

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071620\
 Data File : VL035201.D
 Acq On : 16 Jul 2020 19:46
 Operator : SY/AP
 Sample : L3318-03 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-03

Quant Time: Jul 17 04:10:22 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 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	5.64	49	1073007	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2561425	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2360613	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1924379	10.03	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

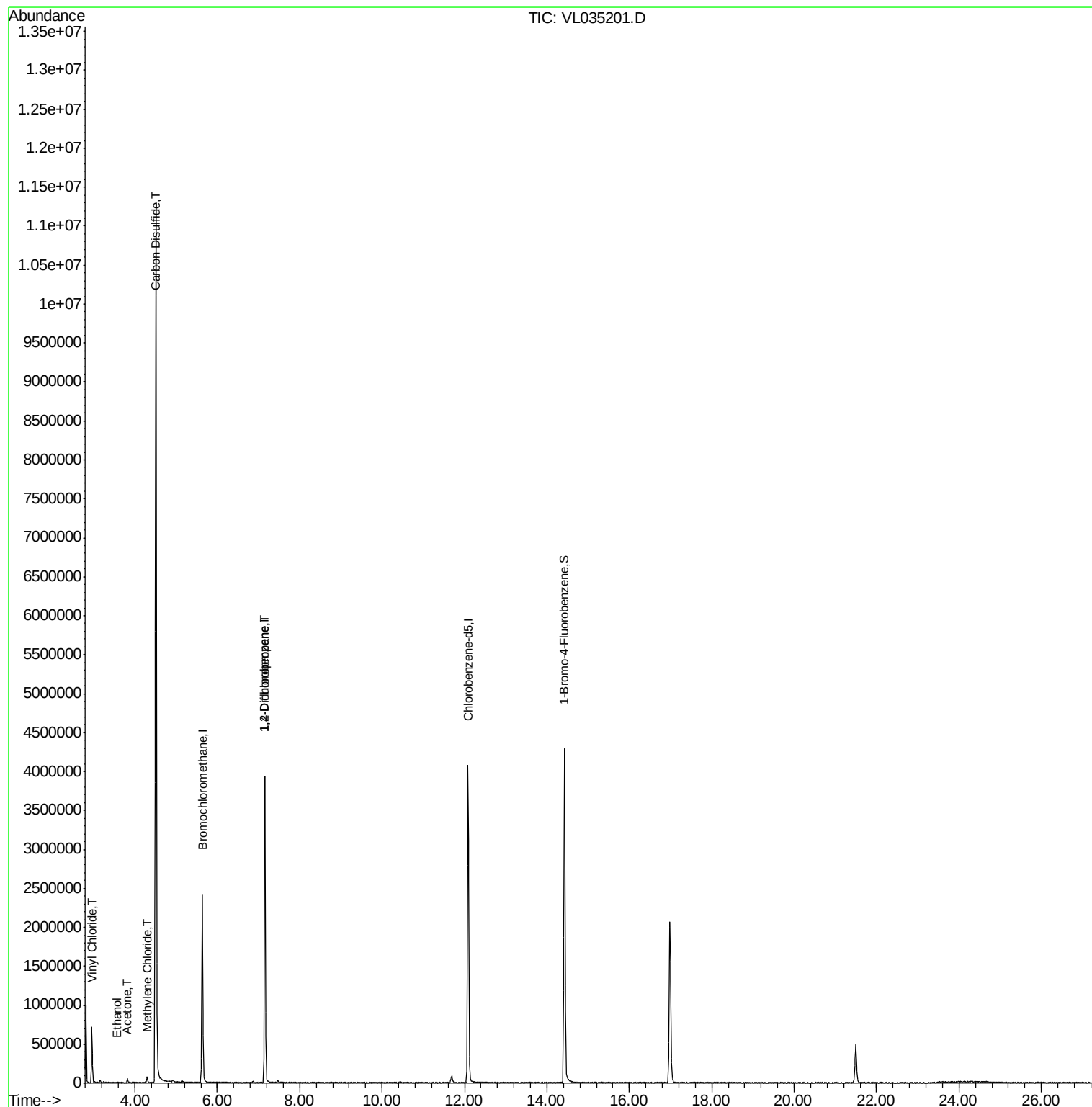
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	2.95	62	38258	0.536	ppbv #	49
13) Ethanol	3.56	45	1408	0.099	ppbv #	35
15) Acetone	3.82	43	38001	0.262	ppbv #	71
20) Methylene Chloride	4.30	84	10467	0.166	ppbv #	88
27) Carbon Disulfide	4.51	76	13036660	93.925	ppbv #	67
39) 1,2-Dichloropropane	7.15	63	690857	9.371	ppbv #	24

