

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070620\
 Data File : VL035151.D
 Acq On : 6 Jul 2020 18:31
 Operator : SY/AP
 Sample : L3190-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Manual Integrations
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 7/9/2020 5:42:32 PM

Quant Time: Jul 07 10:45:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1060752	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2504824	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2339457	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1969785	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	90160m	5.143	ppbv	
15) Acetone	3.81	43	1103776	8.607	ppbv	94
17) tert-Butyl alcohol	4.27	59	170185	1.497	ppbv	97
19) Isopropyl Alcohol	3.94	45	49370	0.593	ppbv #	93
20) Methylene Chloride	4.31	84	769716	14.829	ppbv	94
26) Hexane	5.67	57	296223	2.839	ppbv #	46
27) Carbon Disulfide	4.52	76	249905	2.314	ppbv	99
36) Benzene	6.89	78	368147	1.898	ppbv	96
53) Toluene	9.82	91	39768m	0.192	ppbv	

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

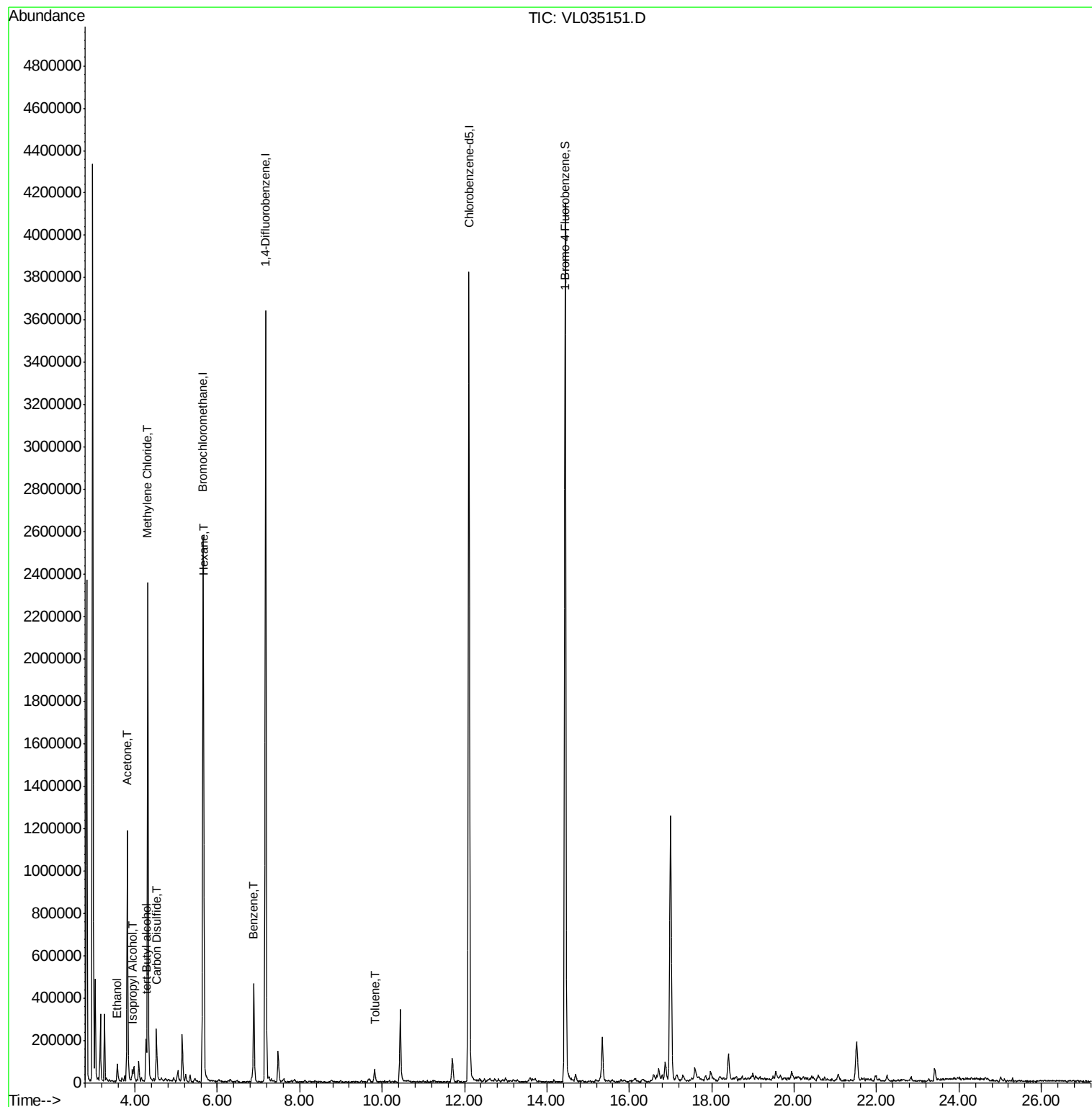
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070620\
Data File : VL035151.D
Acq On : 6 Jul 2020 18:31
Operator : SY/AP
Sample : L3190-03DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

