Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL042721\
Data File : VL036857.D
Acq On : 27 Apr 2021 14:34
Operator : SY/AP
Sample : M2174-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 28 05:24:12 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1362138	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.18	114	3225194	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.09	117	2716140	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2265465	10.39	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	58280	0.272	ppbv		96
3) Chlorodifluoromethane	2.99	51	77139	0.311	ppbv		94
4) Chloromethane	3.14	50	35908	0.440	ppbv		89
9) Propene	3.20	41	126984	1.680	ppbv		96
10) Heptane	8.13	43	5949	0.031	ppbv	#	29
11) Trichlorofluoromethane	3.95	101	42948	0.224	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	6054	0.047	ppbv	#	42
13) Ethanol	3.62	45	144557	14.993	ppbv		93
15) Acetone	3.85	43	929884	7.243	ppbv	#	89
16) 1,3-Butadiene	3.31	39	5984	0.073	ppbv	#	12
19) Isopropyl Alcohol	4.01	45	25295	0.398	ppbv	#	89
20) Methylene Chloride	4.35	84	747516	12.176	ppbv		96
25) Ethyl Acetate	5.69	43	511450	1.631	ppbv	#	80
26) Hexane	5.69	57	706072	4.812	ppbv	#	45
34) 2-Butanone	5.11	43	52650	0.373	ppbv	#	58
35) Carbon Tetrachloride	7.02	117	6948	0.032	ppbv	#	88
36) Benzene	6.89	78	38163	0.140	ppbv	#	86
39) 1,2-Dichloropropane	7.24	63	14782	0.136	ppbv	#	40
41) Tetrahydrofuran	5.69	42	301205	4.874	ppbv	#	50
44) 2,2,4-Trimethylpentane	7.88	57	15485	0.033	ppbv	#	1
53) Toluene	9.81	91	163281	0.574	ppbv		97

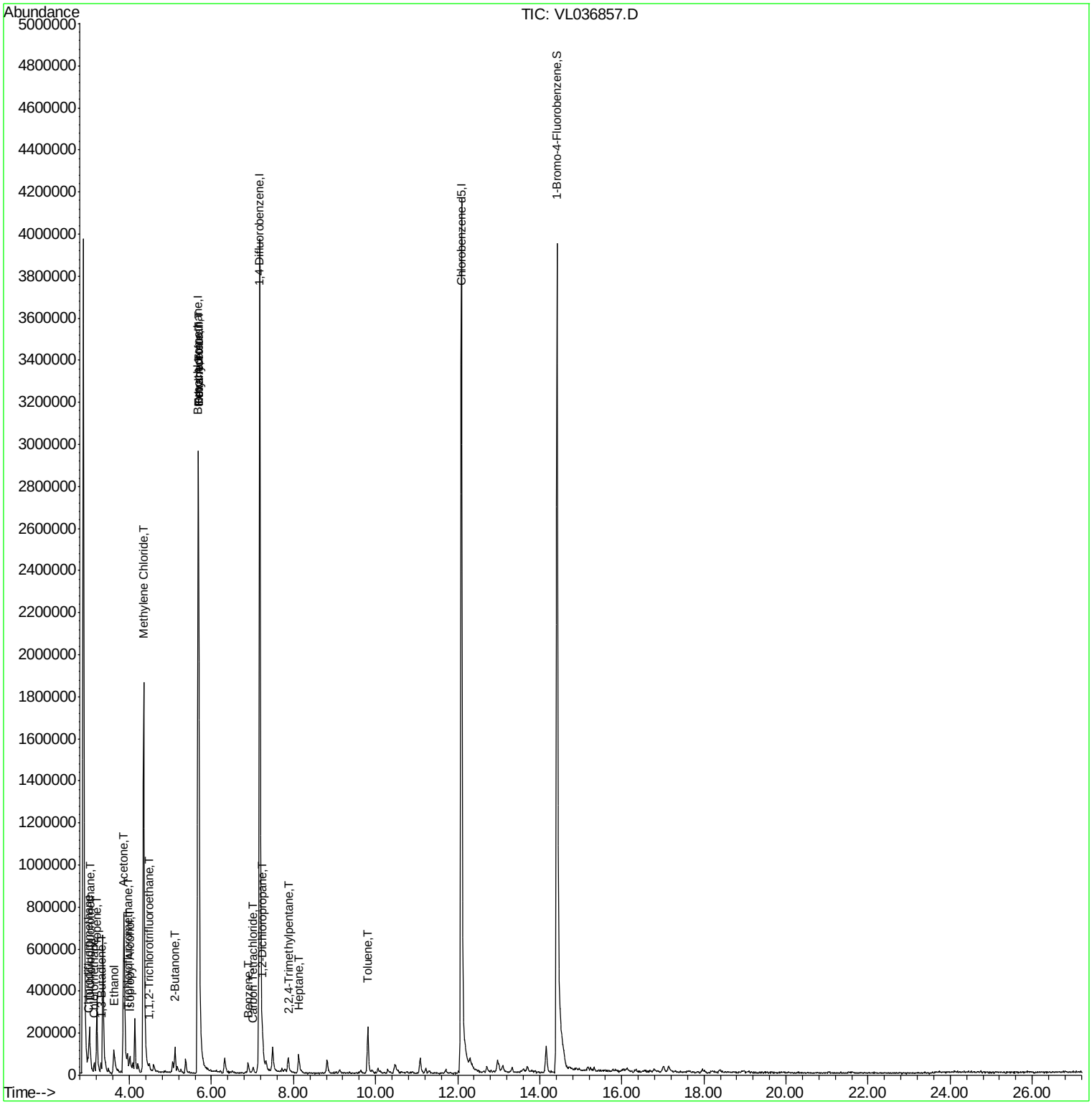
(#) = qualifier out of range (m) = manual integration (+) = signals summed

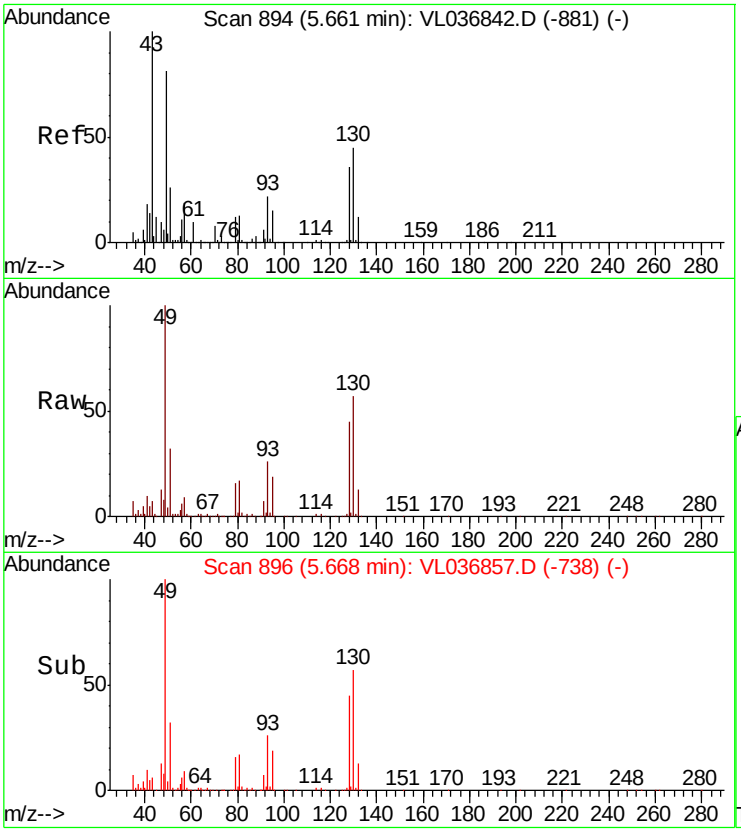
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL042721\
Data File : VL036857.D
Acq On : 27 Apr 2021 14:34
Operator : SY/AP
Sample : M2174-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 28 05:24:12 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration



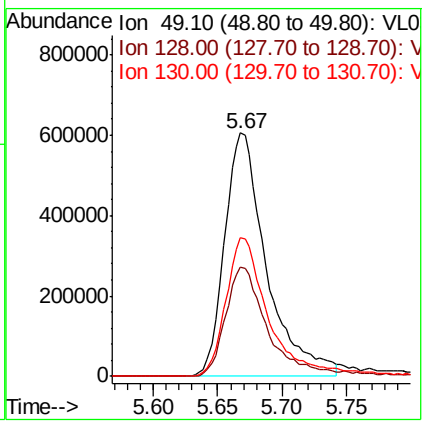


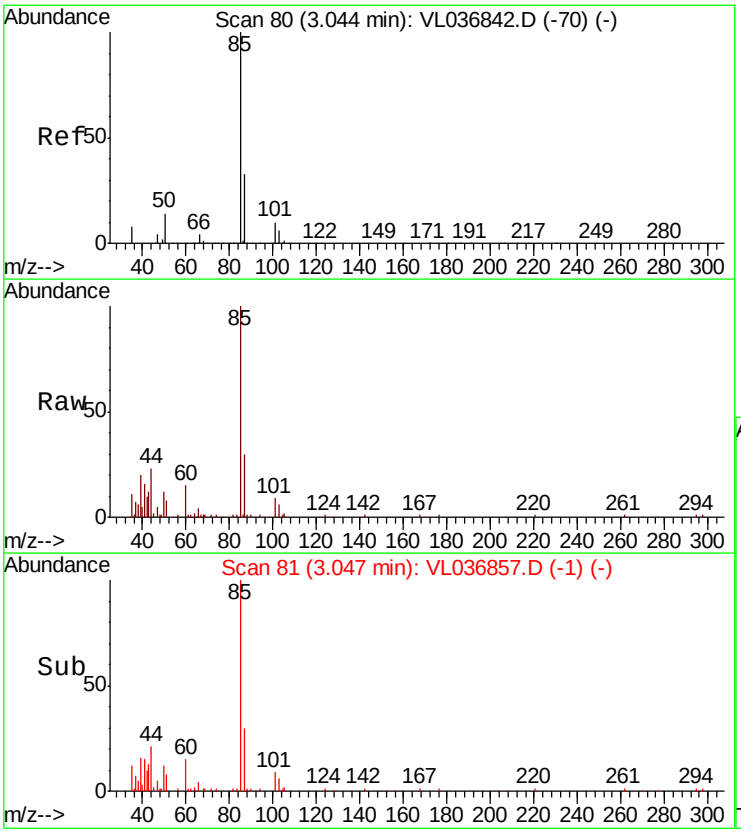
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1362138

