Quantitation Report (Not Reviewed)

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

Instrument : MSVOA_L
ClientSampleId : EXHAUST-02DLDUP

Quant Time: Jul 08 13:19:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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						Qvalue
2) Dichlorodifluoromethane	3.01	85	9822	0.054	ppbv #	79
3) Chlorodifluoromethane	2.92	51	136486	0.954	ppbv #	57
4) Chloromethane	3.09	50	3920	0.049	ppbv #	64
5) Vinyl Chloride	2.97	62	294869	3.423	ppbv #	47
9) Propene	2.96	41	46562	0.861	ppbv #	41
13) Ethanol	3.57	45	44777	2.602	ppbv #	34
15) Acetone	3.82	43	1072451	6.118	ppbv	93
16) 1,3-Butadiene	3.26	39	76519	1.137	ppbv #	12
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
23) Vinyl Acetate	5.05	43	38184	0.201	ppbv #	84
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
39) 1,2-Dichloropropane	7.17	63	825561	9.450	ppbv #	22
41) Tetrahydrofuran	5.67	42	87085	1.074	ppbv #	36
53) Toluene	9.82	91	22935	0.099	ppbv #	20

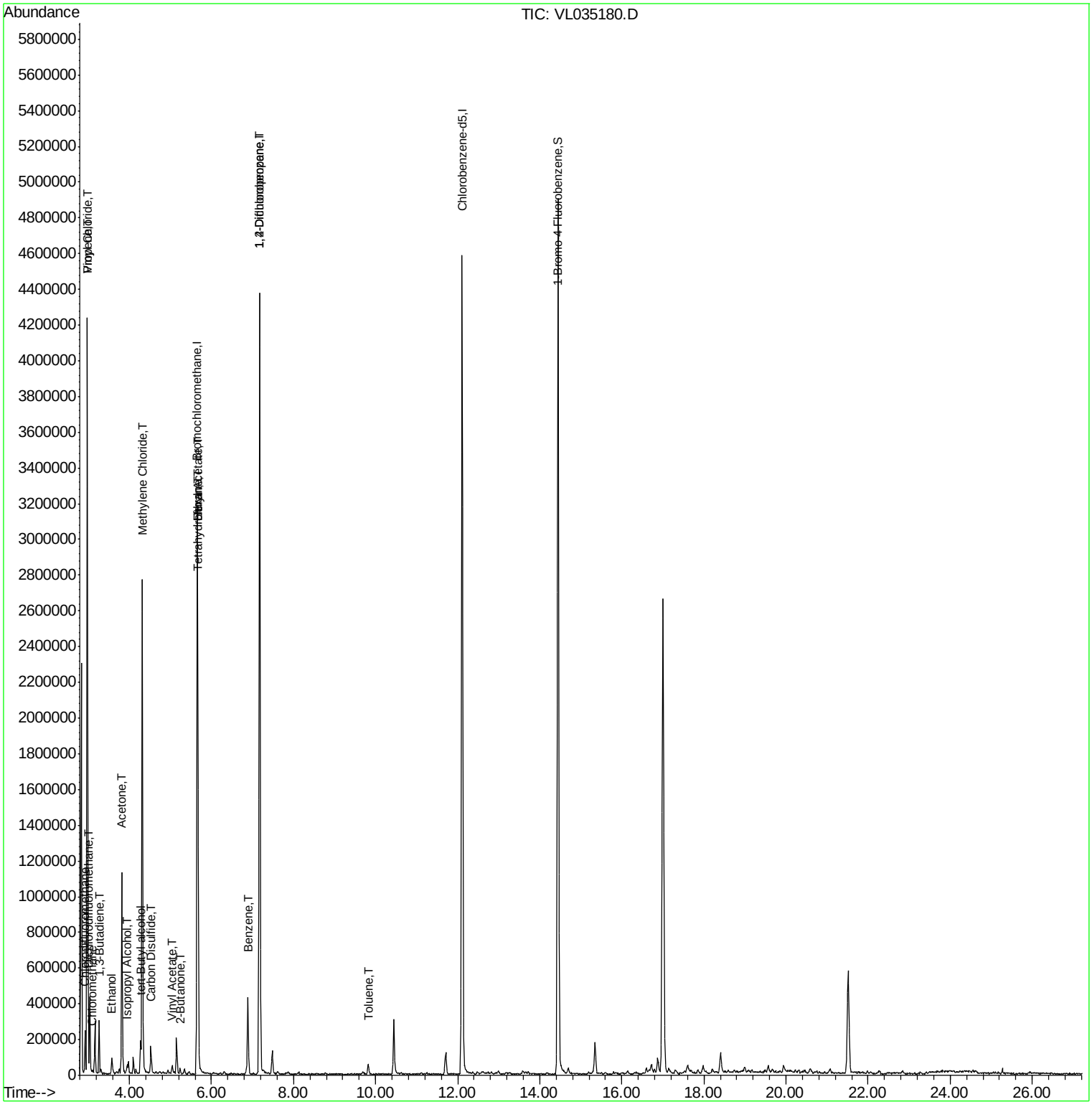
(#) = qualifier out of range (m) = manual integration (+) = signals summed

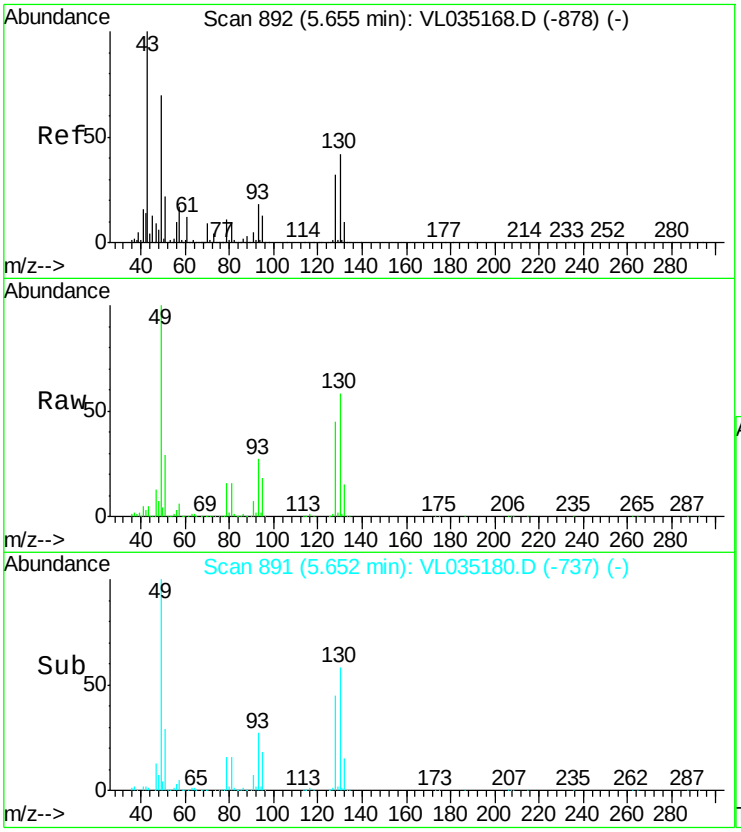
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Quant Time: Jul 08 13:19:01 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration



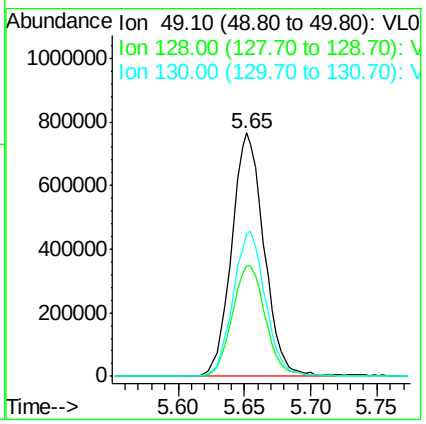


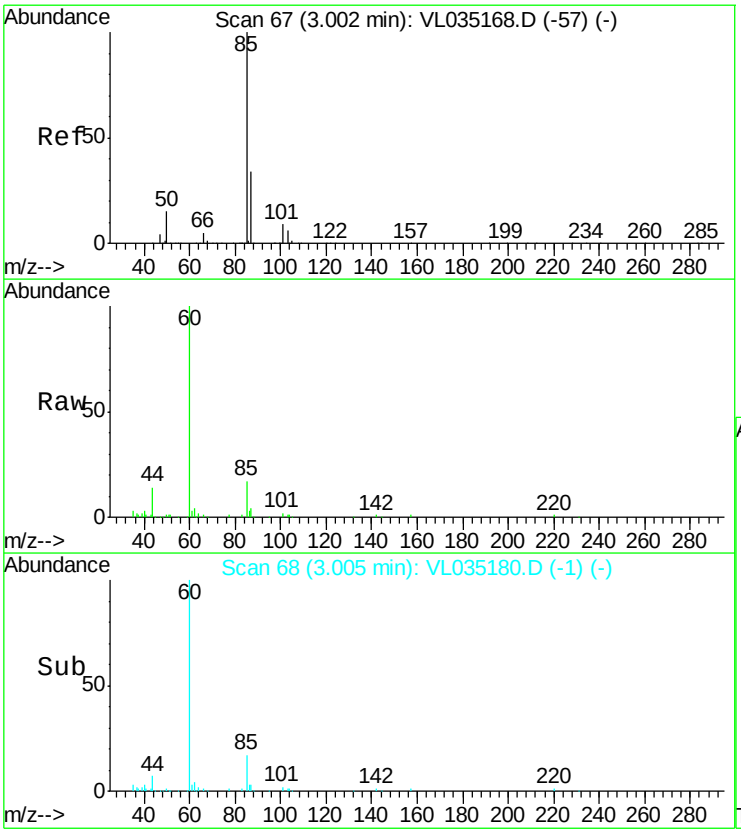
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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