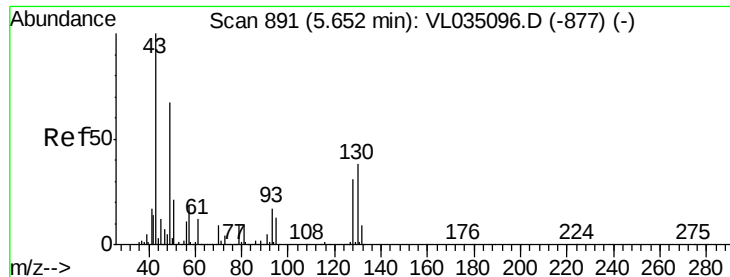
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jul 07 10:45:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

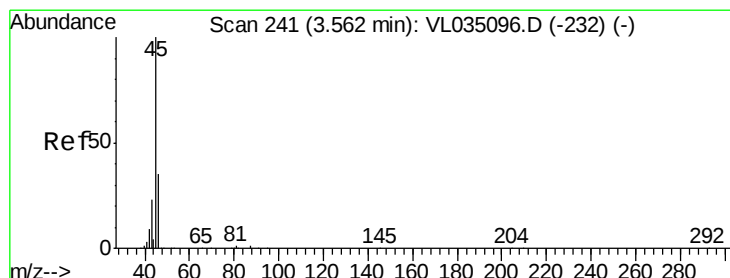
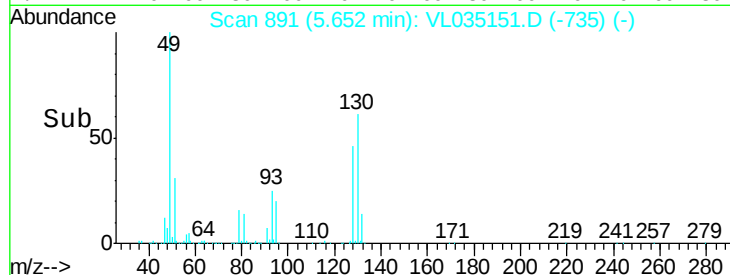
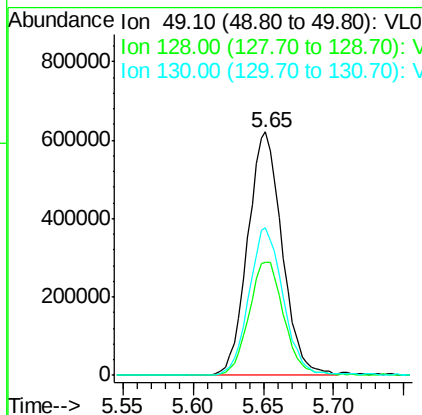
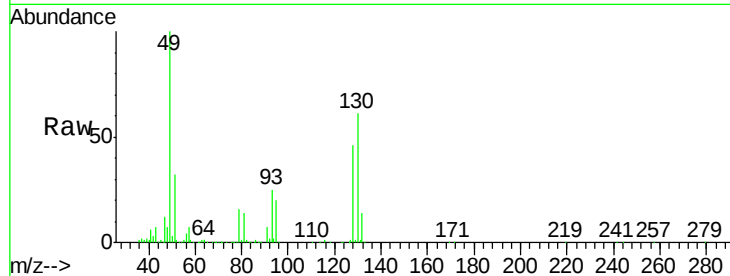
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 891
 Delta R.T. 0.00 min
 Lab File: VL035151.D
 Acq: 6 Jul 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion: 49 Resp: 1060752
 Ion Ratio Lower Upper
 49 100
 128 47.4 22.9 68.5
 130 60.6 29.0 87.0

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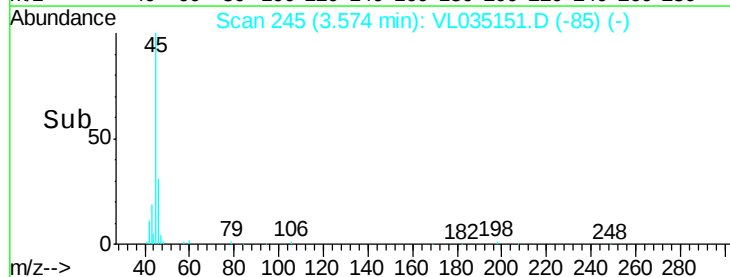
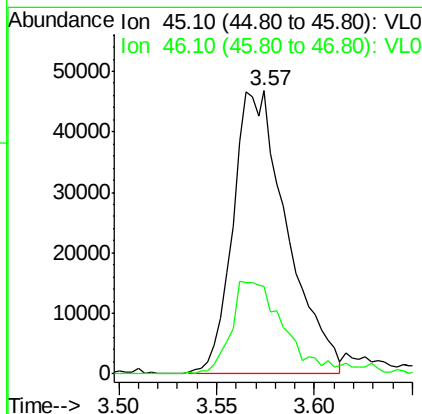
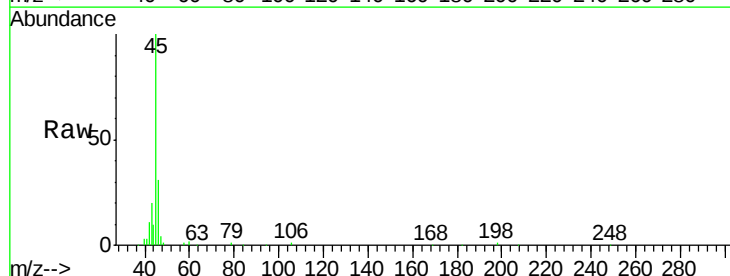
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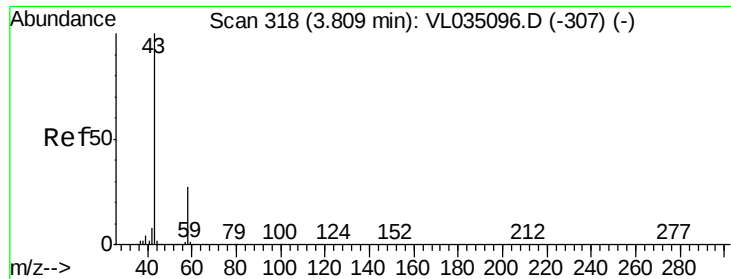