Ion	Ratio	Lower	Upper
49	100		
128	46.7	24.4	73.2
130	59.5	30.3	90.8

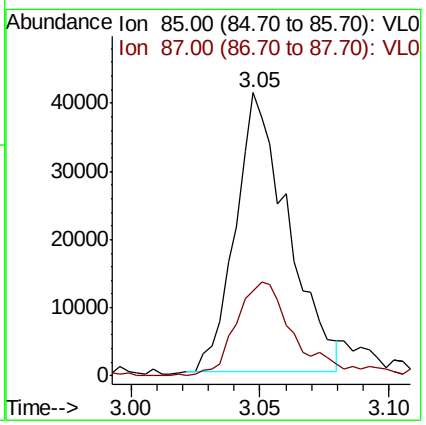


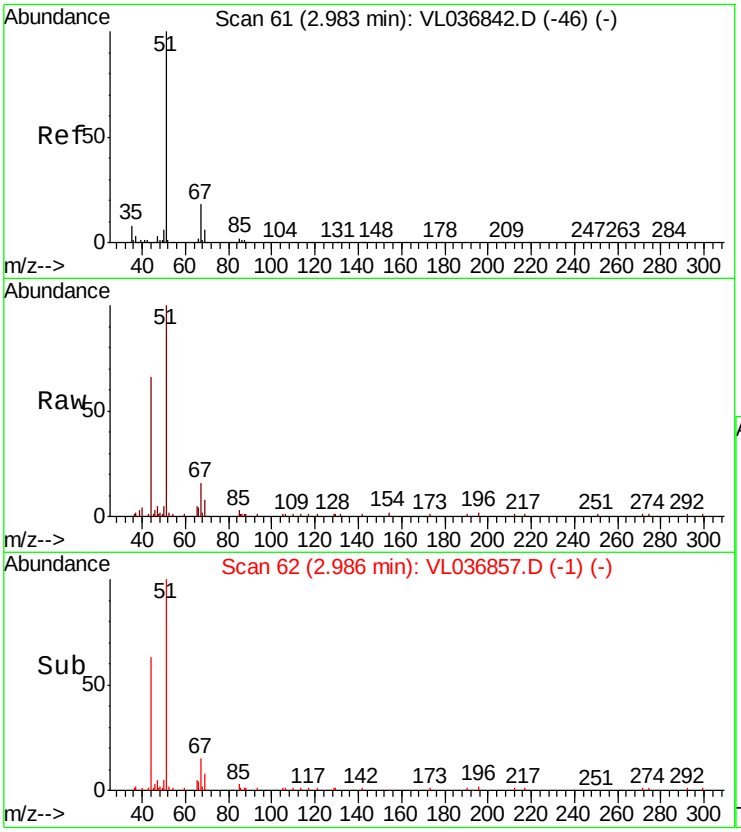


#2
Dichlorodifluoromethane
Concen: 0.272 ppbv
RT: 3.05 min Scan# 81
Delta R.T. 0.00 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 85 Resp: 58280

Ion	Ratio	Lower	Upper
85	100		
87	30.6	26.2	39.2



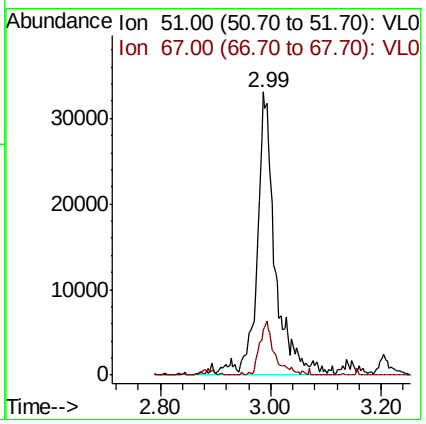


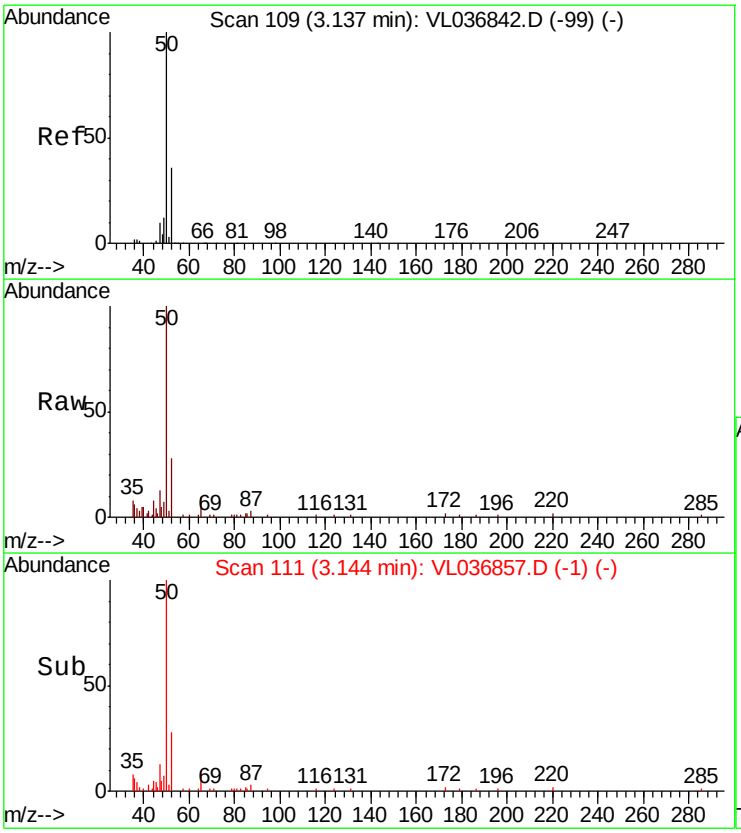
#3
Chlorodifluoromethane
Concen: 0.311 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 77139

Ion	Ratio	Lower	Upper
51	100		
67	15.7	14.8	22.2

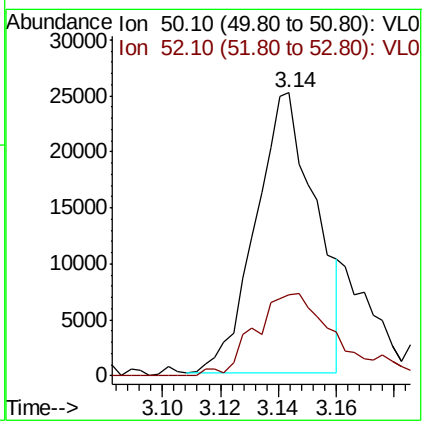


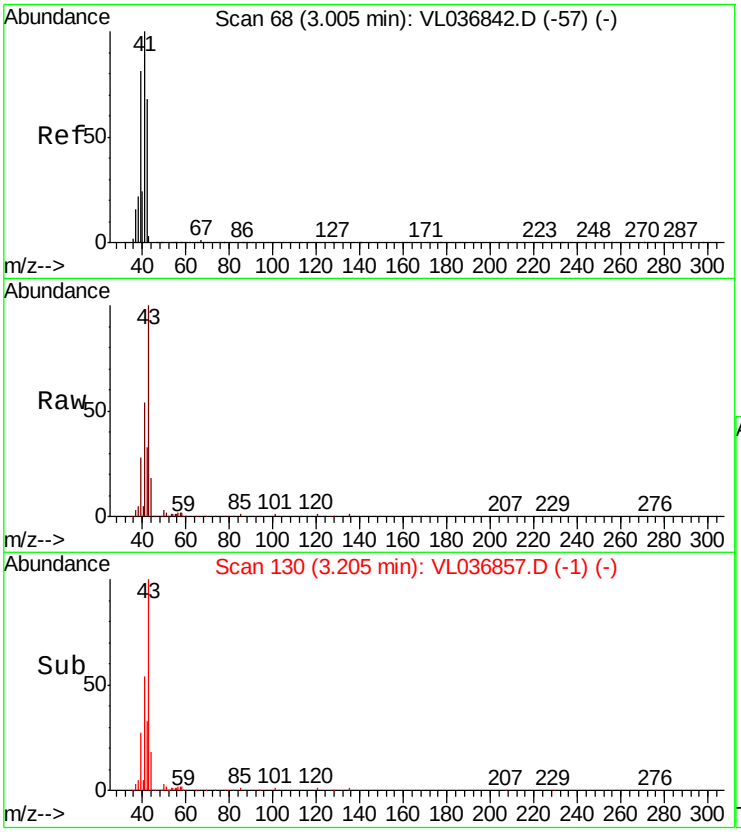


#4
Chloromethane
Concen: 0.440 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 50 Resp: 35908

