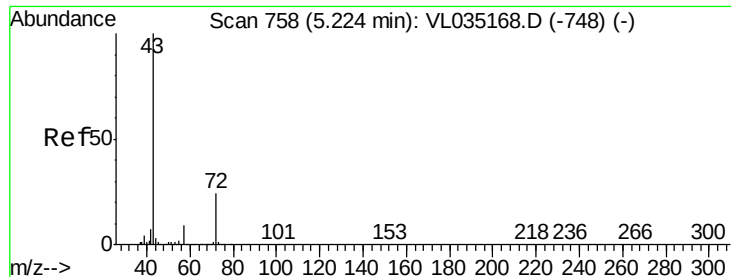
Delta R.T. -0.01 min

Lab File: VL035179.D

Acq: 8 Jul 2020 11:21

Tgt Ion:	114	Resp:	3142200
Ion Ratio	Lower	Upper	
114	100		
63	27.1	22.0	33.0
88	19.6	15.4	23.0





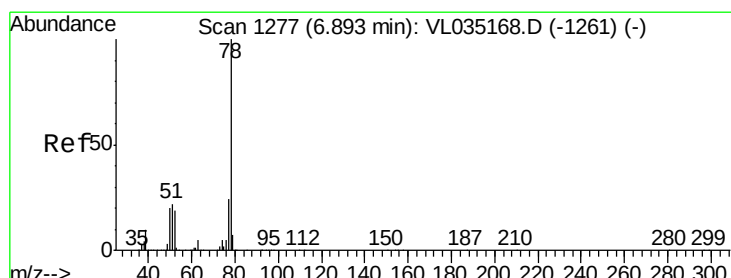
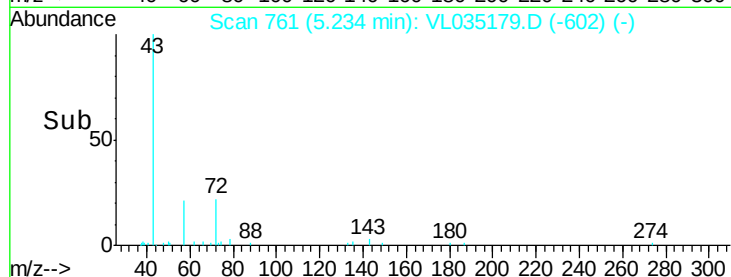
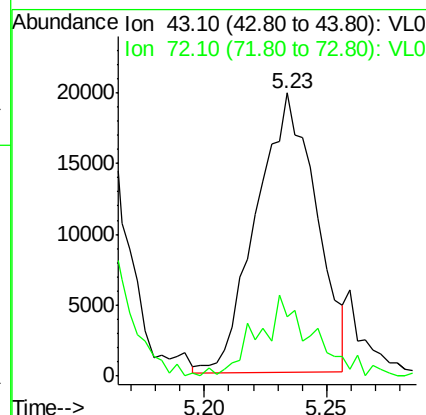
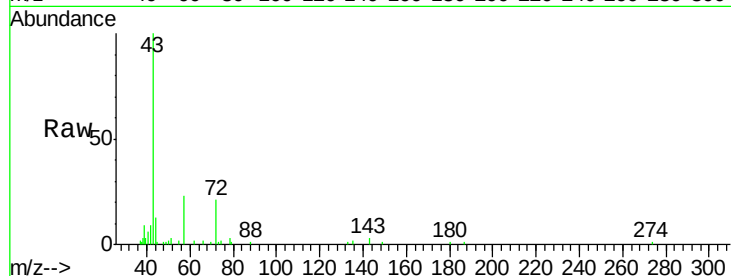
#34
2-Butanone
Concen: 0.199 ppbv
RT: 5.23 min Scan# 761
Delta R.T. 0.01 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.6	28.0

