Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041321\
Data File : VL036811.D
Acq On : 13 Apr 2021 20:14
Operator : SY/AP
Sample : M2018-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 14 04:42:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1444908	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3594030	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2769015	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1798192	8.15	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 81.50%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.98	51	63205	0.234	ppbv #	90
4) Chloromethane	3.14	50	42945	0.450	ppbv	99
9) Propene	3.20	41	66567	0.773	ppbv	96
10) Heptane	8.12	43	17681	0.081	ppbv #	28
11) Trichlorofluoromethane	3.94	101	40439	0.168	ppbv	88
12) 1,1,2-Trichlorotrifluoroet	4.48	101	4831	0.031	ppbv #	11
13) Ethanol	3.61	45	229460	22.389	ppbv	94
15) Acetone	3.85	43	826452	5.811	ppbv	98
16) 1,3-Butadiene	3.30	39	21273	0.215	ppbv #	73
19) Isopropyl Alcohol	4.01	45	34541	0.442	ppbv #	89
20) Methylene Chloride	4.34	84	1703924	25.590	ppbv	92
25) Ethyl Acetate	5.68	43	855912	2.532	ppbv #	78
26) Hexane	5.68	57	1187648	7.569	ppbv #	46
30) Cyclohexane	7.12	84	5735	0.045	ppbv #	1
34) 2-Butanone	5.26	43	16078	0.092	ppbv #	1
36) Benzene	6.89	78	58006	0.175	ppbv	99
39) 1,2-Dichloropropane	7.17	63	948961	7.058	ppbv #	23
41) Tetrahydrofuran	5.74	42	4965	0.061	ppbv #	45
44) 2,2,4-Trimethylpentane	7.87	57	53321	0.091	ppbv #	63
53) Toluene	9.81	91	330152	0.935	ppbv	98
74) 1,2,4-Trimethylbenzene	16.76	105	46925	0.126	ppbv #	64

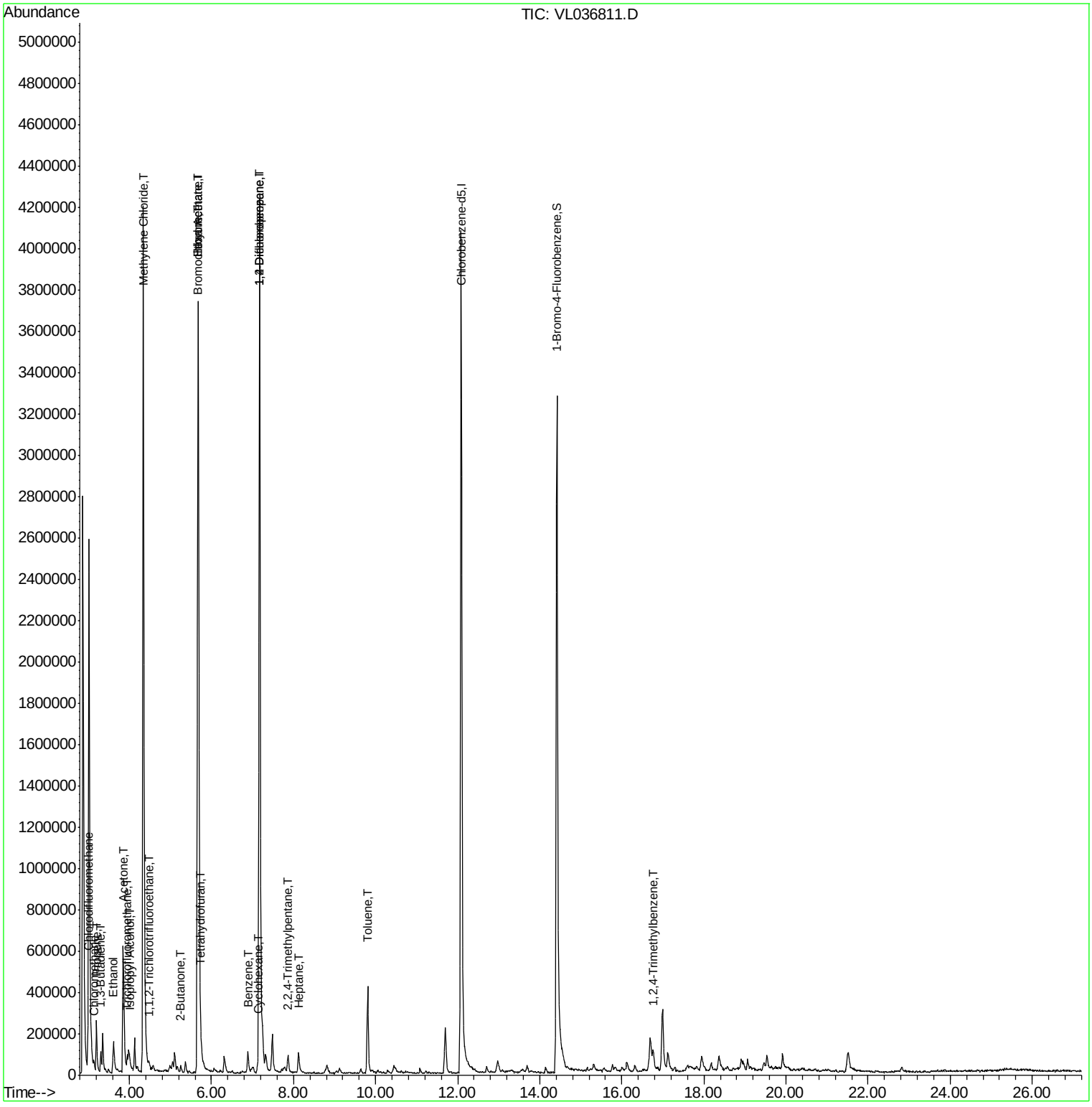
(#) = qualifier out of range (m) = manual integration (+) = signals summed

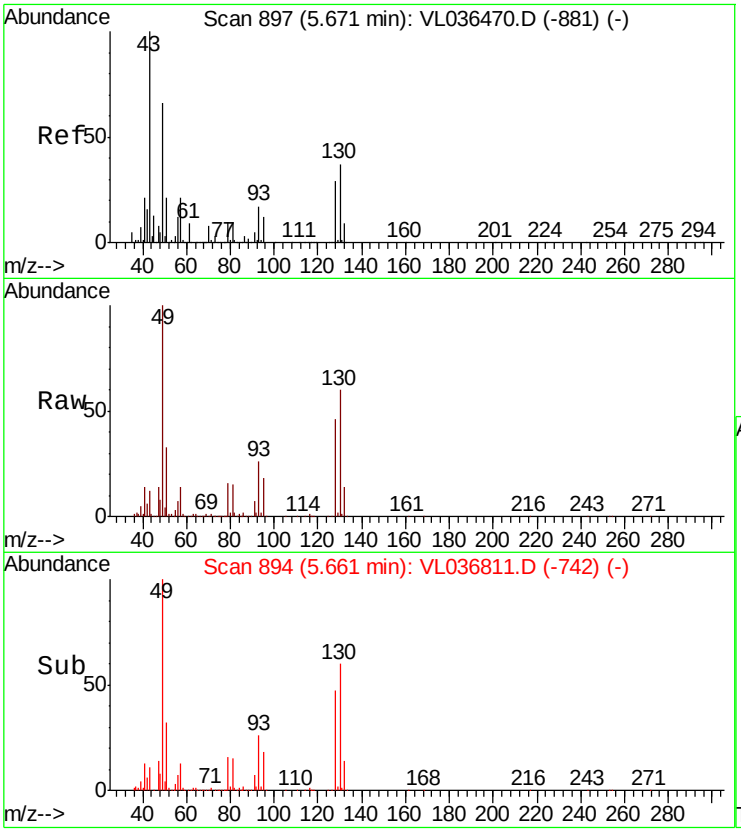
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL041321\
Data File : VL036811.D
Acq On : 13 Apr 2021 20:14
Operator : SY/AP
Sample : M2018-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 14 04:42:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration



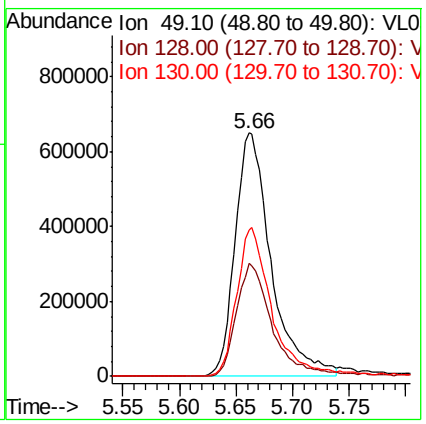


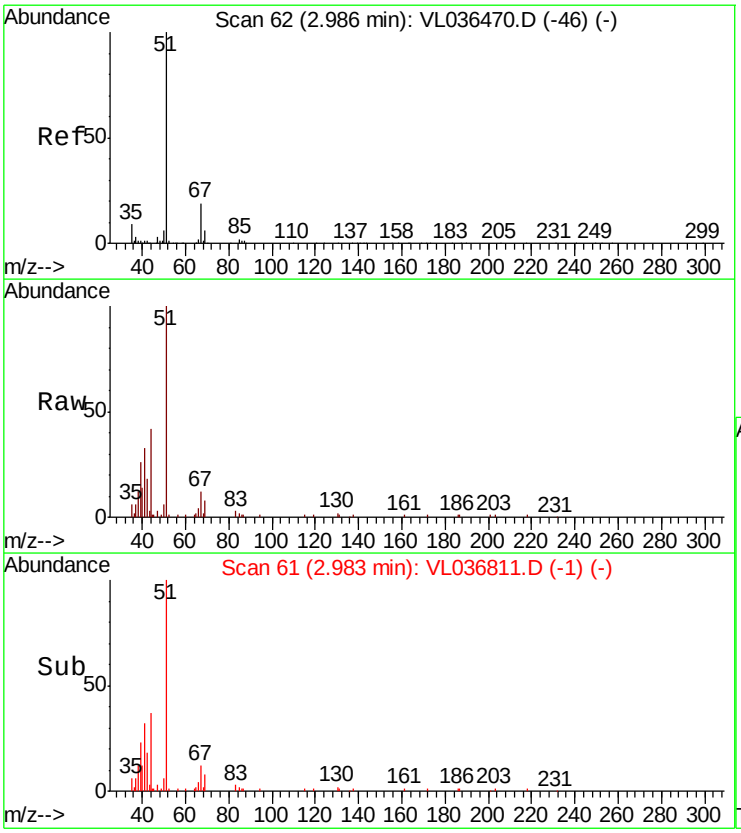
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1444908