Ion	Ratio	Lower	Upper
50	100		
52	29.3	28.5	42.7



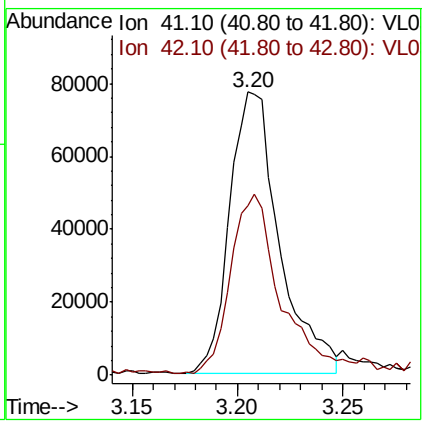


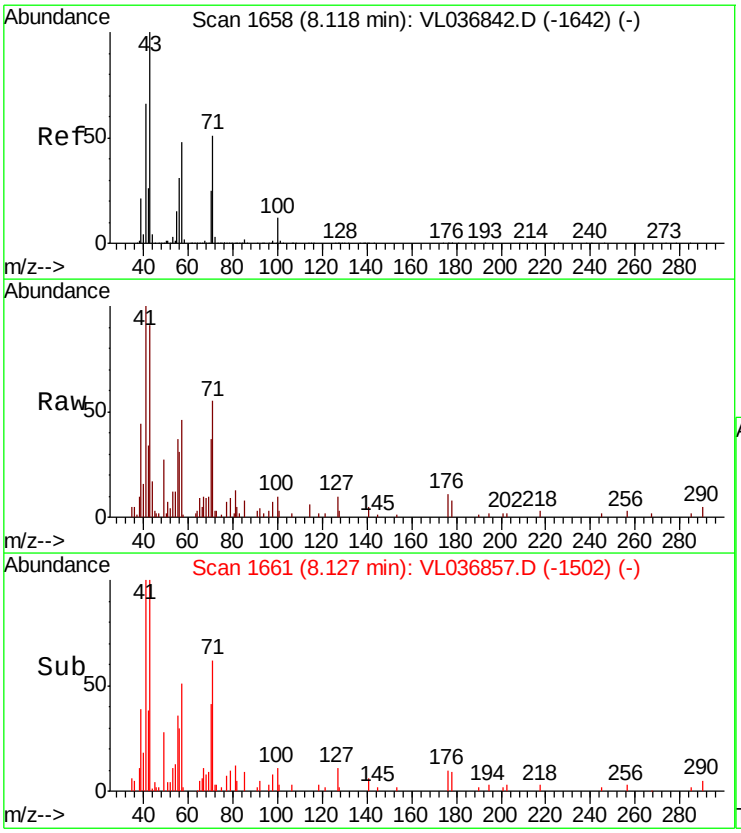
#9
Propene
Concen: 1.680 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 126984

Ion	Ratio	Lower	Upper
41	100		
42	73.3	56.0	84.0

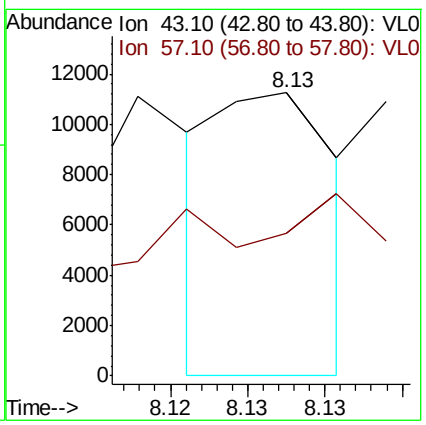


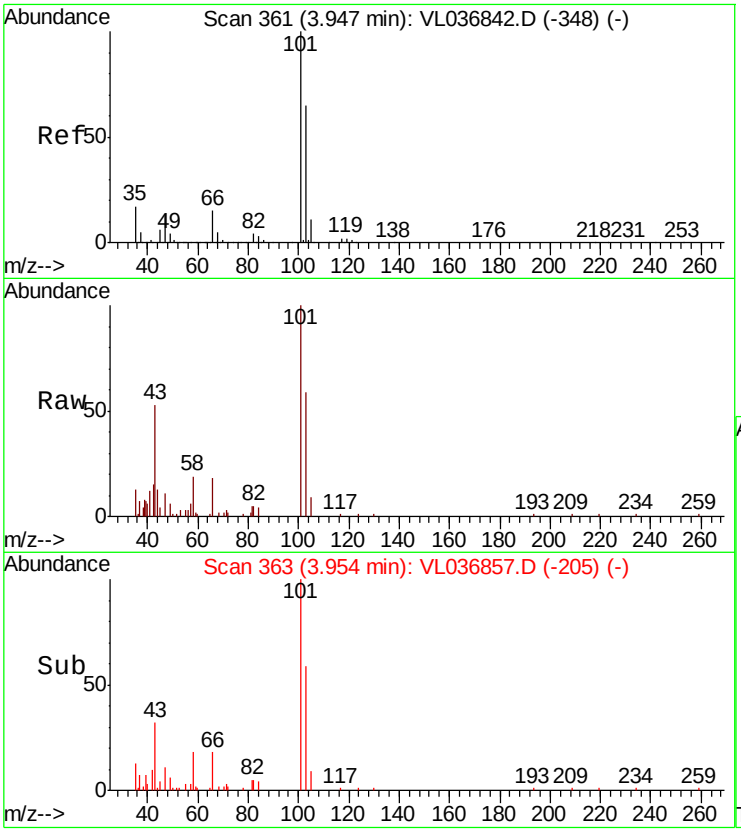


#10
Heptane
Concen: 0.031 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 43 Resp: 5949

Ion	Ratio	Lower	Upper
43	100		
57	0.0	38.8	58.2#



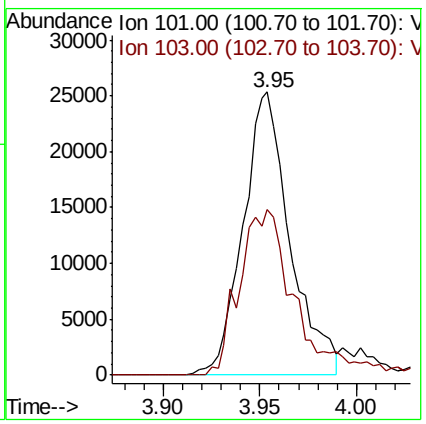


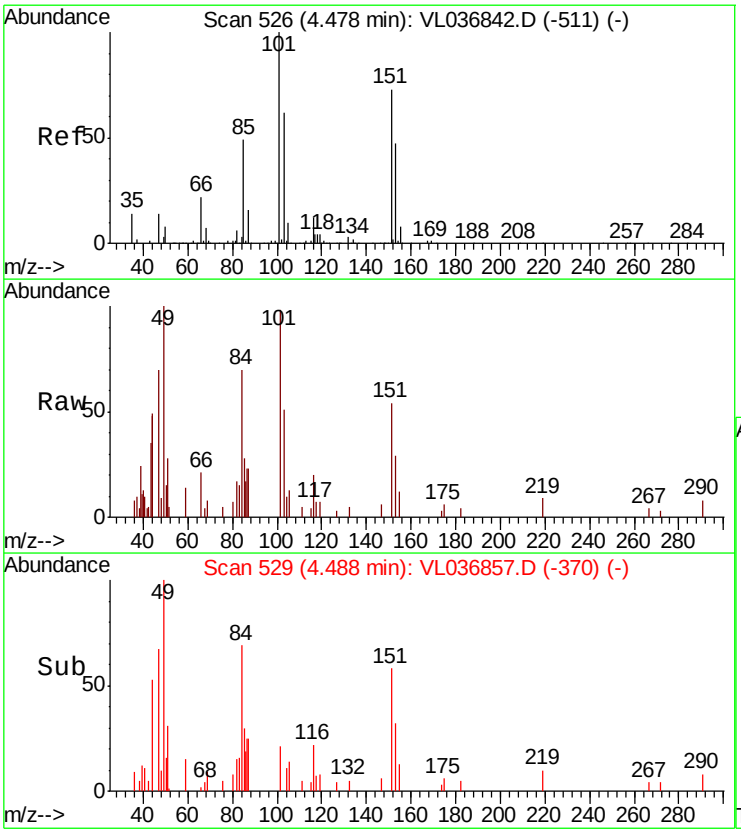
#11
Trichlorofluoromethane
Concen: 0.224 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 42948

