Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030321\

Quantitation Report (Not Reviewed)

Data File : VL036433.D
Acq On : 3 Mar 2021 9:33
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 03 10:37:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1709120	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4044251	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	4698278	10.00	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3199057	8.28	ppbv	0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 82.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	2071762	8.122	ppbv	99
3) Chlorodifluoromethane	2.99	51	1833035	8.632	ppbv	100
4) Chloromethane	3.14	50	924817	9.014	ppbv	95
5) Vinyl Chloride	3.26	62	891538	9.332	ppbv	98
6) Bromomethane	3.48	94	519630	9.151	ppbv	91
7) Chloroethane	3.56	64	324345	9.562	ppbv	97
8) Dichlorotetrafluoroethane	3.19	85	2113424	9.110	ppbv	97
9) Propene	3.01	41	841765	10.632	ppbv	100
10) Heptane	8.13	43	2162803	9.269	ppbv	99
11) Trichlorofluoromethane	3.95	101	2268332	9.082	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1452520	9.388	ppbv	99
13) Ethanol	3.62	45	143601	9.656	ppbv	97
14) Bromoethene	3.74	108	627722	9.694	ppbv	97
15) Acetone	3.85	43	1699439	8.134	ppbv	98
16) 1,3-Butadiene	3.33	39	886782	8.877	ppbv	100
17) tert-Butyl alcohol	4.30	59	1516639	9.352	ppbv	100
18) 1,1-Dichloroethene	4.29	96	629154	8.948	ppbv	96
19) Isopropyl Alcohol	3.97	45	1047359	9.049	ppbv	100
20) Methylene Chloride	4.35	84	542668	8.051	ppbv	98
21) Allyl Chloride	4.42	41	1079082	9.277	ppbv	96
22) trans-1,2-Dichloroethene	4.89	96	588991	9.222	ppbv	98
23) Vinyl Acetate	5.08	43	2299153	9.360	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1686290	9.282	ppbv	99
25) Ethyl Acetate	5.68	43	3664543	9.086	ppbv	99
26) Hexane	5.69	57	1481939	8.943	ppbv	99
27) Carbon Disulfide	4.55	76	1634775	10.734	ppbv	98
28) Methyl tert-Butyl Ether	5.04	73	2032426	9.389	ppbv	100
29) Chloroform	5.76	83	2382737	8.925	ppbv	99
30) Cyclohexane	7.14	84	1250693	9.075	ppbv	97
31) cis-1,2-Dichloroethene	5.56	61	1491899	9.098	ppbv	91
32) 1,1,1-Trichloroethane	6.52	97	2332922	9.347	ppbv	99
34) 2-Butanone	5.25	43	2250847	8.377	ppbv	100
35) Carbon Tetrachloride	7.02	117	2421234	8.933	ppbv	99
36) Benzene	6.90	78	3091452	8.999	ppbv	98
37) 1,2-Dichloroethane	6.31	62	1851044	8.715	ppbv	99
38) Trichloroethene	7.85	130	1092372	8.876	ppbv	93
39) 1,2-Dichloropropane	7.62	63	1206038	8.642	ppbv	97
40) 1,4-Dioxane	7.84	88	406070	8.398	ppbv #	1
41) Tetrahydrofuran	6.06	42	1393665	9.294	ppbv	98
42) Bromodichloromethane	7.80	83	2590522	9.106	ppbv	100
43) Methyl Methacrylate	8.02	69	1357033	9.366	ppbv	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030321\

Quantitation Report (Not Reviewed)

Data File : VL036433.D
Acq On : 3 Mar 2021 9:33
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Mar 03 10:37:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.88	57	5283152	8.457	ppbv		99
45) t-1,3-Dichloropropene	9.29	75	1445145	10.340	ppbv		98
46) cis-1,3-Dichloropropene	8.71	75	1771880	9.980	ppbv		98
47) 1,1,2-Trichloroethane	9.48	97	1257867	8.807	ppbv		97
48) Dibromochloromethane	10.31	129	2099504	9.851	ppbv		99
49) Bromoform	13.05	173	1745462	10.131	ppbv		99
50) 4-Methyl-2-Pentanone	8.75	43	3589018	8.997	ppbv		100
51) 2-Hexanone	10.14	43	2924103	9.647	ppbv	#	98
52) Tetrachloroethene	11.23	164	1042694	8.291	ppbv		97
53) Toluene	9.81	91	3476776	9.343	ppbv		99
54) 1,2-Dibromoethane	10.62	107	1866263	9.042	ppbv		96
56) 1,1,1,2-Tetrachloroethane	12.14	131	1571640	7.273	ppbv		98
57) Chlorobenzene	12.16	112	2546640	7.016	ppbv		98
58) Ethyl Benzene	12.72	91	4714952	7.329	ppbv		98
59) m/p-Xylene	13.01	91	4009952	7.096	ppbv	#	29
60) o-Xylene	13.70	91	3815275	7.061	ppbv		100
61) Styrene	13.54	104	2716044	8.111	ppbv		98
62) Isopropylbenzene	14.68	105	5652542	6.979	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.69	83	2719424	6.379	ppbv		100
64) n-propylbenzene	15.57	120	1479633	7.423	ppbv		96
65) tert-Butylbenzene	16.76	119	4873490	7.033	ppbv		97
66) Benzyl Chloride	17.00	91	1807012	9.592	ppbv		100
67) sec-Butylbenzene	17.31	105	6854809	6.859	ppbv		98
69) p-Isopropyltoluene	17.67	119	5633205	7.294	ppbv		99
70) n-Butylbenzene	18.56	91	5830527	7.040	ppbv		99
71) 2-Chlorotoluene	15.46	91	4450363	7.168	ppbv		98
72) 4-Ethyltoluene	15.85	105	4408997	7.333	ppbv		99
73) 1,3,5-Trimethylbenzene	16.01	105	4154484	7.128	ppbv		99
74) 1,2,4-Trimethylbenzene	16.78	105	4202188	7.062	ppbv		96
75) 1,3-Dichlorobenzene	17.01	146	2327986	7.208	ppbv		99
76) 1,4-Dichlorobenzene	17.15	146	2278978	6.795	ppbv		97
77) 1,2-Dichlorobenzene	17.83	146	2256792	7.043	ppbv		99
78) Hexachloro-1,3-Butadiene	23.39	225	1576276	6.022	ppbv		98
79) Naphthalene	22.22	128	1403952	3.980	ppbv		98
80) Naphthalene,2-methyl-	24.99	142	837475	12.823	ppbv		94
81) 1,2,4-Trichlorobenzene	21.95	180	1520445	7.065	ppbv		98

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

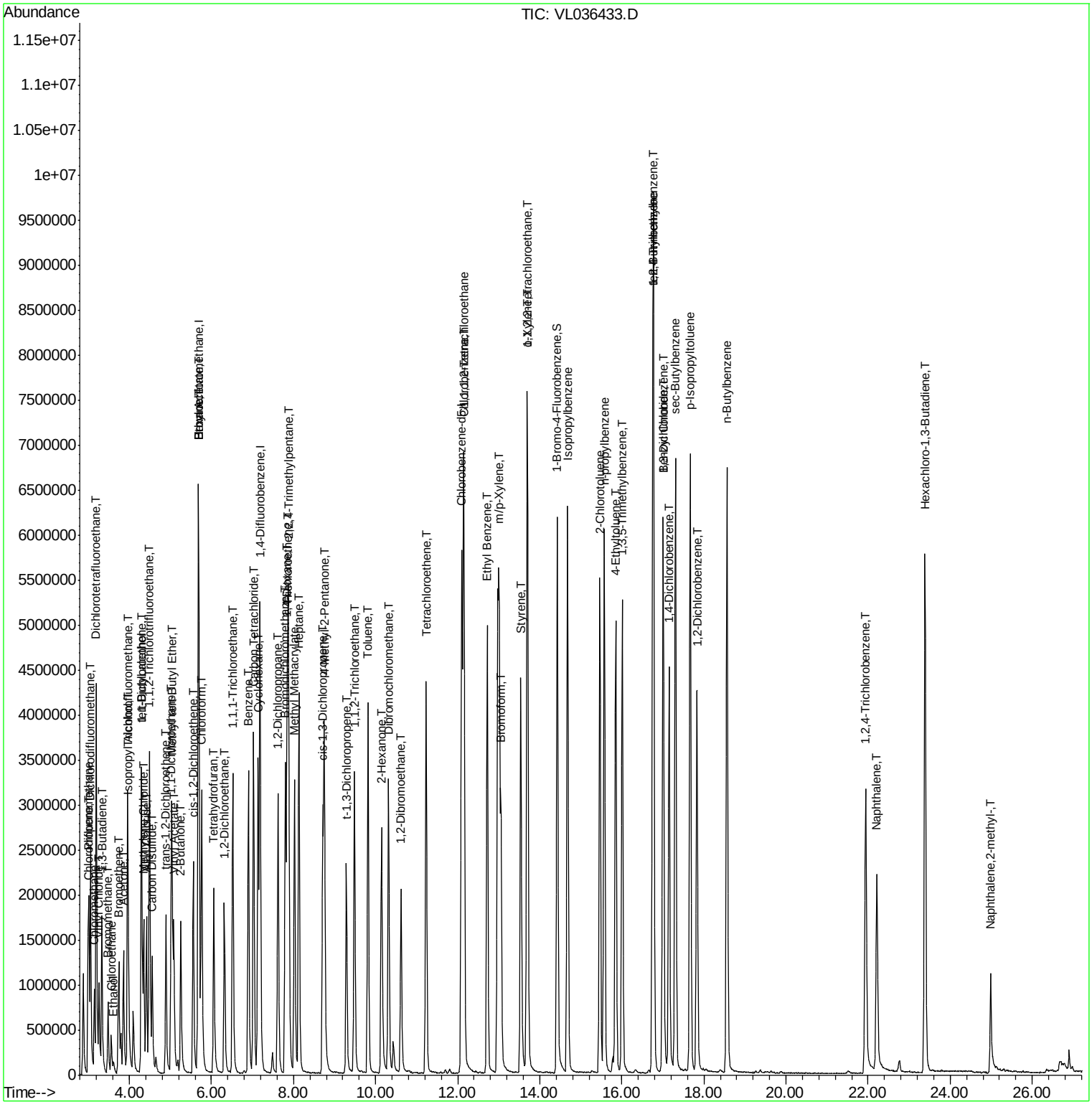
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030321\