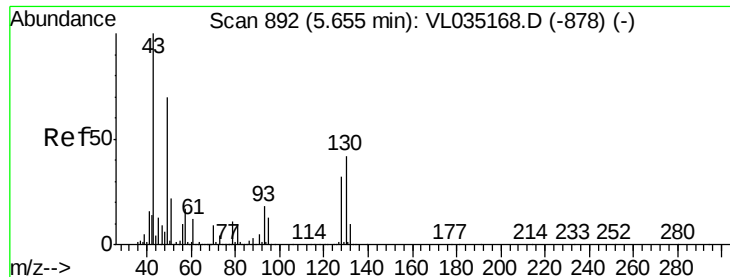
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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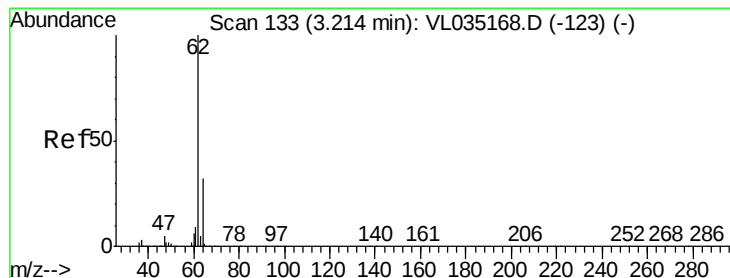
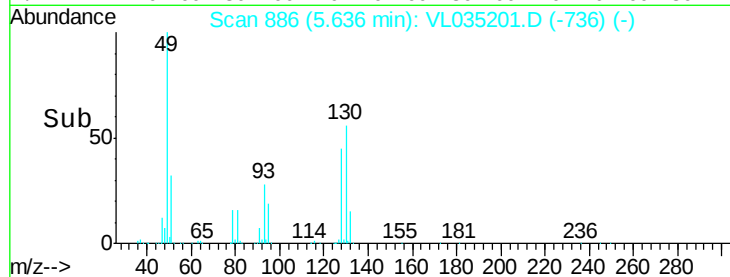
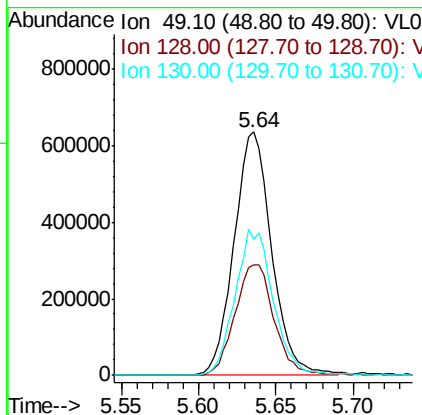
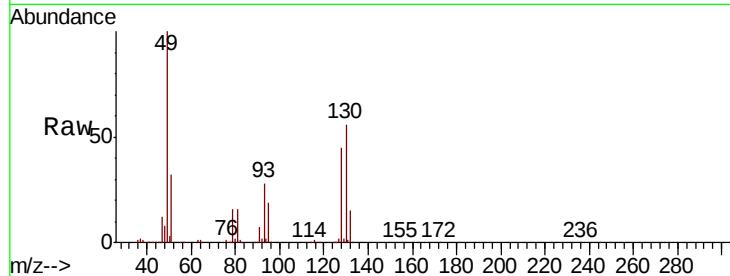