Ion	Ratio	Lower	Upper
101	100		
103	58.6	51.6	77.4

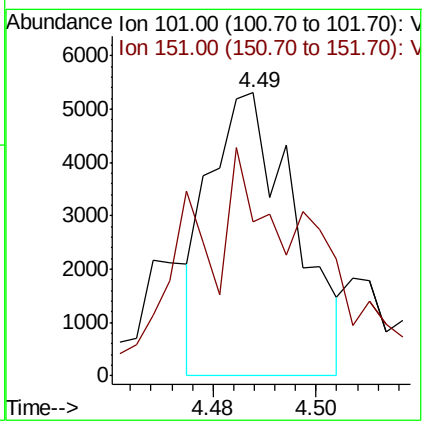


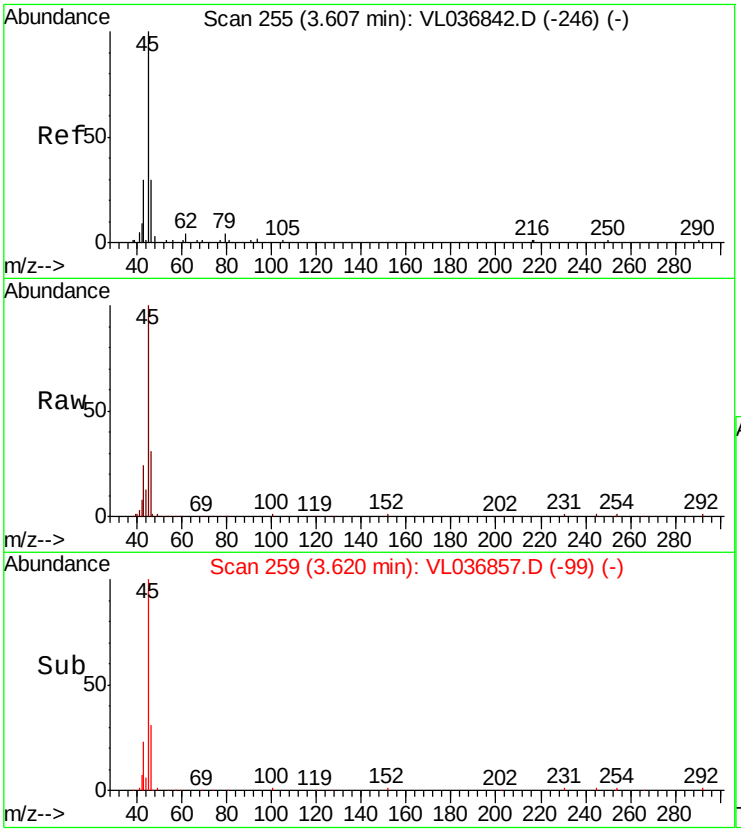


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.047 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion:101 Resp: 6054

Ion	Ratio	Lower	Upper
101	100		
151	126.0	61.1	91.7#



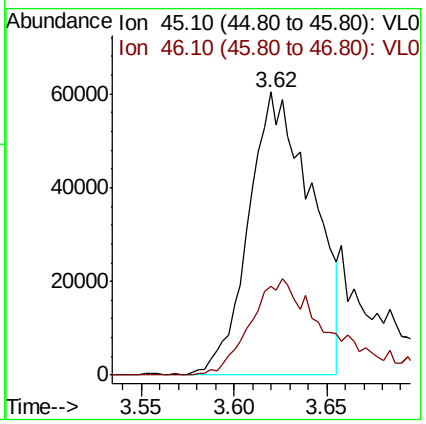


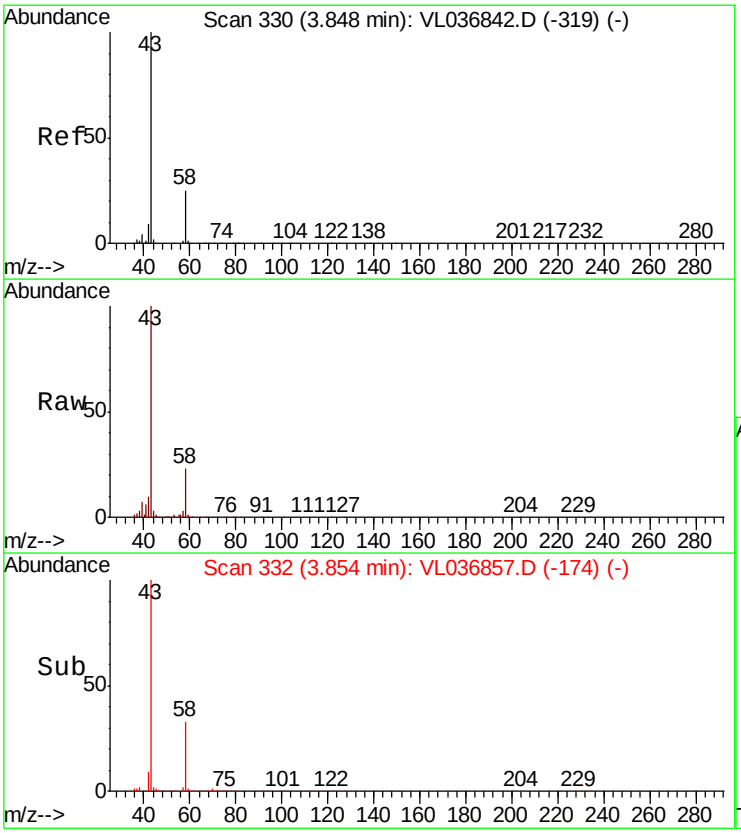
#13
Ethanol
Concen: 14.993 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 144557

Ion	Ratio	Lower	Upper
45	100		
46	46.6	16.8	67.4

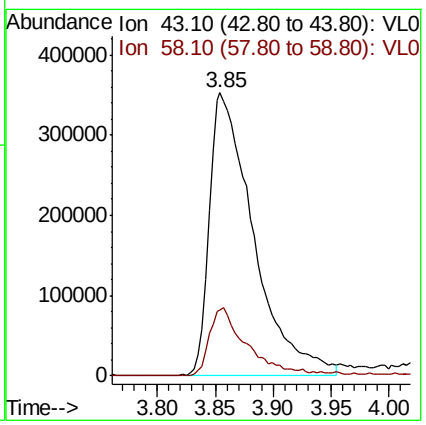


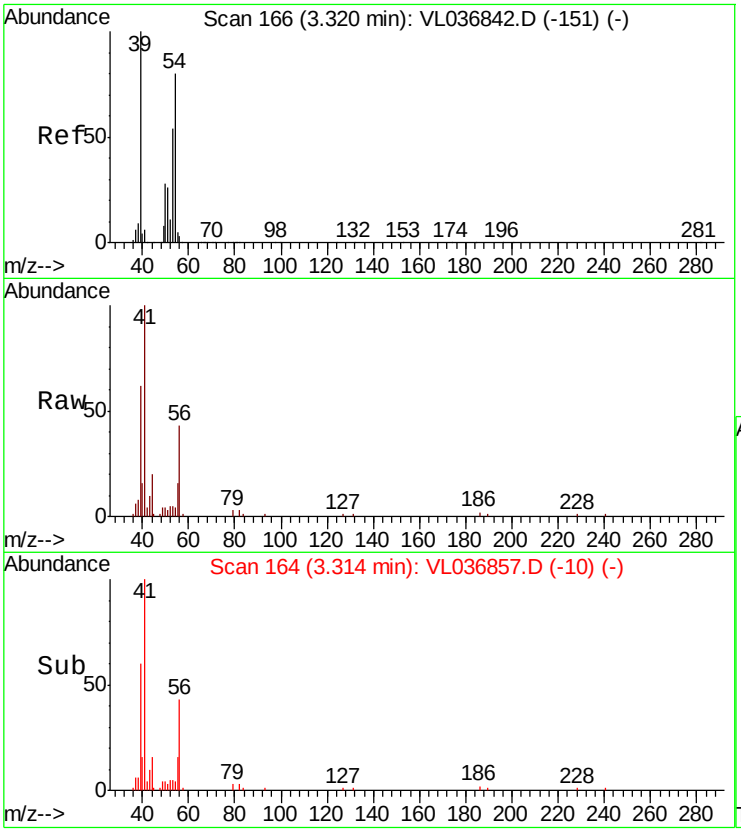


#15
Acetone
Concen: 7.243 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 43 Resp: 929884

Ion	Ratio	Lower	Upper
43	100		
58	21.6	21.7	32.5#



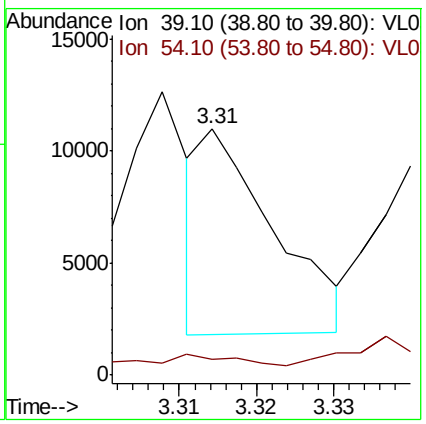


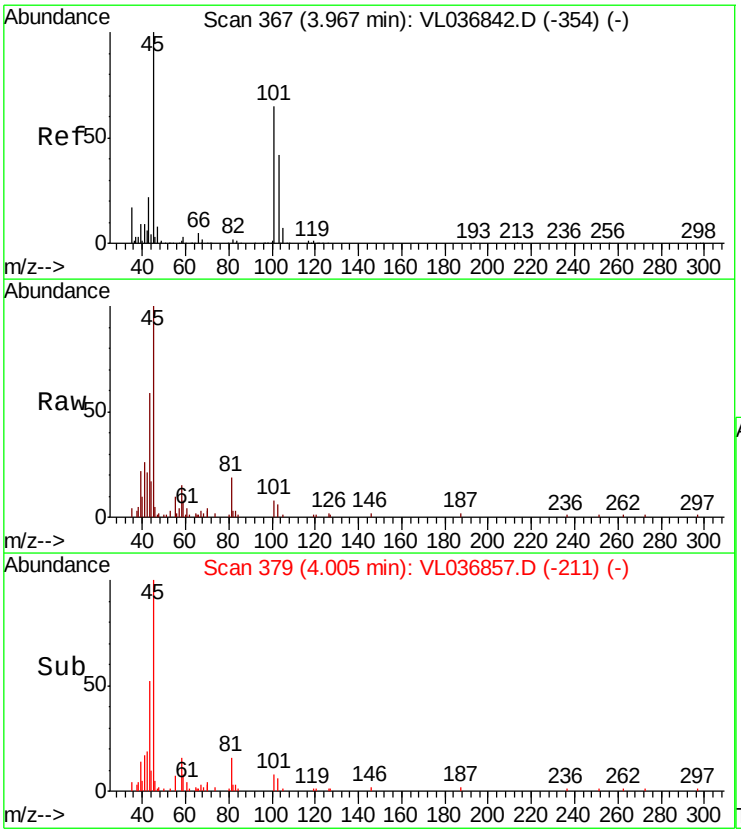
#16
1,3-Butadiene
Concen: 0.073 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 5984