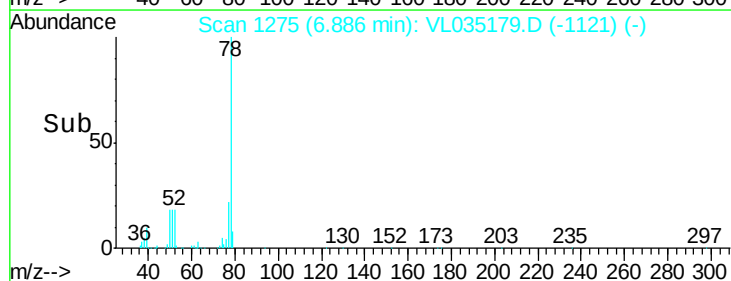
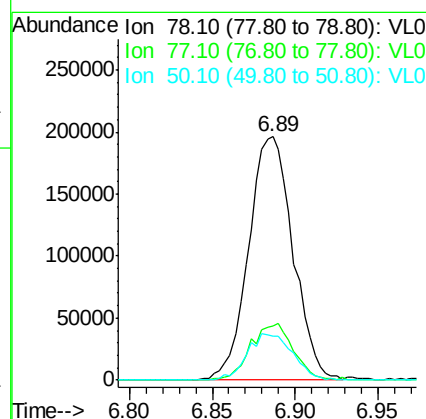
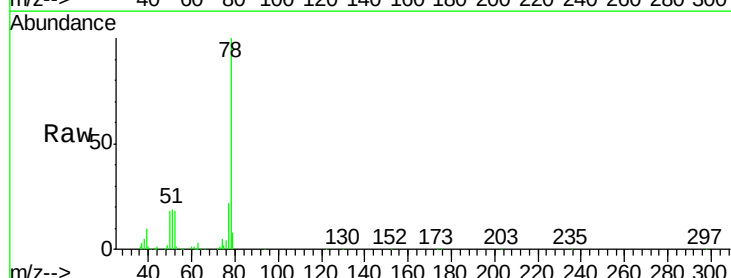
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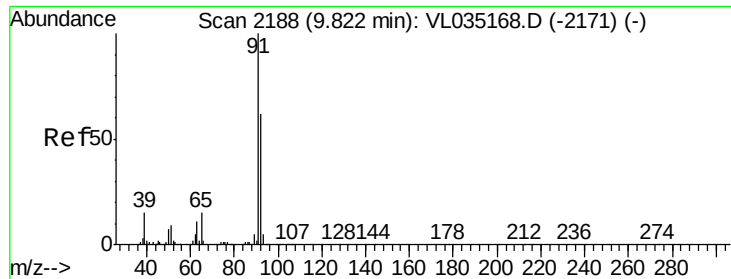
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#36
Benzene
Concen: 1.603 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035179.D
Acq: 8 Jul 2020 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.3	19.3	28.9
50	17.9	16.0	24.0





#53

Toluene

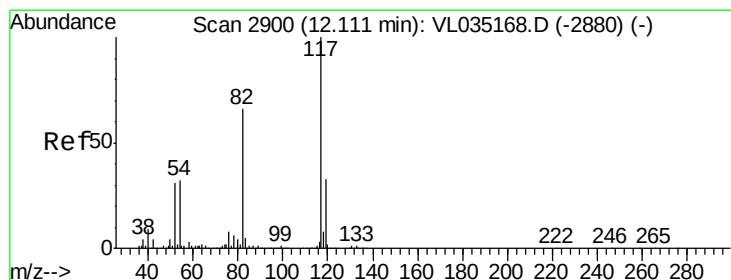
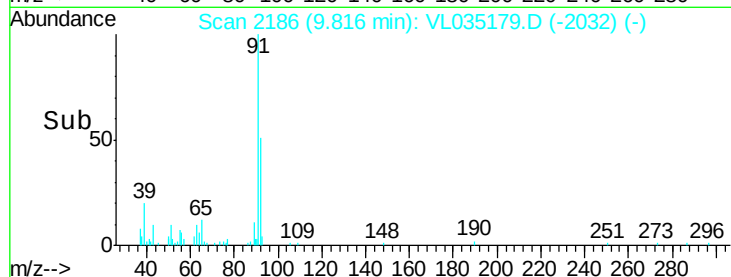
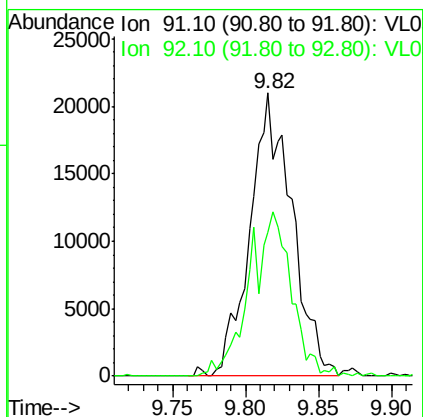
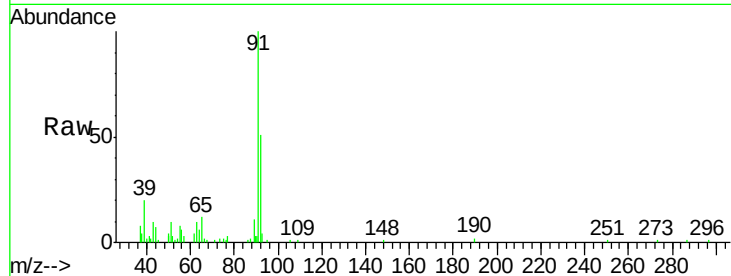
Concen: 0.175 ppbv m
 RT: 9.82 min Scan# 2186
 Delta R.T. -0.01 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion: 91 Resp: 42035
 Ion Ratio Lower Upper
 91 100
 92 57.9 48.4 72.6

