Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\

Quantitation Report (Not Reviewed)

Data File : VL037934.D
Acq On : 1 Nov 2021 9:22
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Nov 01 11:05:18 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1626788	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4767484	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	5371426	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	3282762	8.74	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 87.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	2163434	8.326	ppbv	99
3) Chlorodifluoromethane	2.99	51	2689921	8.606	ppbv	100
4) Chloromethane	3.14	50	1032168	9.016	ppbv	96
5) Vinyl Chloride	3.26	62	1036085	9.872	ppbv	100
6) Bromomethane	3.48	94	569392	10.030	ppbv	99
7) Chloroethane	3.56	64	362886	9.404	ppbv	96
8) Dichlorotetrafluoroethane	3.19	85	2343967	9.127	ppbv	99
9) Propene	3.02	41	948106	8.243	ppbv	95
10) Heptane	8.12	43	2495268	9.553	ppbv	100
11) Trichlorofluoromethane	3.95	101	2123305	9.159	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1656831	9.432	ppbv	99
13) Ethanol	3.61	45	73673	7.833	ppbv	89
14) Bromoethene	3.74	108	721478	9.341	ppbv	96
15) Acetone	3.85	43	1146722	7.852	ppbv	99
16) 1,3-Butadiene	3.33	39	997324	9.386	ppbv	99
17) tert-Butyl alcohol	4.29	59	1282778	8.529	ppbv	99
18) 1,1-Dichloroethene	4.29	96	741100	9.284	ppbv	99
19) Isopropyl Alcohol	3.96	45	809716	8.912	ppbv #	91
20) Methylene Chloride	4.35	84	629259	8.528	ppbv	97
21) Allyl Chloride	4.41	41	1172657	9.064	ppbv	97
22) trans-1,2-Dichloroethene	4.89	96	758432	9.450	ppbv	97
23) Vinyl Acetate	5.07	43	1866037	8.527	ppbv #	98
24) 1,1-Dichloroethane	5.01	63	1537083	9.648	ppbv	100
25) Ethyl Acetate	5.67	43	3785069	9.236	ppbv	99
26) Hexane	5.68	57	1786985	8.856	ppbv	98
27) Carbon Disulfide	4.55	76	1926825	10.774	ppbv	97
28) Methyl tert-Butyl Ether	5.03	73	1486592	8.849	ppbv	99
29) Chloroform	5.75	83	2560593	8.877	ppbv	98
30) Cyclohexane	7.13	84	1505779	8.800	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1693742	9.246	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	2422917	8.860	ppbv	99
34) 2-Butanone	5.24	43	1630074	8.469	ppbv	100
35) Carbon Tetrachloride	7.01	117	2537562	9.372	ppbv	100
36) Benzene	6.89	78	3751528	9.213	ppbv	98
37) 1,2-Dichloroethane	6.30	62	1774740	9.256	ppbv	99
38) Trichloroethene	7.83	130	1476189	9.176	ppbv	95
39) 1,2-Dichloropropane	7.61	63	1405486	9.176	ppbv	98
40) 1,4-Dioxane	7.83	88	356640	9.305	ppbv #	100
41) Tetrahydrofuran	6.05	42	850789	9.027	ppbv	99
42) Bromodichloromethane	7.79	83	2694026	9.566	ppbv	99
43) Methyl Methacrylate	8.01	69	1336706	10.050	ppbv	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\

Quantitation Report (Not Reviewed)

Data File : VL037934.D
Acq On : 1 Nov 2021 9:22
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VSTDICCC010

Quant Time: Nov 01 11:05:18 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	6271513	9.167	ppbv		99
45) t-1,3-Dichloropropene	9.27	75	1083160	11.836	ppbv		100
46) cis-1,3-Dichloropropene	8.70	75	1458492	11.498	ppbv		98
47) 1,1,2-Trichloroethane	9.47	97	1530555	9.192	ppbv		98
48) Dibromochloromethane	10.30	129	2361012	9.946	ppbv		98
49) Bromoform	13.03	173	1895990	10.439	ppbv		99
50) 4-Methyl-2-Pentanone	8.74	43	2400467	9.581	ppbv		99
51) 2-Hexanone	10.13	43	1049279	9.381	ppbv	#	99
52) Tetrachloroethene	11.22	164	1351305	8.529	ppbv		98
53) Toluene	9.80	91	4306289	9.542	ppbv		100
54) 1,2-Dibromoethane	10.61	107	2120189	9.427	ppbv		99
56) 1,1,1,2-Tetrachloroethane	12.12	131	1625111	7.308	ppbv	#	53
57) Chlorobenzene	12.14	112	3169906	7.194	ppbv		99
58) Ethyl Benzene	12.71	91	5385326	7.466	ppbv		100
59) m/p-Xylene	12.99	91	4702011	7.594	ppbv	#	32
60) o-Xylene	13.68	91	4311323	7.266	ppbv		100
61) Styrene	13.52	104	2370787	8.260	ppbv		99
62) Isopropylbenzene	14.66	105	5932424	7.168	ppbv		99
63) 1,1,2,2-Tetrachloroethane	13.67	83	3127431	6.830	ppbv		98
64) n-propylbenzene	15.55	120	1605253	7.778	ppbv		94
65) tert-Butylbenzene	16.74	119	5146494	7.066	ppbv		99
66) Benzyl Chloride	16.98	91	165752	4.612	ppbv	#	80
67) sec-Butylbenzene	17.28	105	7139803	7.168	ppbv		100
69) p-Isopropyltoluene	17.64	119	5883742	7.307	ppbv		99
70) n-Butylbenzene	18.54	91	5627310	7.356	ppbv		100
71) 2-Chlorotoluene	15.44	91	4367404	7.473	ppbv		99
72) 4-Ethyltoluene	15.83	105	5068667	7.523	ppbv		98
73) 1,3,5-Trimethylbenzene	15.99	105	4633751	7.572	ppbv		97
74) 1,2,4-Trimethylbenzene	16.76	105	4718306	7.342	ppbv		98
75) 1,3-Dichlorobenzene	16.99	146	2857343	7.177	ppbv		99
76) 1,4-Dichlorobenzene	17.13	146	2769381	7.291	ppbv		99
77) 1,2-Dichlorobenzene	17.81	146	2649897	6.928	ppbv		99
78) Hexachloro-1,3-Butadiene	23.36	225	2008929	6.433	ppbv		99
79) Naphthalene	22.18	128	3484482	8.853	ppbv		100
80) Naphthalene,2-methyl-	24.96	142	992767	9.394	ppbv		98
81) 1,2,4-Trichlorobenzene	21.91	180	1964335	7.804	ppbv		98