Ion	Ratio	Lower	Upper
49	100		
128	47.6	23.5	70.6
130	61.3	29.1	87.4

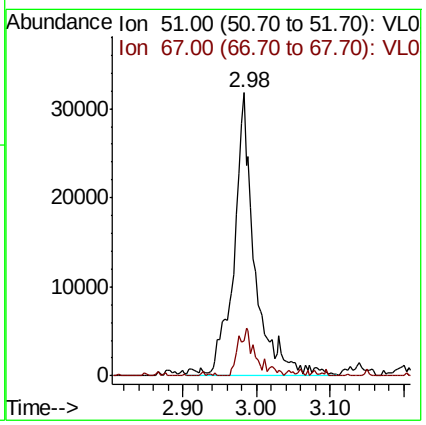


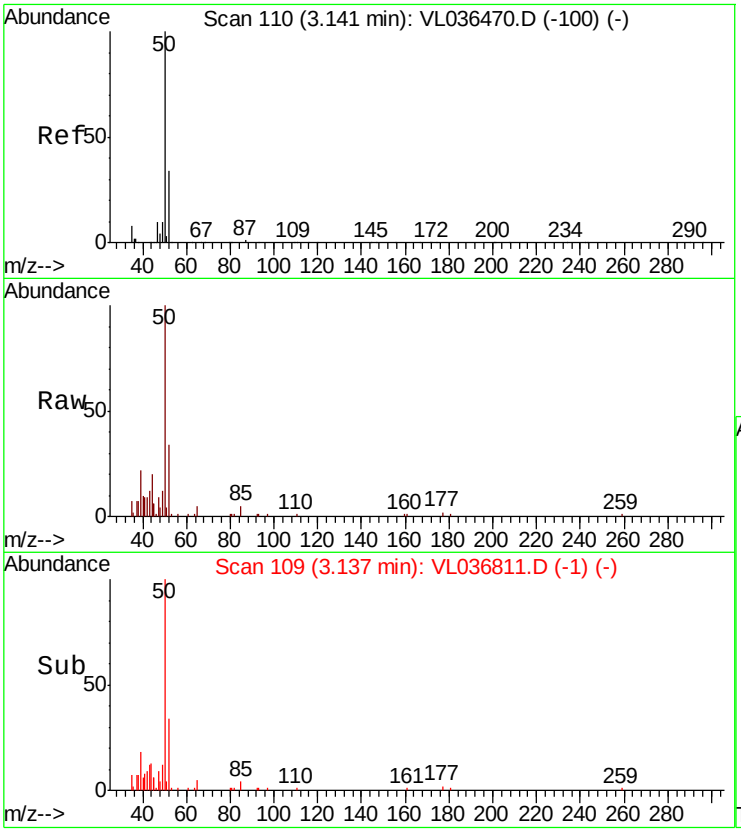


#3
Chlorodifluoromethane
Concen: 0.234 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 51 Resp: 63205

Ion	Ratio	Lower	Upper
51	100		
67	13.9	14.7	22.1#



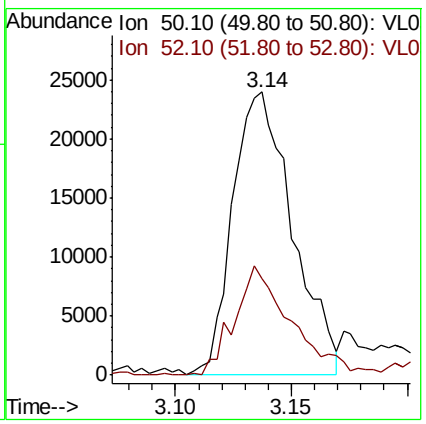


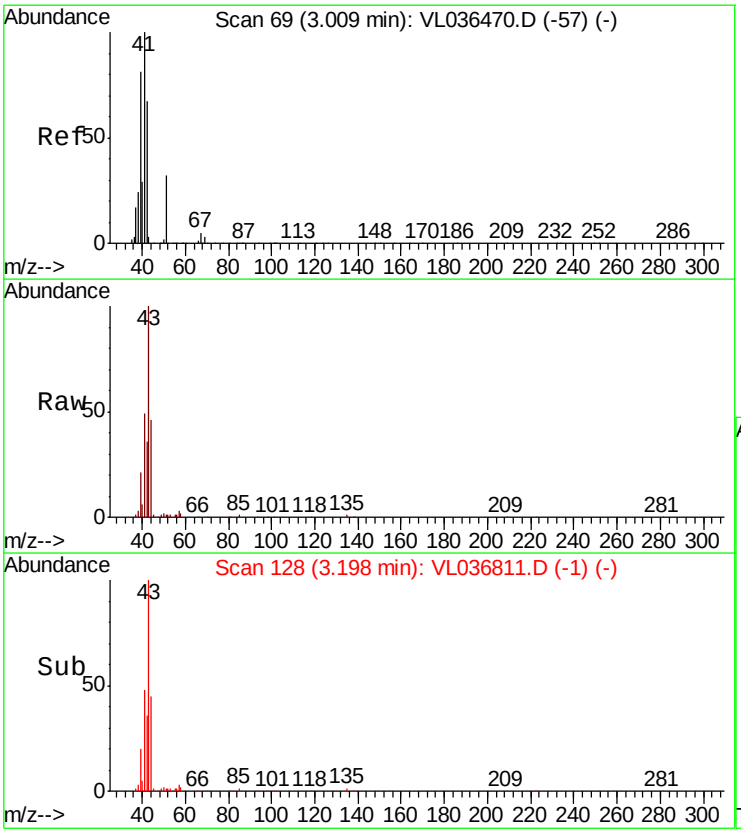
#4
Chloromethane
Concen: 0.450 ppbv
RT: 3.14
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 42945

Ion	Ratio	Lower	Upper
50	100		
52	34.2	27.0	40.6

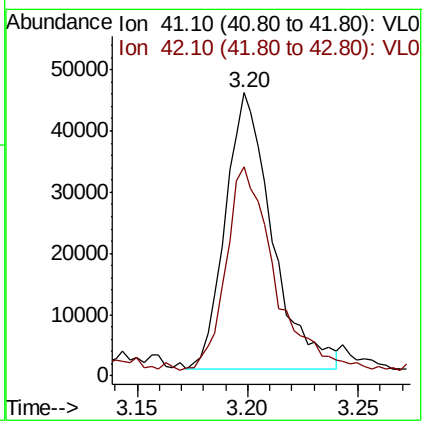


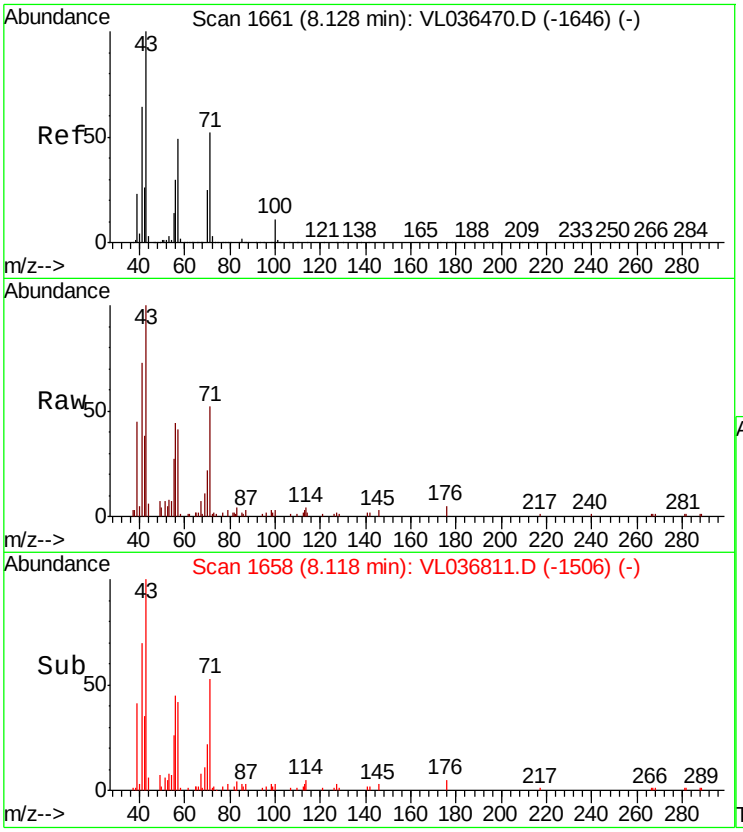


#9
Propene
Concen: 0.773 ppbv
RT: 3.20 min Scan# 128
Delta R.T. 0.19 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 41 Resp: 66567