#13

Ethanol
 Concen: 5.143 ppbv m
 RT: 3.57 min Scan# 245
 Delta R.T. 0.01 min
 Lab File: VL035151.D
 Acq: 6 Jul 2020 18:31

Tgt Ion: 45 Resp: 90160
 Ion Ratio Lower Upper
 45 100
 46 33.8 14.2 57.0





#15

Acetone

Concen: 8.607 ppbv

RT: 3.81 min Scan# 319

Delta R.T. 0.00 min

Lab File: VL035151.D

Acq: 6 Jul 2020 18:31

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-02DL

Tot Ion: 43 Resp: 1103776

Ion Ratio Lower Upper

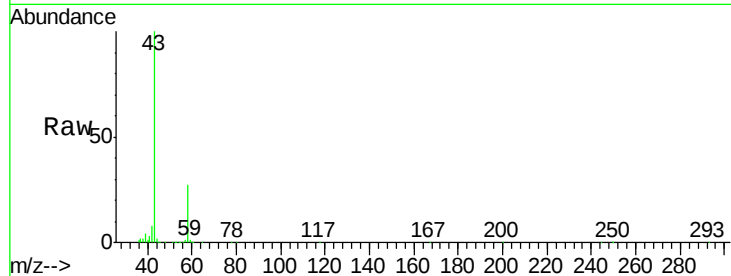
43 100

58 30.3 21.8 32.6

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.81

800000

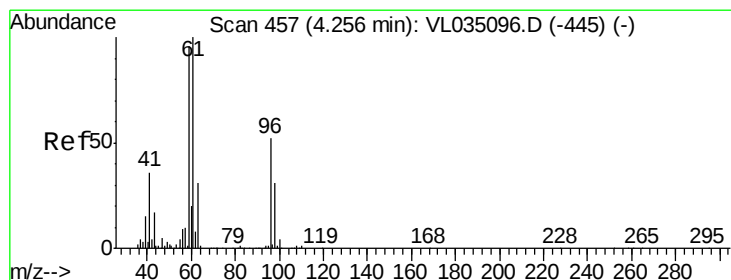
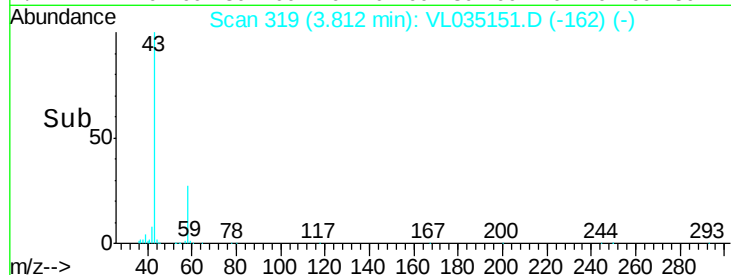
600000