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

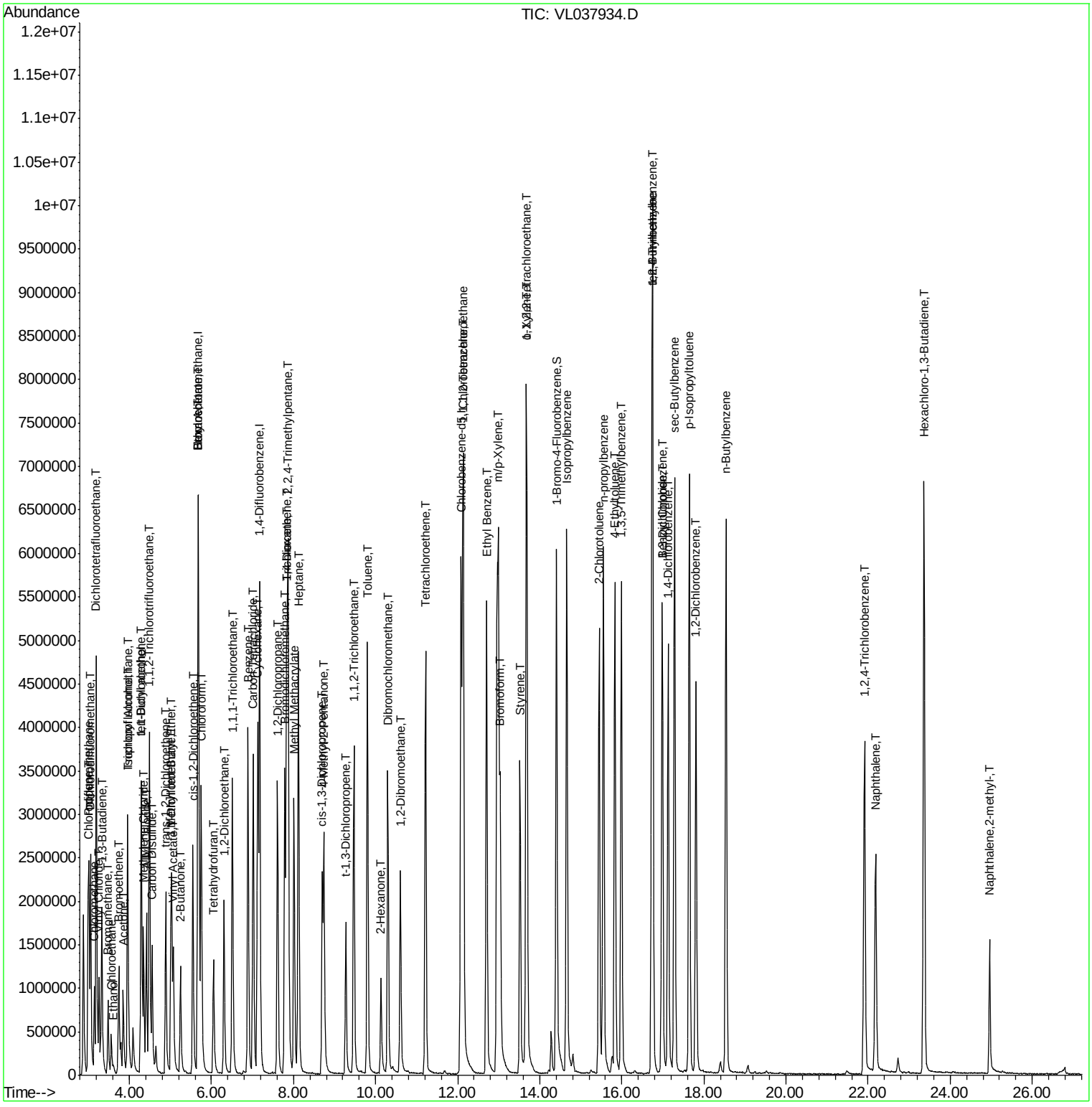
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110121\

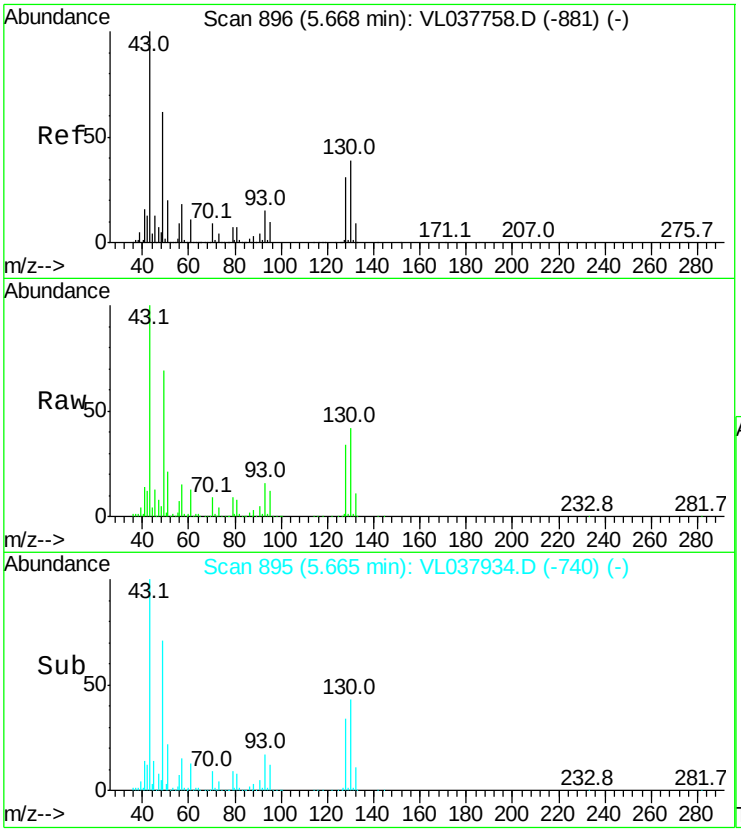
Quantitation Report (Not Reviewed)

Data File : VL037934.D
Acq On : 1 Nov 2021 9:22
Operator : SY/AP
Sample : VSTDICCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Quant Time: Nov 01 11:05:18 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Oct 04 17:43:54 2021
QLast Update : Mon Oct 04 17:43:54 2021
Response via : Initial Calibration