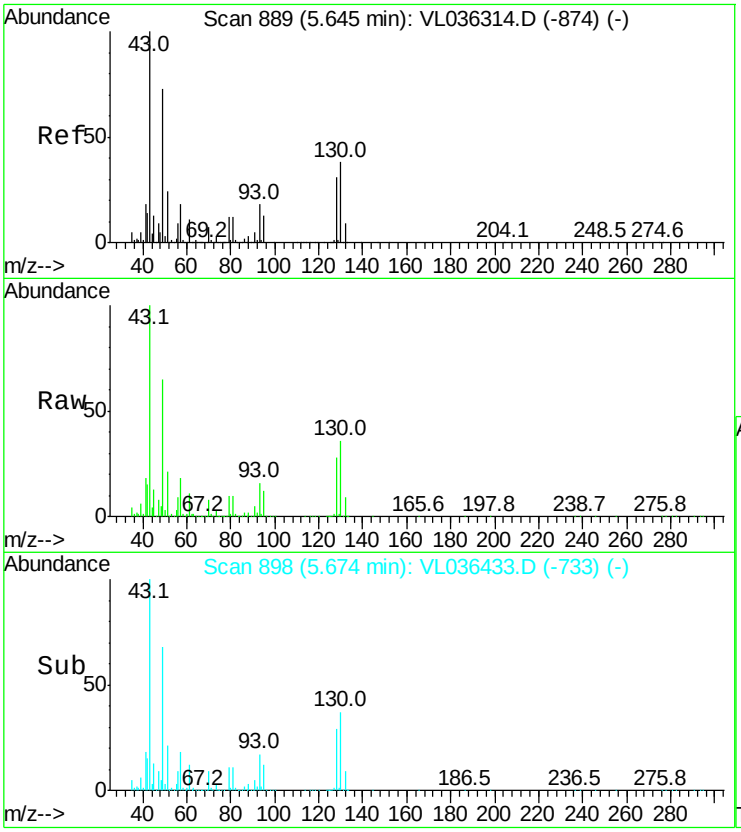
Quantitation Report (Not Reviewed)

Data File : VL036433.D
Acq On : 3 Mar 2021 9:33
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Mar 03 10:37:20 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration



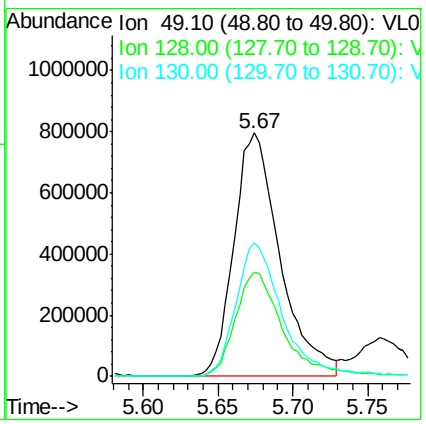


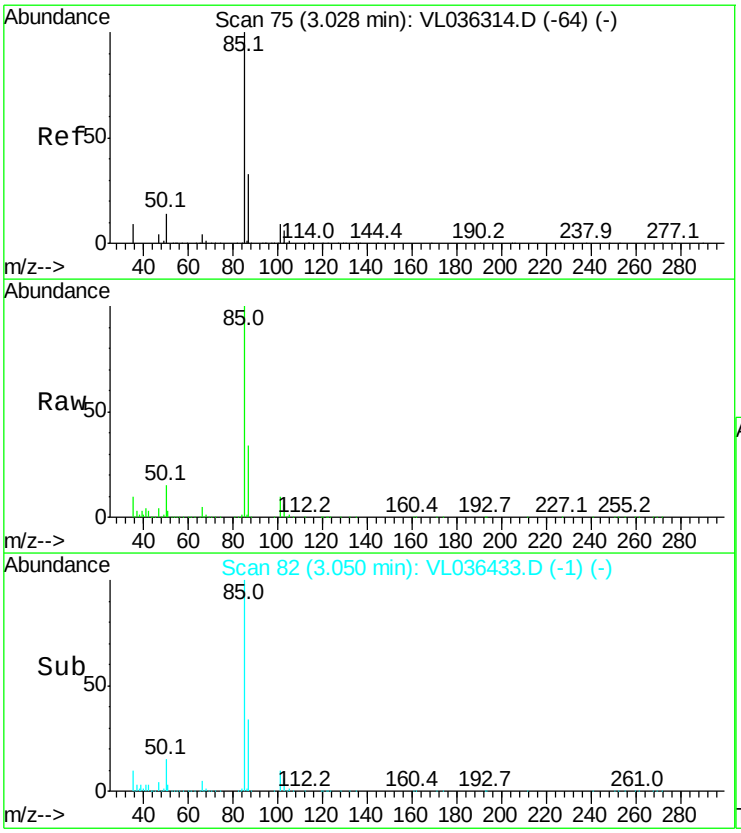
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1709120

Ion	Ratio	Lower	Upper
49	100		
128	44.8	20.8	62.5
130	56.0	26.7	80.1

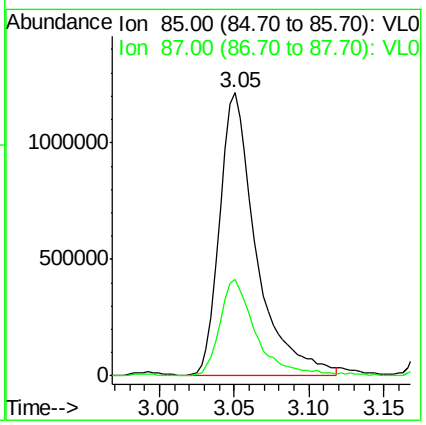


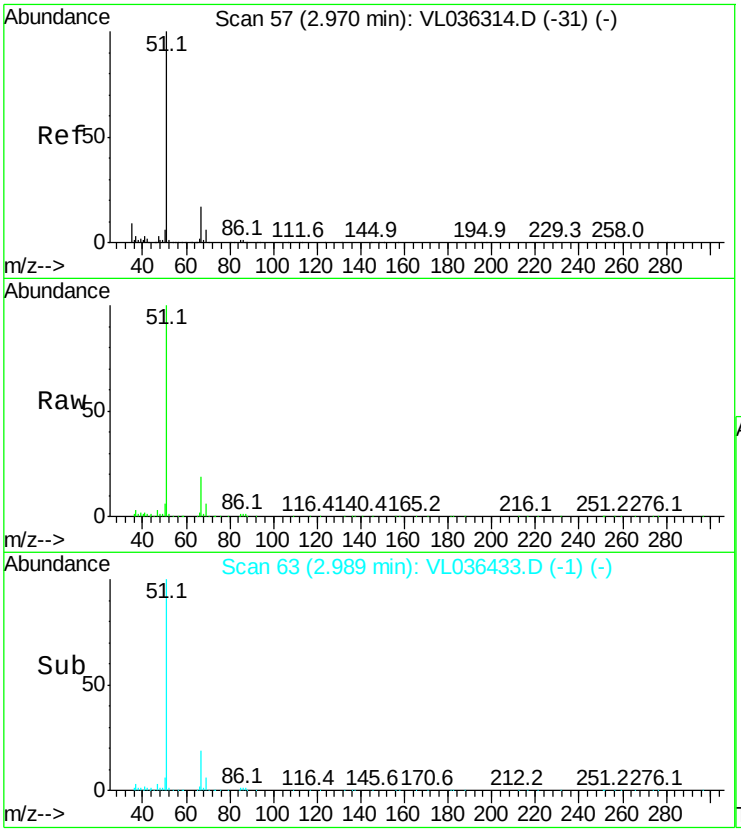


#2
Dichlorodifluoromethane
Concen: 8.122 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 85 Resp: 2071762

Ion	Ratio	Lower	Upper
85	100		
87	33.9	26.5	39.7



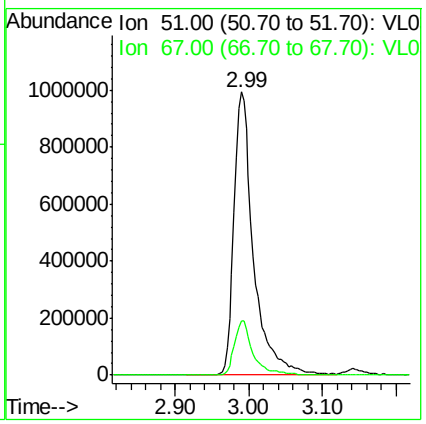


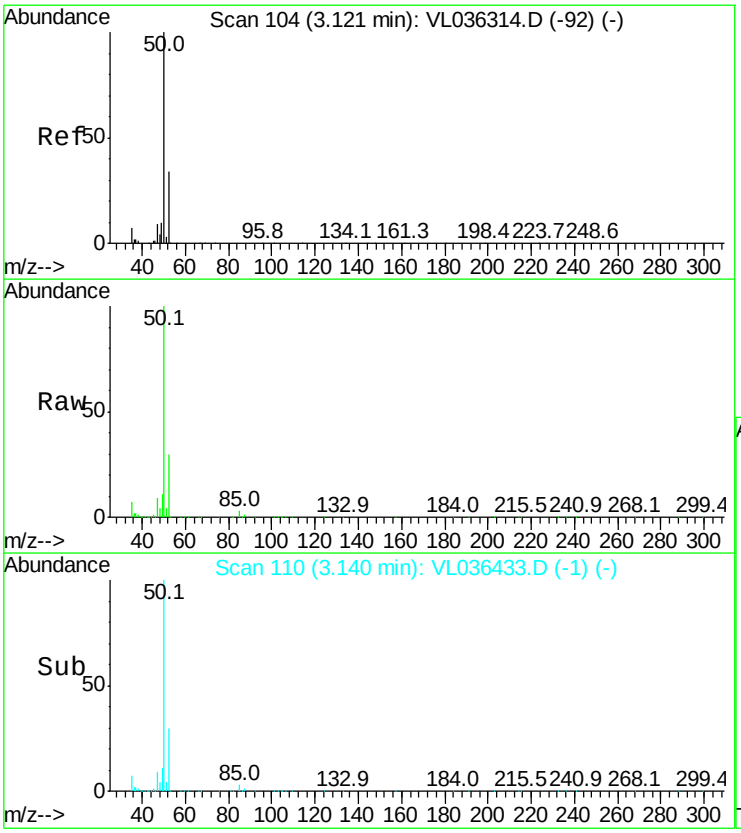
#3
Chlorodifluoromethane
Concen: 8.632 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 1833035