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: VL035201.D
 Acq: 16 Jul 2020 19:46

Instrument :
 MSVOA_L
 ClientSampleId :
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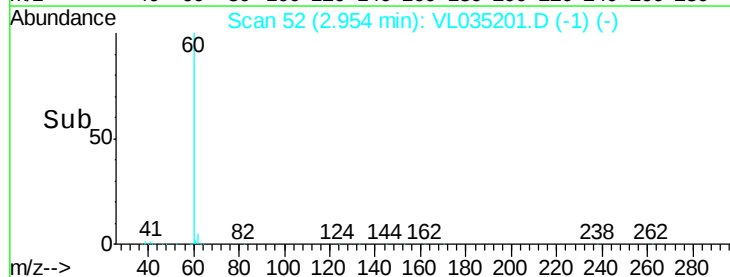
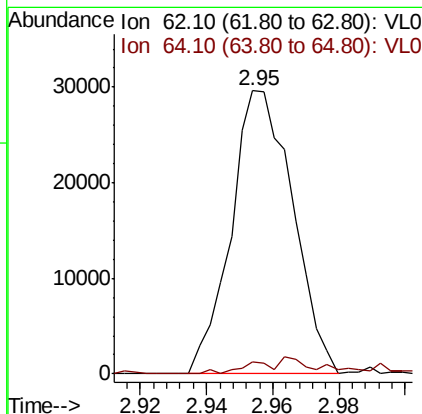
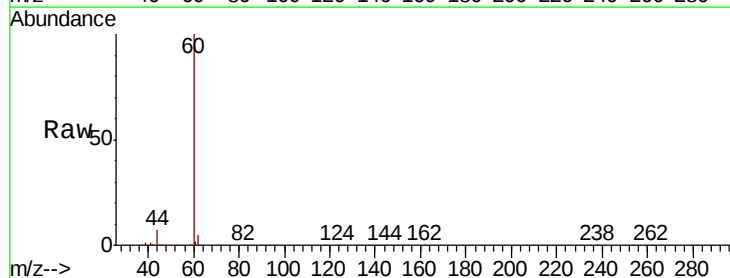
Tot Ion: 49 Resp: 1073007
 Ion Ratio Lower Upper
 49 100
 128 47.8 23.8 71.4
 130 61.5 29.9 89.8

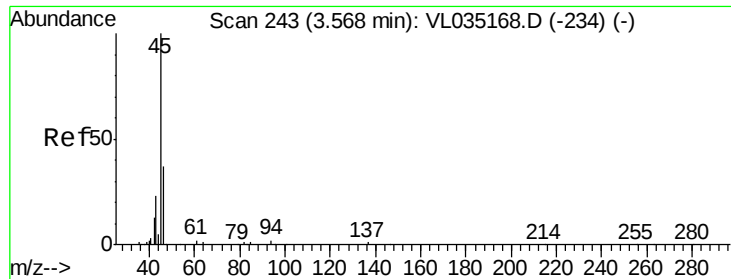


#5

Vinyl Chloride
 Concen: 0.536 ppbv
 RT: 2.95 min Scan# 52
 Delta R.T. -0.26 min
 Lab File: VL035201.D
 Acq: 16 Jul 2020 19:46