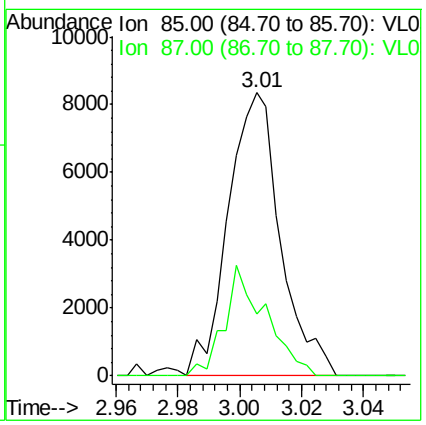


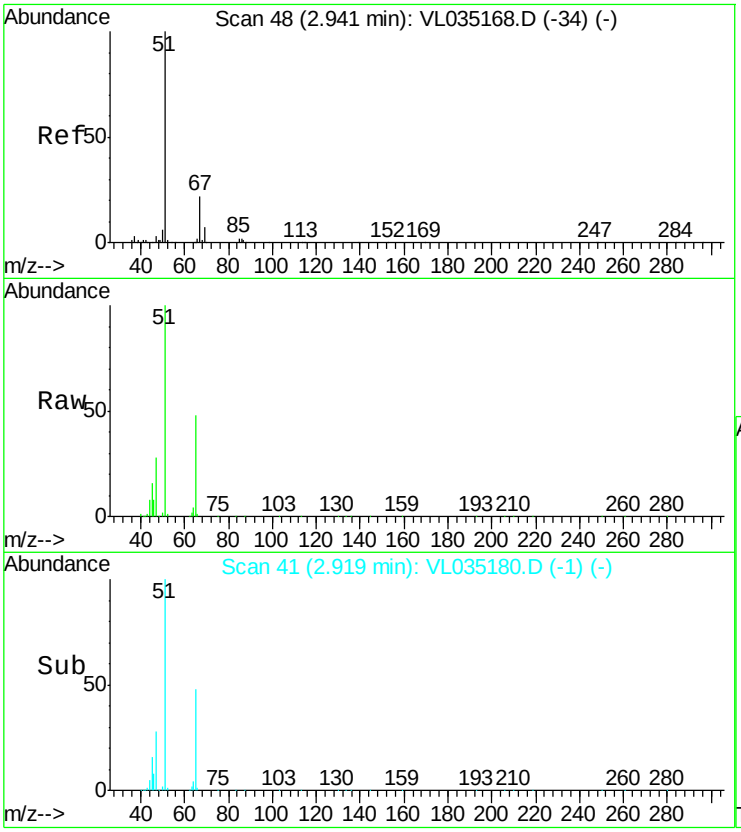


#2
Dichlorodifluoromethane
Concen: 0.054 ppbv
RT: 3.01 min Scan# 68
Delta R.T. 0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 85 Resp: 9822

Ion	Ratio	Lower	Upper
85	100		
87	21.7	27.0	40.6#



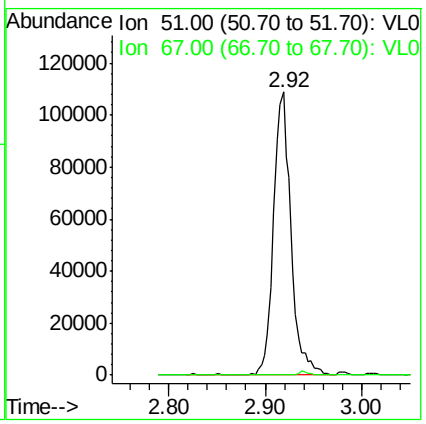


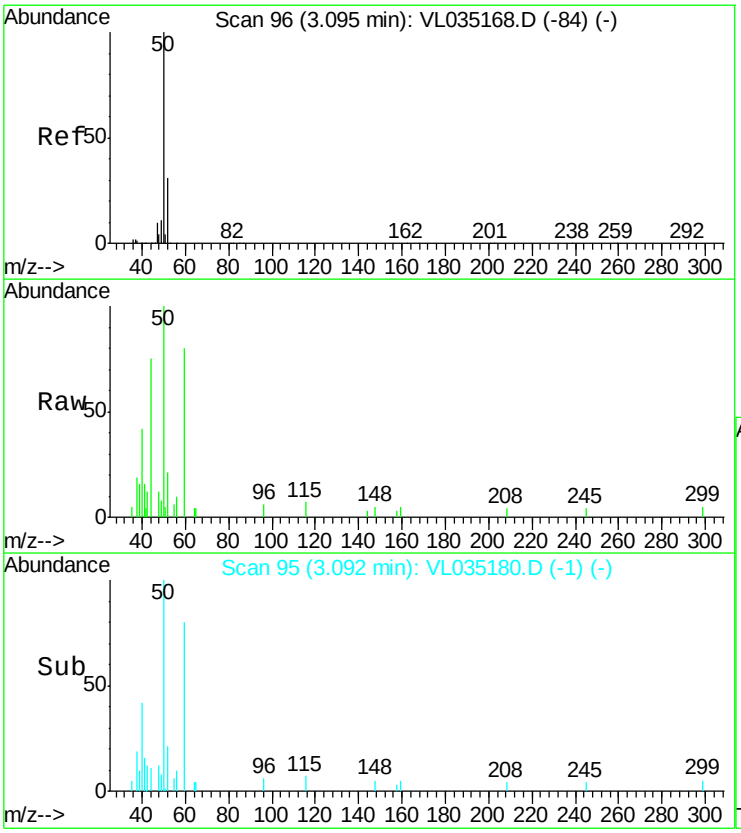
#3
Chlorodifluoromethane
Concen: 0.954 ppbv
RT: 2.92 min Scan# 41
Delta R.T. -0.02 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument : MSVOA_L
ClientSampleId : EXHAUST-02DLDUP

Tgt Ion: 51 Resp: 136486

Ion	Ratio	Lower	Upper
51	100		
67	0.8	16.6	24.8#

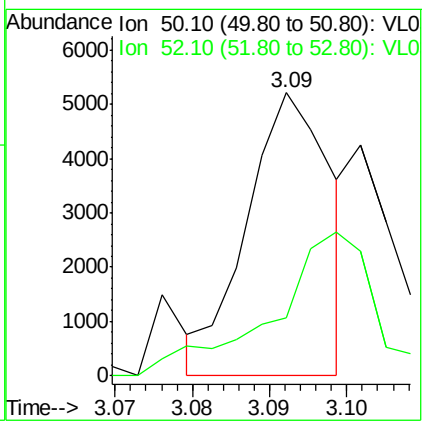


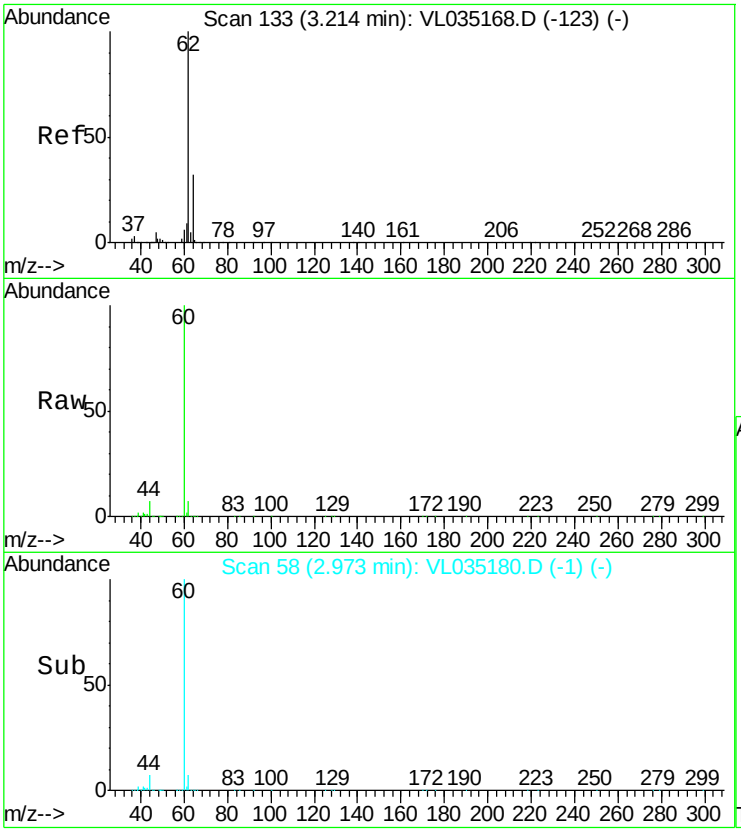


#4
Chloromethane
Concen: 0.049 ppbv
RT: 3.09 min Scan# 95
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 50 Resp: 3920