Ion	Ratio	Lower	Upper
51	100		
67	18.5	14.7	22.1

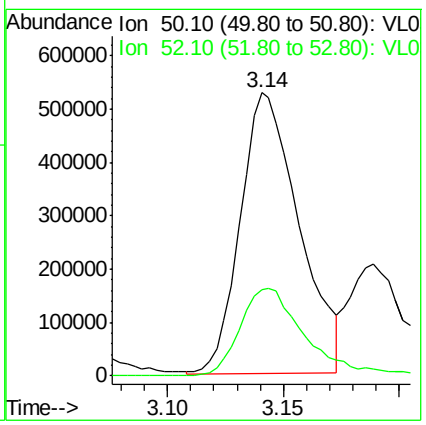


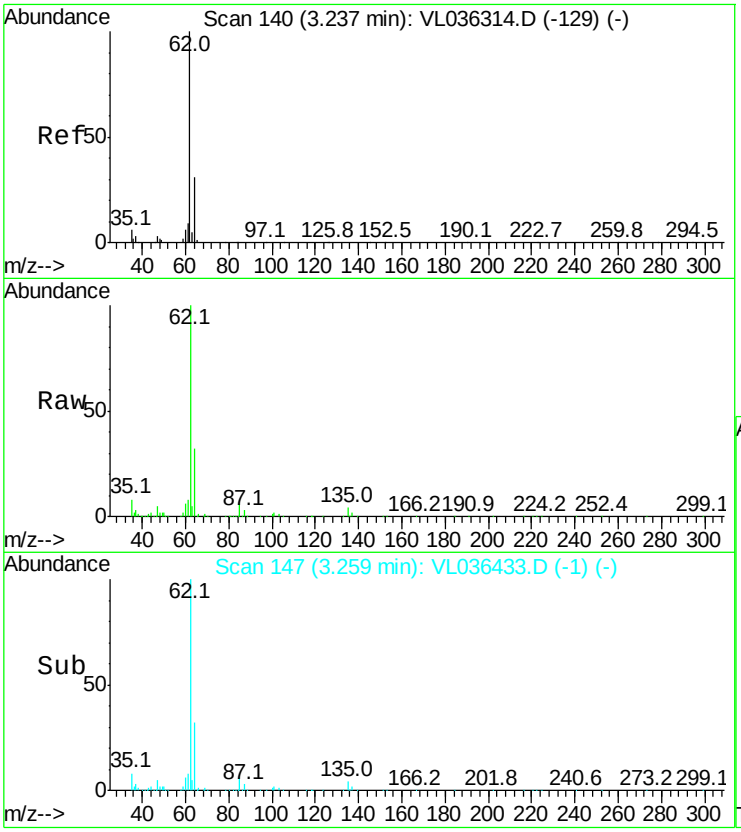


#4
Chloromethane
Concen: 9.014 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 50 Resp: 924817

Ion	Ratio	Lower	Upper
50	100		
52	30.7	27.0	40.4



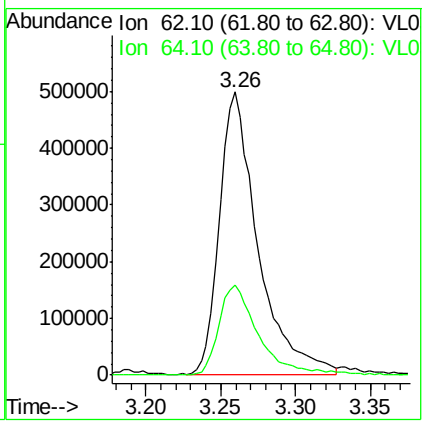


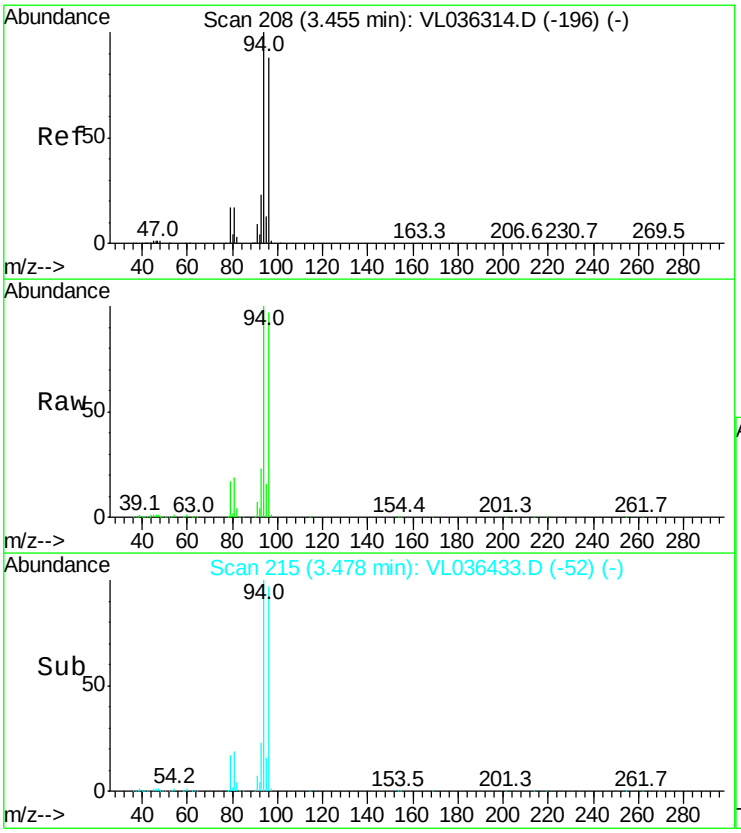
#5
Vinyl Chloride
Concen: 9.332 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 891538

Ion	Ratio	Lower	Upper
62	100		
64	31.8	24.4	36.6

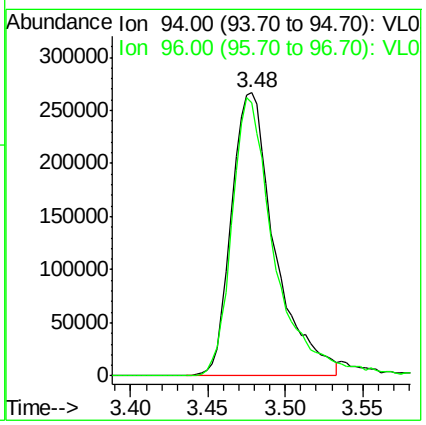


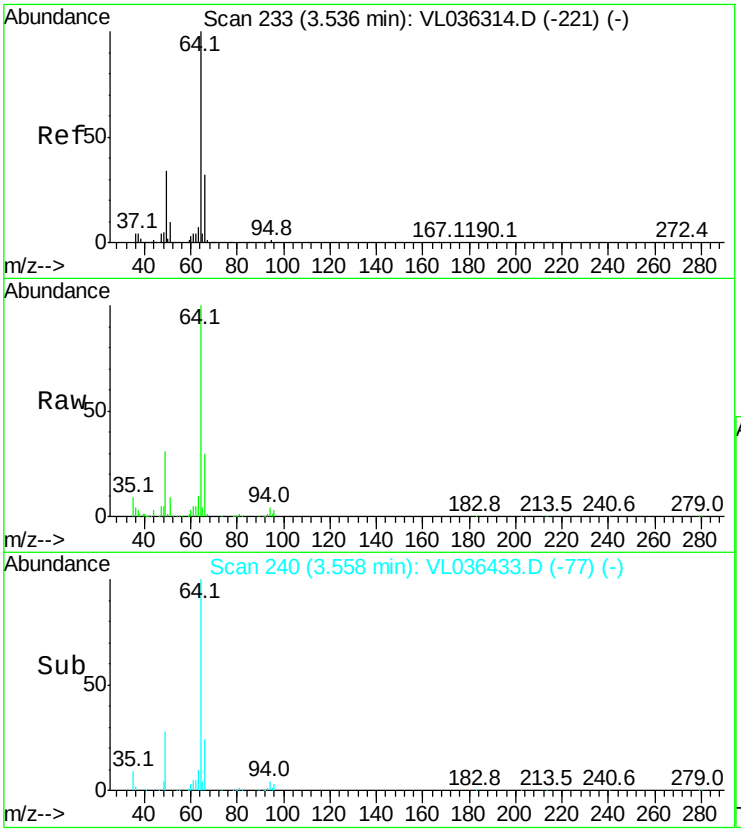


#6
Bromomethane
Concen: 9.151 ppbv
RT: 3.48 min Scan# 215
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 94 Resp: 519630

Ion	Ratio	Lower	Upper
94	100		
96	96.6	70.8	106.2



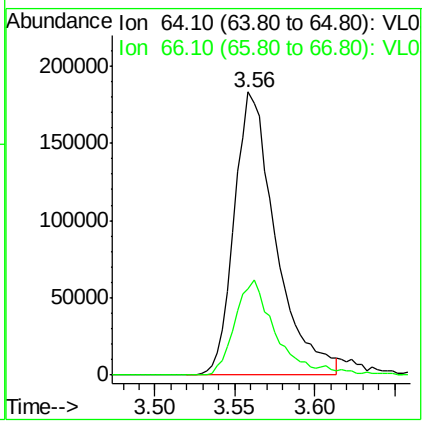


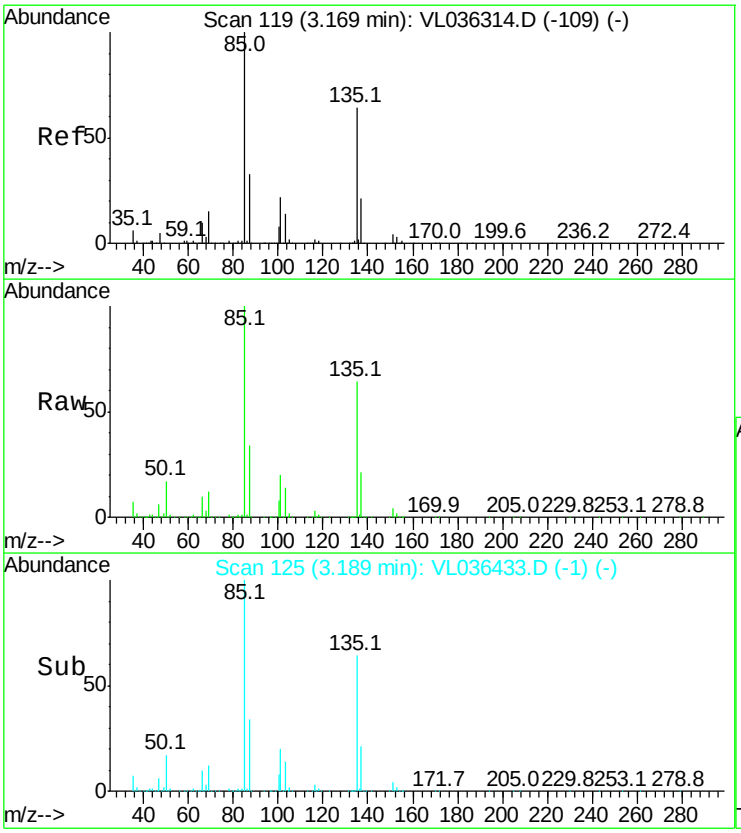
#7
Chloroethane
Concen: 9.562 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 324345