Ion	Ratio	Lower	Upper
41	100		
42	74.8	57.0	85.4



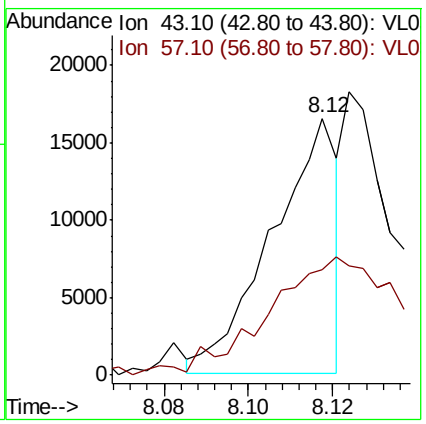


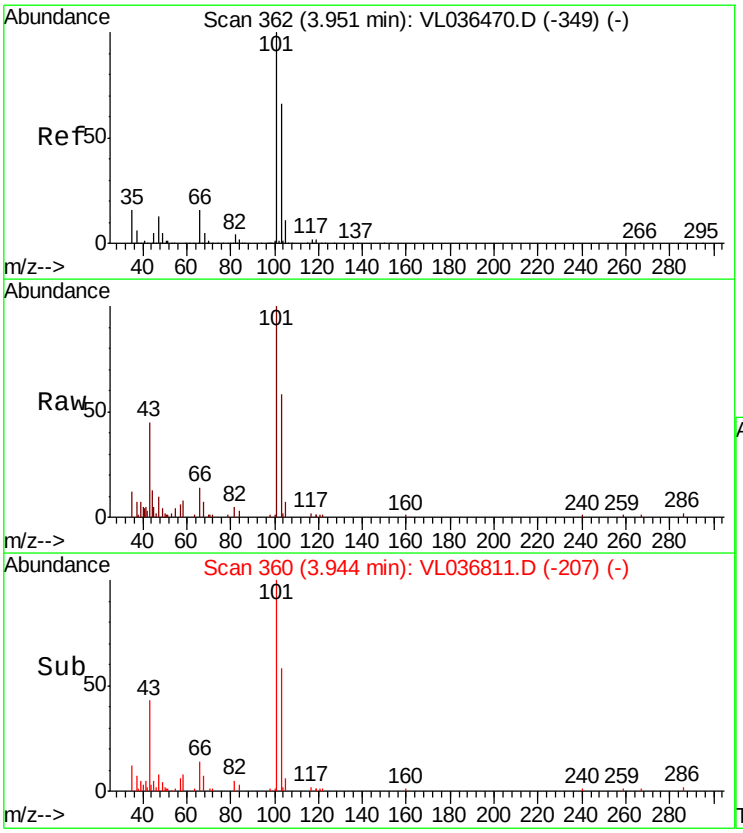
#10
Heptane
Concen: 0.081 ppbv
RT: 8.12
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 17681

Ion	Ratio	Lower	Upper
43	100		
57	0.0	39.0	58.6#

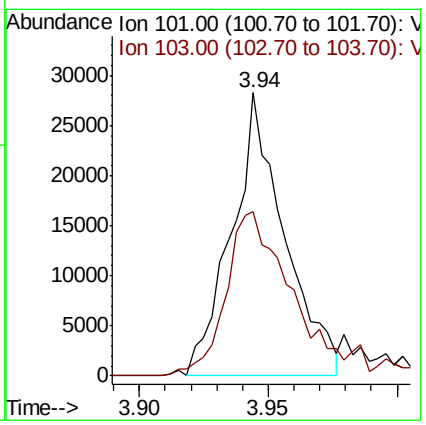


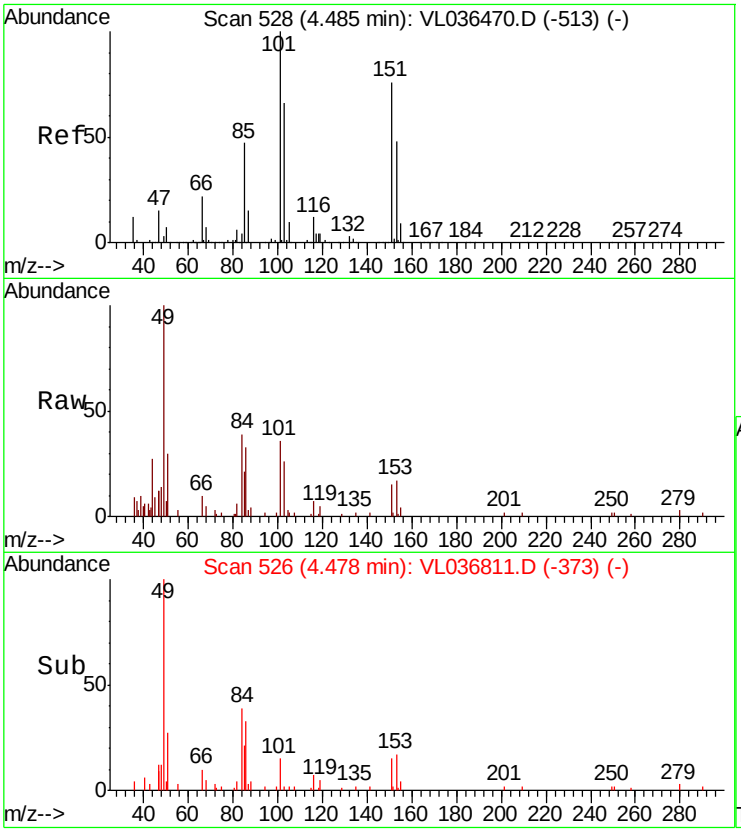


#11
Trichlorofluoromethane
Concen: 0.168 ppbv
RT: 3.94 min Scan# 360
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion:101 Resp: 40439

Ion	Ratio	Lower	Upper
101	100		
103	55.8	52.5	78.7



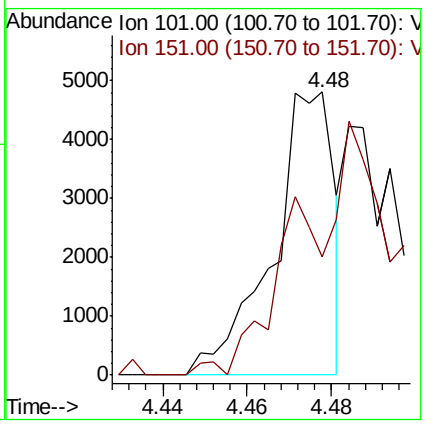


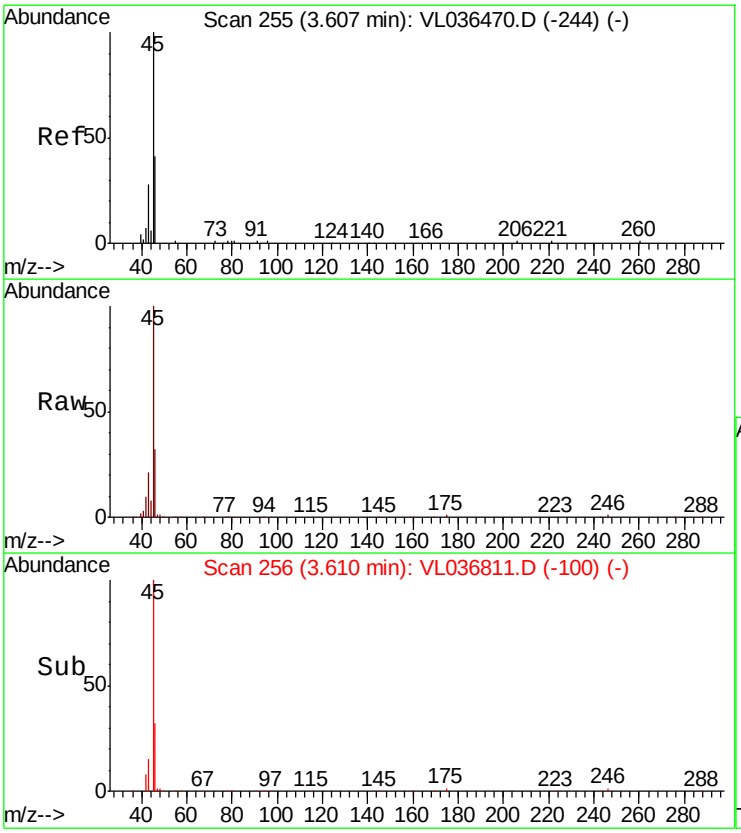
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.031 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 4831