Ion	Ratio	Lower	Upper
39	100		
54	0.0	59.6	89.4#

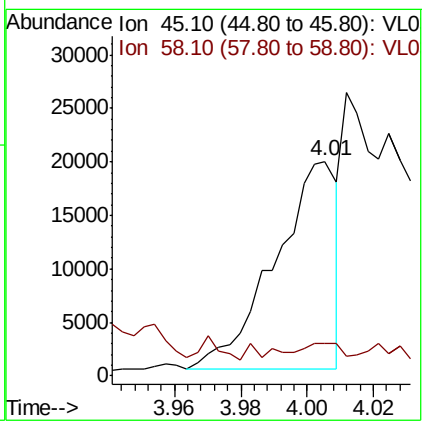


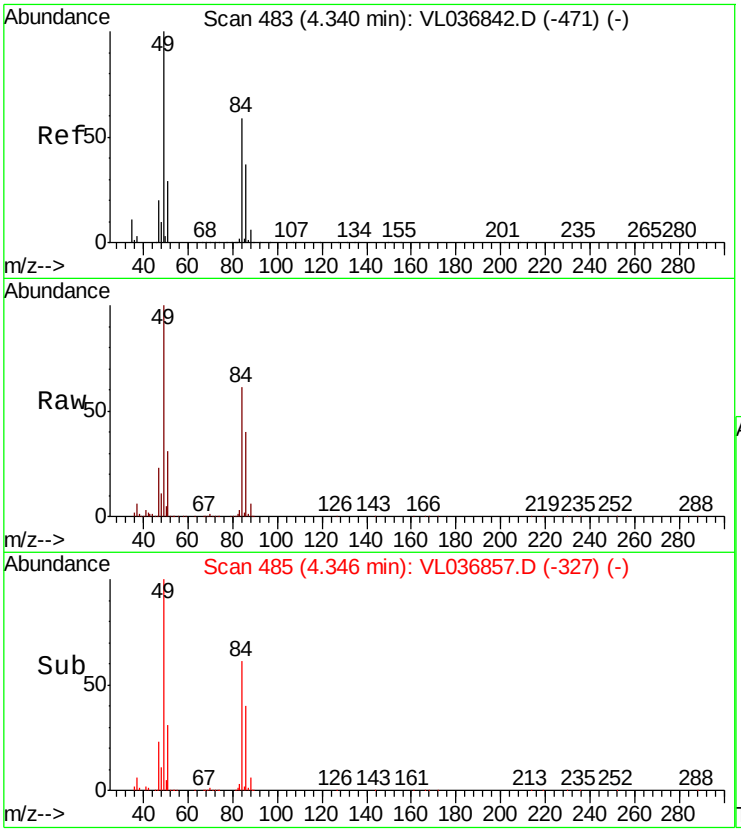


#19
Isopropyl Alcohol
Concen: 0.398 ppbv
RT: 4.01 min Scan# 379
Delta R.T. 0.04 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 45 Resp: 25295

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.8	4.2#



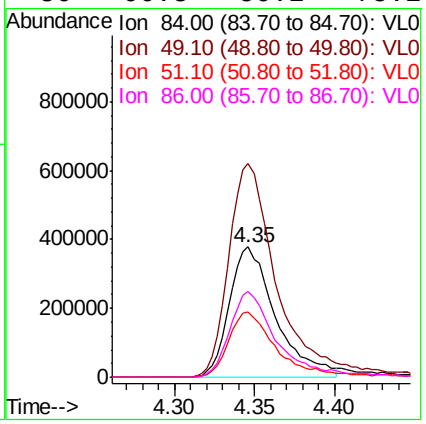


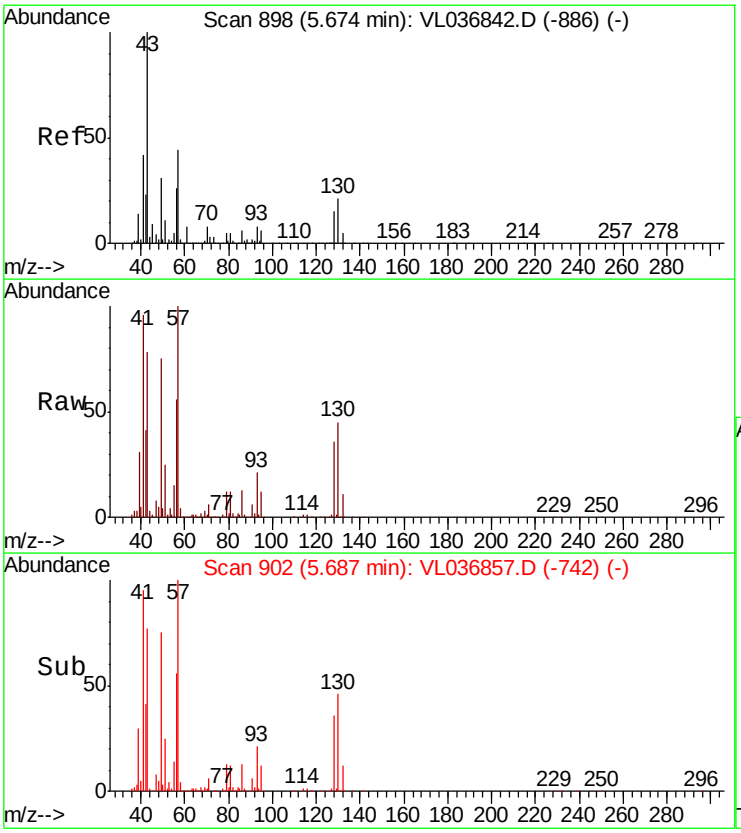
#20
Methylene Chloride
Concen: 12.176 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 747516

Ion	Ratio	Lower	Upper
84	100		
49	164.1	135.4	203.0
51	50.3	39.3	58.9
86	66.3	50.2	75.2

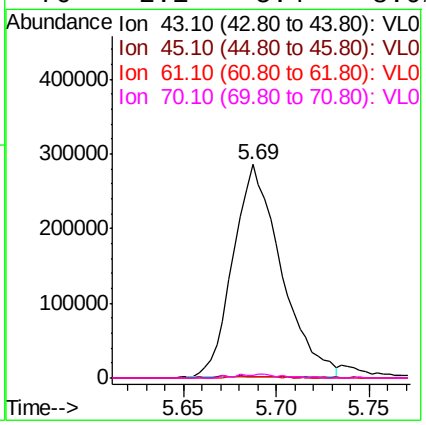


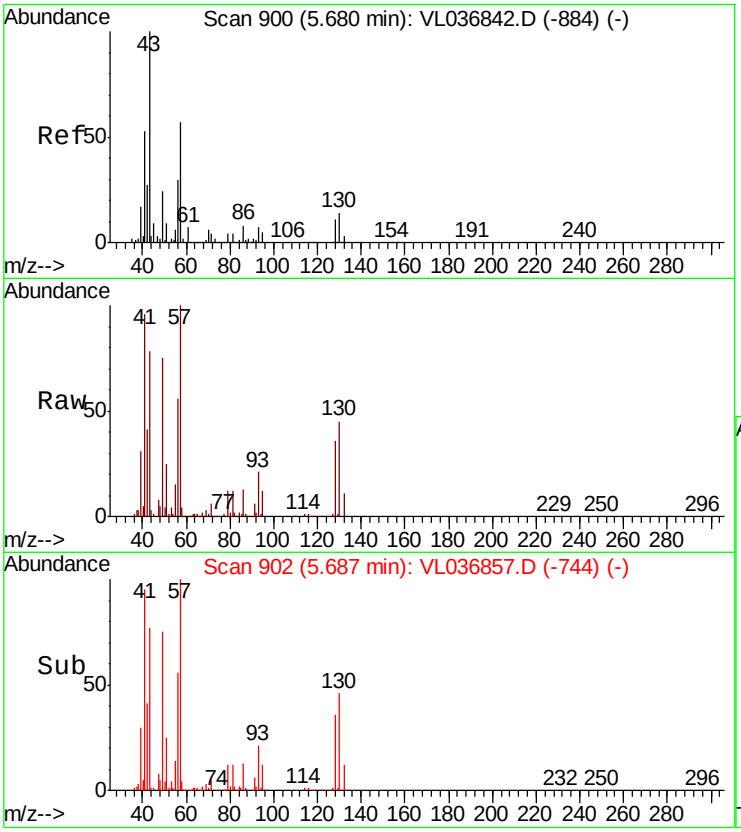


#25
Ethyl Acetate
Concen: 1.631 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 43 Resp: 511450