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.6	38.4

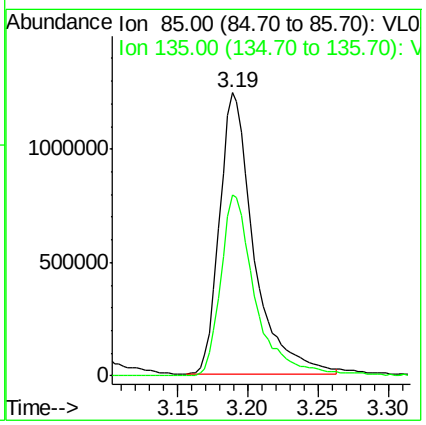


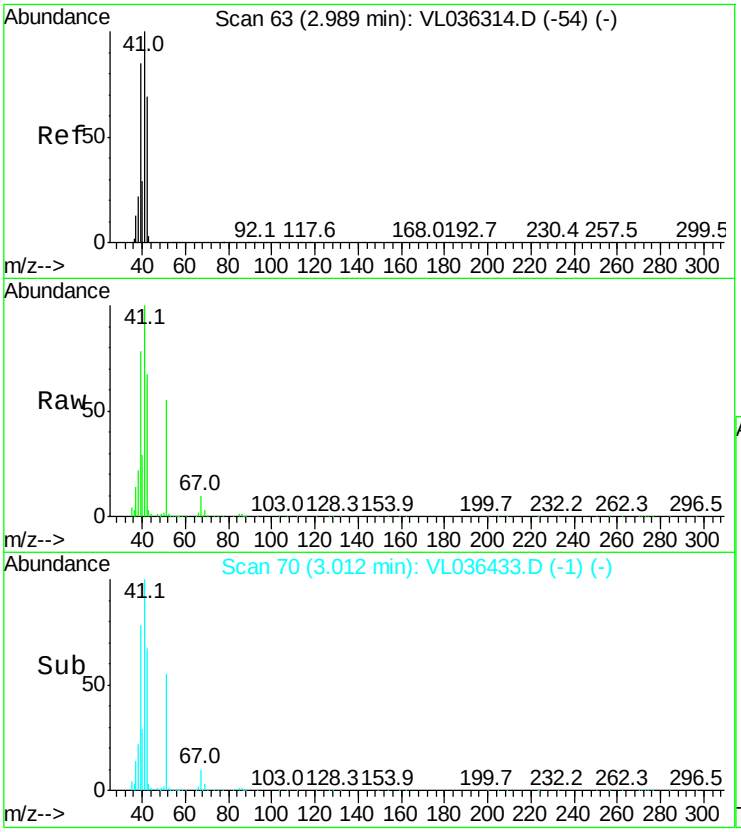


#8
Dichlorotetrafluoroethane
Concen: 9.110 ppbv
RT: 3.19 min Scan# 125
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 85 Resp: 2113424

Ion	Ratio	Lower	Upper
85	100		
135	66.0	51.1	76.7



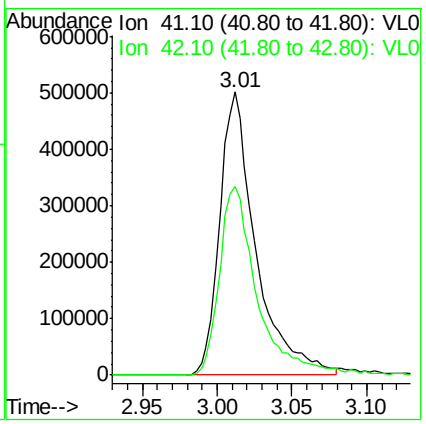


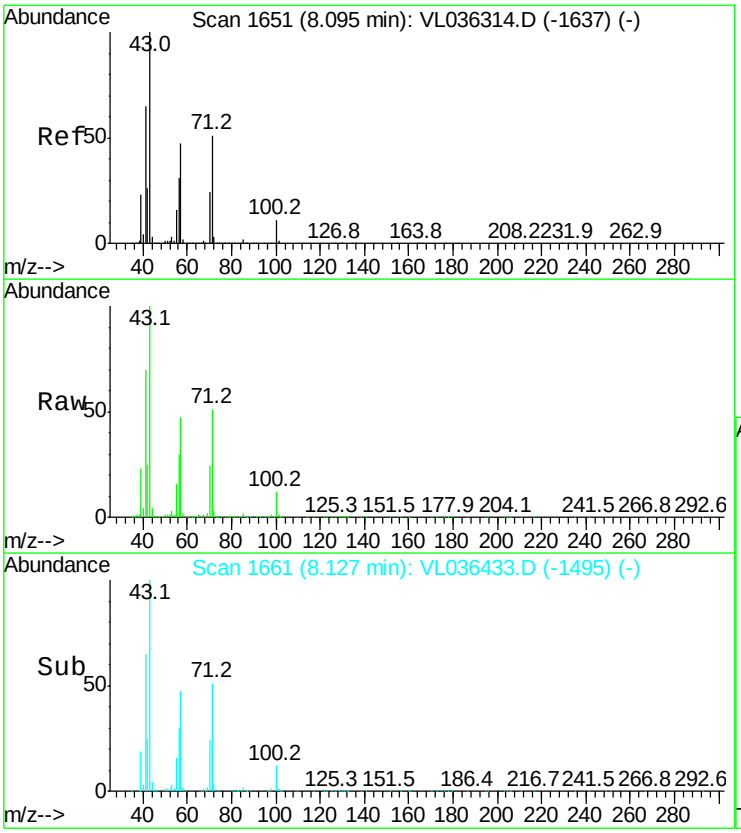
#9
Propene
Concen: 10.632 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 841765

Ion	Ratio	Lower	Upper
41	100		
42	70.3	56.2	84.2

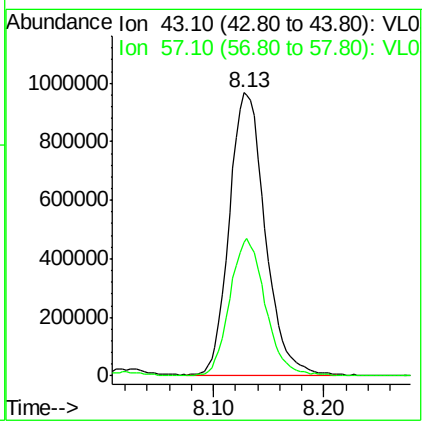


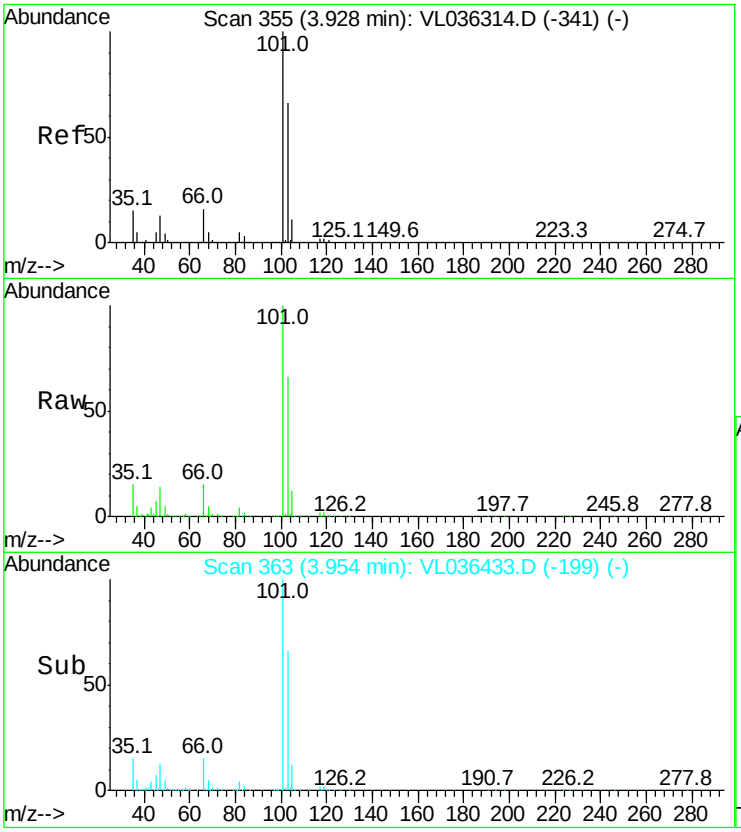


#10
Heptane
Concen: 9.269 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 43 Resp: 2162803

Ion	Ratio	Lower	Upper
43	100		
57	48.9	39.4	59.2



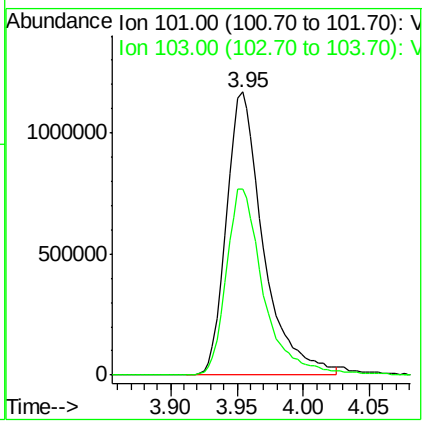


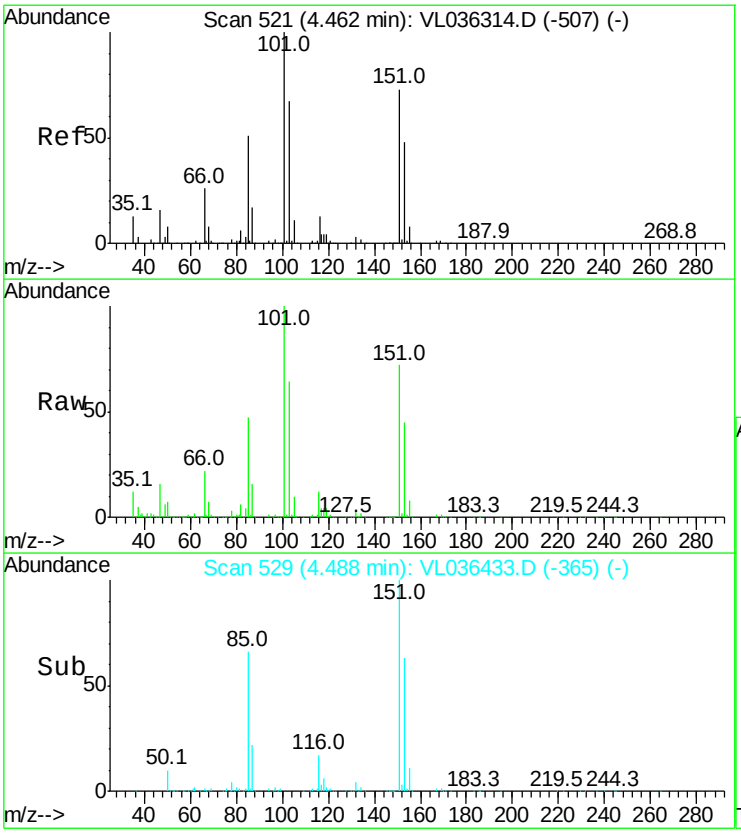
#11
Trichlorofluoromethane
Concen: 9.082 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2268332

Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.9	79.3

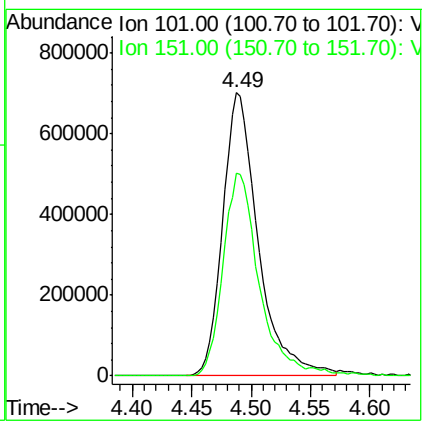


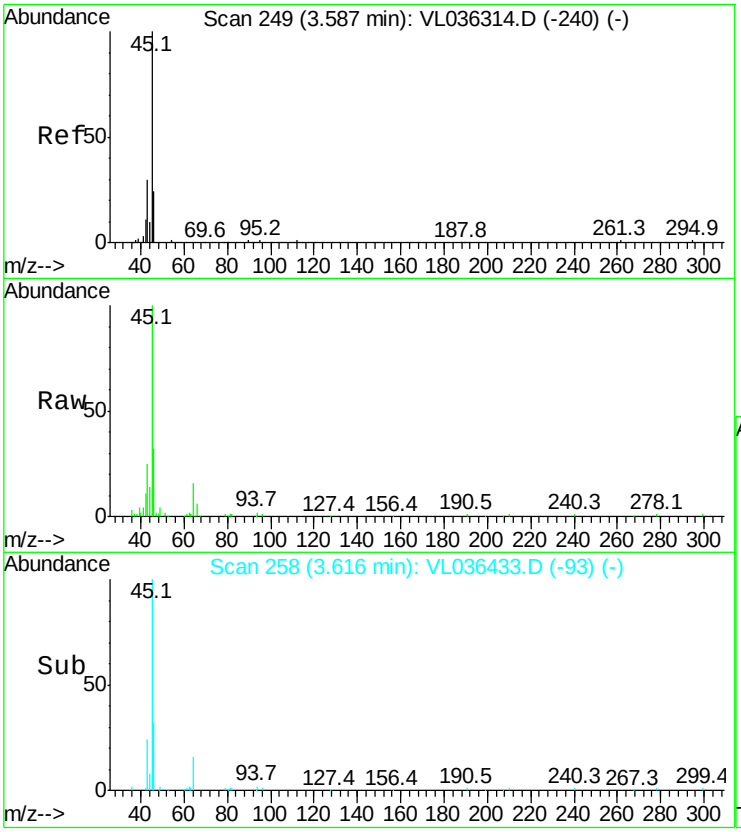


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.388 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion:101 Resp: 1452520

Ion	Ratio	Lower	Upper
101	100		
151	73.7	58.2	87.4



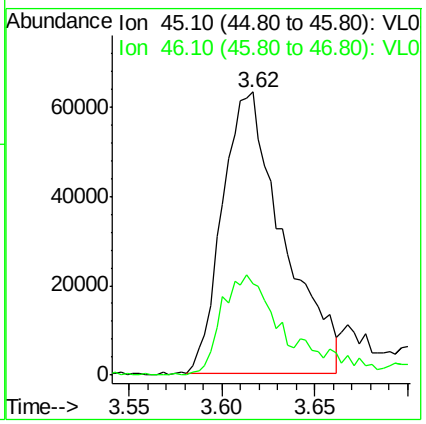


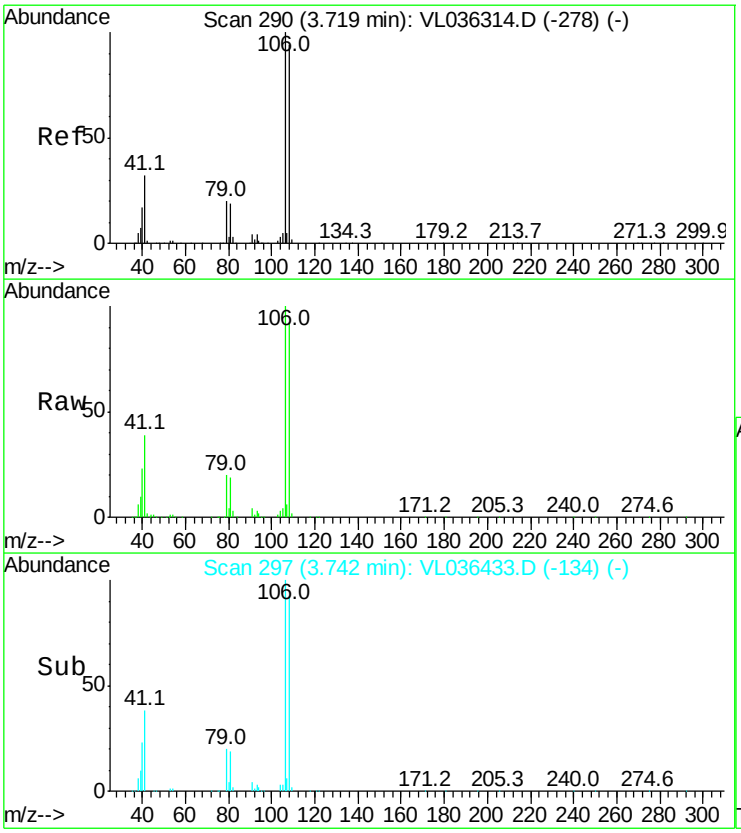
#13
Ethanol
Concen: 9.656 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 143601

Ion	Ratio	Lower	Upper
45	100		
46	42.1	17.7	70.7

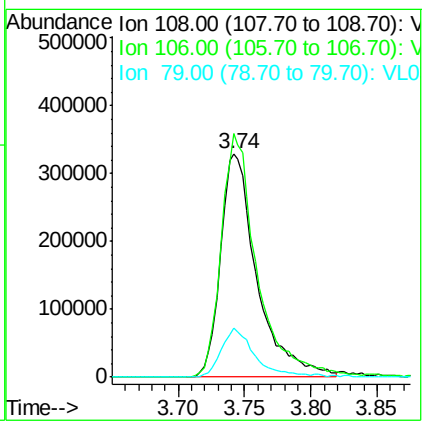


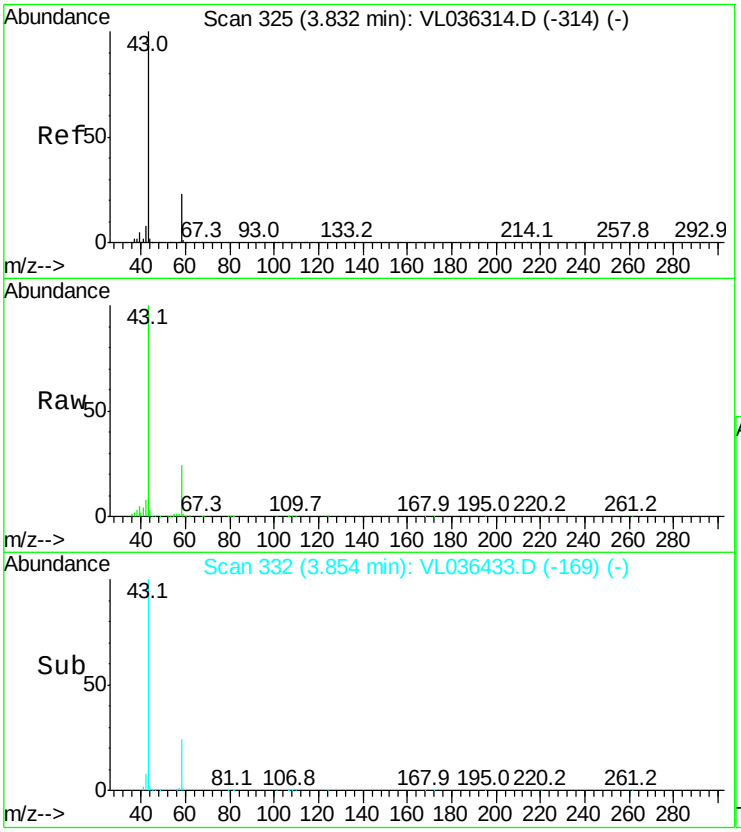


#14
Bromoethene
Concen: 9.694 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion:108 Resp: 627722

Ion	Ratio	Lower	Upper
108	100		
106	108.7	89.8	134.8
79	21.4	17.1	25.7



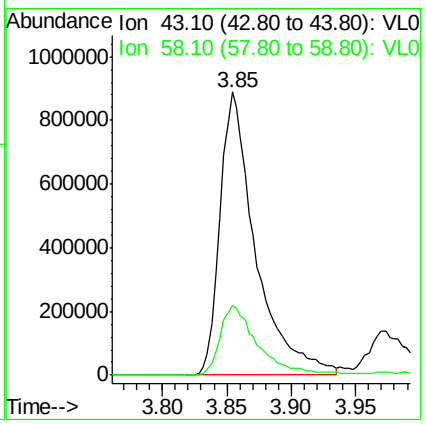


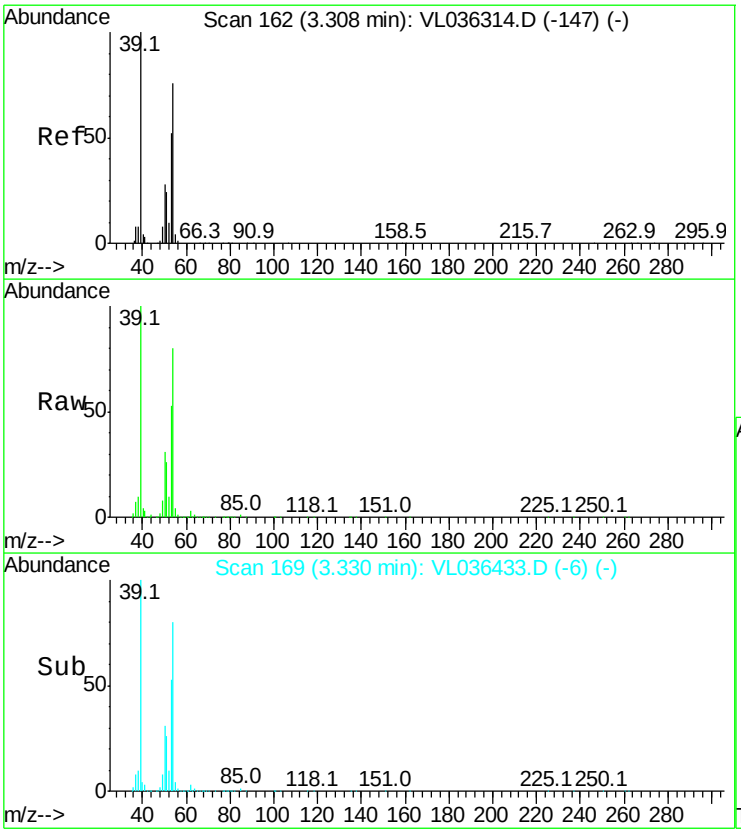
#15
Acetone
Concen: 8.134 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1699439

Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.3	30.5

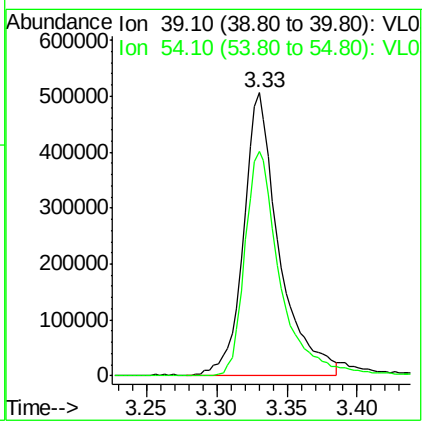


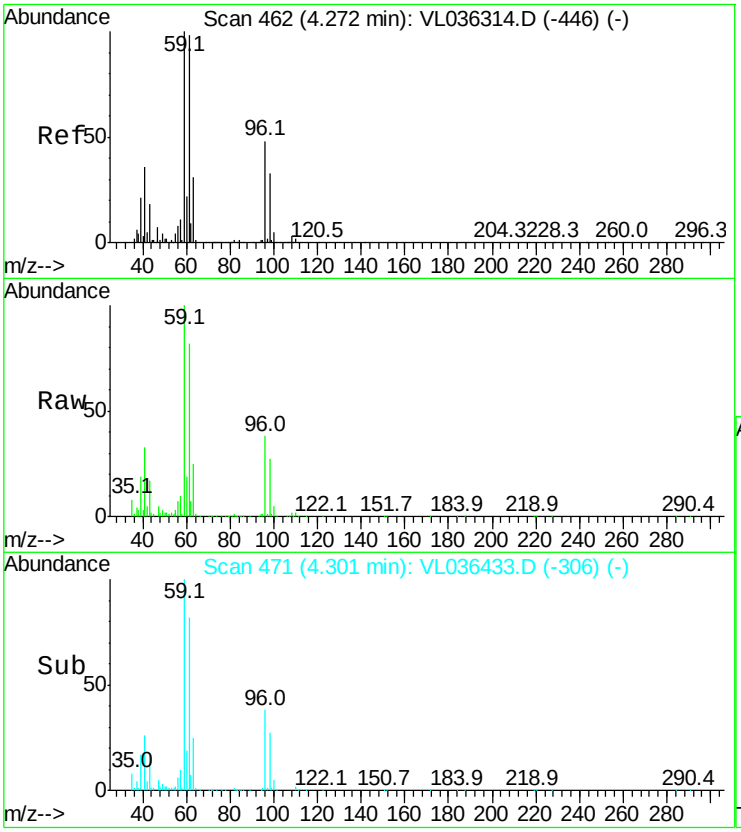


#16
1,3-Butadiene
Concen: 8.877 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 39 Resp: 886782

Ion	Ratio	Lower	Upper
39	100		
54	80.6	64.4	96.6



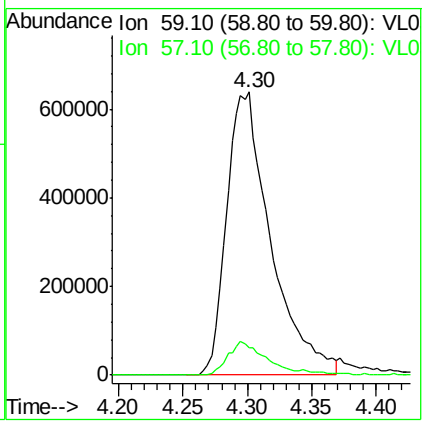


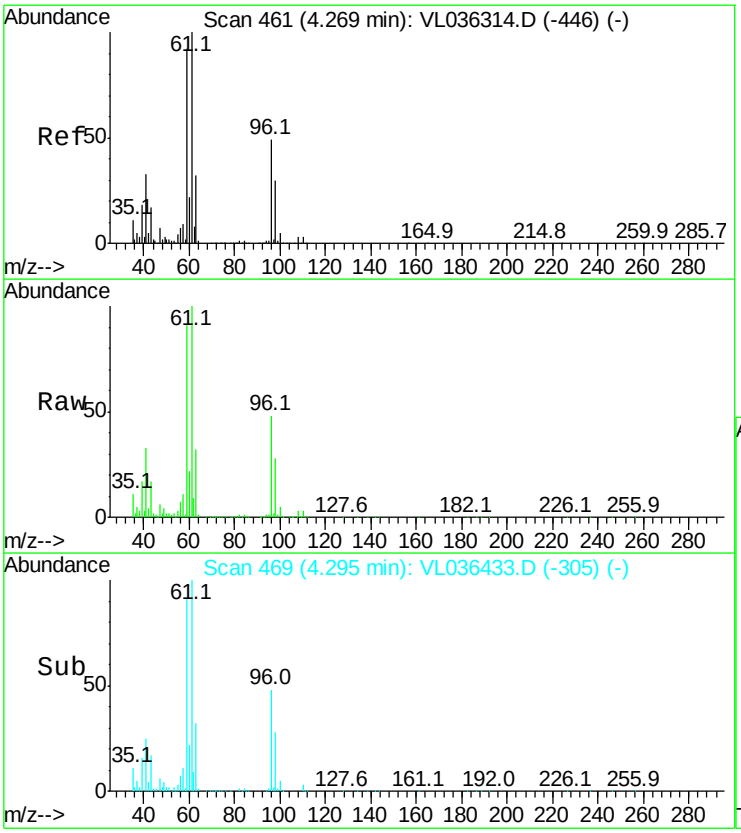
#17
tert-Butyl alcohol
Concen: 9.352 ppbv
RT: 4.30
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1516639

Ion	Ratio	Lower	Upper
59	100		
57	11.1	9.0	13.4

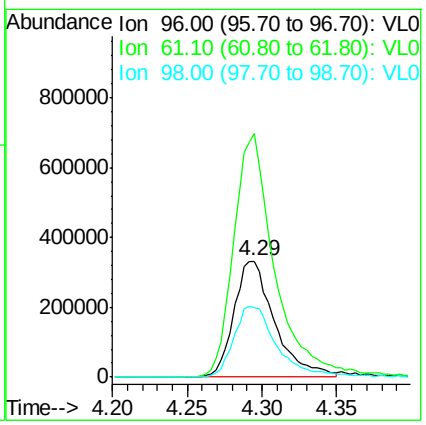


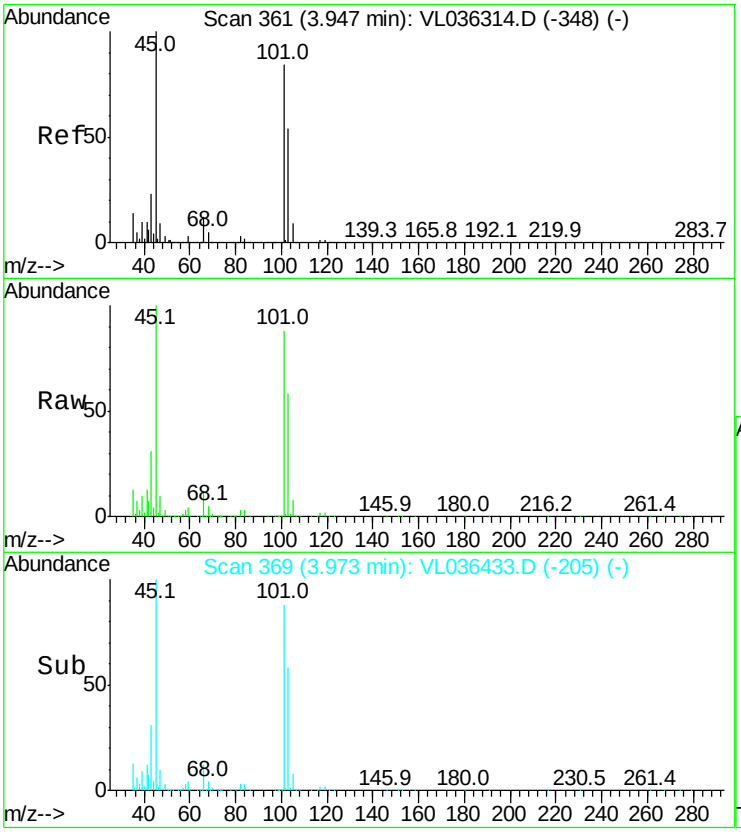


#18
1,1-Dichloroethene
Concen: 8.948 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 96 Resp: 629154

Ion	Ratio	Lower	Upper
96	100		
61	210.2	162.5	243.7
98	59.7	48.5	72.7



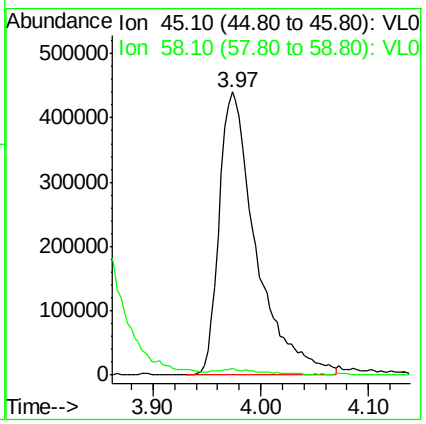


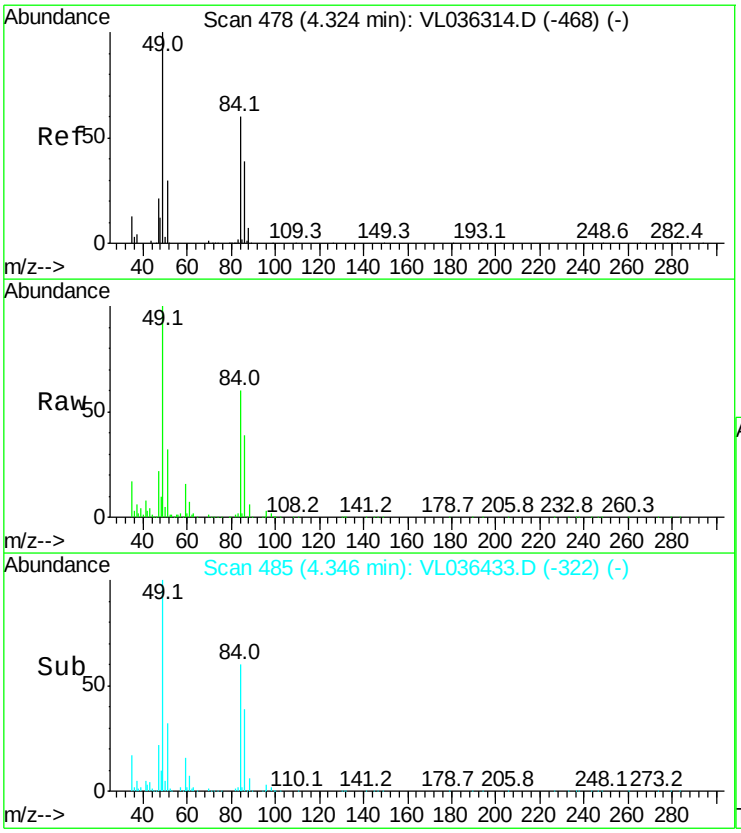
#19
Isopropyl Alcohol
Concen: 9.049 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 1047359