Ion	Ratio	Lower	Upper
101	100		
151	0.0	60.9	91.3#

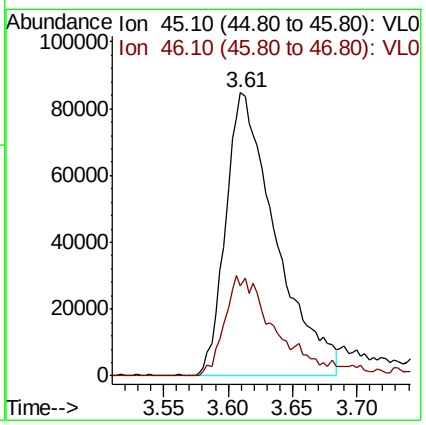


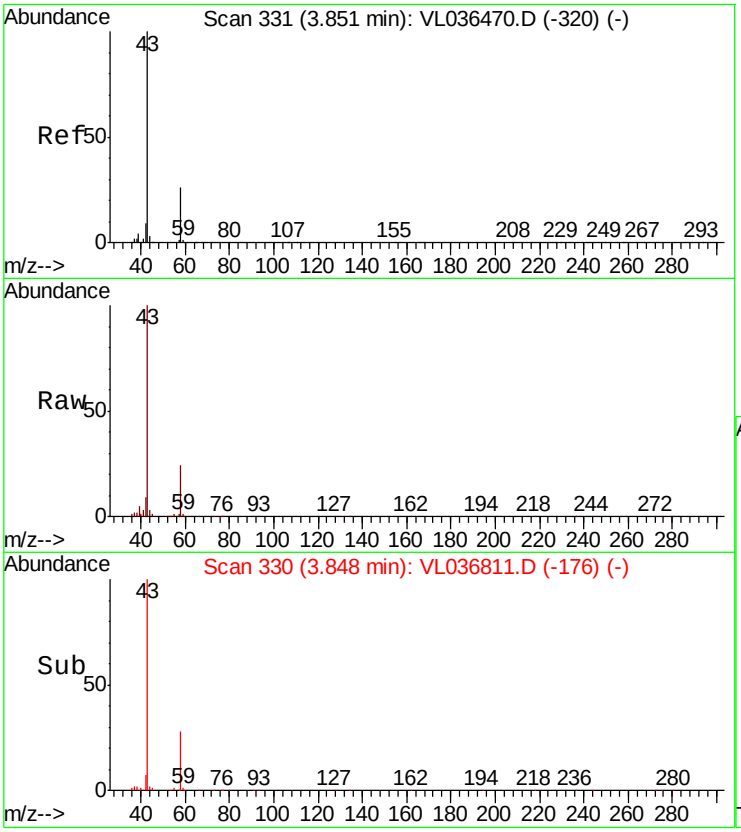


#13
Ethanol
Concen: 22.389 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 45 Resp: 229460

Ion	Ratio	Lower	Upper
45	100		
46	37.4	16.6	66.2



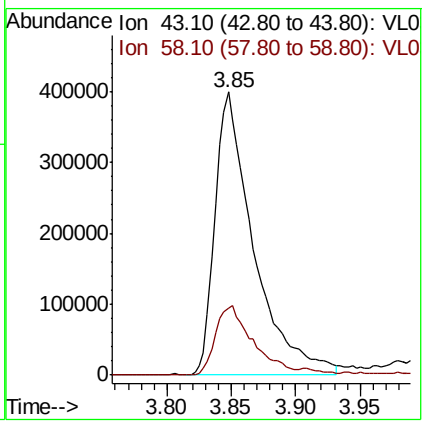


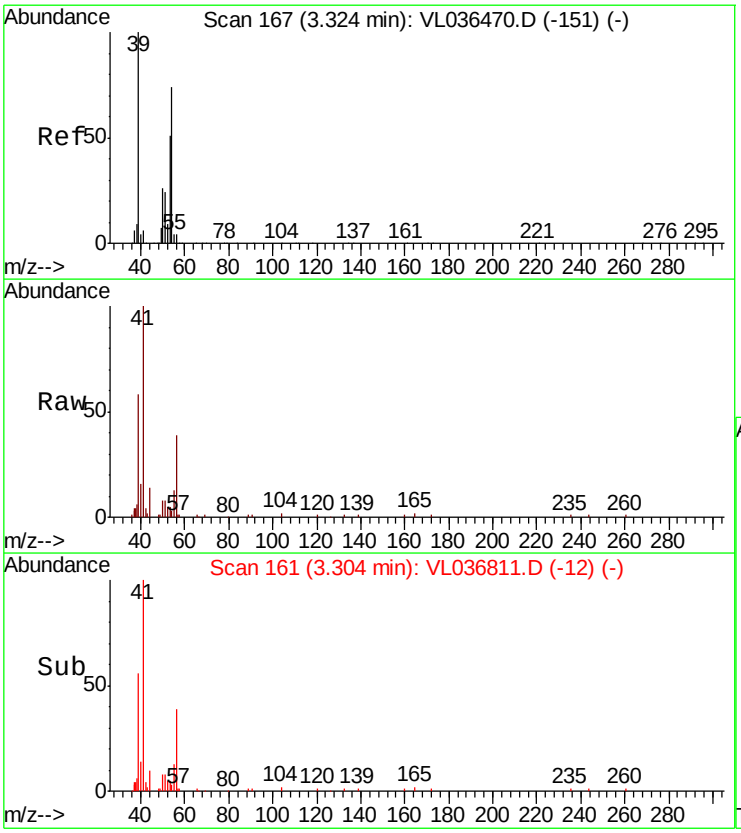
#15
Acetone
Concen: 5.811 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 826452

Ion	Ratio	Lower	Upper
43	100		
58	25.6	21.2	31.8

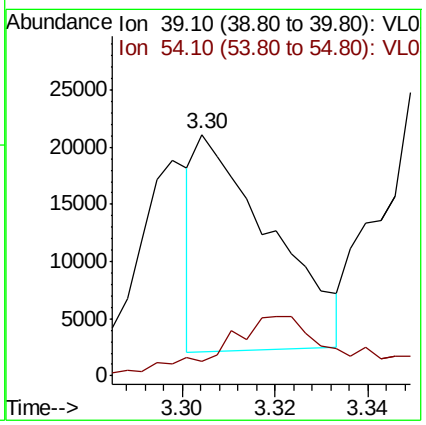


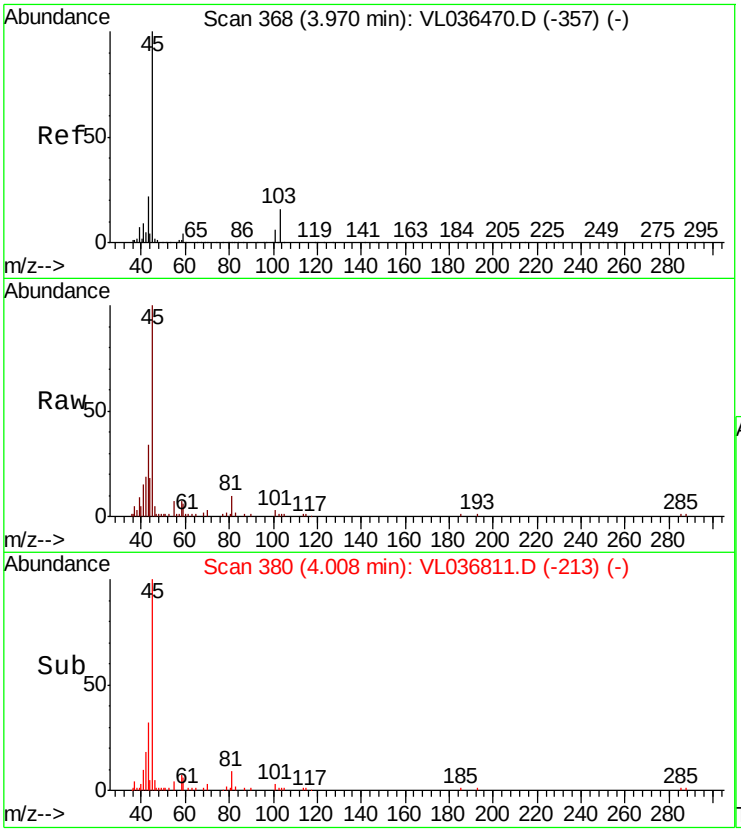


#16
1,3-Butadiene
Concen: 0.215 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 39 Resp: 21273

Ion	Ratio	Lower	Upper
39	100		
54	51.1	58.8	88.2#



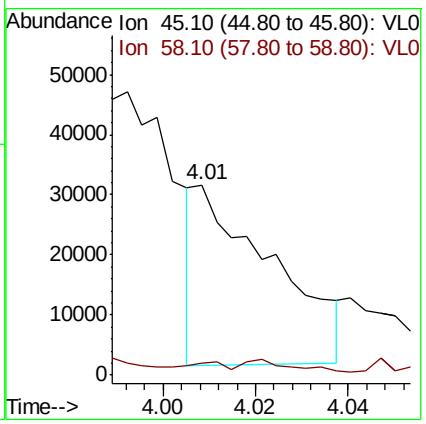


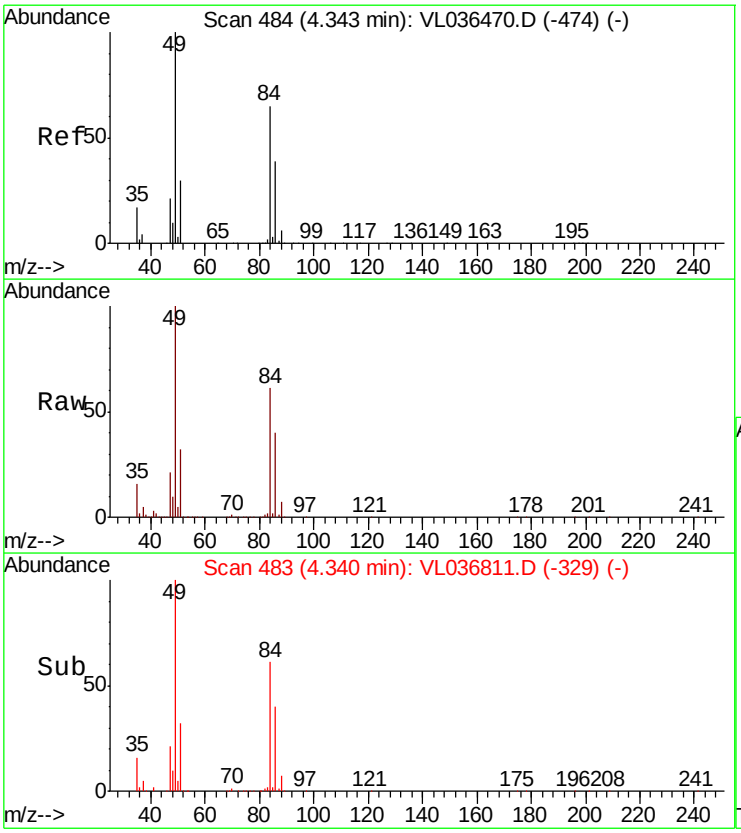
#19
Isopropyl Alcohol
Concen: 0.442 ppbv
RT: 4.01
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 34541