Ion	Ratio	Lower	Upper
43	100		
45	1.3	7.8	11.8#
61	0.9	7.4	11.0#
70	2.1	5.4	8.0#



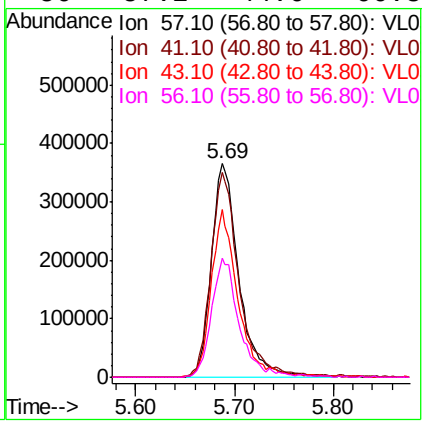


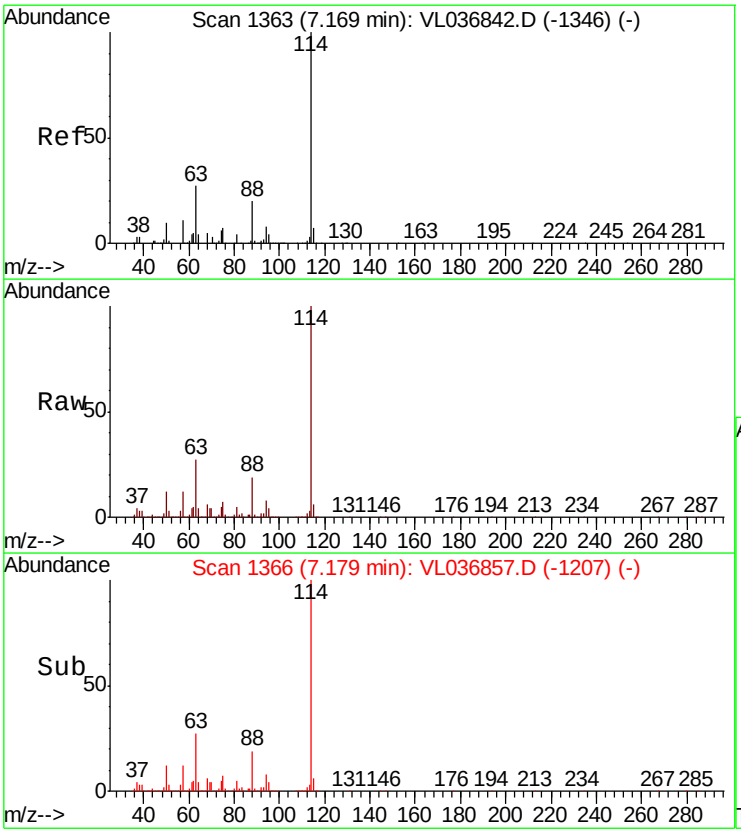
#26
Hexane
Concen: 4.812 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 706072

Ion	Ratio	Lower	Upper
57	100		
41	100.2	77.7	116.5
43	77.9	180.5	270.7#
56	57.2	44.6	66.8

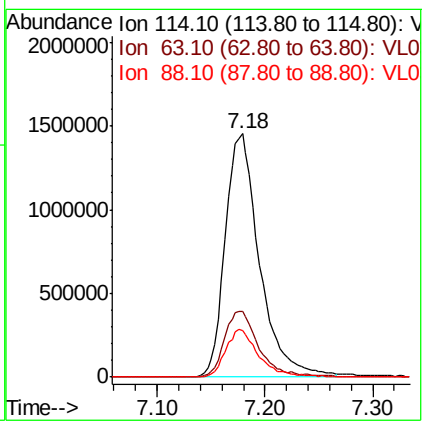


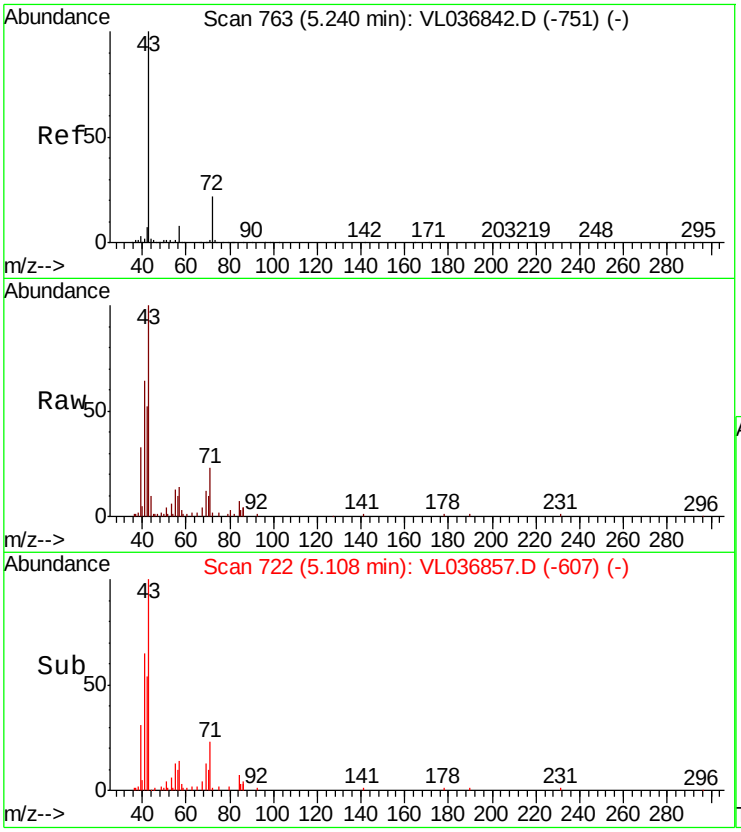


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion:114 Resp: 3225194

Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.9	32.9
88	19.1	15.1	22.7



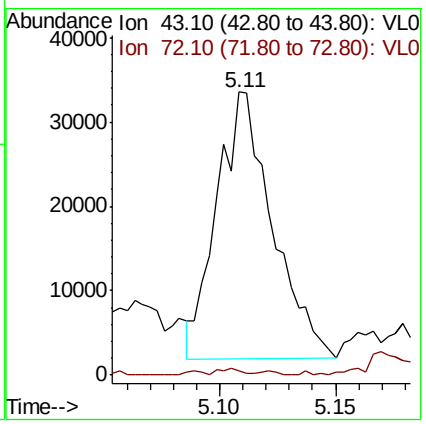


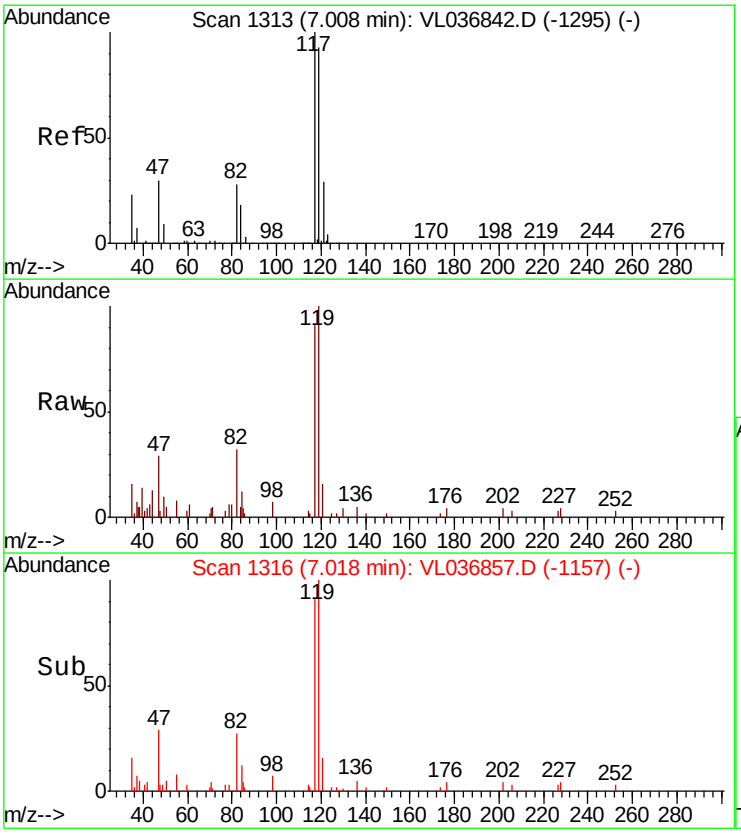
#34
2-Butanone
Concen: 0.373 ppbv
RT: 5.11
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 52650