Ion	Ratio	Lower	Upper
45	100		
58	2.5	1.9	2.9

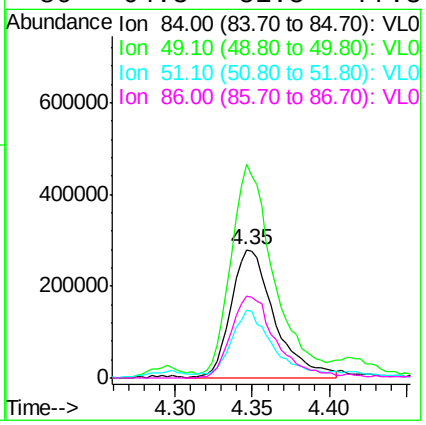


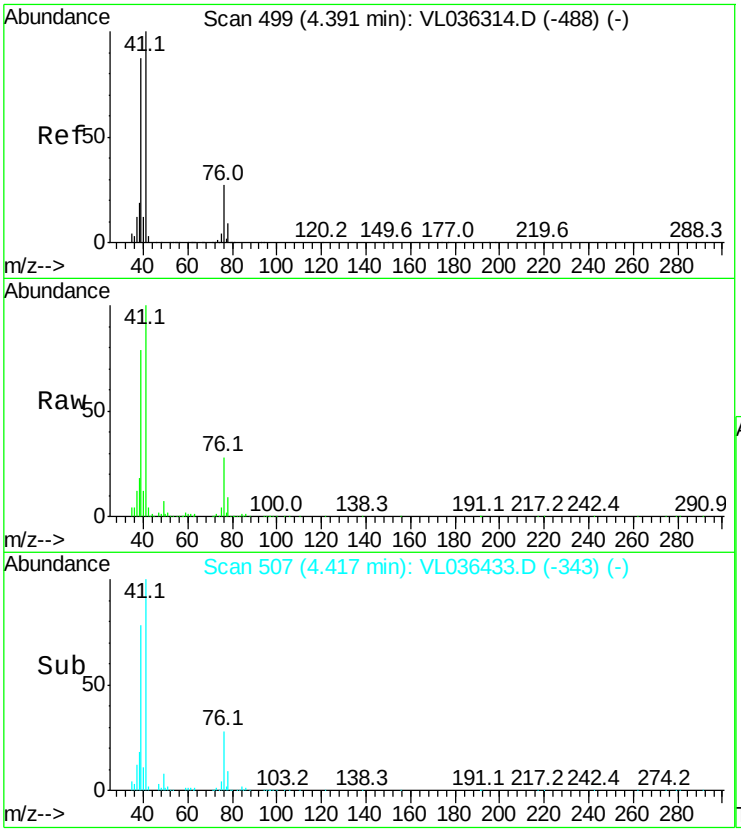


#20
Methylene Chloride
Concen: 8.051 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 84 Resp: 542668

Ion	Ratio	Lower	Upper
84	100		
49	162.7	133.8	200.8
51	50.6	41.4	62.0
86	64.3	51.5	77.3



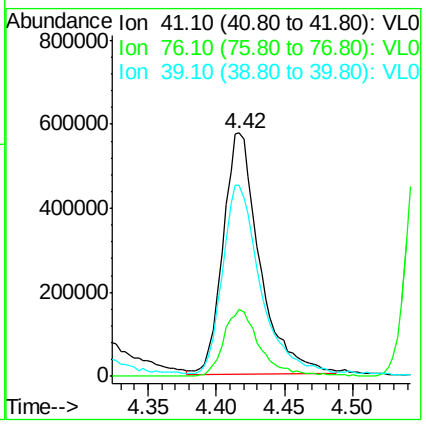


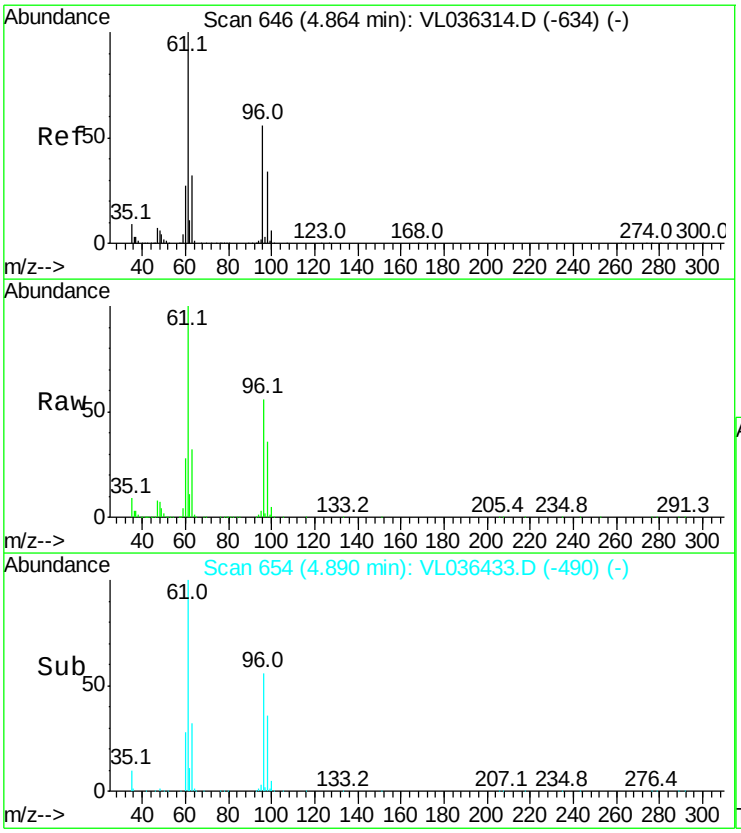
#21
Allyl Chloride
Concen: 9.277 ppbv
RT: 4.42
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 1079082

Ion	Ratio	Lower	Upper
41	100		
76	27.3	22.0	33.0
39	82.5	70.2	105.2

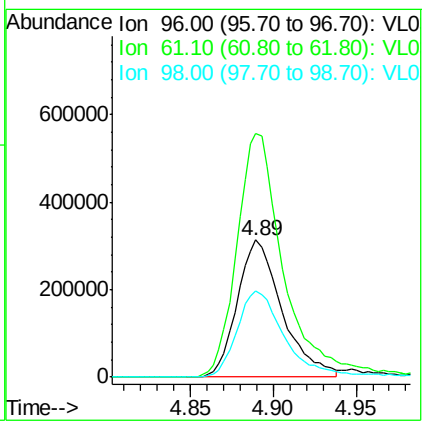


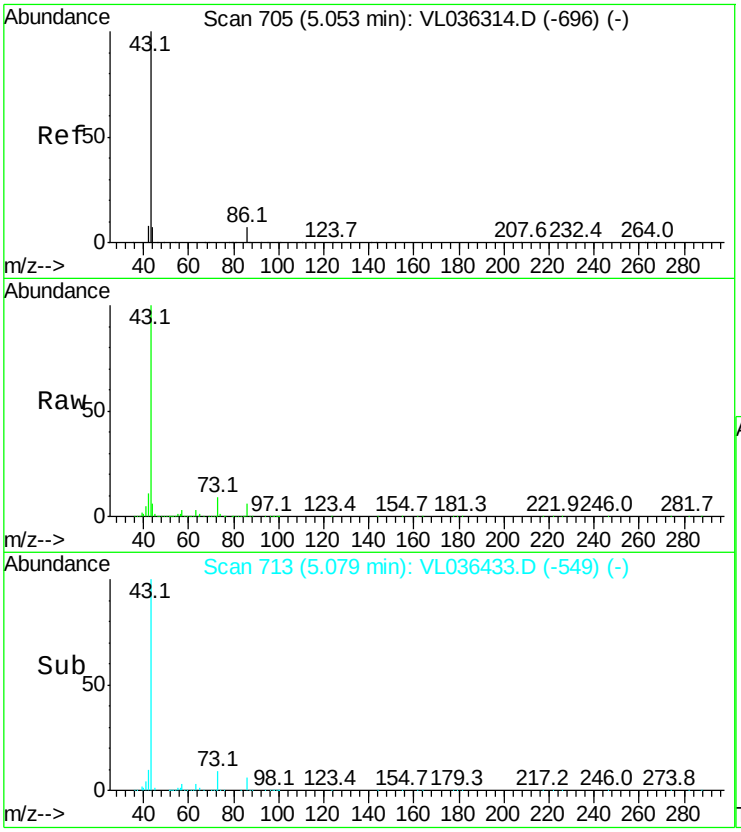


#22
trans-1,2-Dichloroethene
Concen: 9.222 ppbv
RT: 4.89 min Scan# 654
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 96 Resp: 588991

Ion	Ratio	Lower	Upper
96	100		
61	177.6	143.7	215.5
98	63.2	48.5	72.7



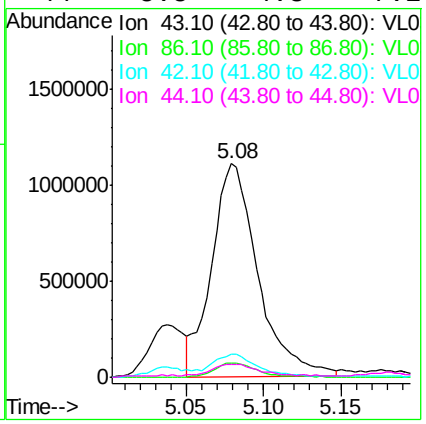


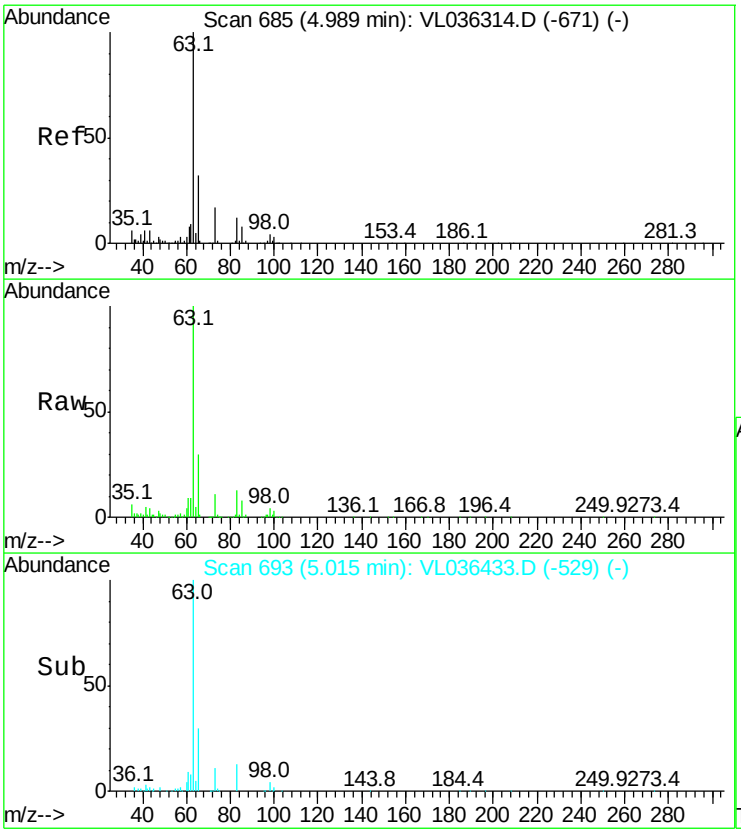
#23
Vinyl Acetate
Concen: 9.360 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 2299153