Tgt Ion: 62 Resp: 38258
 Ion Ratio Lower Upper
 62 100
 64 4.1 25.9 38.9#

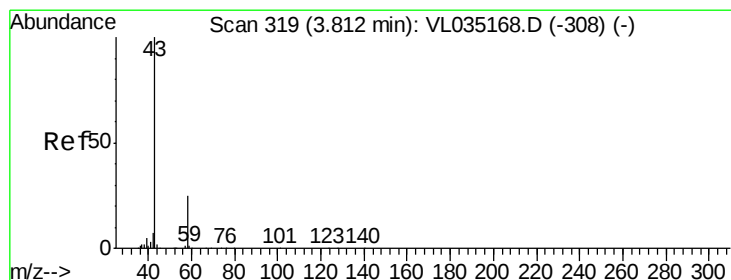
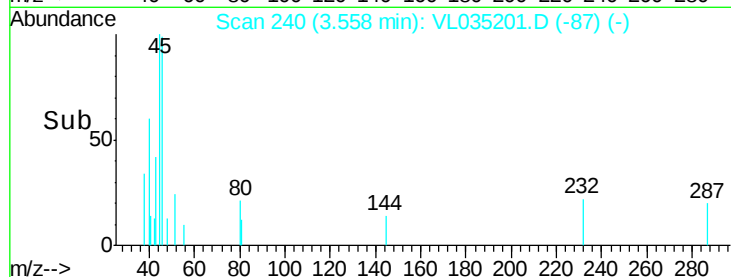
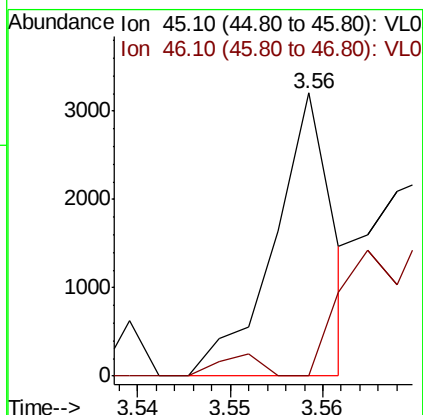
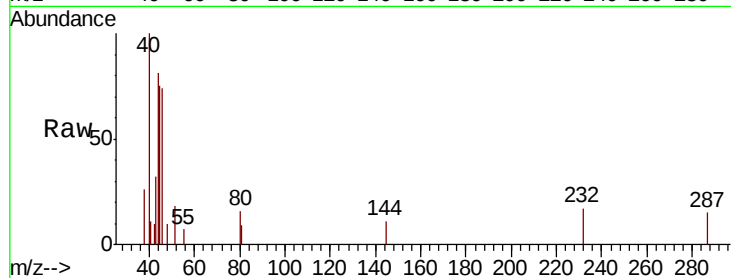




#13
Ethanol
Concen: 0.099 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

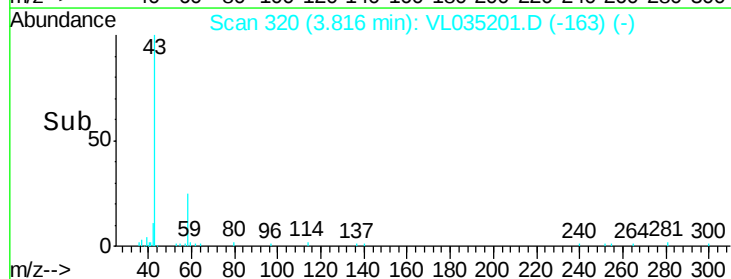
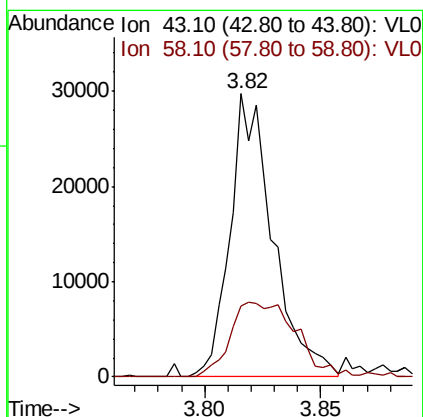
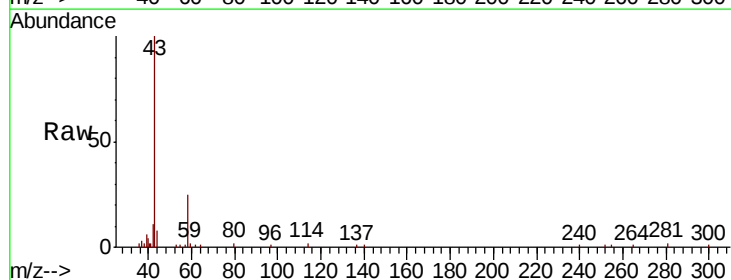
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-03