400000

200000

0

Time-->



#17

tert-Butyl alcohol

Concen: 1.497 ppbv

RT: 4.27 min Scan# 461

Delta R.T. 0.01 min

Lab File: VL035151.D

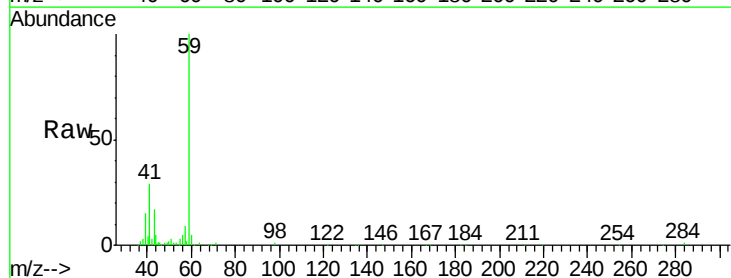
Acq: 6 Jul 2020 18:31

Tgt Ion: 59 Resp: 170185

Ion Ratio Lower Upper

59 100

57 11.7 8.6 12.8



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.27

100000

80000

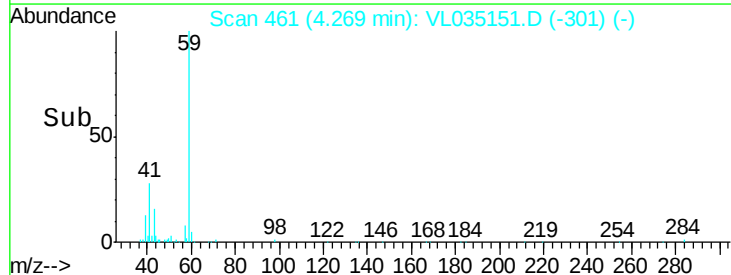
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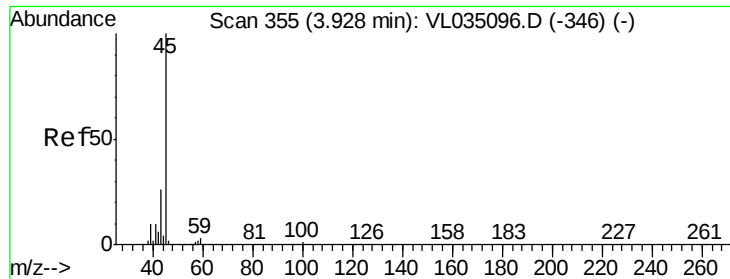
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20000

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Time-->





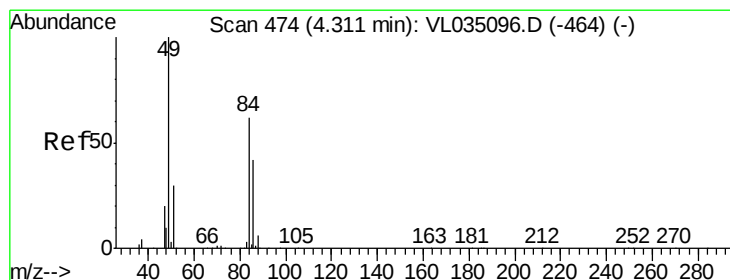
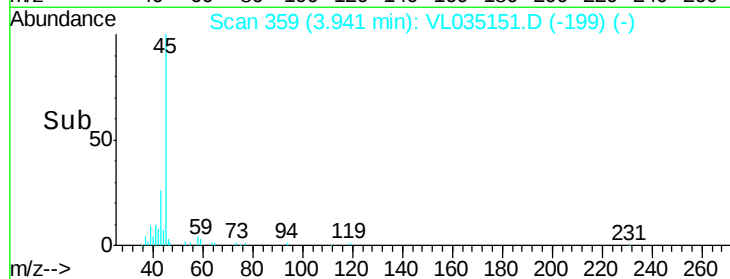
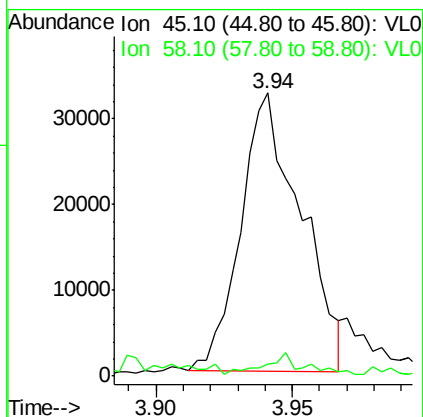
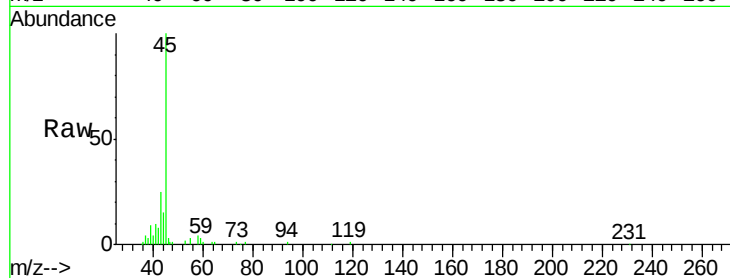
#19
Isopropyl Alcohol
Concen: 0.593 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.01 min
Lab File: VL035151.D
Acq: 6 Jul 2020 18:31