Ion	Ratio	Lower	Upper
50	100		
52	11.5	25.0	37.6#



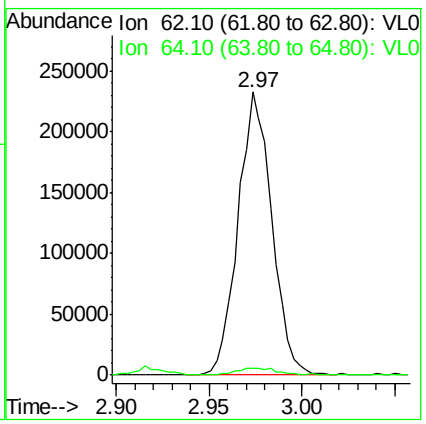


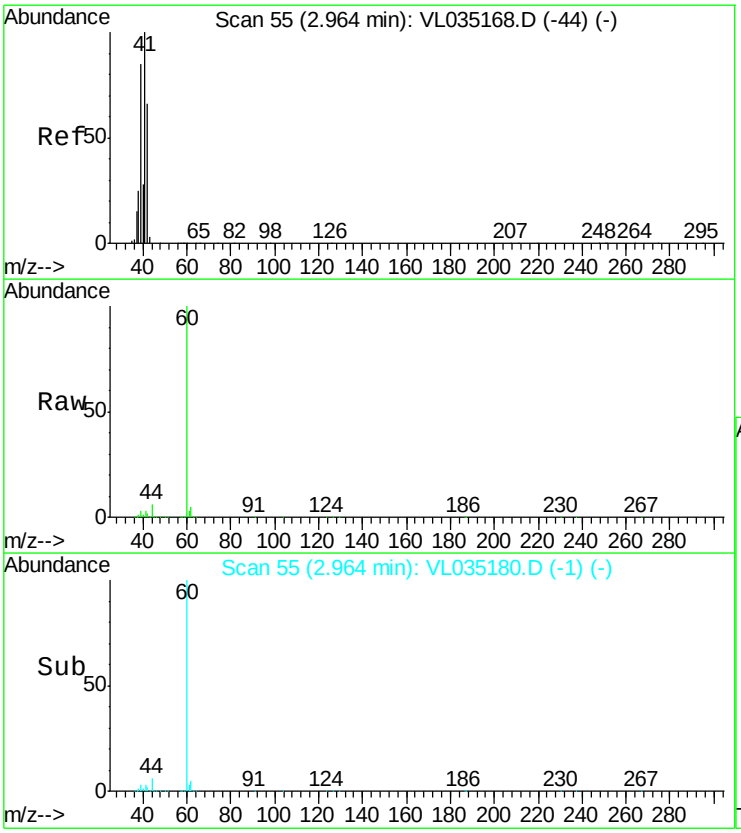
#5
Vinyl Chloride
Concen: 3.423 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.24 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 62 Resp: 294869

Ion	Ratio	Lower	Upper
62	100		
64	2.5	25.9	38.9#

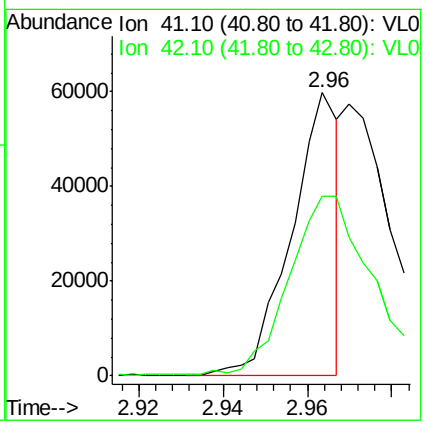


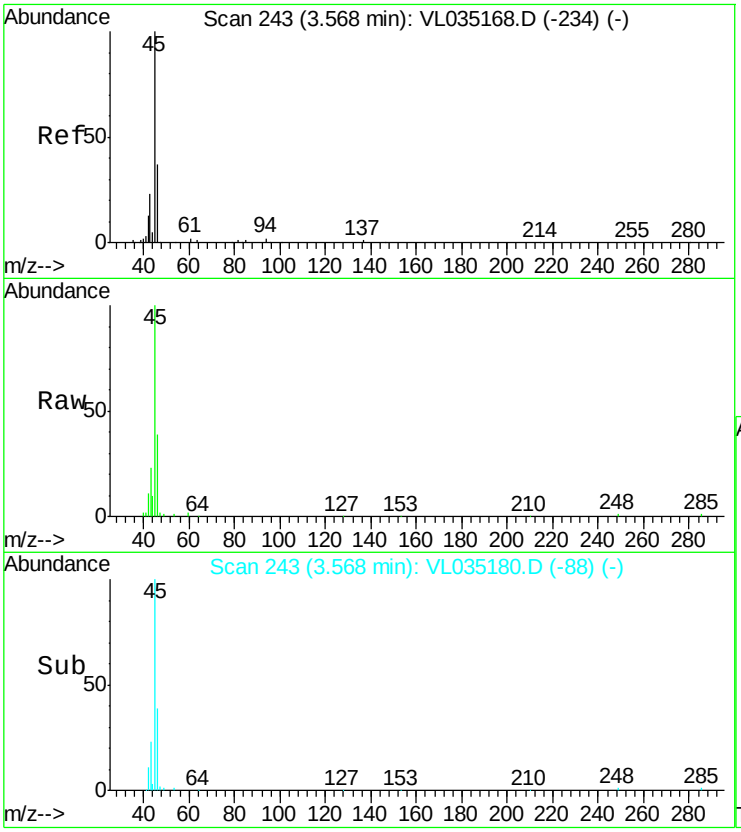


#9
Propene
Concen: 0.861 ppbv
RT: 2.96 min Scan# 55
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 41 Resp: 46562

Ion	Ratio	Lower	Upper
41	100		
42	116.1	54.6	81.8#



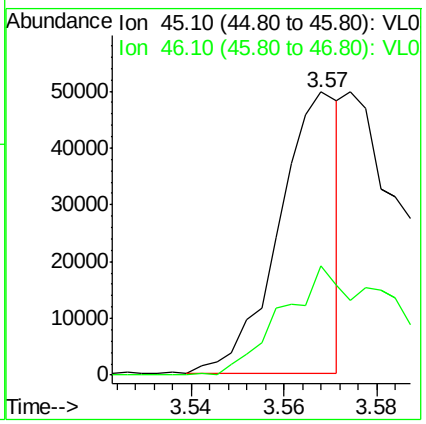


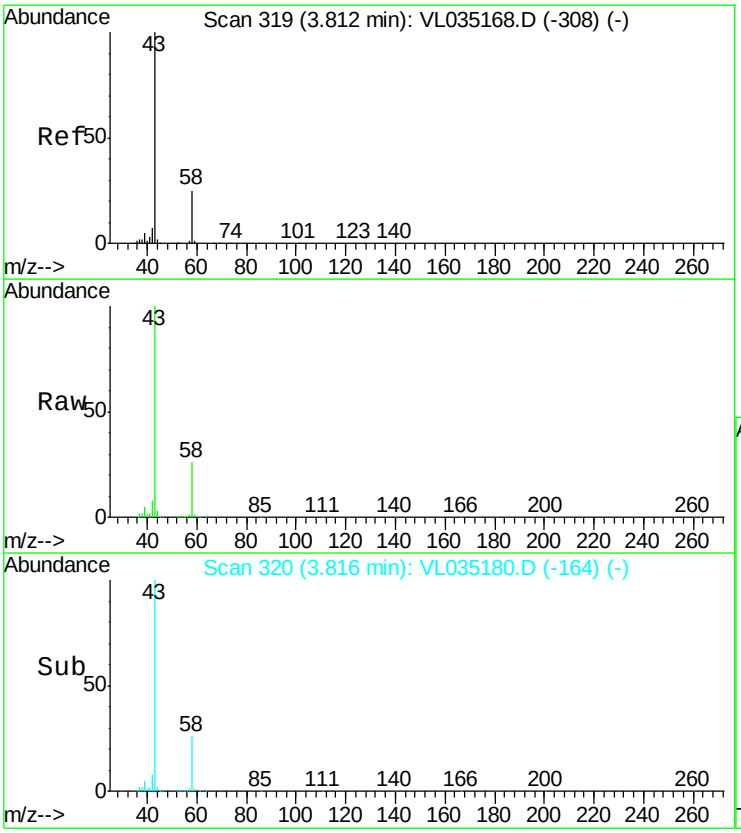
#13
Ethanol
Concen: 2.602 ppbv
RT: 3.57 min Scan# 243
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 45 Resp: 44777