Ion	Ratio	Lower	Upper
43	100		
72	2.0	17.6	26.4#

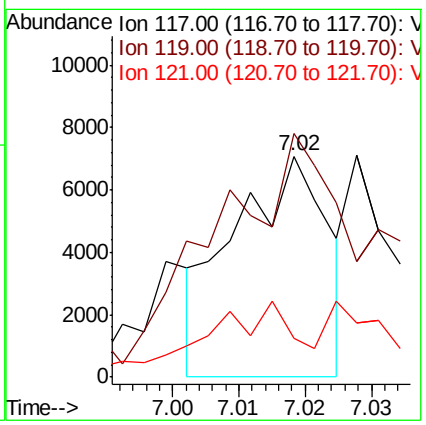


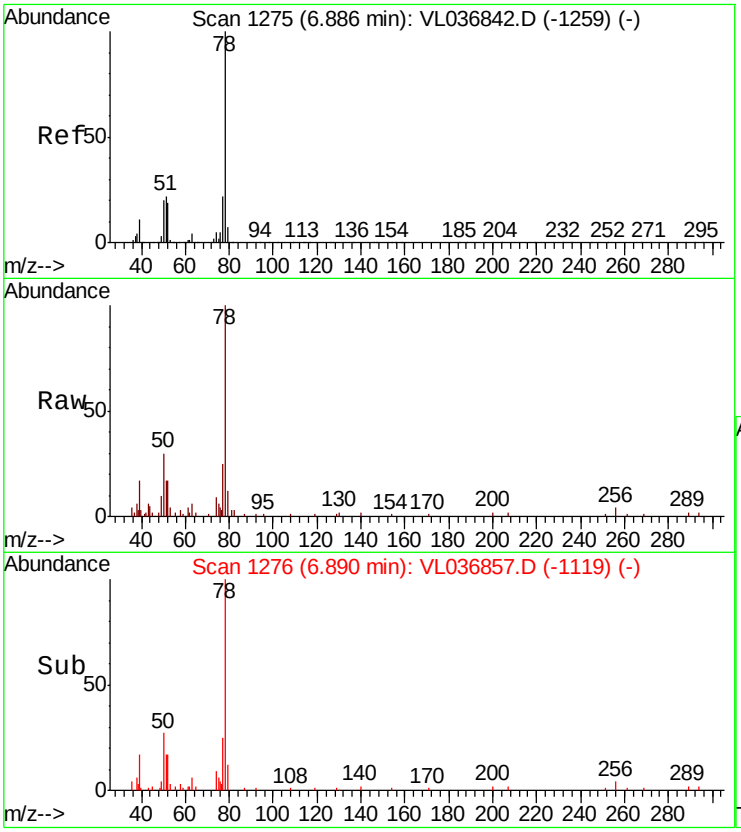


#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion:117 Resp: 6948

Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.6	111.8
121	7.9	23.3	34.9#



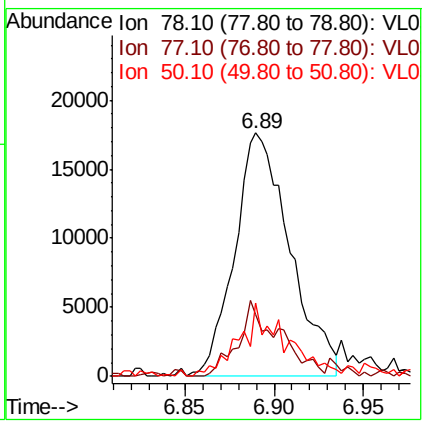


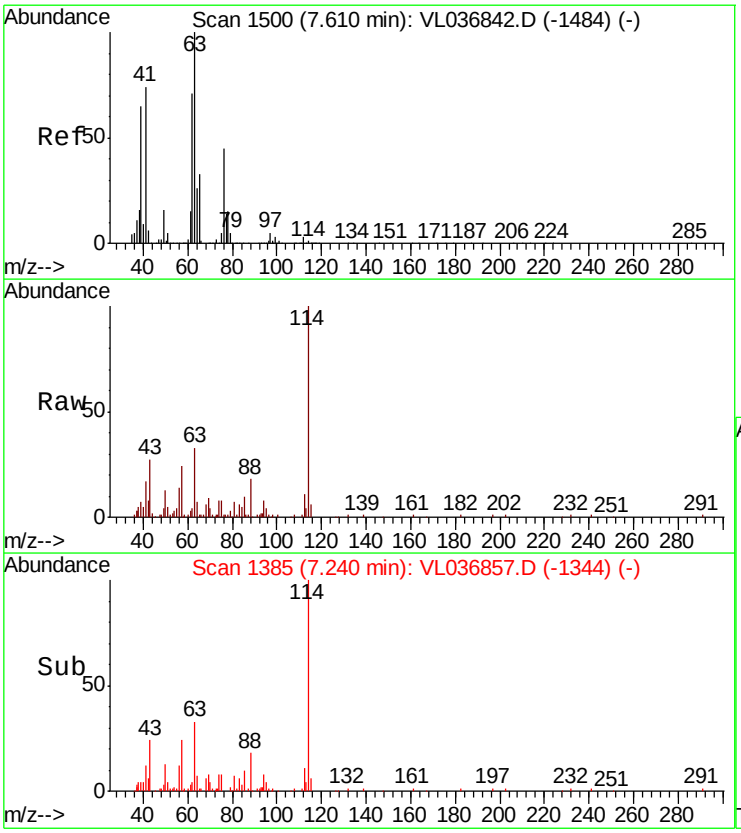
#36
Benzene
Concen: 0.140 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 38163

Ion	Ratio	Lower	Upper
78	100		
77	25.2	17.6	26.4
50	30.0	16.3	24.5#

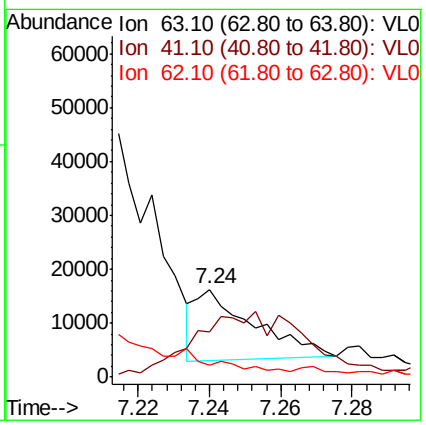


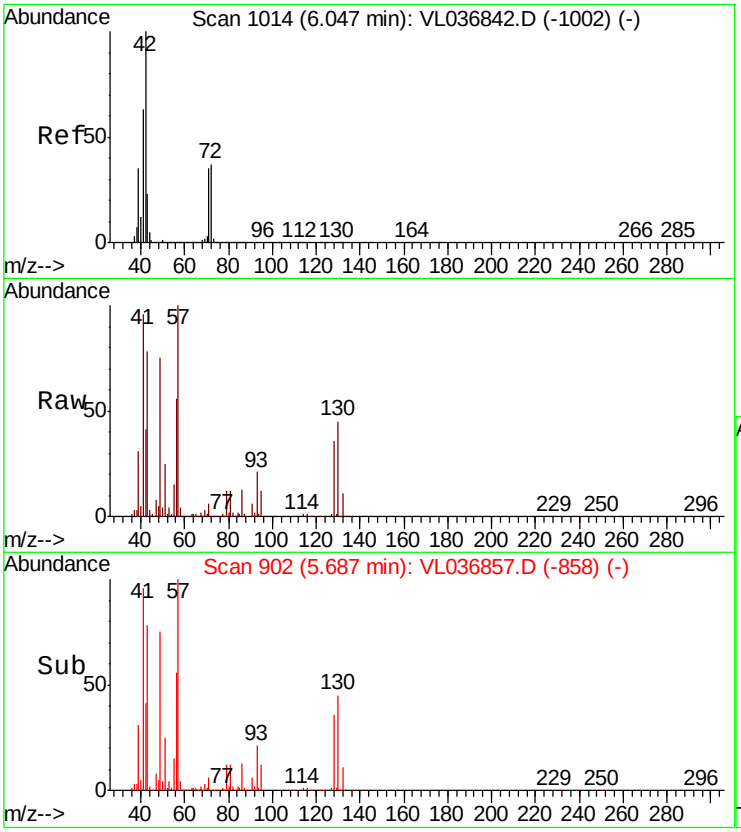


#39
1,2-Dichloropropane
Concen: 0.136 ppbv
RT: 7.24 min Scan# 1385
Delta R.T. -0.37 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 63 Resp: 14782

Ion	Ratio	Lower	Upper
63	100		
41	36.1	59.1	88.7#
62	8.3	56.9	85.3#



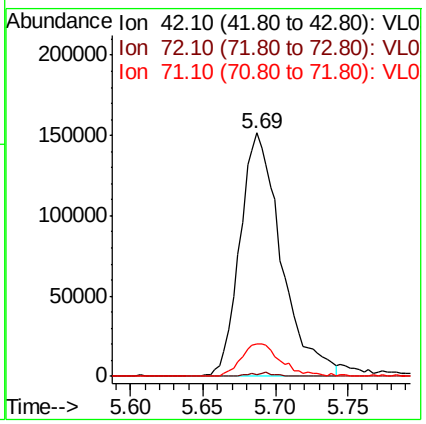


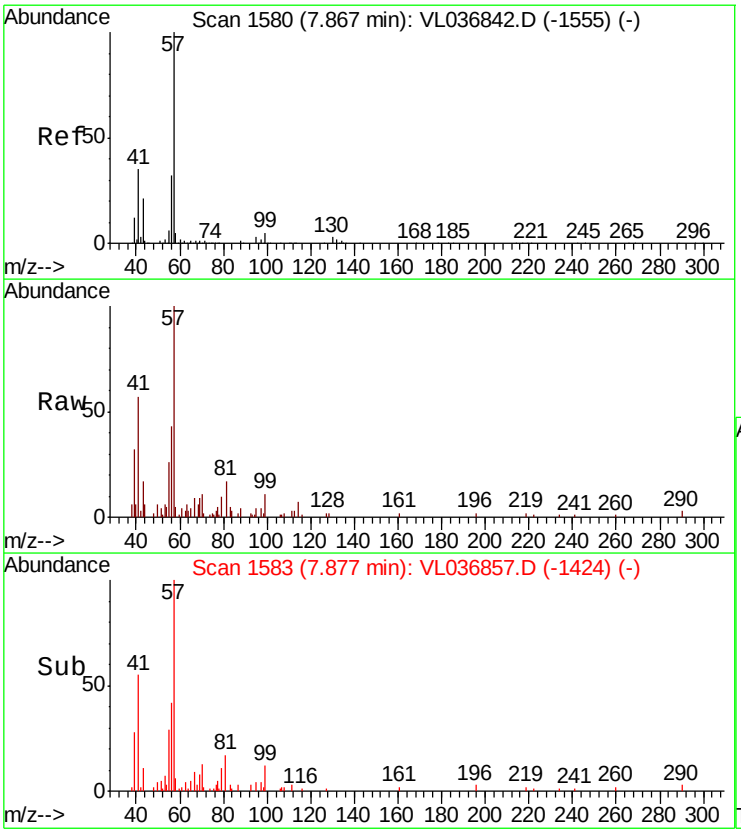
#41
Tetrahydrofuran
Concen: 4.874 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 42 Resp: 301205