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

Tot Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.8	2.8#

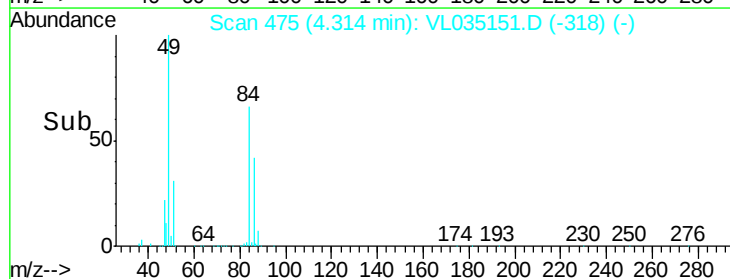
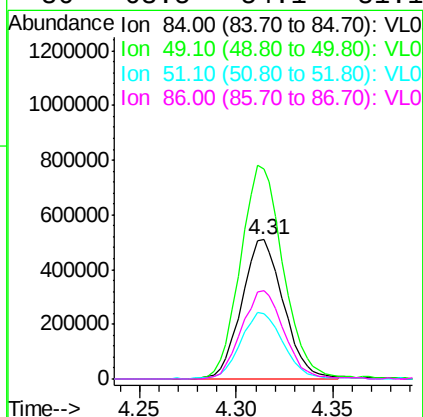
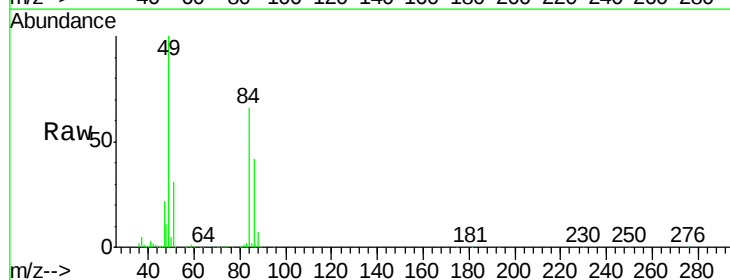
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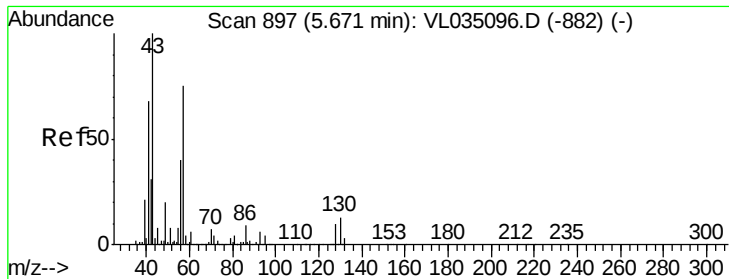
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#20
Methylene Chloride
Concen: 14.829 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035151.D
Acq: 6 Jul 2020 18:31

Tgt Ion	Ratio	Lower	Upper
84	100		
49	150.7	128.8	193.2
51	46.3	38.7	58.1
86	63.5	54.1	81.1





#26

Hexane

Concen: 2.839 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035151.D

Acq: 6 Jul 2020 18:31

Instrument :

MSVOA_L

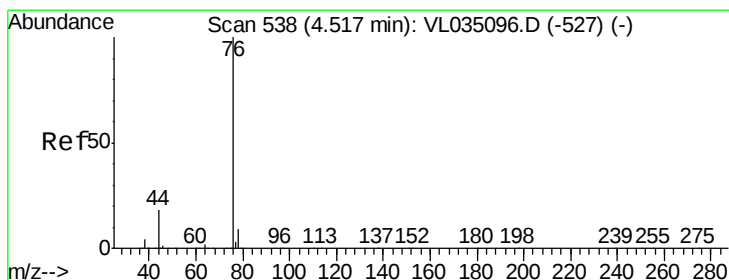
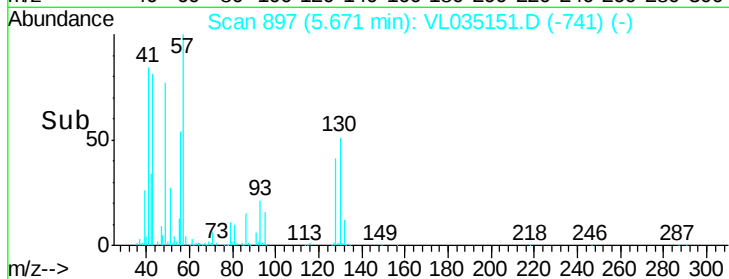
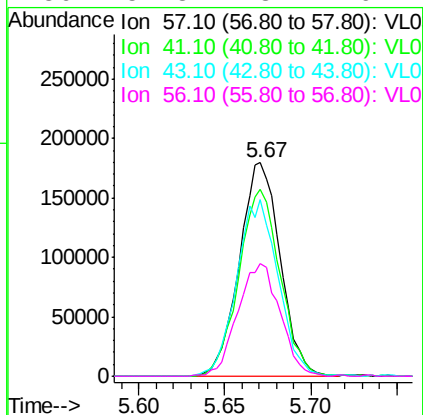
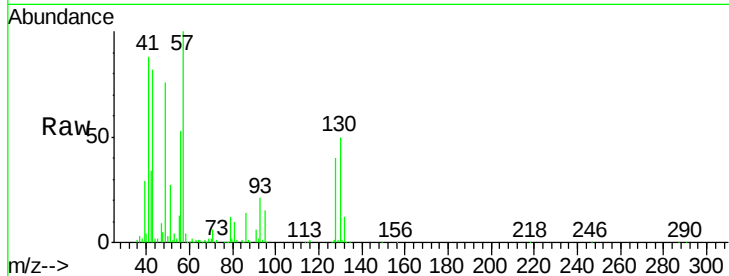
ClientSampleId :