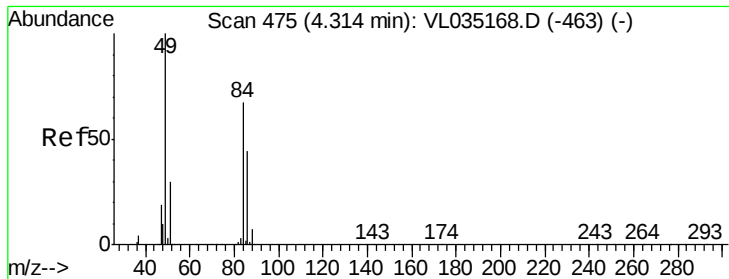
Tot Ion: 45 Resp: 1408
Ion Ratio Lower Upper
45 100
46 0.0 16.2 65.0#



#15
Acetone
Concen: 0.262 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.00 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

Tgt Ion: 43 Resp: 38001
Ion Ratio Lower Upper
43 100
58 41.6 21.3 31.9#

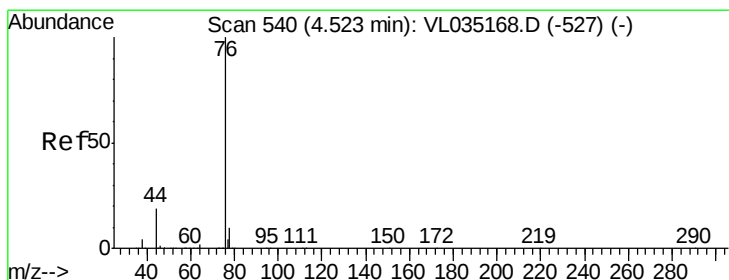
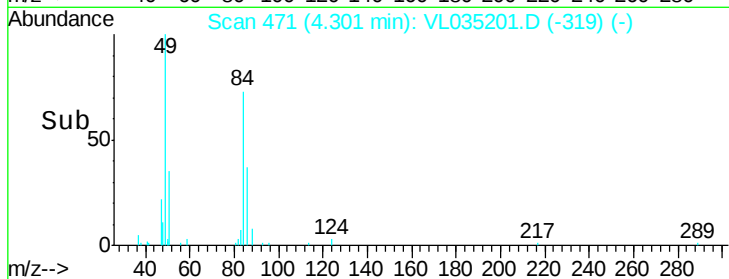
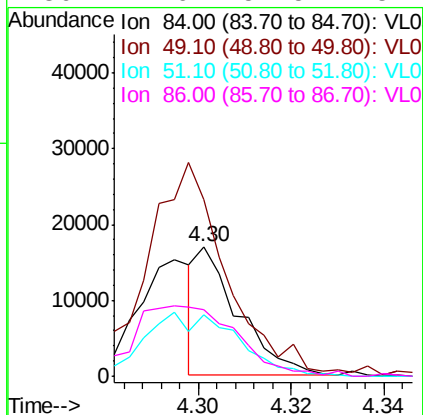
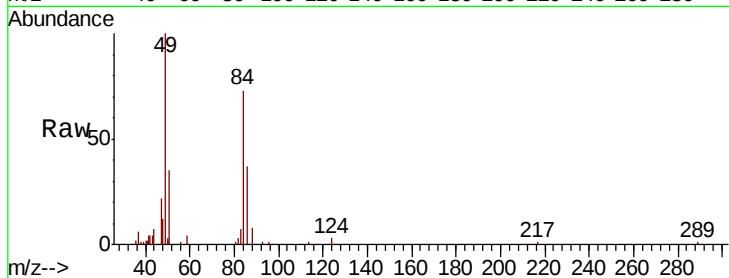




#20
Methvlene Chloride
Concen: 0.166 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.01 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