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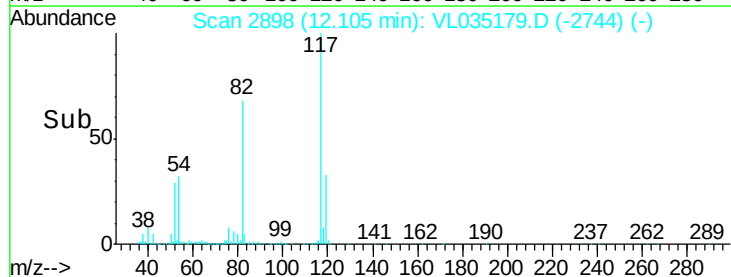
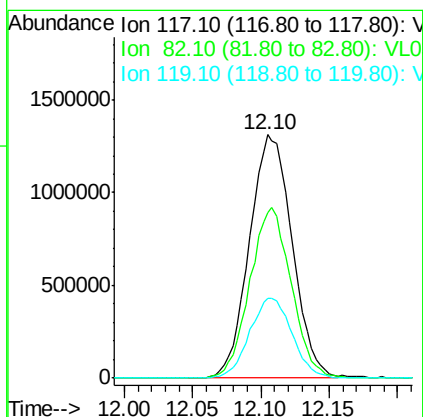
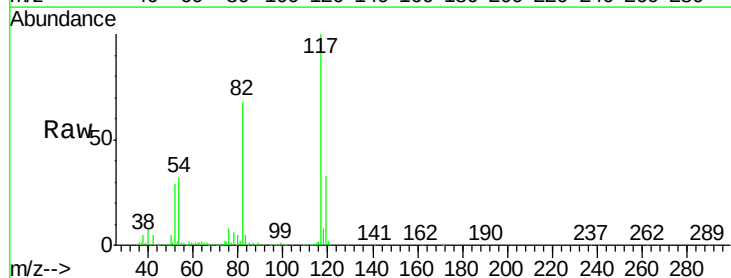


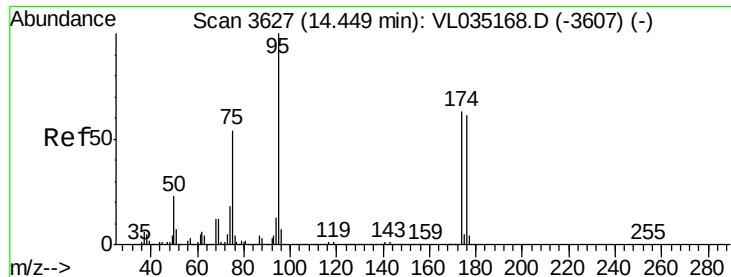
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Tgt Ion: 117 Resp: 2857348
 Ion Ratio Lower Upper
 117 100
 82 68.1 52.3 78.5
 119 32.8 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.070 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. -0.00 min
 Lab File: VL035179.D
 Acq: 8 Jul 2020 11:21

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.2	78.2
175	4.7	4.0	6.0

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