Ion	Ratio	Lower	Upper
45	100		
46	81.8	16.2	65.0#

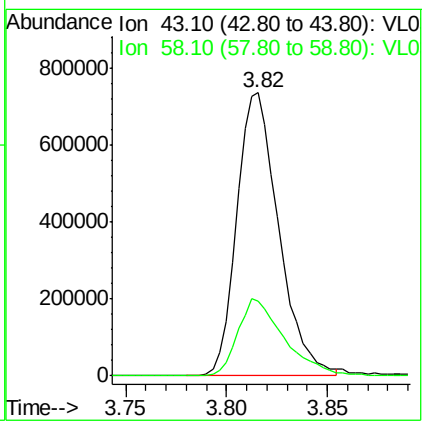


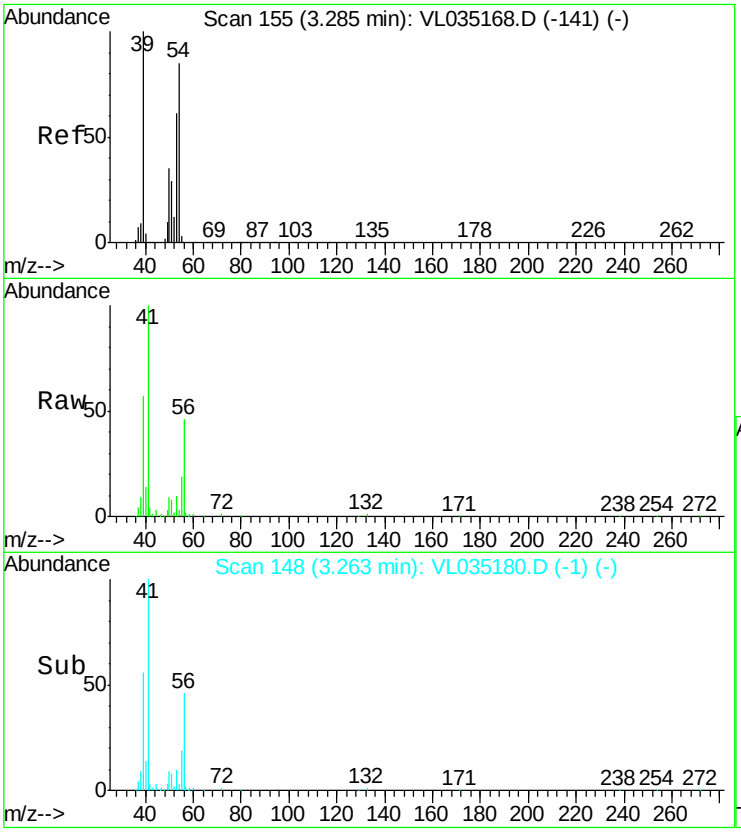


#15
Acetone
Concen: 6.118 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 43 Resp: 1072451

Ion	Ratio	Lower	Upper
43	100		
58	30.3	21.3	31.9



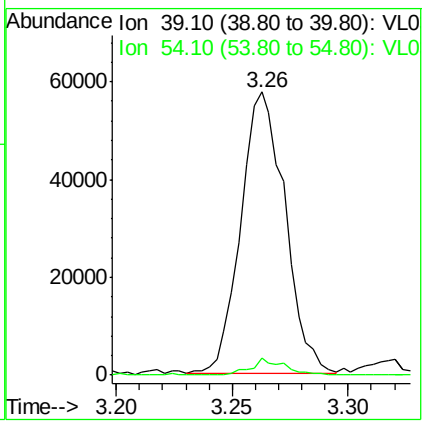


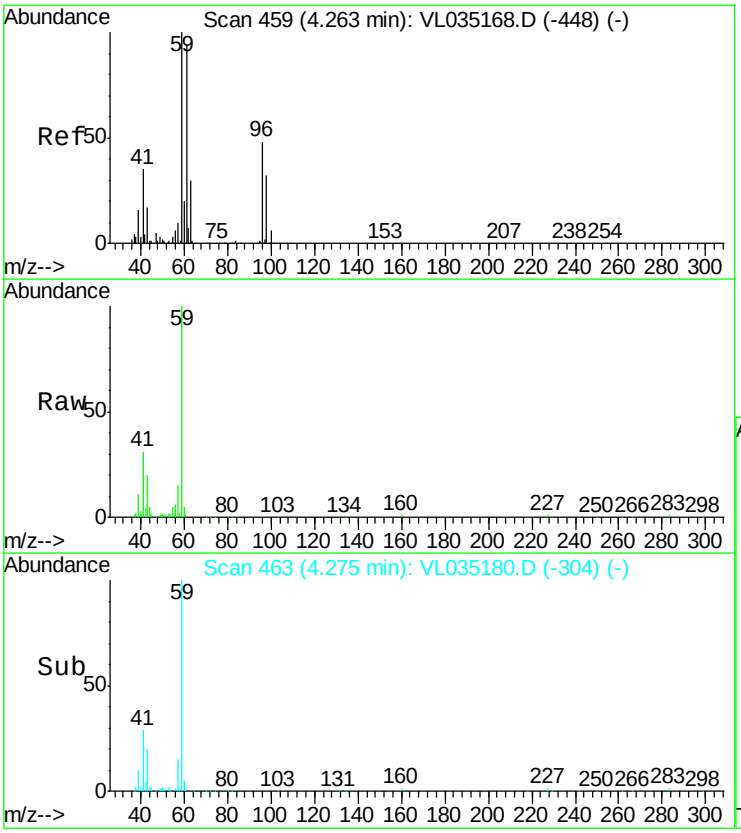
#16
1,3-Butadiene
Concen: 1.137 ppbv
RT: 3.26 min Scan# 148
Delta R.T. -0.02 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 39 Resp: 76519

Ion	Ratio	Lower	Upper
39	100		
54	4.6	67.2	100.8#

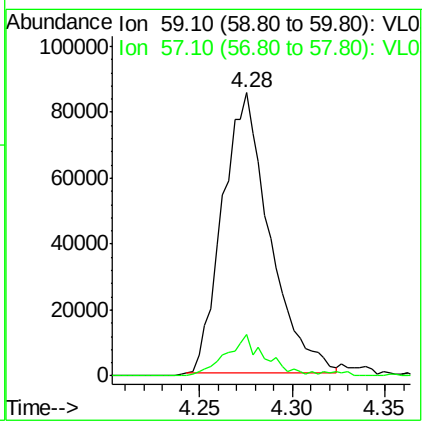


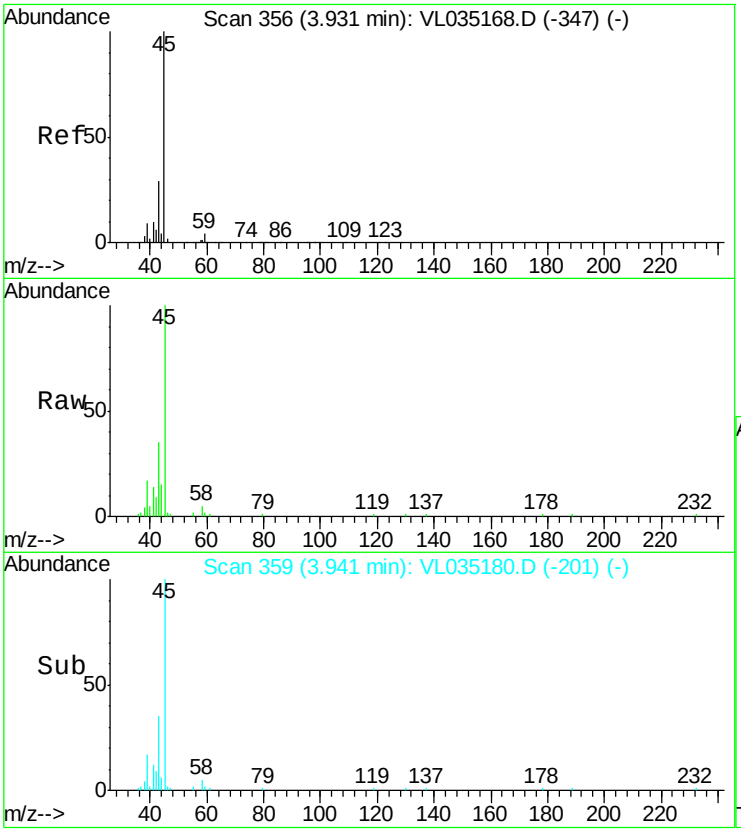


#17
tert-Butyl alcohol
Concen: 0.975 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 59 Resp: 151184