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.9	4.3#

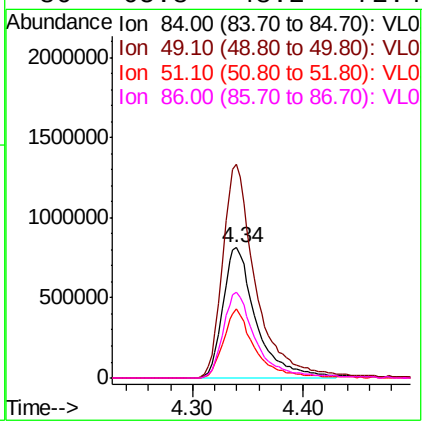


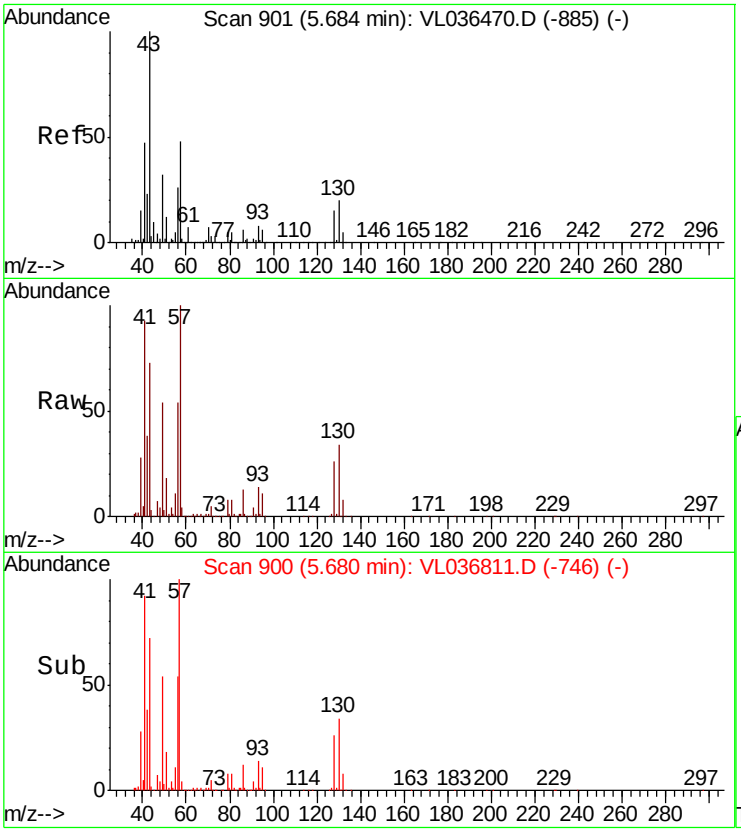


#20
Methylene Chloride
Concen: 25.590 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 84 Resp: 1703924

Ion	Ratio	Lower	Upper
84	100		
49	163.6	122.9	184.3
51	52.7	36.9	55.3
86	65.8	48.2	72.4



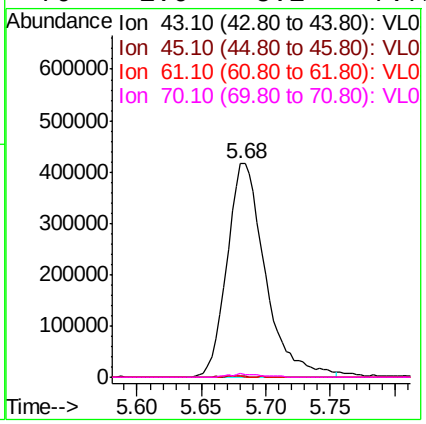


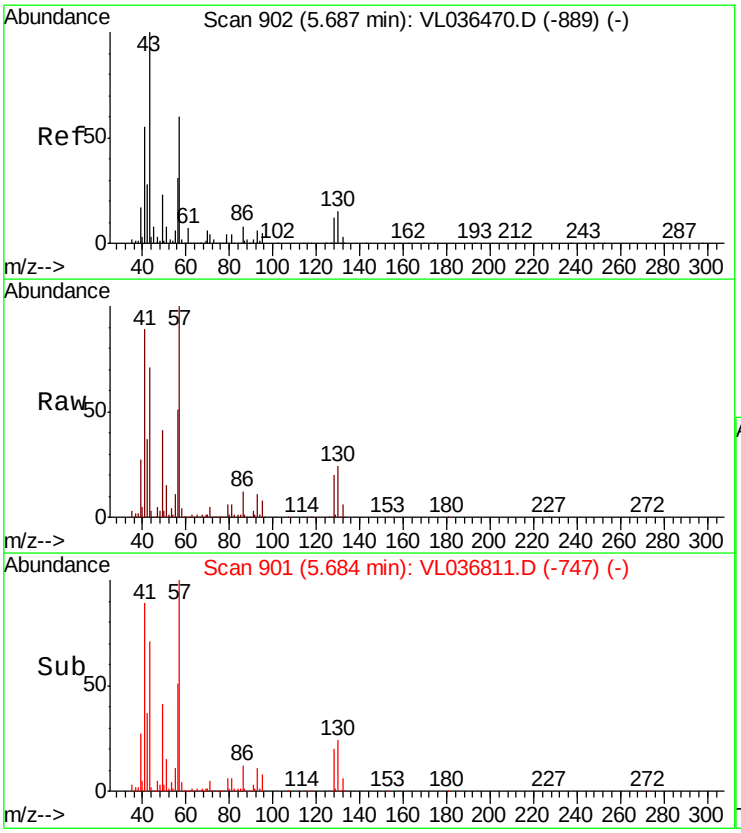
#25
Ethyl Acetate
Concen: 2.532 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 855912

Ion	Ratio	Lower	Upper
43	100		
45	0.7	7.9	11.9#
61	0.4	7.4	11.2#
70	1.6	5.1	7.7#

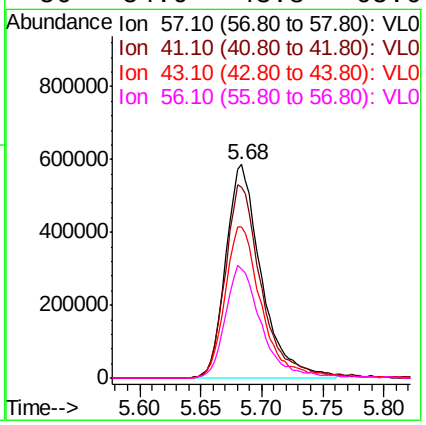


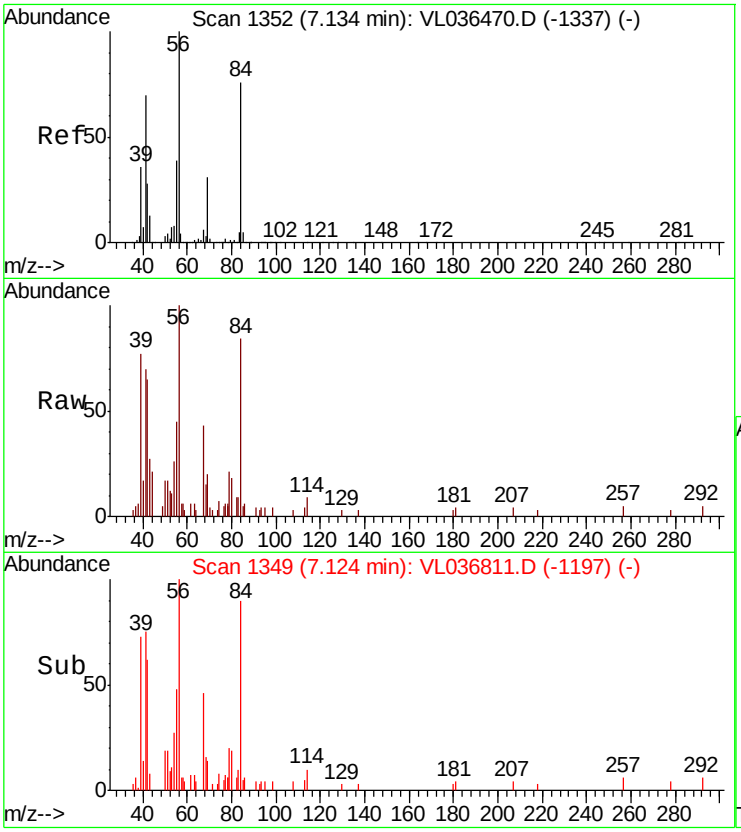


#26
Hexane
Concen: 7.569 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 57 Resp: 1187648

Ion	Ratio	Lower	Upper
57	100		
41	93.7	77.2	115.8
43	73.6	173.8	260.6#
56	54.0	43.8	65.6