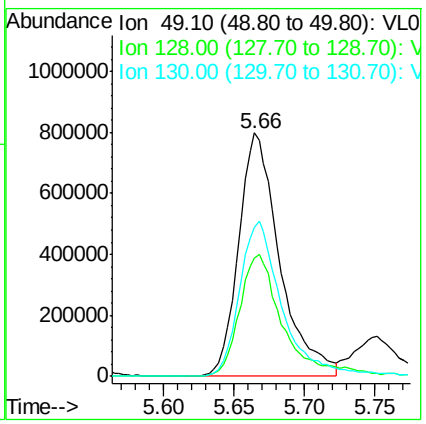


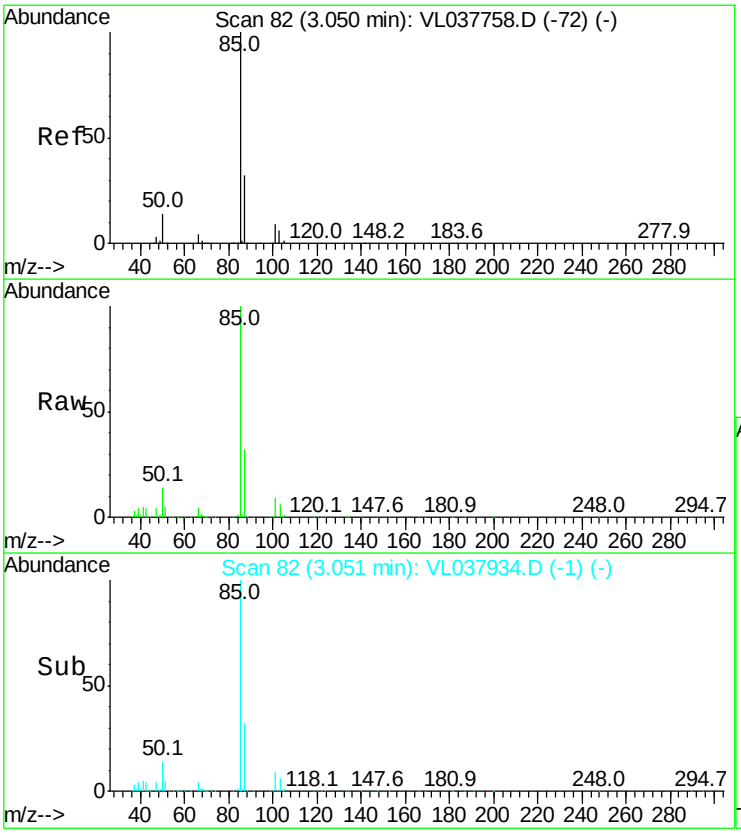
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 49 Resp: 1626788

Ion	Ratio	Lower	Upper
49	100		
128	54.0	27.1	81.3
130	66.8	33.2	99.6

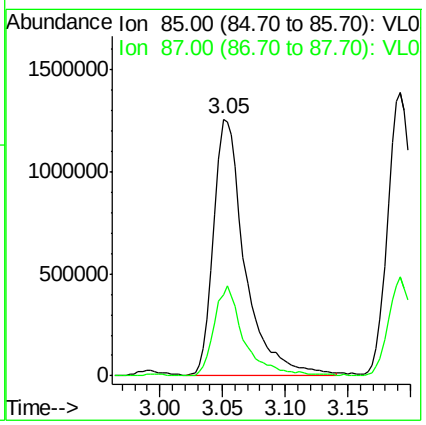


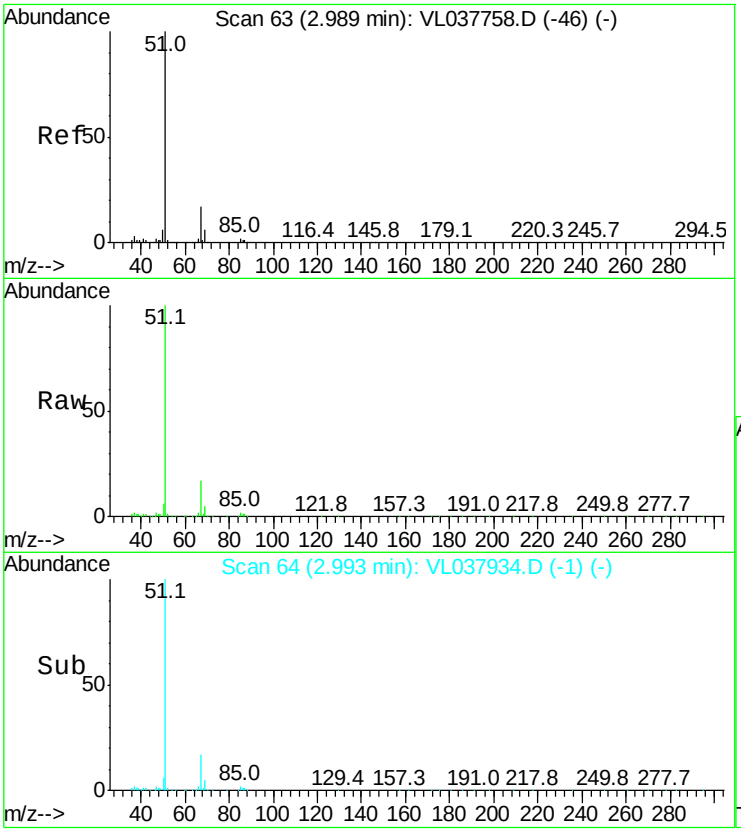


#2
Dichlorodifluoromethane
Concen: 8.326 ppbv
RT: 3.05 min Scan# 82
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 85 Resp: 2163434