Ion	Ratio	Lower	Upper
59	100		
57	12.8	8.6	12.8



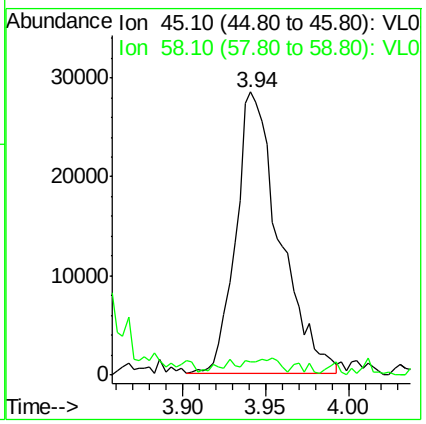


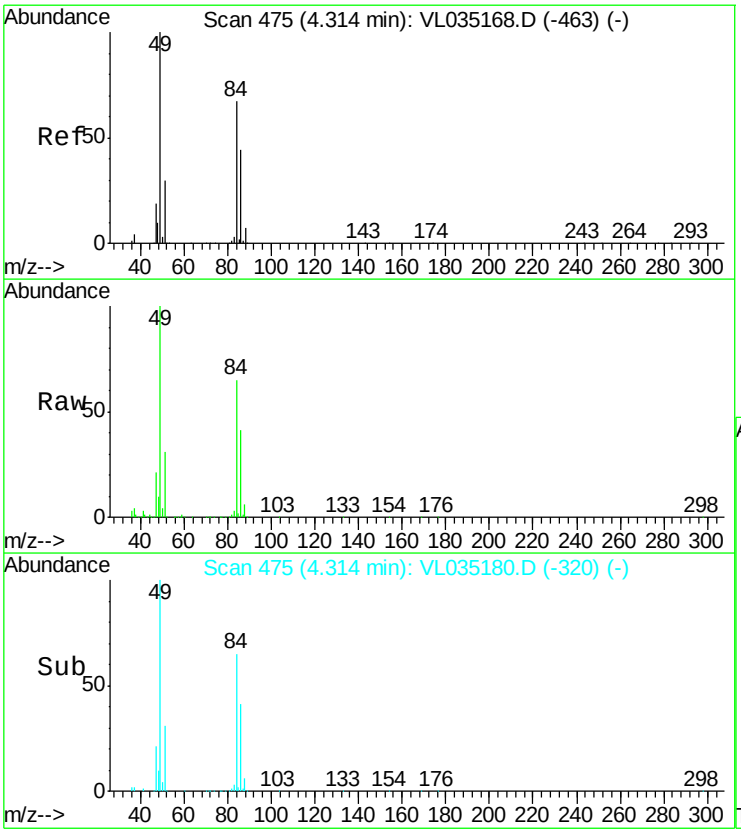
#19
Isopropyl Alcohol
Concen: 0.487 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 45 Resp: 51522

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.1	3.1#

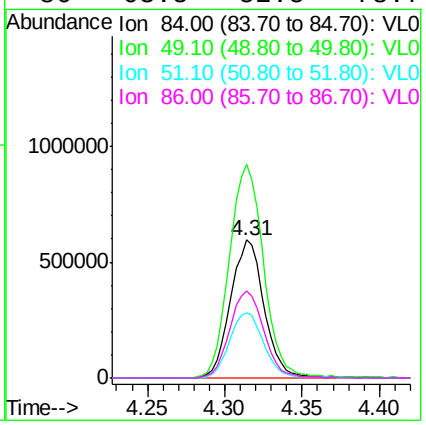


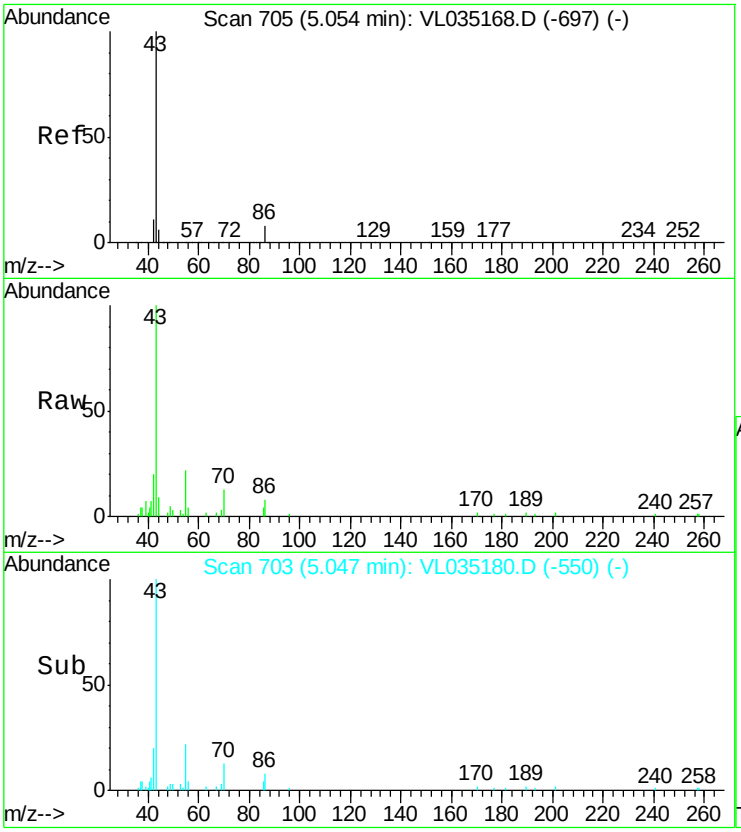


#20
Methylene Chloride
Concen: 11.729 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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



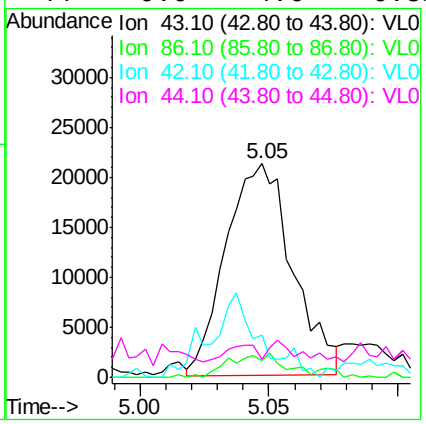


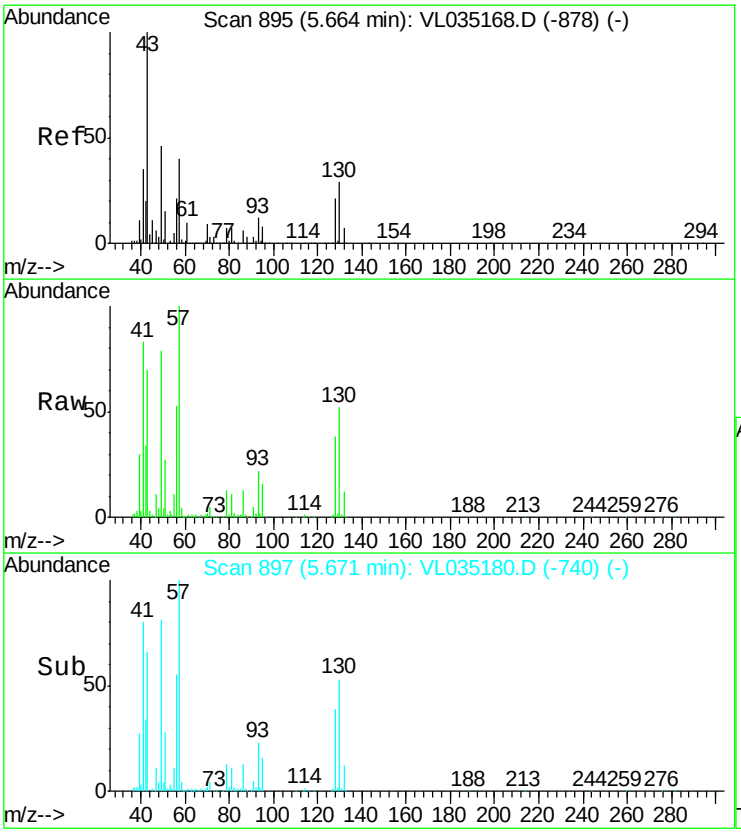
#23
Vinyl Acetate
Concen: 0.201 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 43 Resp: 38184