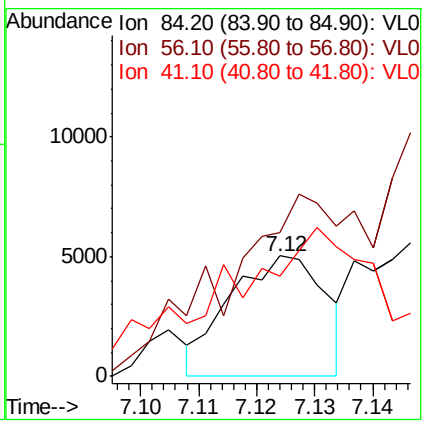


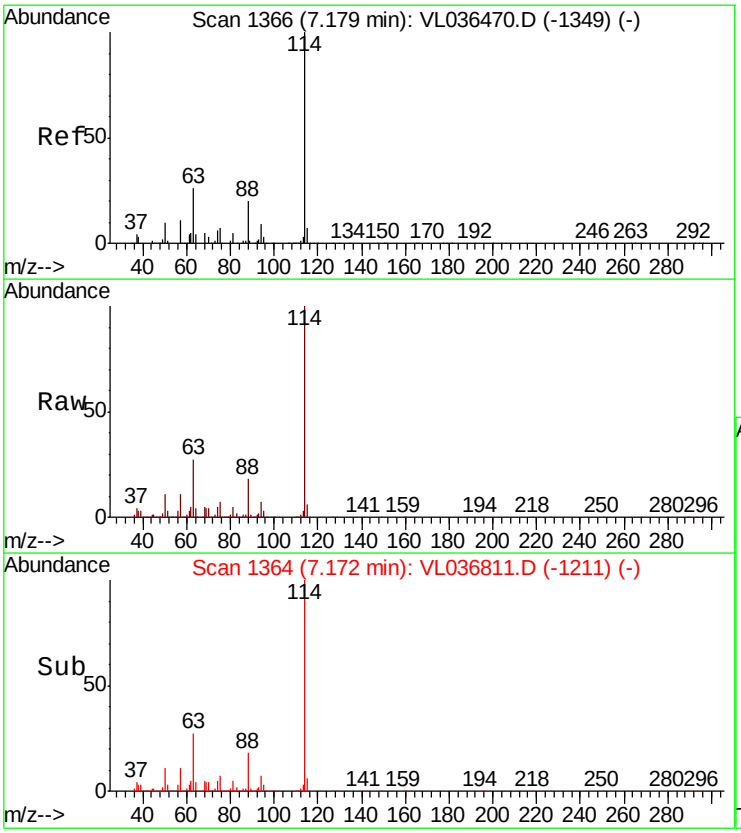
#30
Cyclohexane
Concen: 0.045 ppbv
RT: 7.12
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 5735

Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	252.5	75.3	112.9#

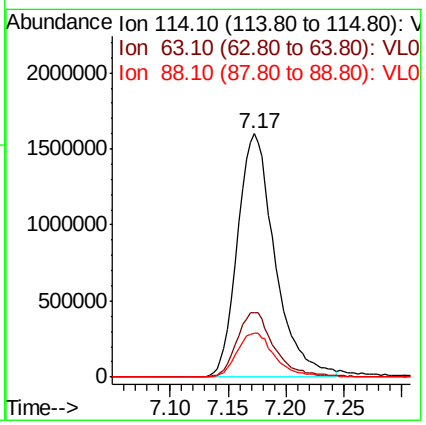


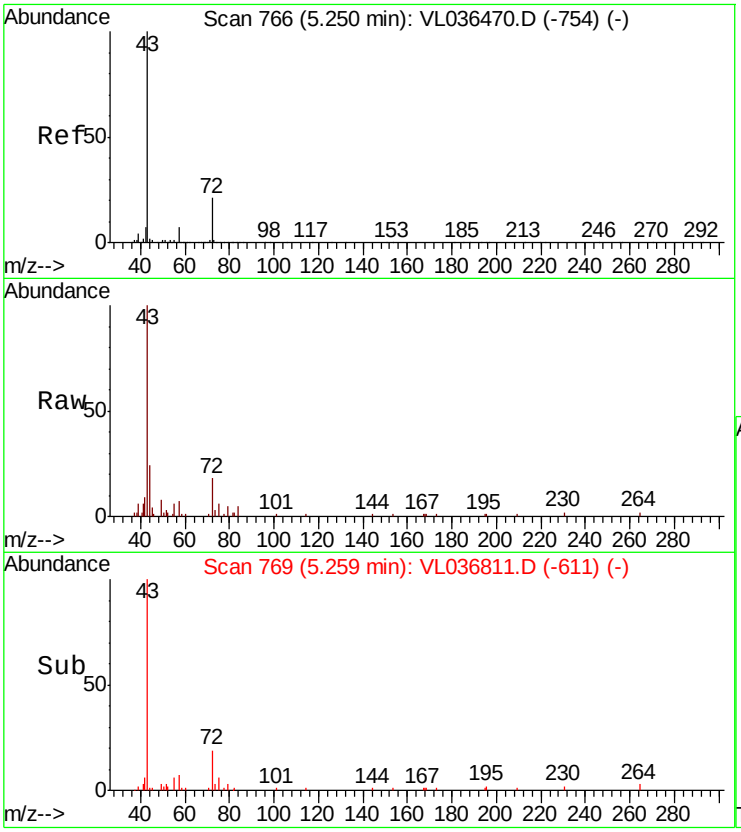


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion:114 Resp: 3594030

Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.7	15.4	23.0



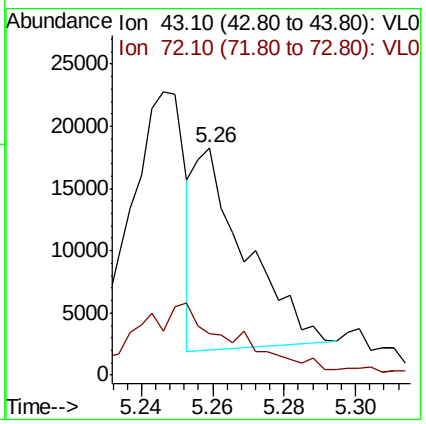


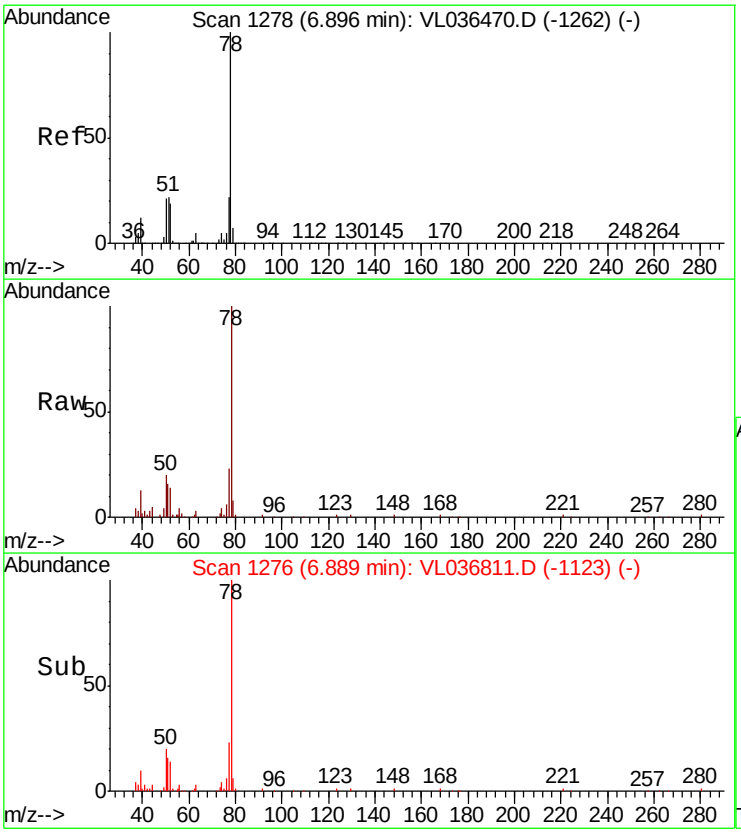
#34
2-Butanone
Concen: 0.092 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 16078