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.7	38.5



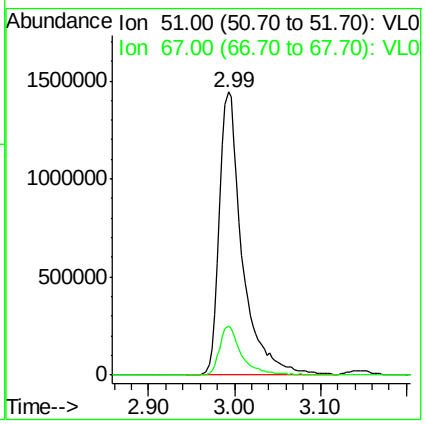


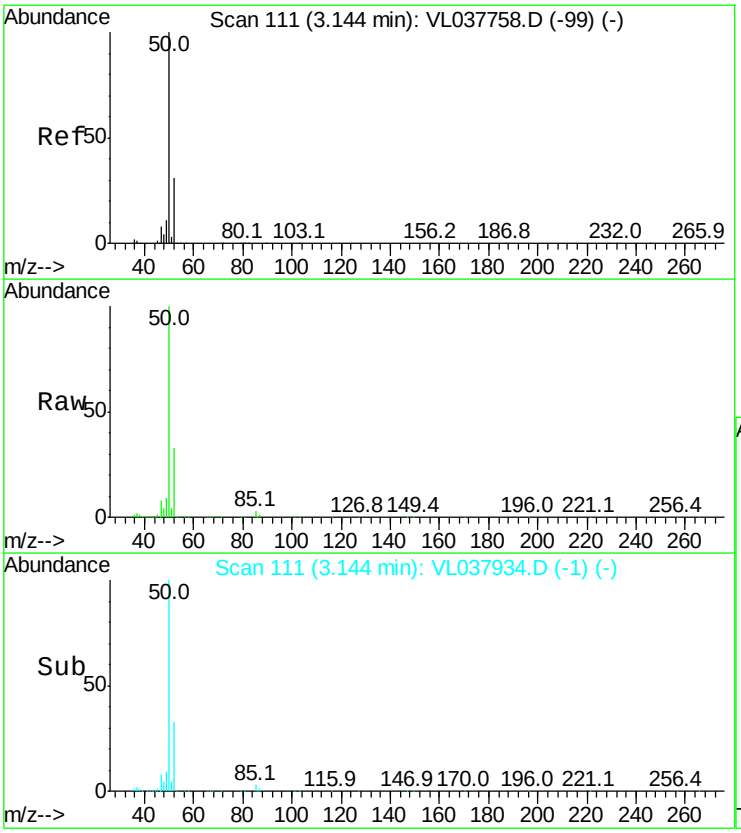
#3
Chlorodifluoromethane
Concen: 8.606 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 51 Resp: 2689921

Ion	Ratio	Lower	Upper
51	100		
67	16.7	13.5	20.3

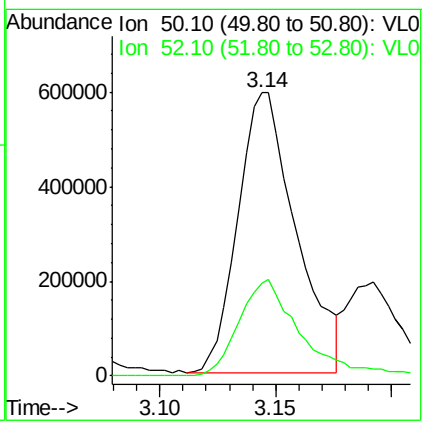


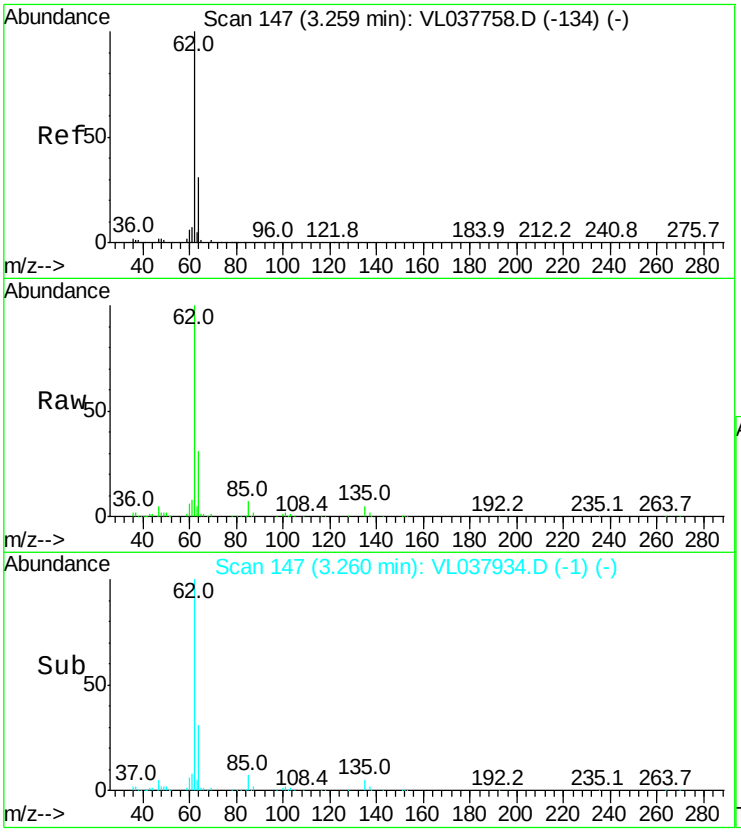


#4
Chloromethane
Concen: 9.016 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 50 Resp: 1032168

Ion	Ratio	Lower	Upper
50	100		
52	32.9	24.4	36.6



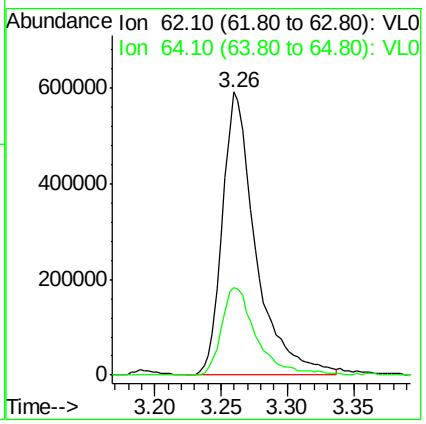


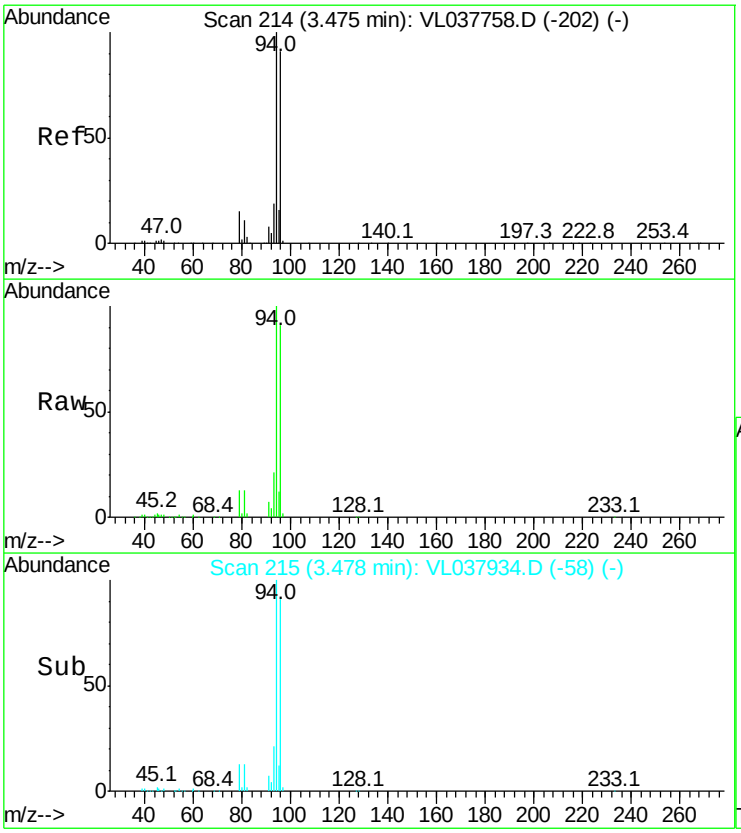
#5
Vinyl Chloride
Concen: 9.872 ppbv
RT: 3.26
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 62 Resp: 1036085