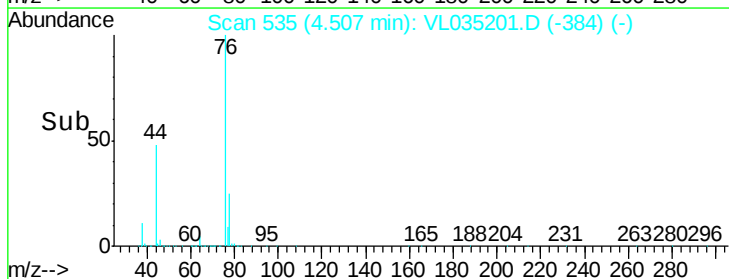
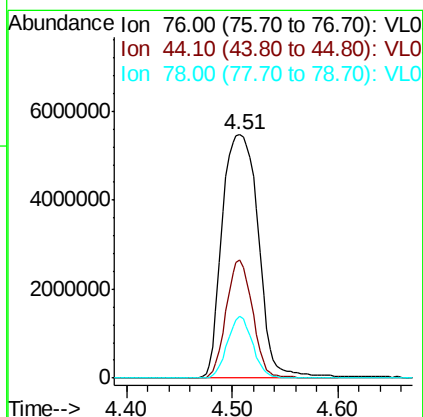
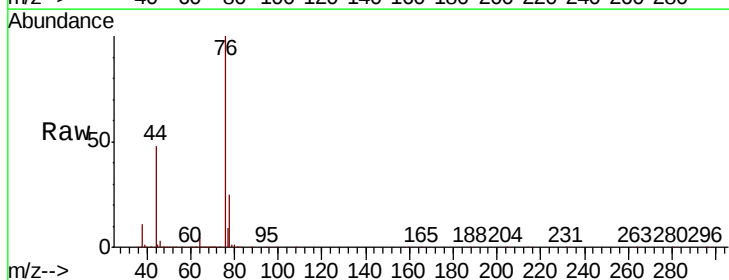
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-03

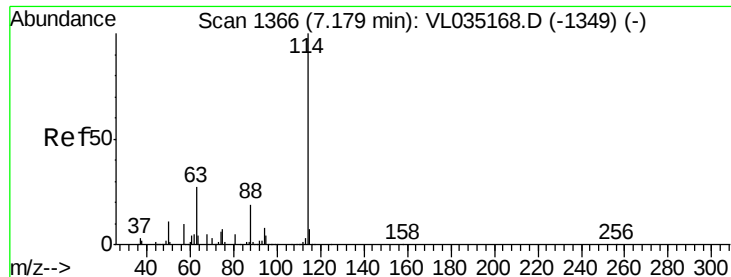
Tot Ion: 84 Resp: 10467
Ion Ratio Lower Upper
84 100
49 136.1 119.4 179.0
51 46.7 36.6 55.0
86 47.6 52.5 78.7#



#27
Carbon Disulfide
Concen: 93.925 ppbv
RT: 4.51 min Scan# 535
Delta R.T. -0.02 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

Tgt Ion: 76 Resp:13036660
Ion Ratio Lower Upper
76 100
44 35.5 14.9 22.3#
78 17.8 7.5 11.3#