EXHAUST-02DL

Tot Ion	57	Resp	296223
Ion	Ratio	Lower	Upper
57	100		
41	88.8	72.9	109.3
43	84.0	181.3	271.9#
56	54.8	43.1	64.7

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#27

Carbon Disulfide

Concen: 2.314 ppbv

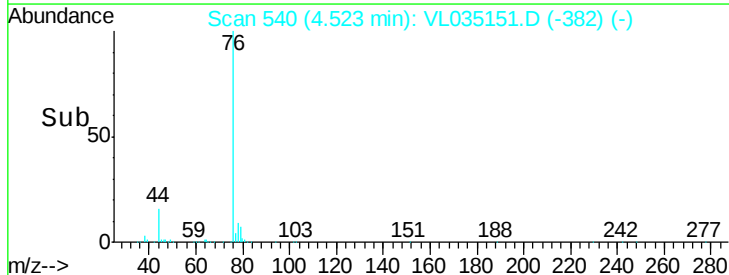
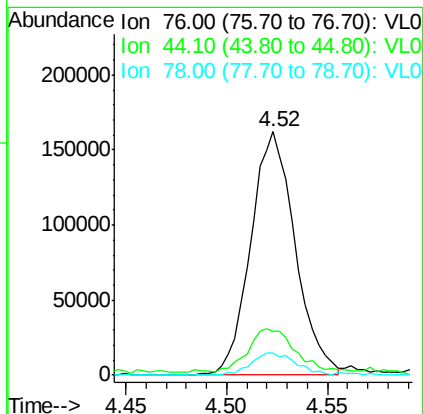
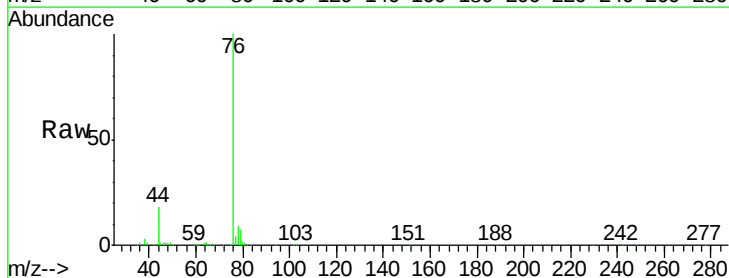
RT: 4.52 min Scan# 540

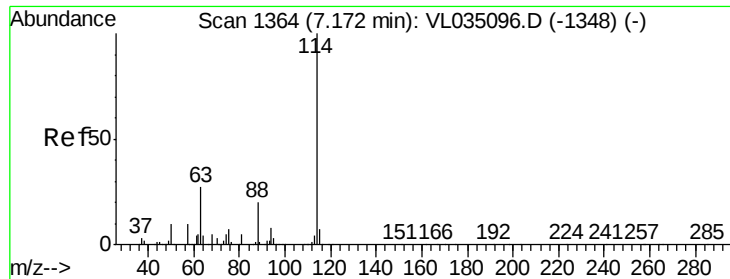
Delta R.T. 0.01 min

Lab File: VL035151.D

Acq: 6 Jul 2020 18:31

Tgt Ion	76	Resp	249905
Ion	Ratio	Lower	Upper
76	100		
44	19.5	15.8	23.8
78	9.9	7.6	11.4





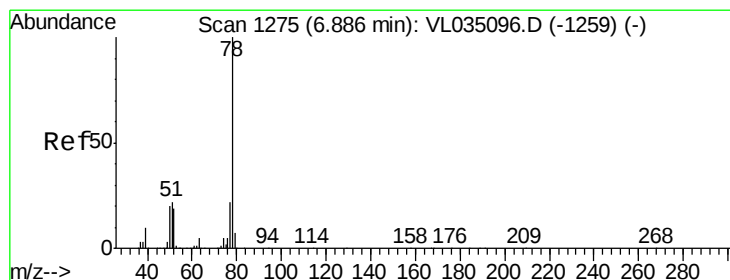
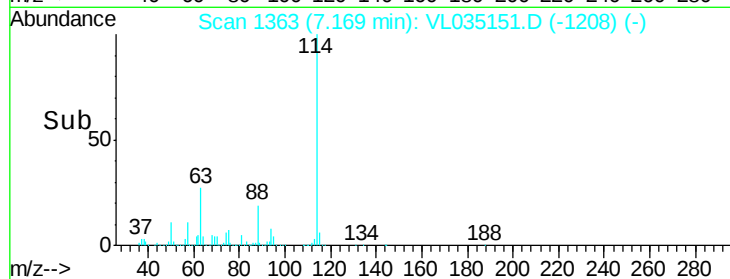
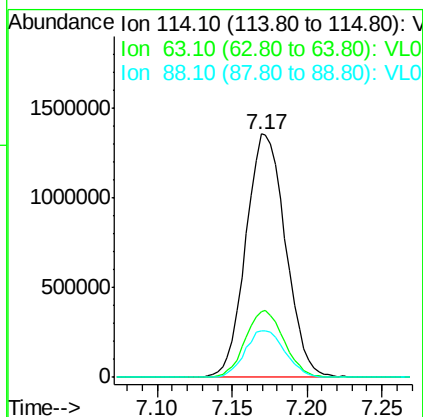
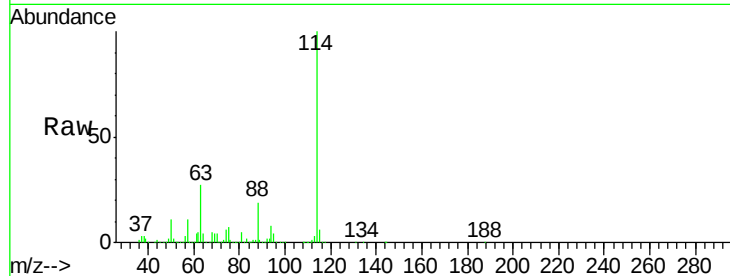
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VL035151.D
 Acq: 6 Jul 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.9	21.9	32.9
88	19.4	15.6	23.4