Ion	Ratio	Lower	Upper
43	100		
72	74.8	17.0	25.6#

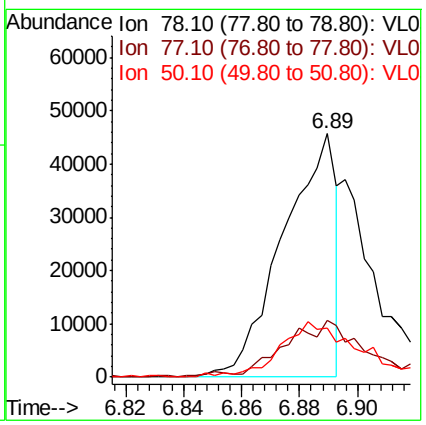


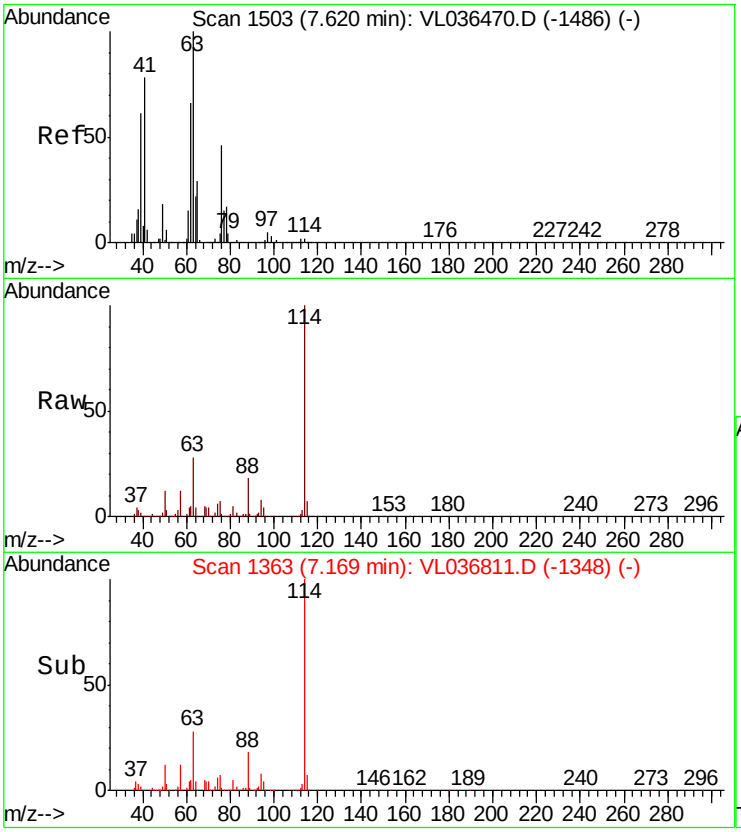


#36
Benzene
Concen: 0.175 ppbv
RT: 6.89 min Scan# 1276
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 78 Resp: 58006

Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.0	27.0
50	19.7	16.5	24.7



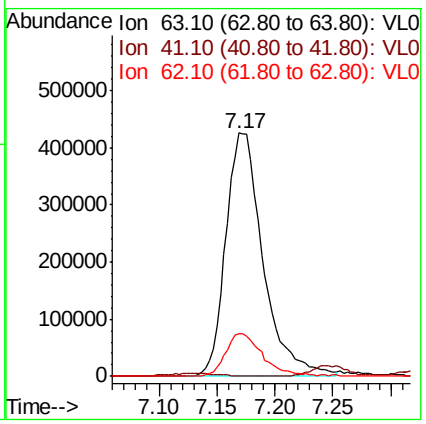


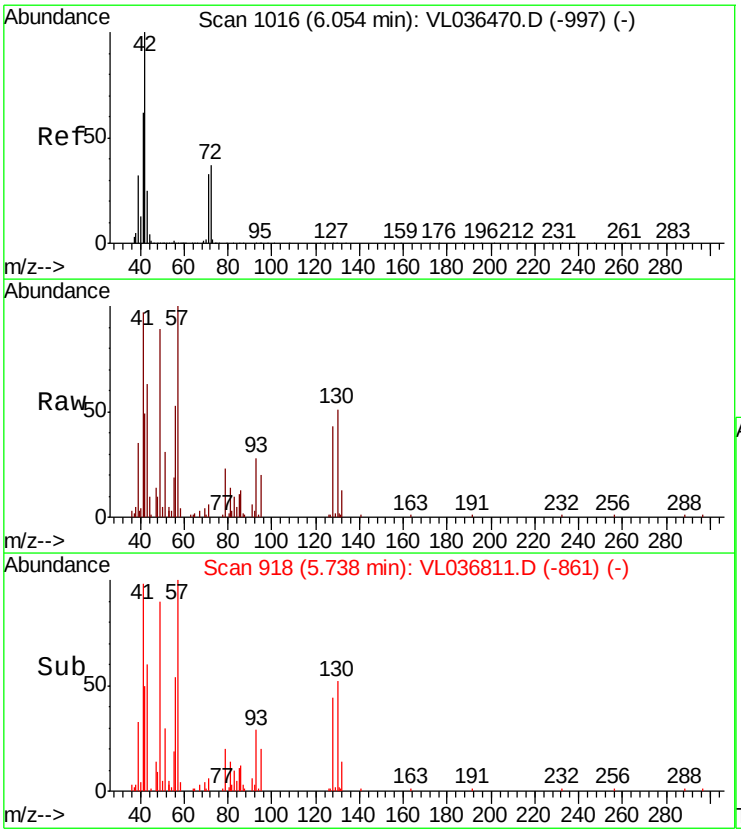
#39
1,2-Dichloropropane
Concen: 7.058 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 948961

Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.4	93.6#
62	17.5	52.8	79.2#

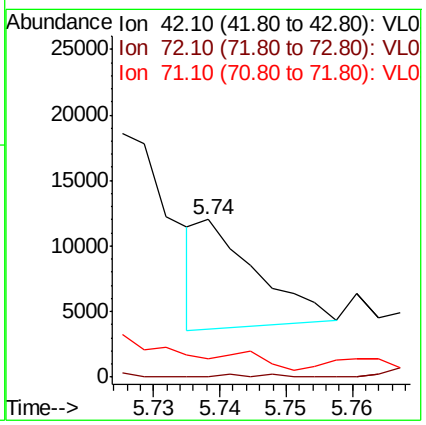


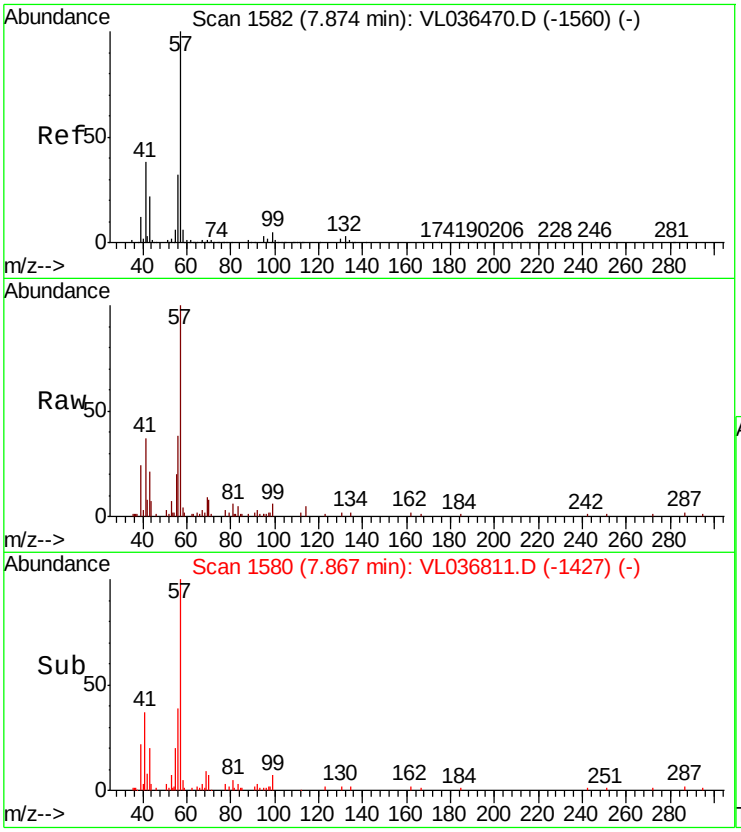


#41
Tetrahydrofuran
Concen: 0.061 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.32 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 42 Resp: 4965

Ion	Ratio	Lower	Upper
42	100		
72	5.4	27.6	41.4#
71	0.0	27.0	40.4#



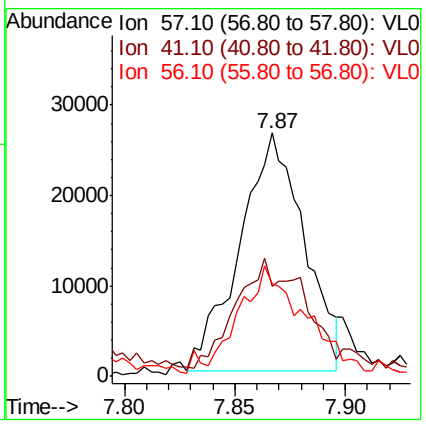


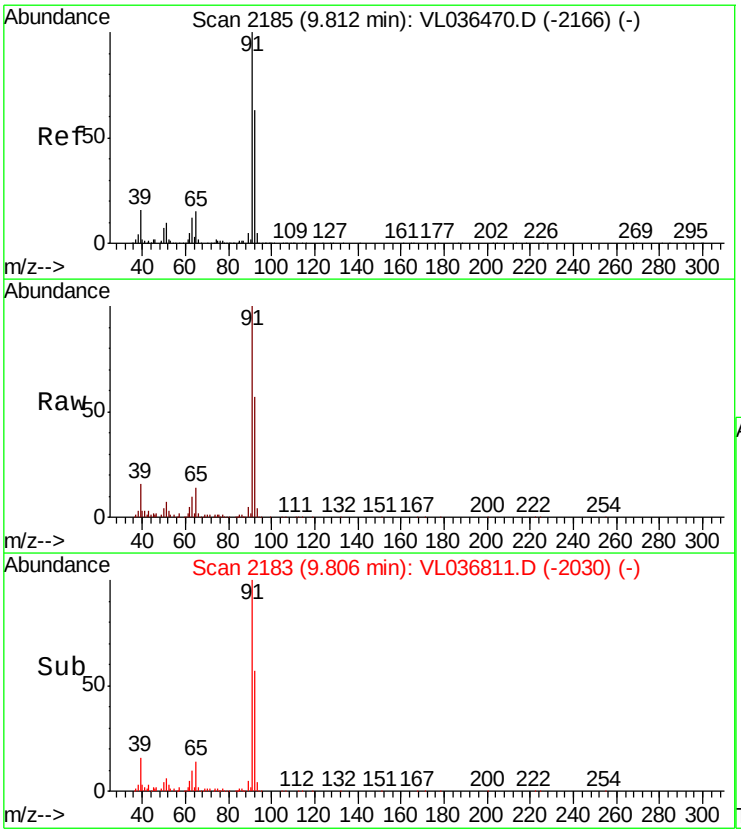
#44
2,2,4-Trimethylpentane
Concen: 0.091 ppbv
RT: 7.87
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 53321