Ion	Ratio	Lower	Upper
62	100		
64	30.9	24.9	37.3

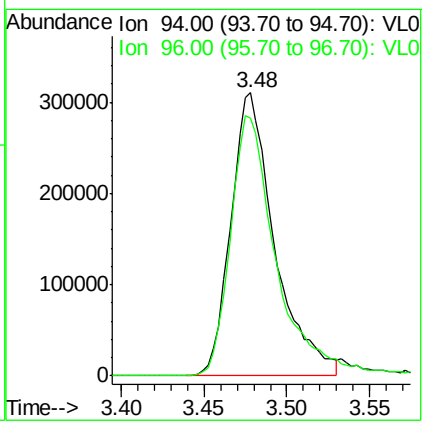


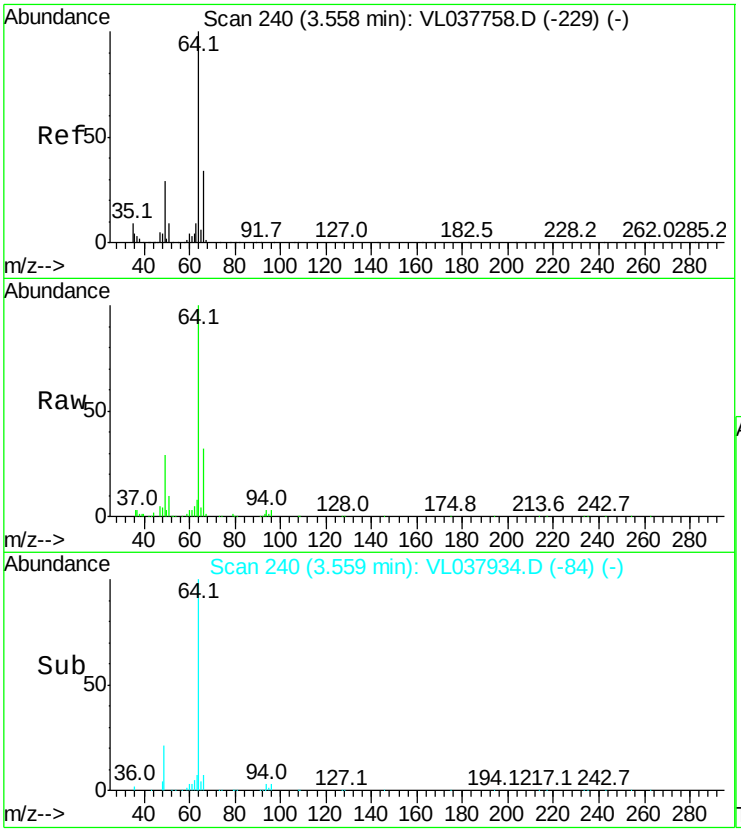


#6
Bromomethane
Concen: 10.030 ppbv
RT: 3.48 min Scan# 215
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 94 Resp: 569392

Ion	Ratio	Lower	Upper
94	100		
96	91.2	72.5	108.7



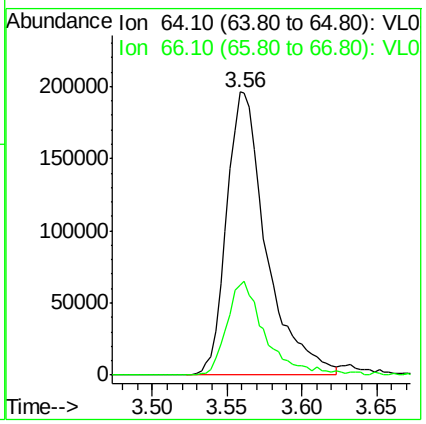


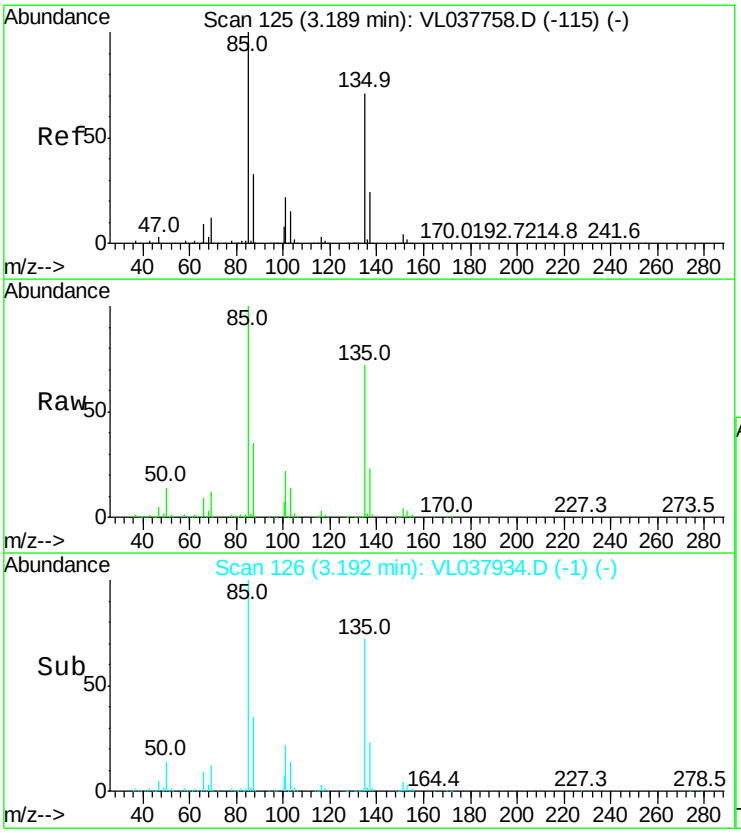
#7
Chloroethane
Concen: 9.404 ppbv
RT: 3.56
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 64 Resp: 362886