Ion	Ratio	Lower	Upper
43	100		
86	6.5	4.8	7.2
42	10.4	7.4	11.0
44	5.5	4.8	7.2

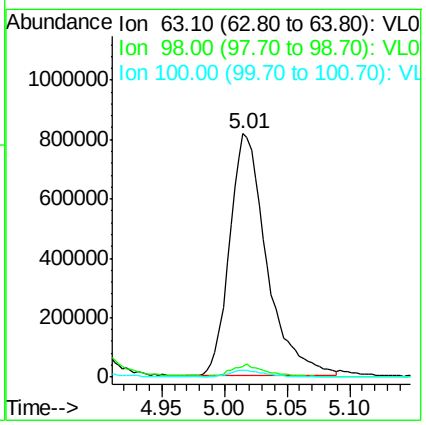


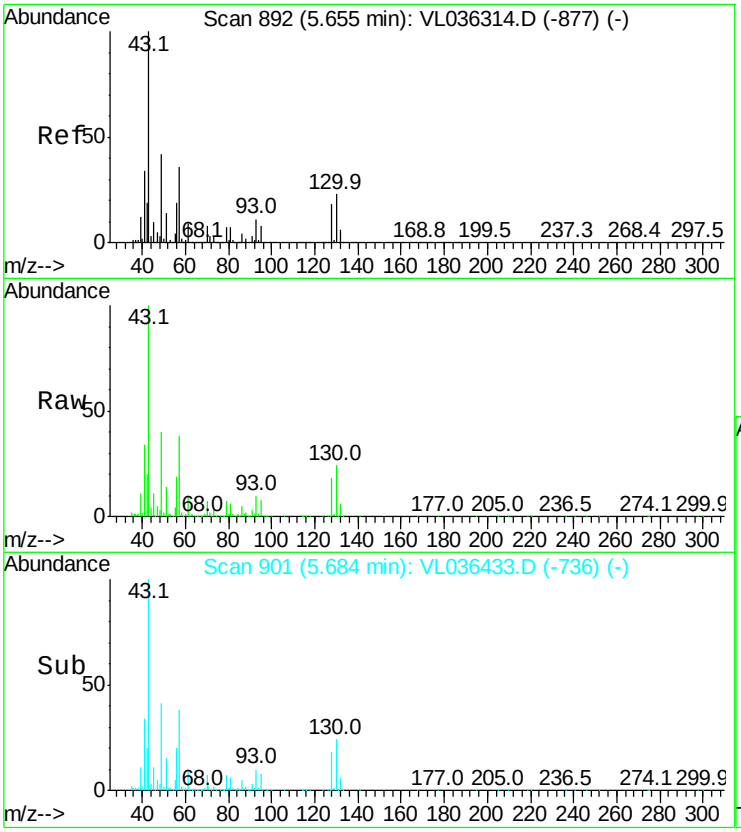


#24
1,1-Dichloroethane
Concen: 9.282 ppbv
RT: 5.01 min Scan# 693
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 63 Resp: 1686290

Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.0	6.0
100	2.5	1.5	4.4



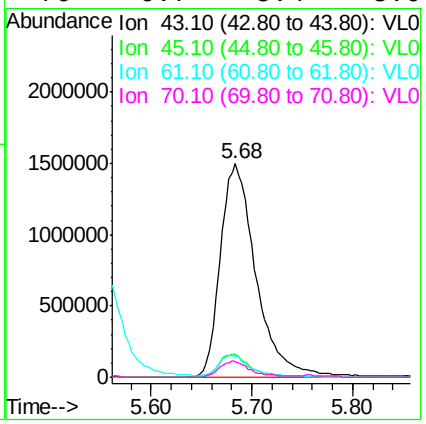


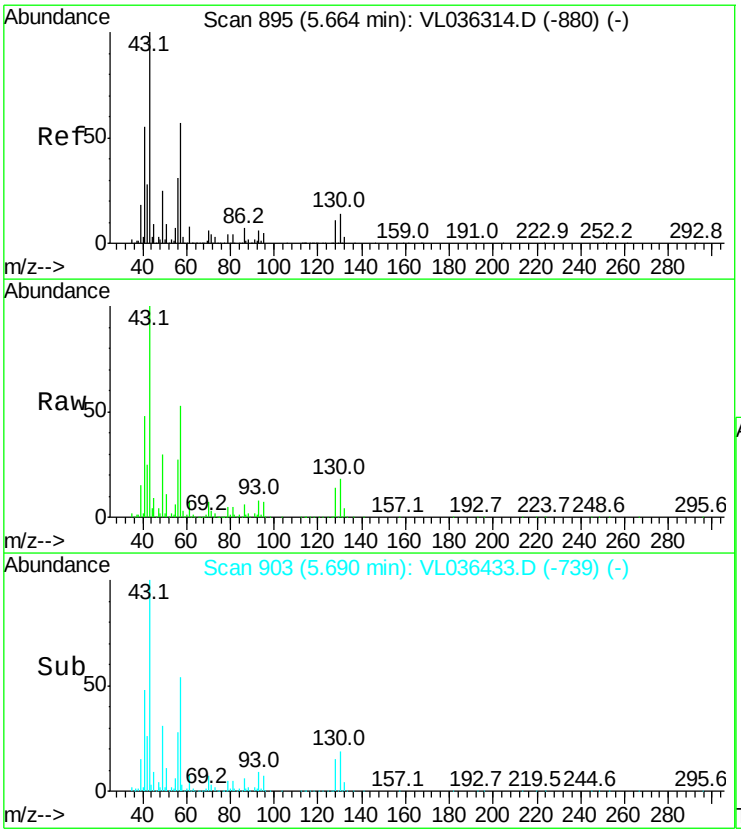
#25
Ethyl Acetate
Concen: 9.086 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 3664543

Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.3	12.5
61	9.6	7.3	10.9
70	6.7	5.4	8.0

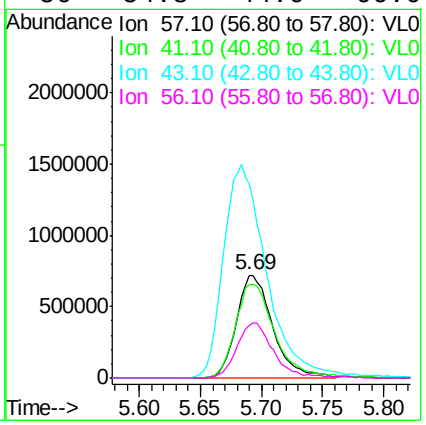


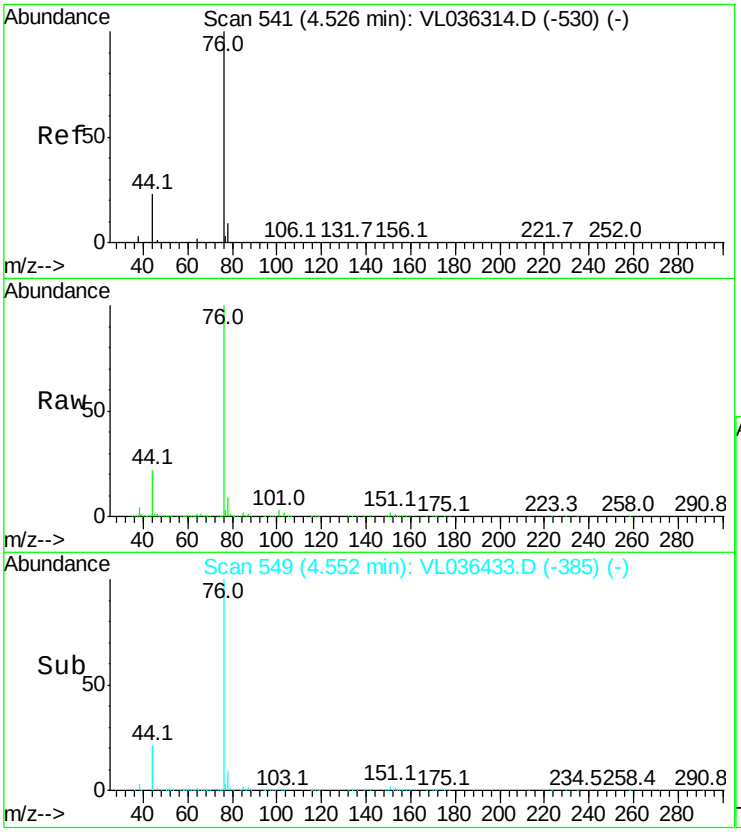


#26
Hexane
Concen: 8.943 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 57 Resp: 1481939

Ion	Ratio	Lower	Upper
57	100		
41	100.5	81.7	122.5
43	249.7	199.1	298.7
56	54.8	44.0	66.0



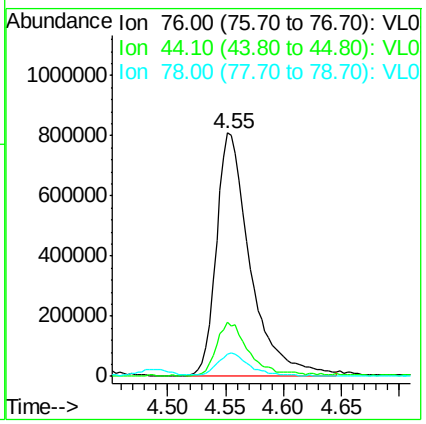


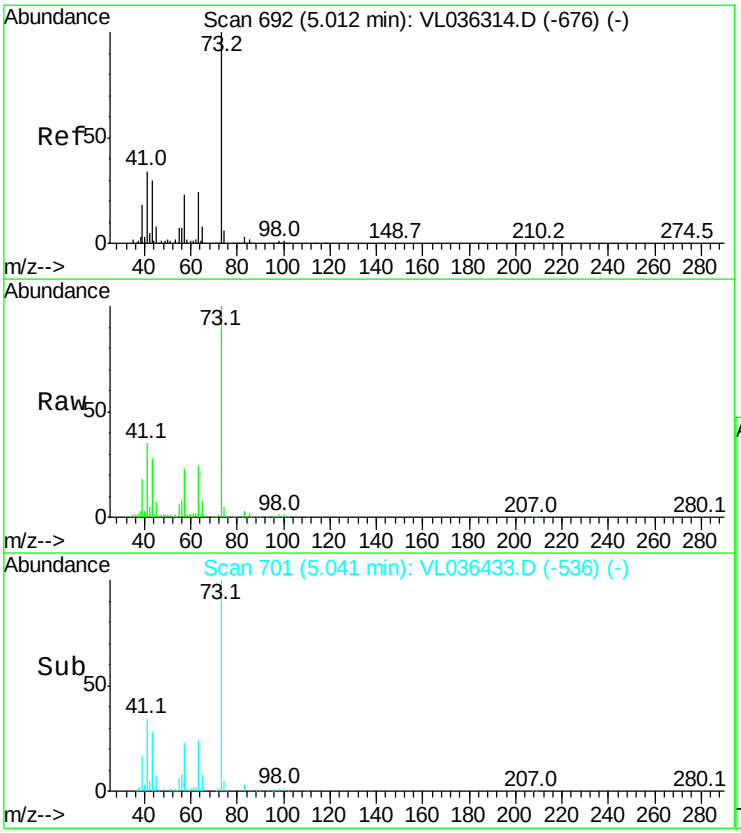
#27
Carbon Disulfide
Concen: 10.734 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 3 Mar 2021 9:33

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1634775

Ion	Ratio	Lower	Upper
76	100		
44	21.7	18.4	27.6
78	9.2	8.0	12.0





#28
Methyl tert-Butyl Ether
Concen: 9.389 ppbv
RT: 5.04 min Scan# 701
Delta R.T. 0.03 min
Lab File: VL036433.D
Acq: 3 Mar 2021 9:33

Tgt Ion: 73 Resp: 2032426

Ion	Ratio	Lower	Upper
73	100		
57	23.8	19.2	28.8