Ion	Ratio	Lower	Upper
57	100		
41	60.0	28.8	43.2#
56	51.5	26.1	39.1#

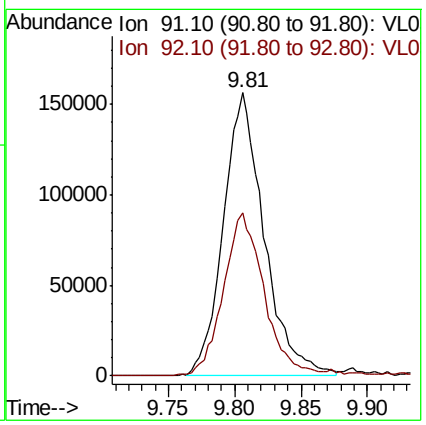


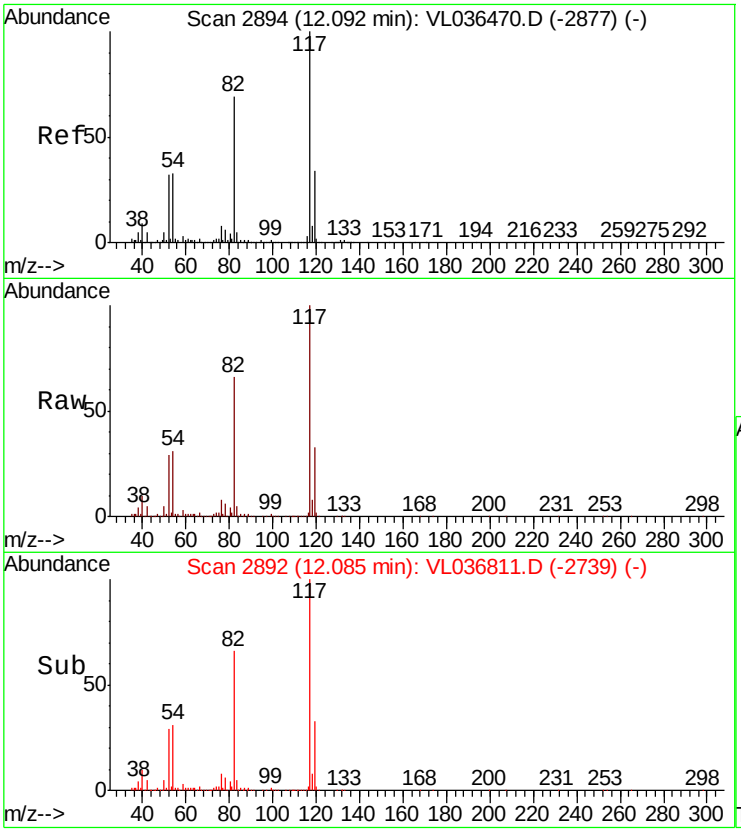


#53
Toluene
Concen: 0.935 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 91 Resp: 330152

Ion	Ratio	Lower	Upper
91	100		
92	59.3	48.8	73.2



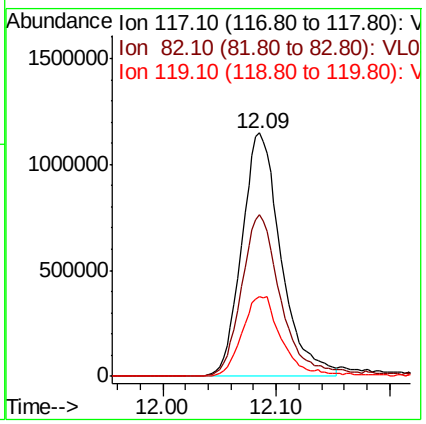


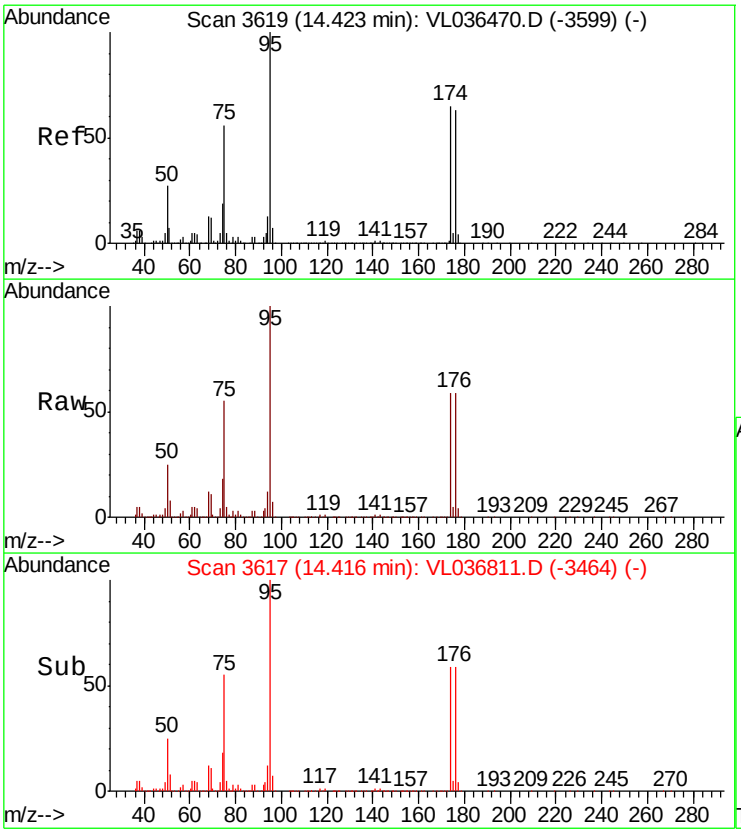
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2769015

Ion	Ratio	Lower	Upper
117	100		
82	69.3	57.4	86.0
119	34.6	47.4	71.0#

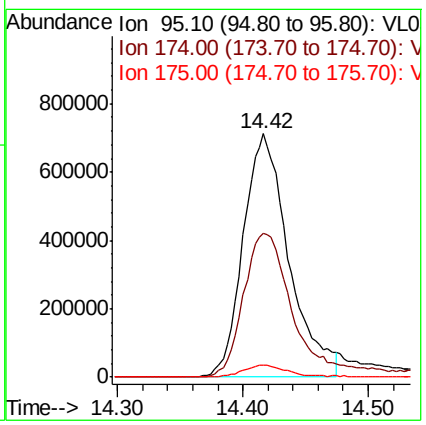


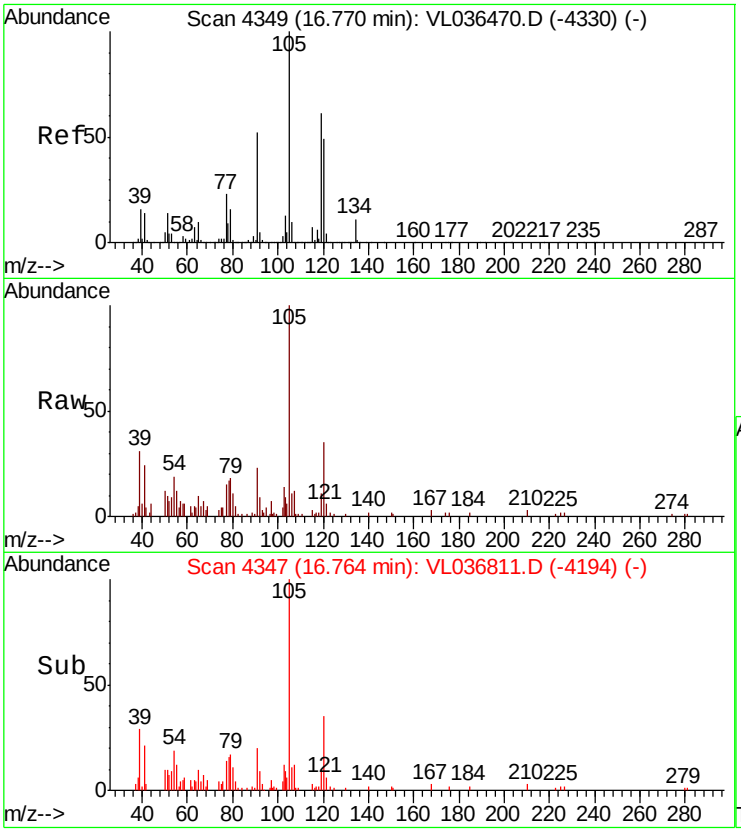


#68
1-Bromo-4-Fluorobenzene
Concen: 8.148 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL036811.D
Acq: 13 Apr 2021 20:14

Tgt Ion: 95 Resp: 1798192

Ion	Ratio	Lower	Upper
95	100		
174	69.1	51.0	76.6
175	5.0	3.9	5.9





#74
1,2,4-Trimethylbenzene
Concen: 0.126 ppbv
RT: 16.76
Delta R.T
Lab File:
Acq: 13 Apr 2021 20:14

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 46925

Ion	Ratio	Lower	Upper
105	100		
120	28.2	39.2	58.8#
91	20.2	42.6	64.0#
77	13.1	18.6	28.0#