Ion	Ratio	Lower	Upper
64	100		
66	31.9	27.5	41.3

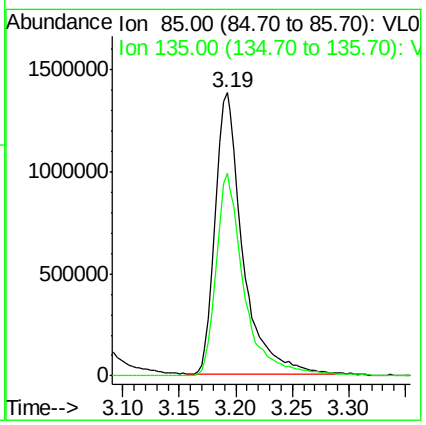


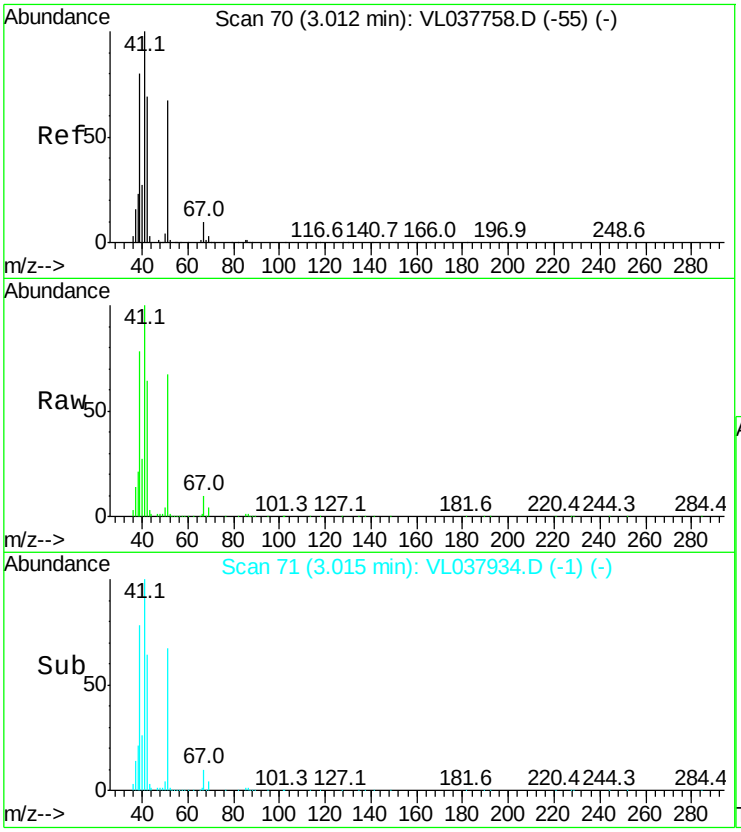


#8
Dichlorotetrafluoroethane
Concen: 9.127 ppbv
RT: 3.19 min Scan# 126
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 85 Resp: 2343967

Ion	Ratio	Lower	Upper
85	100		
135	73.5	59.5	89.3



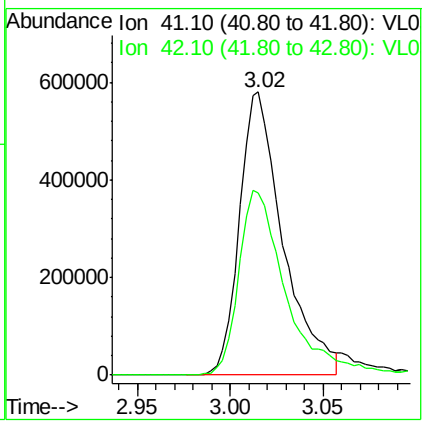


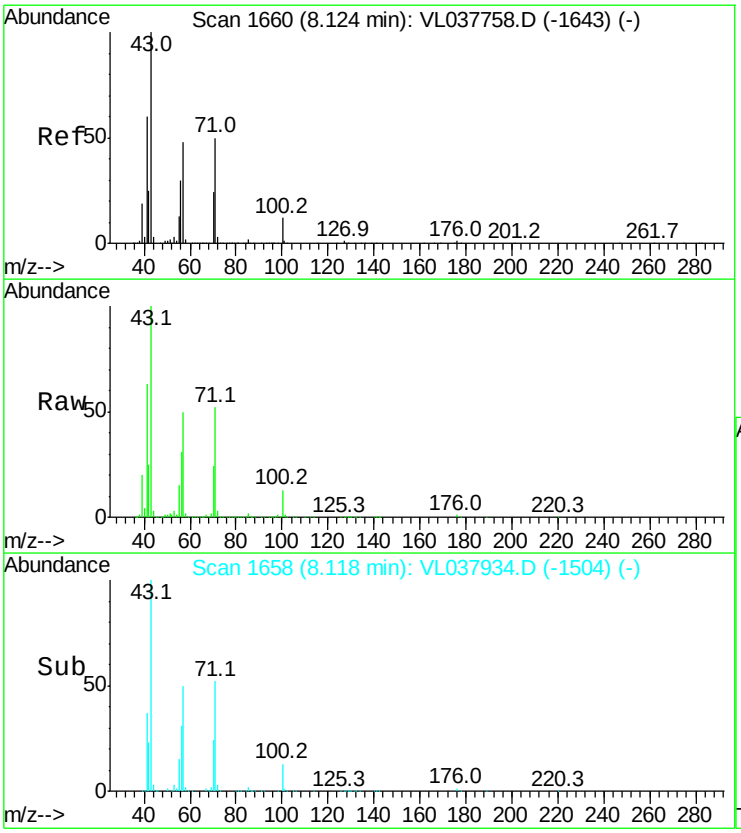
#9
Propene
Concen: 8.243 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 948106