Ion	Ratio	Lower	Upper
42	100		
72	1.0	29.7	44.5#
71	13.5	29.0	43.6#

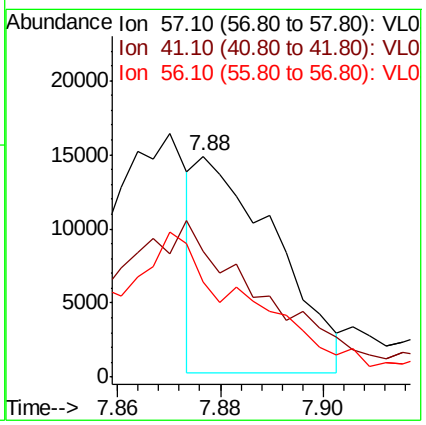


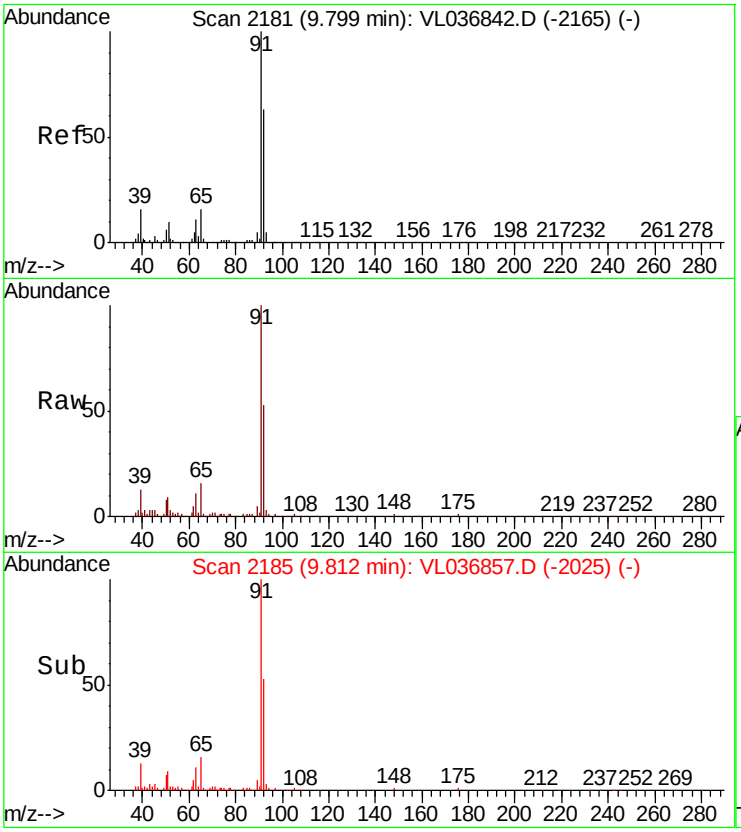


#44
2,2,4-Trimethylpentane
Concen: 0.033 ppbv
RT: 7.88 min Scan# 1583
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion: 57 Resp: 15485

Ion	Ratio	Lower	Upper
57	100		
41	162.7	28.2	42.4#
56	0.0	25.9	38.9#



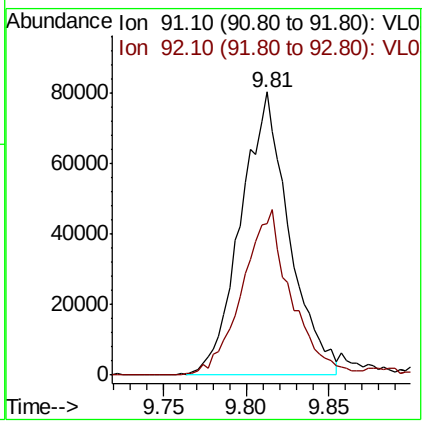


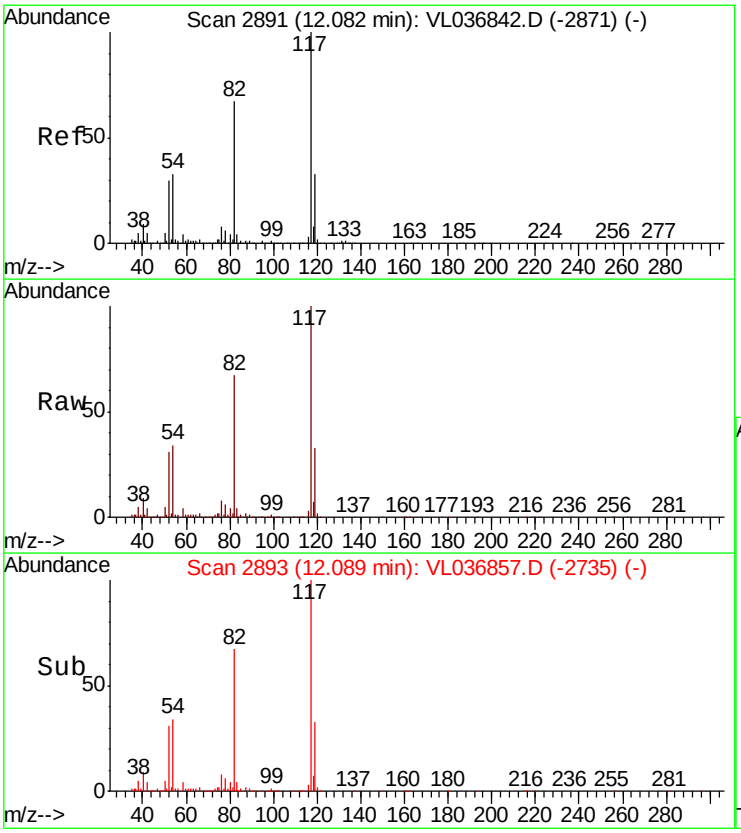
#53
Toluene
Concen: 0.574 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 163281

Ion	Ratio	Lower	Upper
91	100		
92	58.9	49.0	73.4

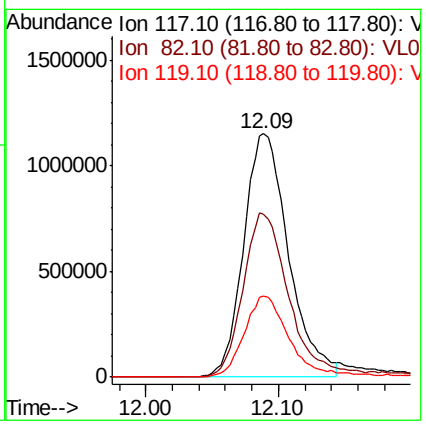


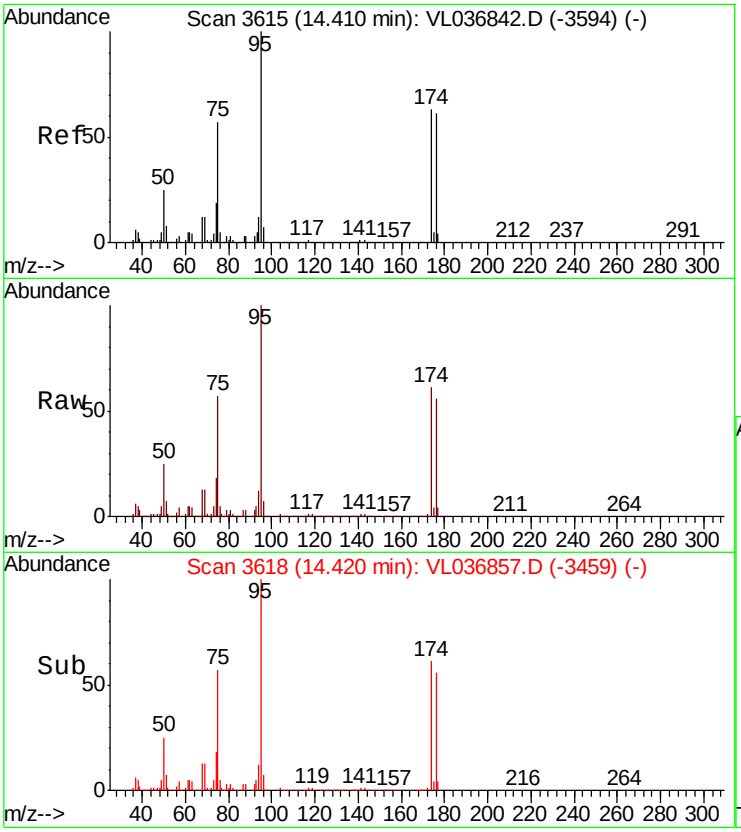


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.01 min
Lab File: VL036857.D
Acq: 27 Apr 2021 14:34

Tgt Ion:117 Resp: 2716140

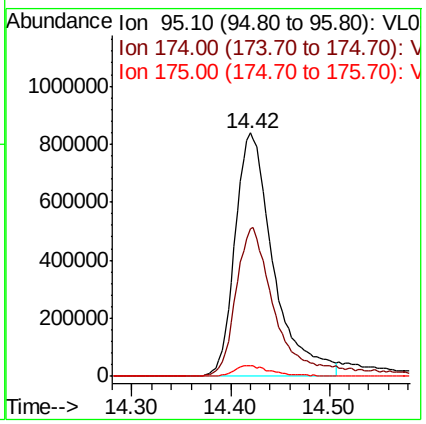
Ion	Ratio	Lower	Upper
117	100		
82	72.8	53.5	80.3
119	34.6	25.6	38.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.390 ppbv
RT: 14.42
Delta R.T
Lab File:
Acq: 27 Apr 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2265465

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.2	78.2
175	4.5	4.0	6.0