Ion	Ratio	Lower	Upper
43	100		
86	9.3	6.2	9.2#
42	19.9	9.1	13.7#
44	0.0	4.6	6.8#

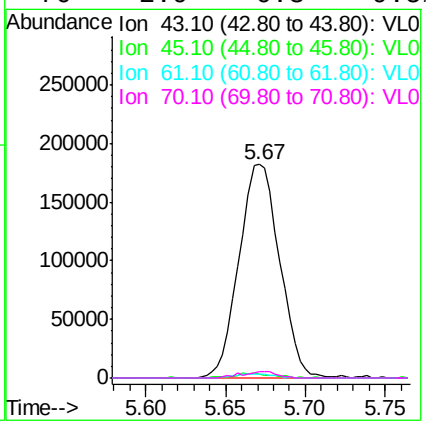


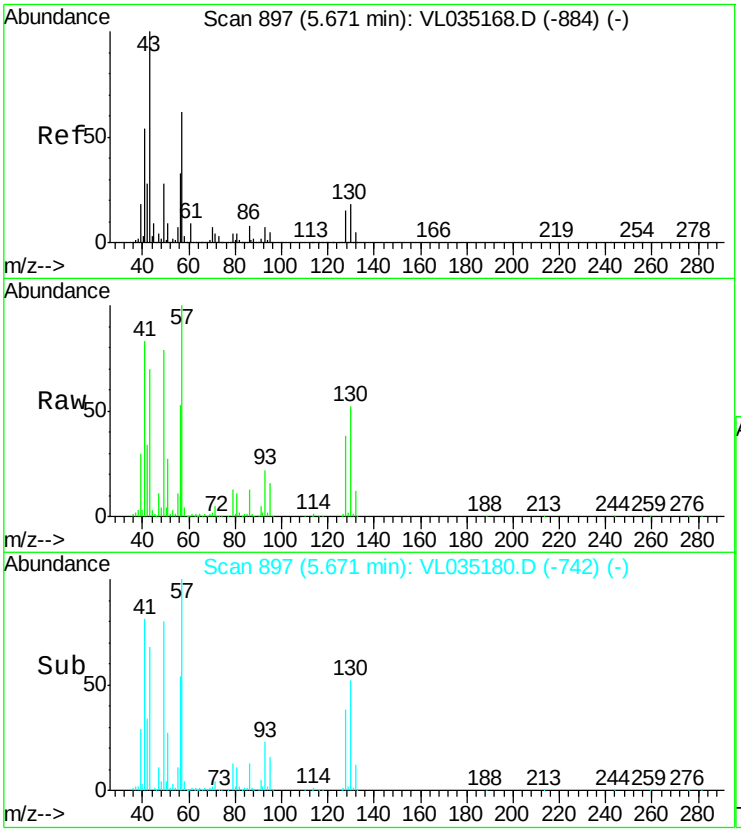


#25
Ethyl Acetate
Concen: 1.156 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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#



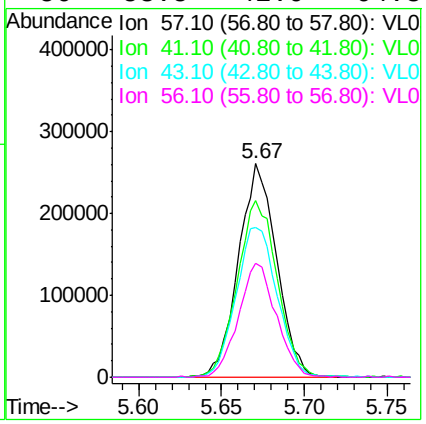


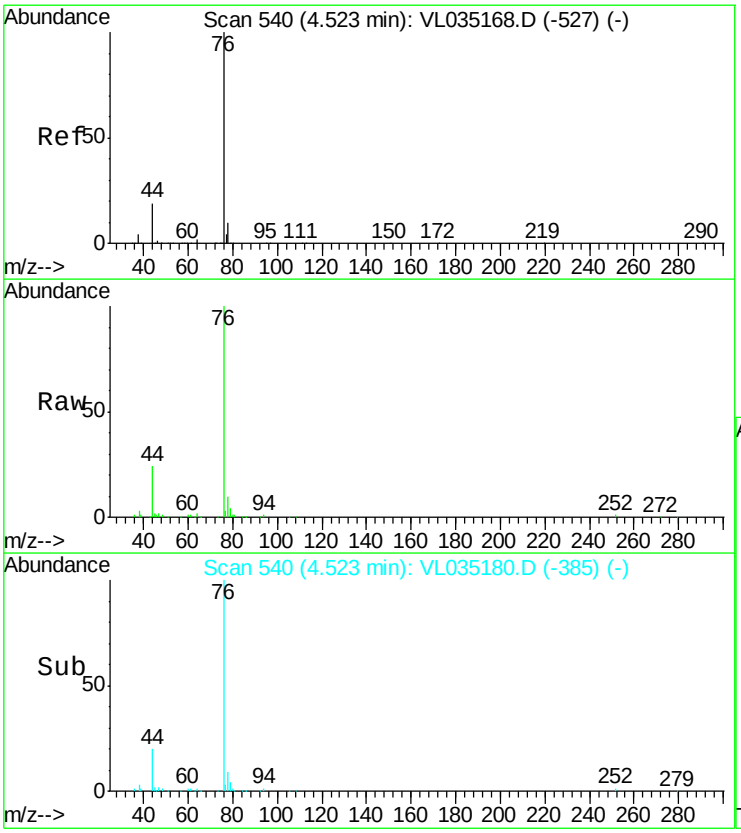
#26
Hexane
Concen: 3.467 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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

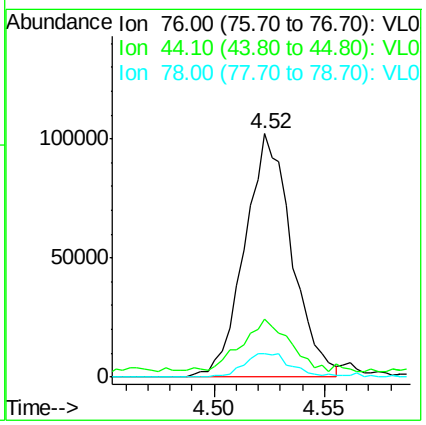


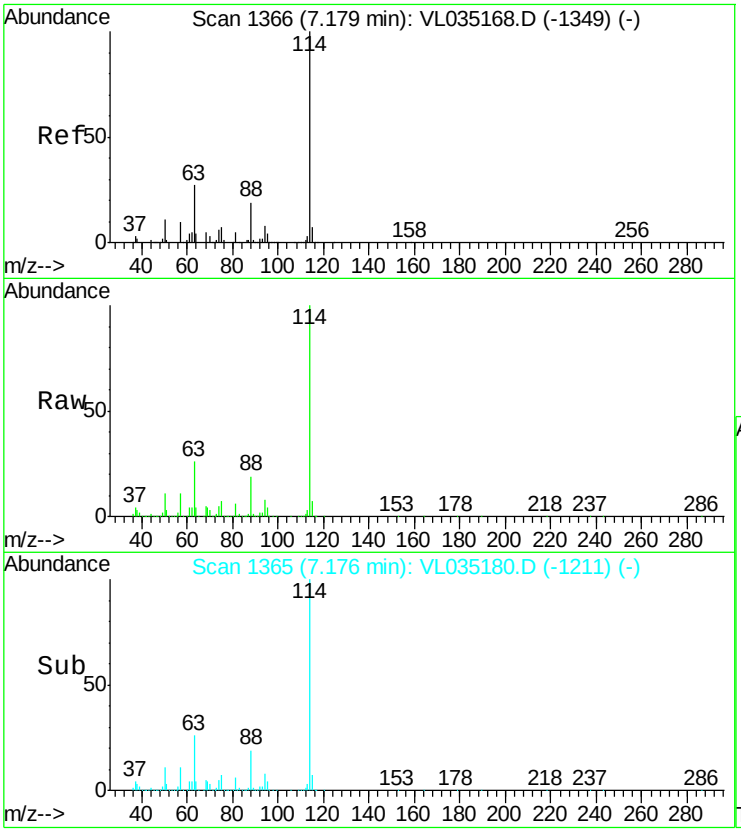


#27
Carbon Disulfide
Concen: 0.907 ppbv
RT: 4.52 min Scan# 540
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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



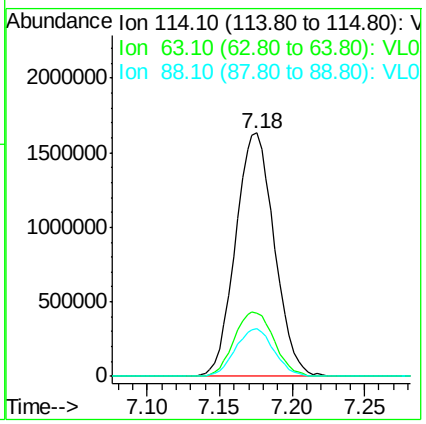


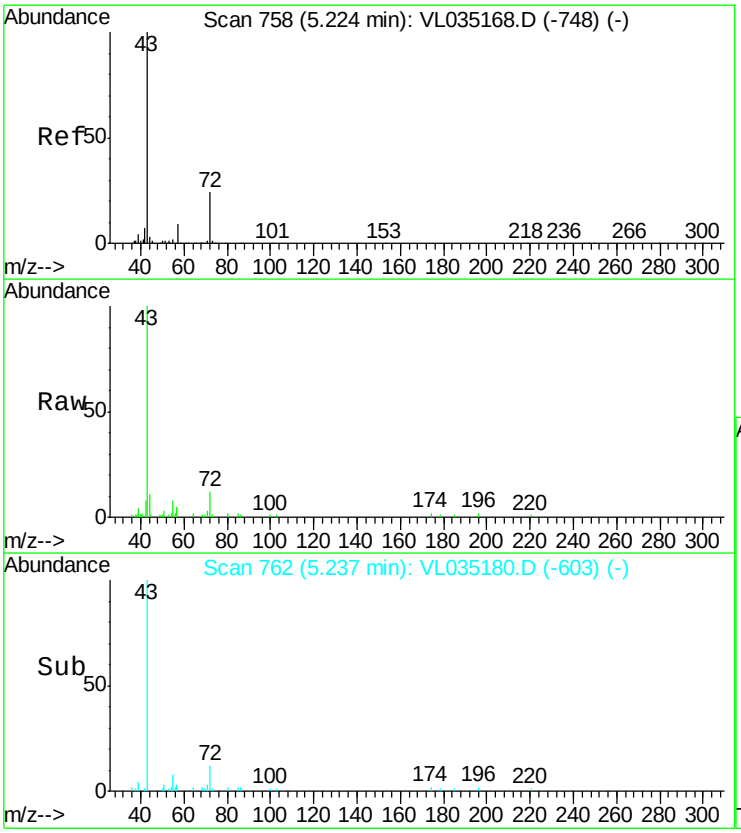
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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