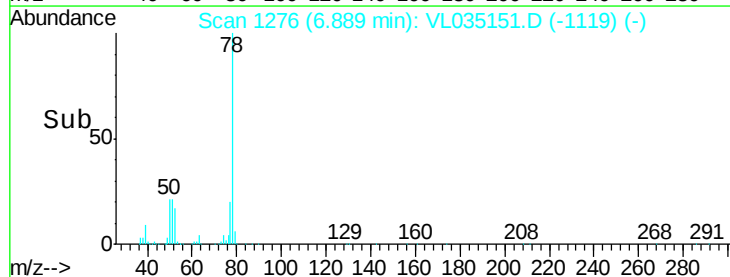
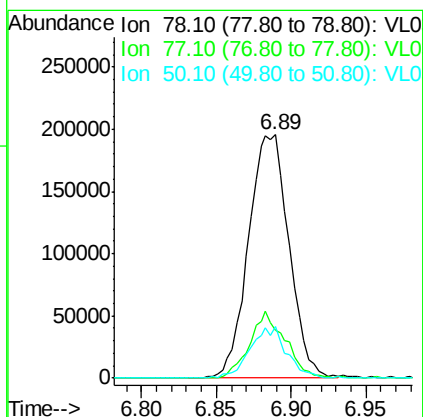
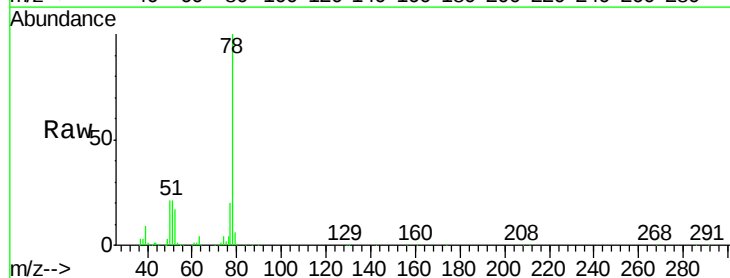
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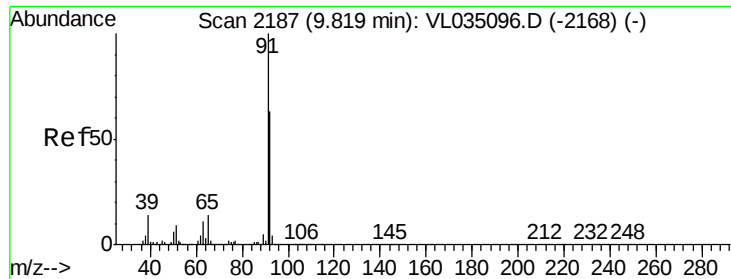
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#36
 Benzene
 Concen: 1.898 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VL035151.D
 Acq: 6 Jul 2020 18:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.6	17.8	26.6
50	21.1	16.2	24.2