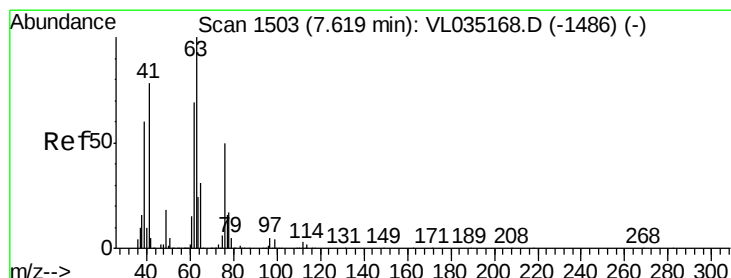
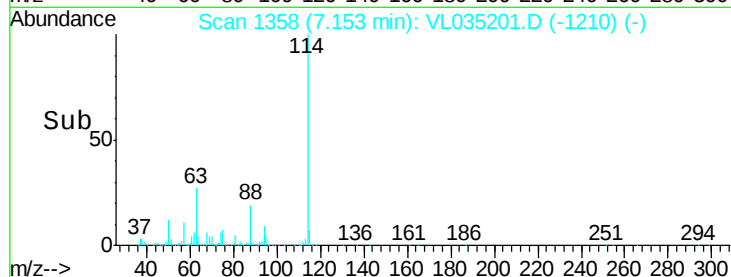
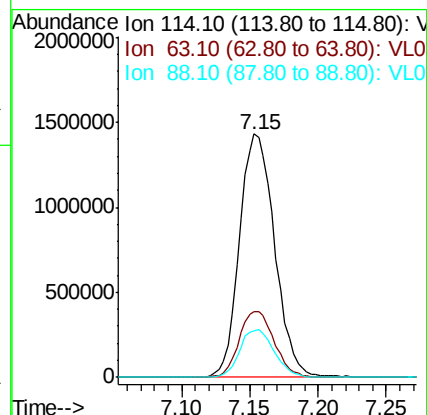
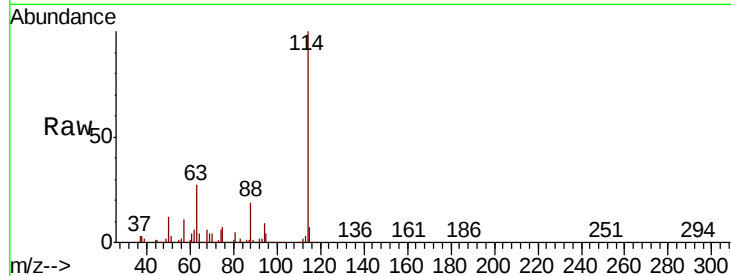




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035201.D
 Acq: 16 Jul 2020 19:46

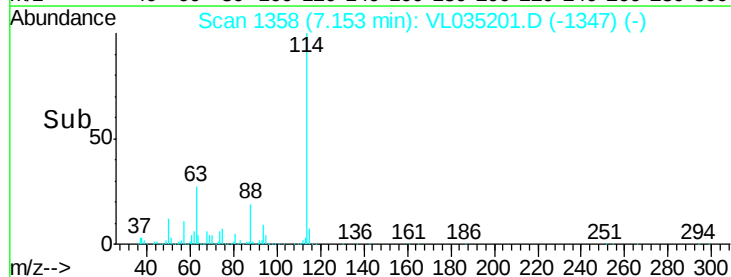
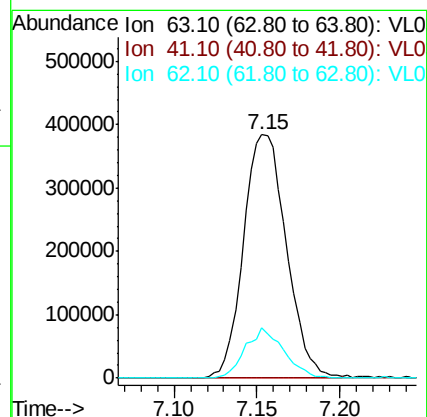
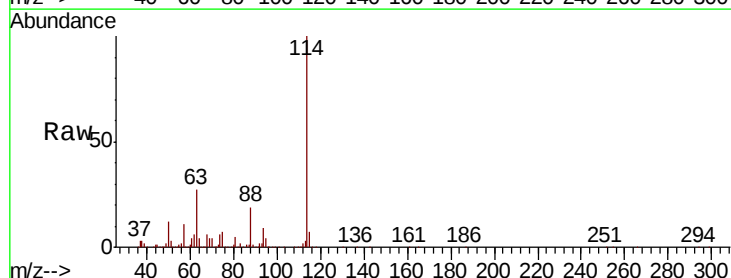
Instrument :
 MSVOA_L
 ClientSampleId :
 EXHAUST-03