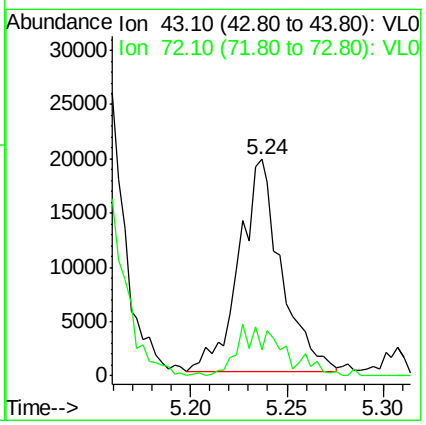


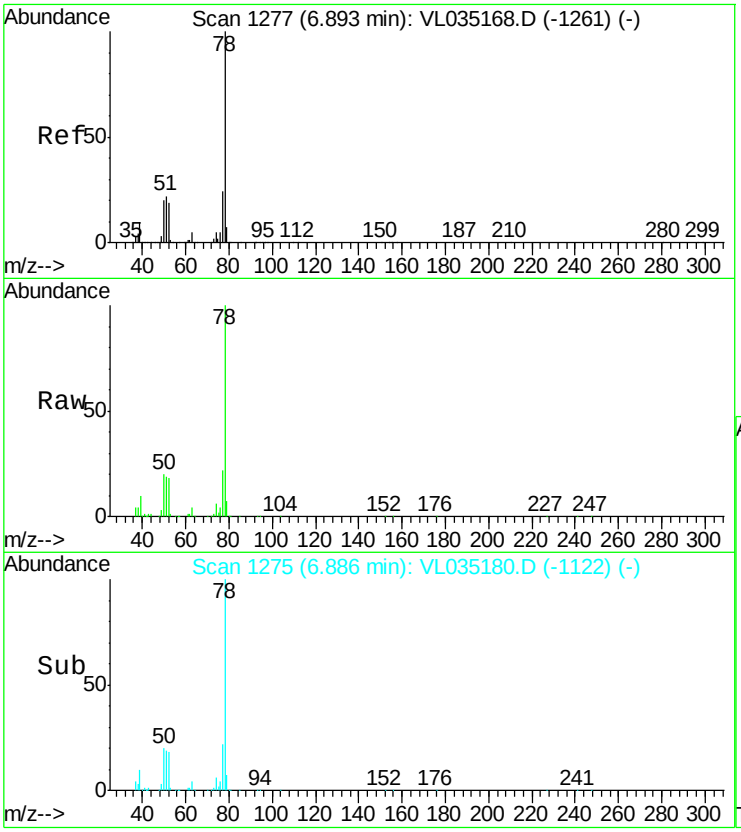


#34
2-Butanone
Concen: 0.184 ppbv
RT: 5.24 min Scan# 762
Delta R.T. 0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 43 Resp: 29877

Ion	Ratio	Lower	Upper
43	100		
72	25.7	18.6	28.0



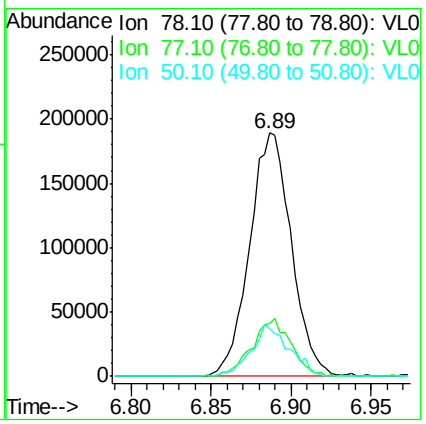


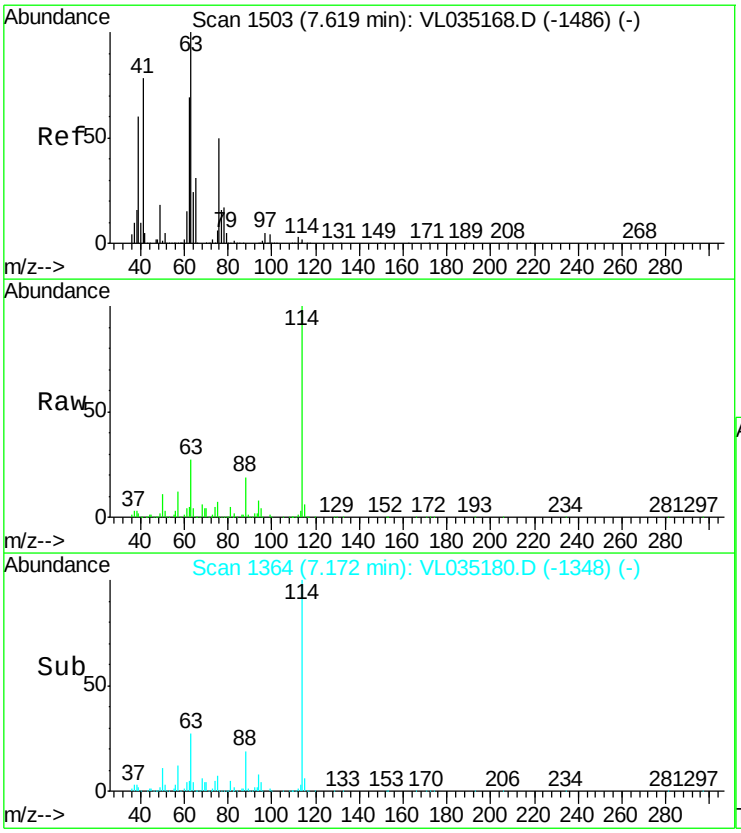
#36
Benzene
Concen: 1.542 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

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

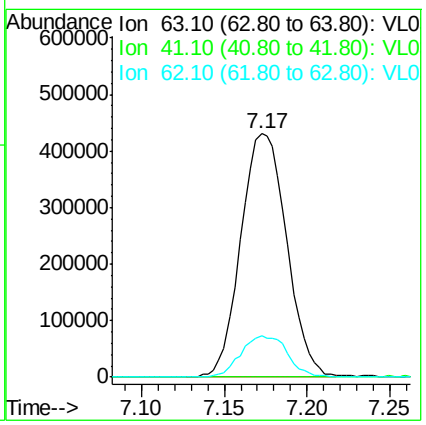


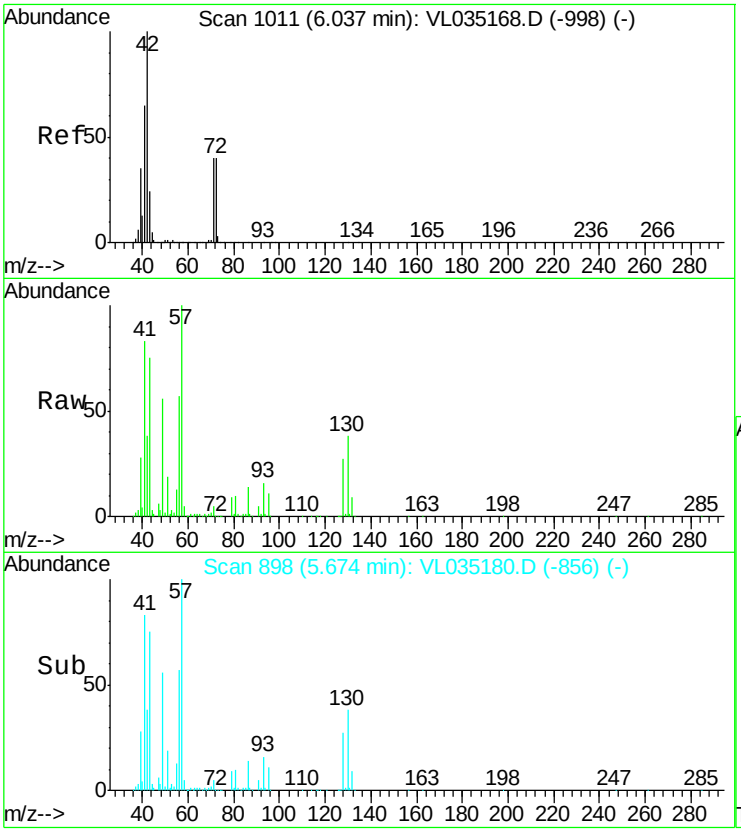


#39
1,2-Dichloropropane
Concen: 9.450 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.45 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 63 Resp: 825561