Ion	Ratio	Lower	Upper
41	100		
42	72.0	54.2	81.2

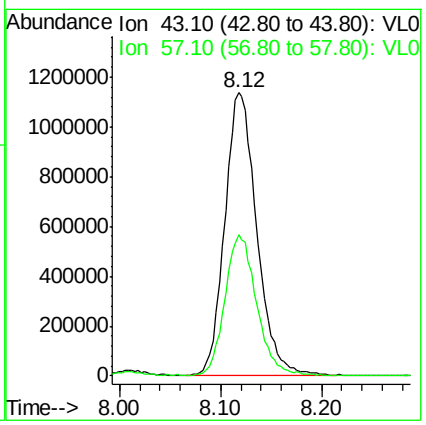


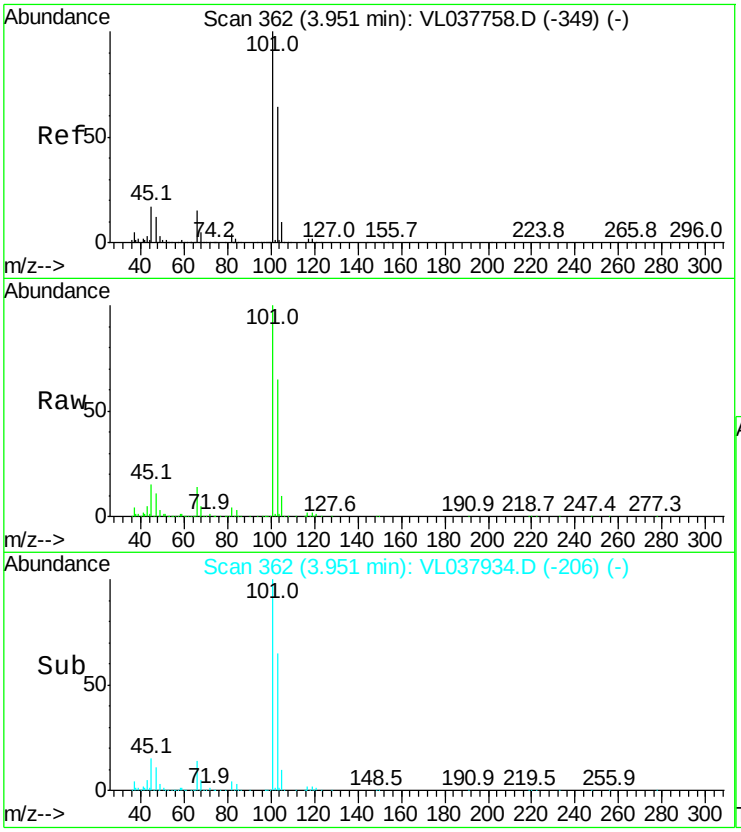


#10
Heptane
Concen: 9.553 ppbv
RT: 8.12 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 43 Resp: 2495268

Ion	Ratio	Lower	Upper
43	100		
57	49.8	40.0	60.0



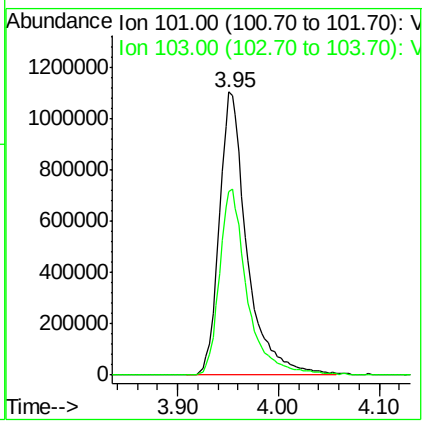


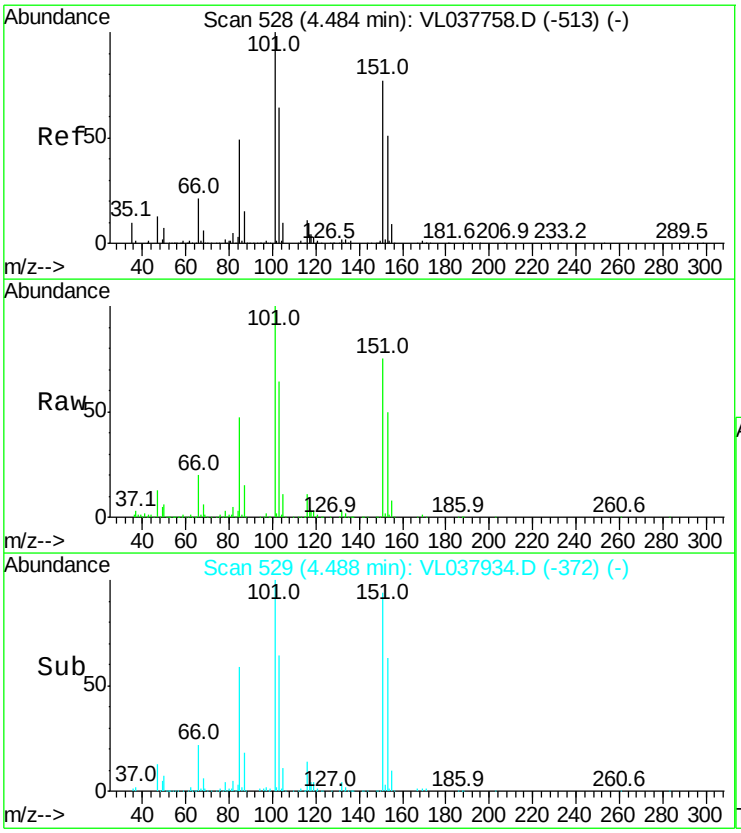
#11
Trichlorofluoromethane
Concen: 9.159 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:101 Resp: 2123305

Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.5	77.3

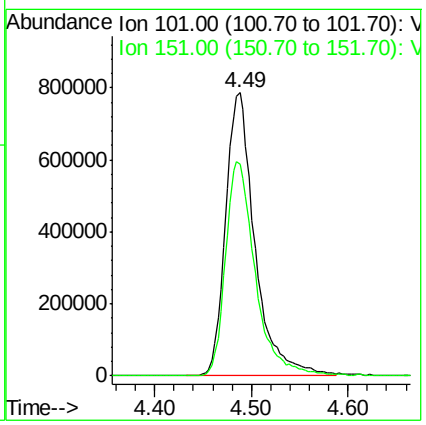


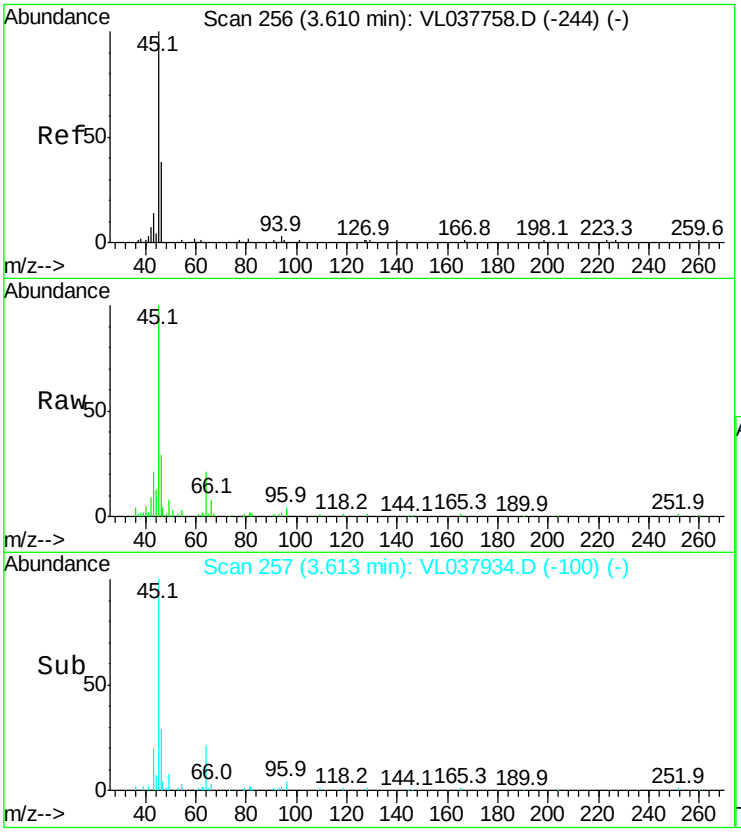


#12
1,1,2-Trichlorotrifluoroethane
Concen: 9.432 ppbv
RT: 4.49 min Scan# 529
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion:101 Resp: 1656831