#53

Toluene

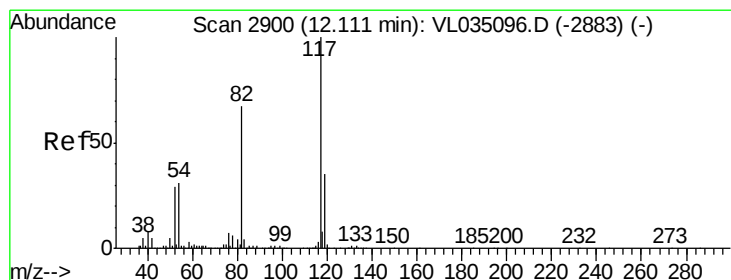
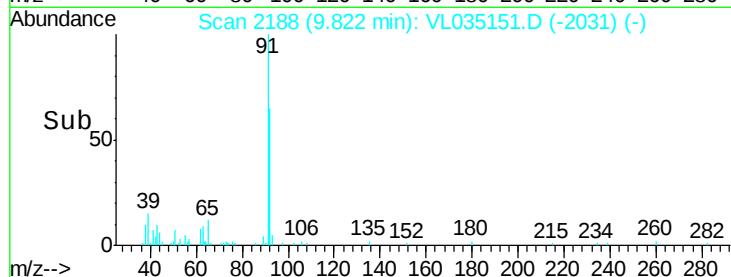
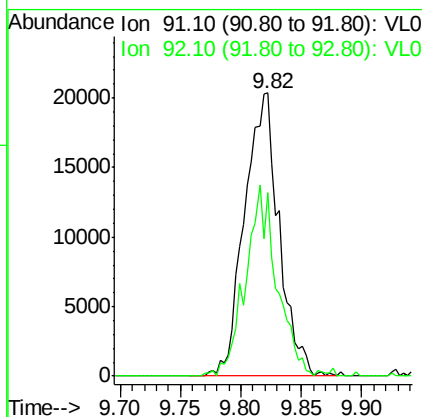
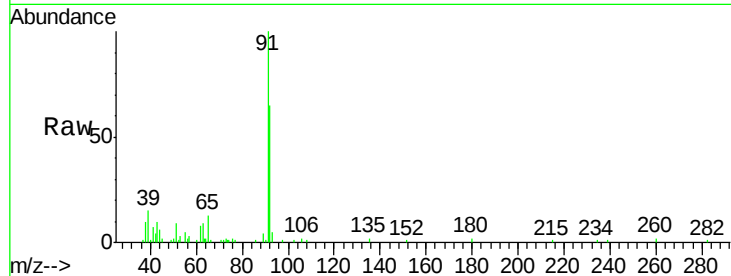
Concen: 0.192 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VL035151.D
Acq: 6 Jul 2020 18:31

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DL

Tot Ion	Ion	Ratio	Lower	Upper
91	91	100		
92	92	61.9	49.0	73.6

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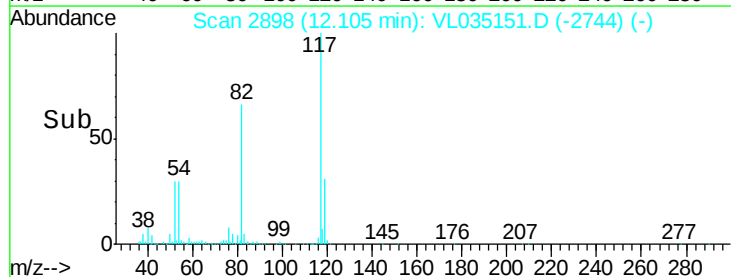
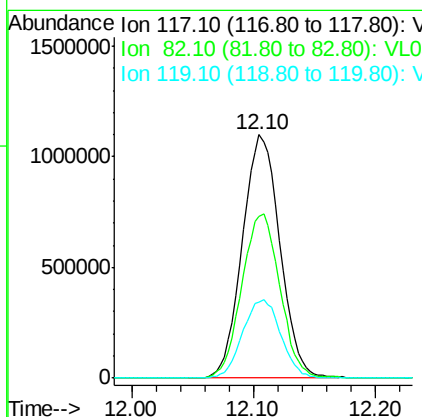
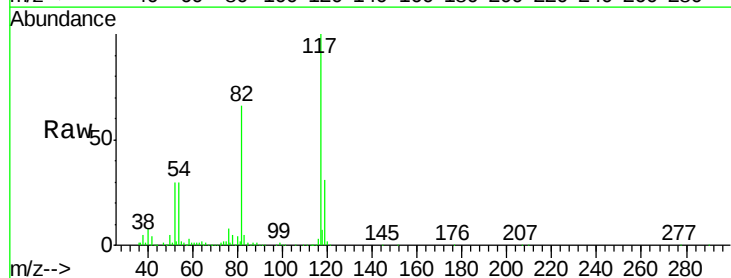


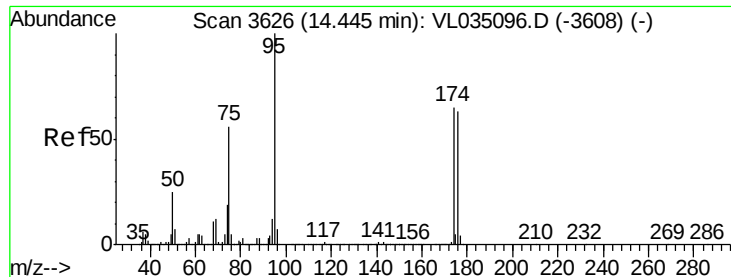
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035151.D
Acq: 6 Jul 2020 18:31

Tgt Ion	Ion	Ratio	Lower	Upper
117	117	100		
82	82	68.7	50.4	75.6
119	119	33.1	25.4	38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.136 ppbv
 RT: 14.44 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL035151.D
 Acq: 6 Jul 2020 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-02DL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	65.1	52.2	78.2	
175	4.7	4.0	6.0	

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