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.6	94.0#
62	17.1	55.0	82.6#



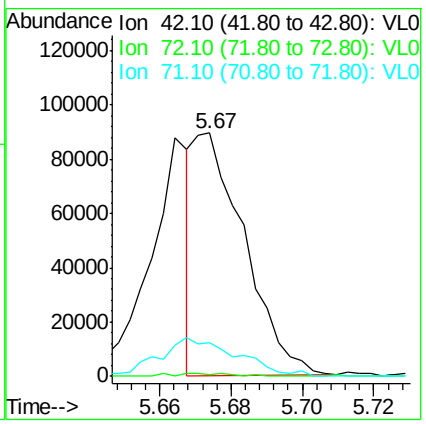


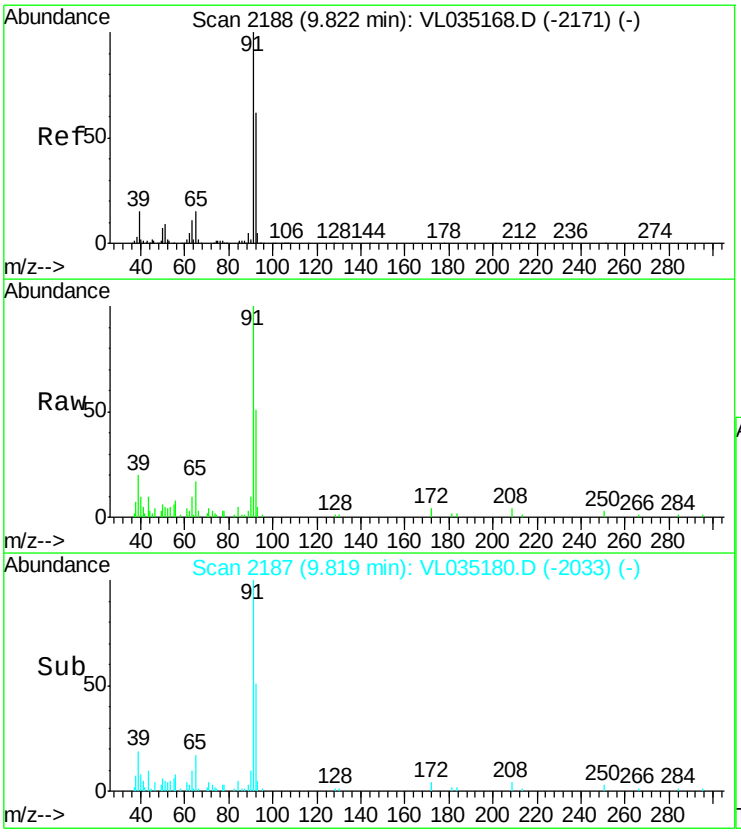
#41
Tetrahydrofuran
Concen: 1.074 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.36 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-02DLDUP

Tgt Ion: 42 Resp: 87085

Ion	Ratio	Lower	Upper
42	100		
72	1.8	33.4	50.2#
71	0.0	31.9	47.9#

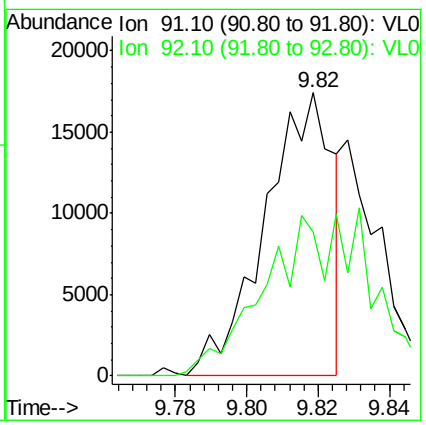


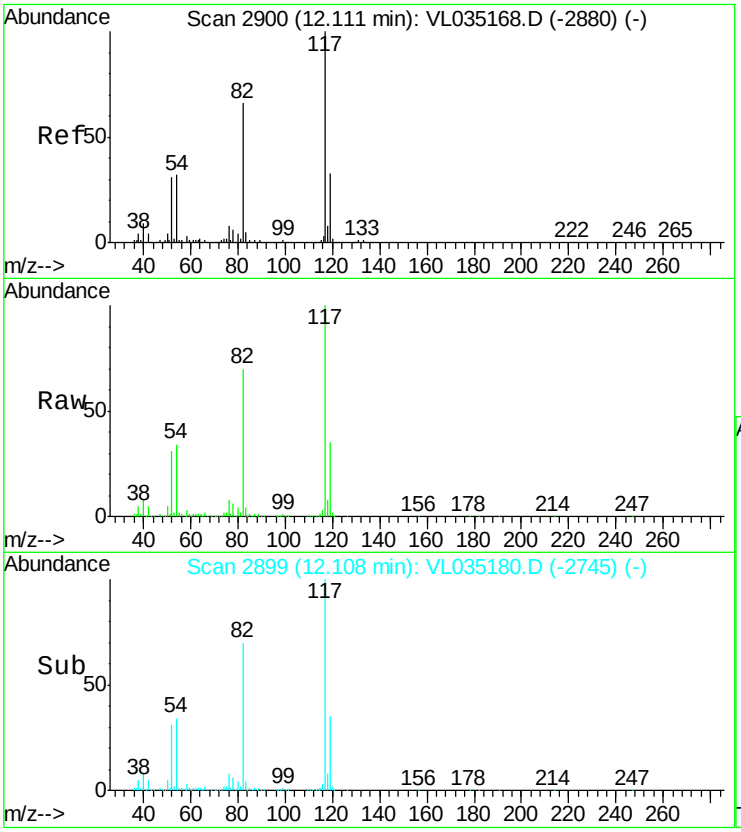


#53
Toluene
Concen: 0.099 ppbv
RT: 9.82 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

Tgt Ion: 91 Resp: 22935

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.4	72.6#



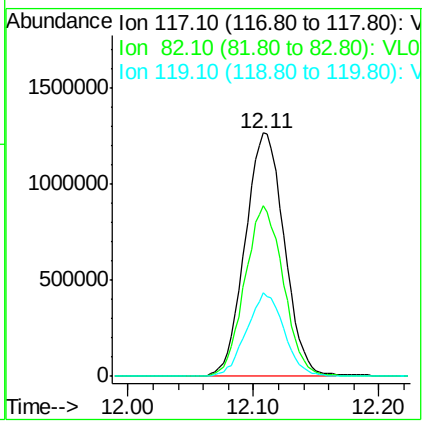


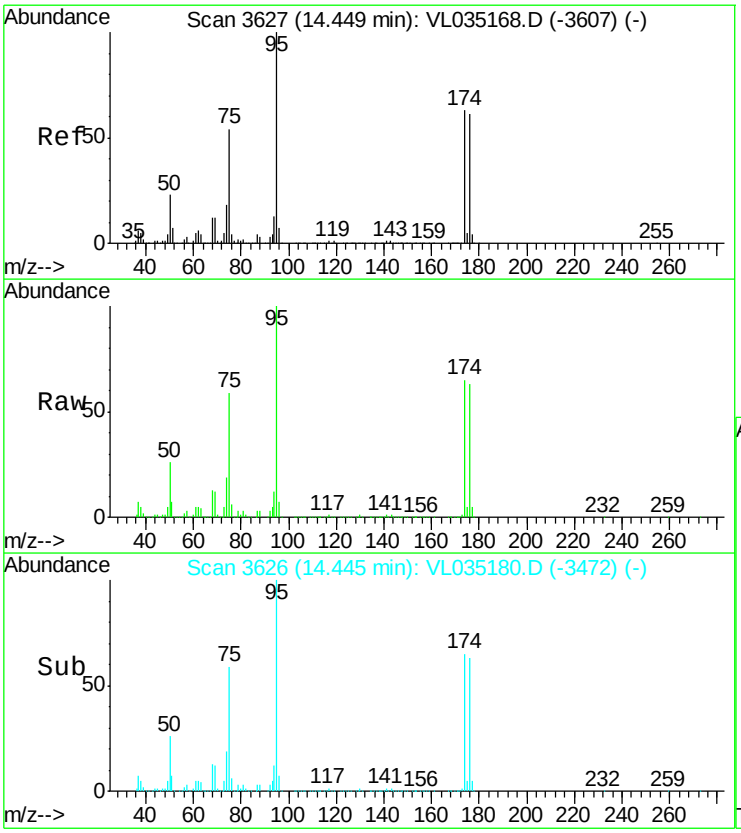
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035180.D
Acq: 8 Jul 2020 12:00

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