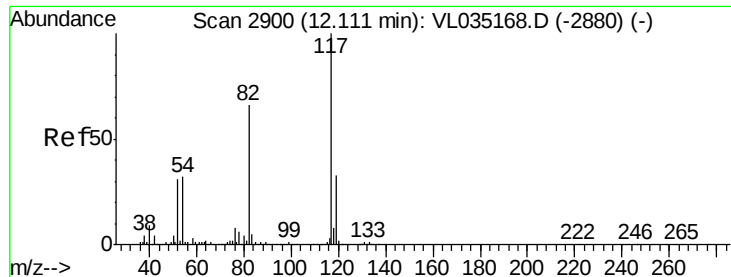
Tot Ion:114 Resp: 2561425
 Ion Ratio Lower Upper
 114 100
 63 27.2 22.0 33.0
 88 19.4 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 9.371 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL035201.D
 Acq: 16 Jul 2020 19:46

Tgt Ion: 63 Resp: 690857
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 94.0#
 62 20.5 55.0 82.6#

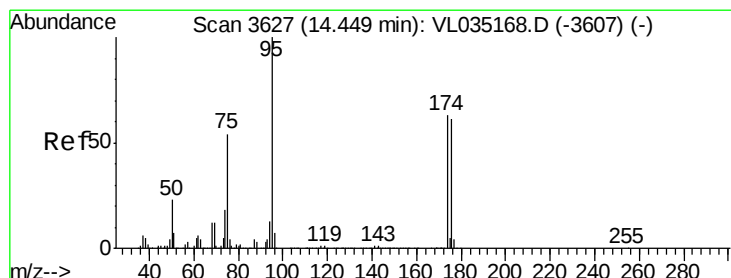
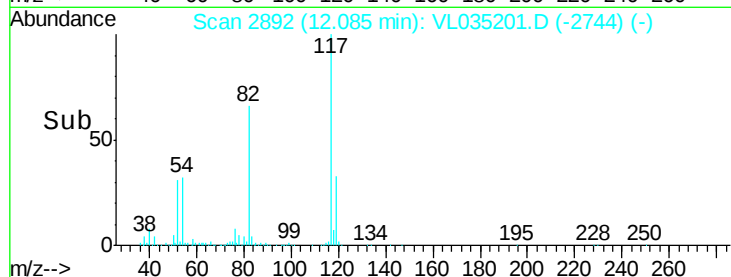
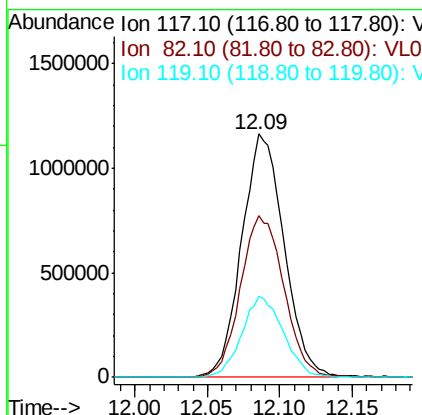
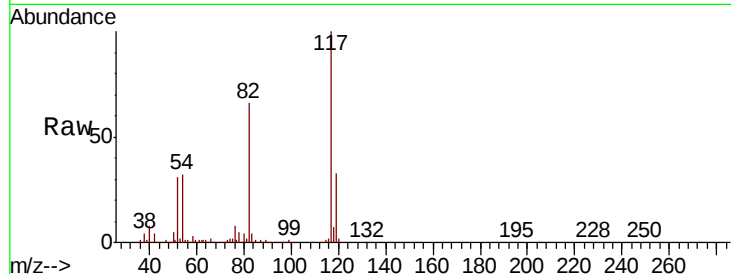




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.03 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-03

Tot Ion:117 Resp: 2360613
Ion Ratio Lower Upper
117 100
82 68.4 52.3 78.5
119 32.9 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.035 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035201.D
Acq: 16 Jul 2020 19:46

Tgt Ion: 95 Resp: 1924379
Ion Ratio Lower Upper
95 100
174 65.9 52.2 78.2
175 4.8 4.0 6.0