Ion	Ratio	Lower	Upper
101	100		
151	77.3	62.9	94.3



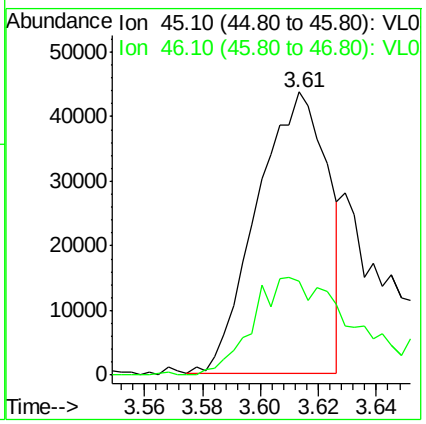


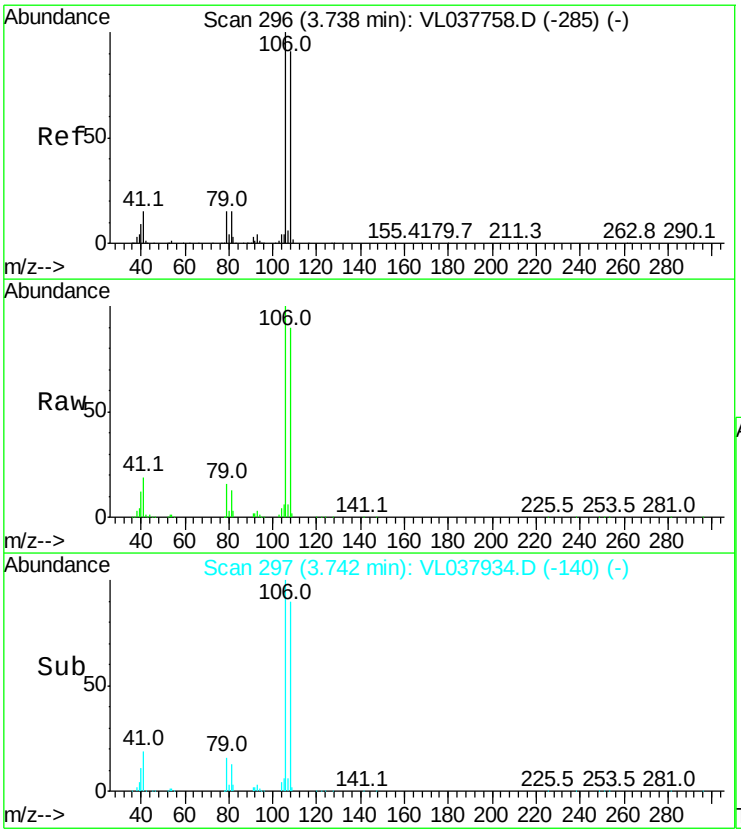
#13
Ethanol
Concen: 7.833 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 73673

Ion	Ratio	Lower	Upper
45	100		
46	58.4	20.2	81.0

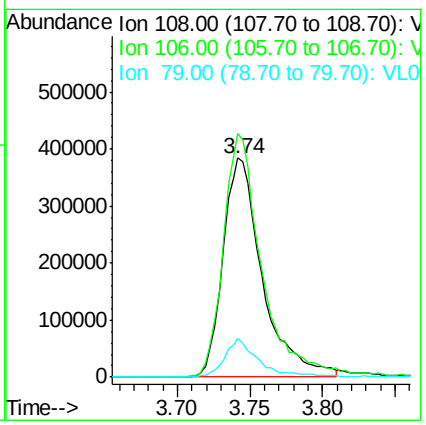


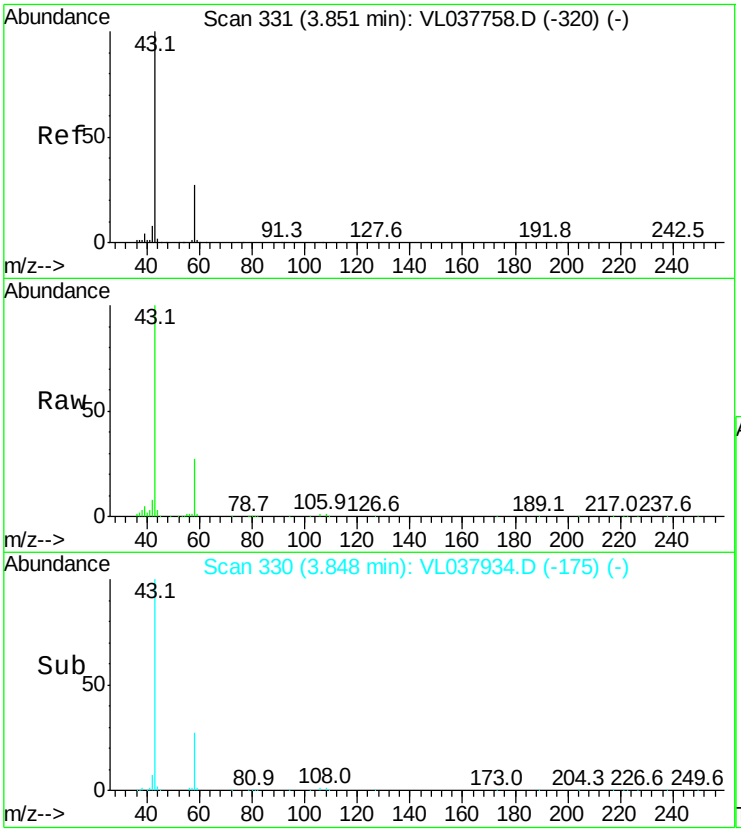


#14
Bromoethene
Concen: 9.341 ppbv
RT: 3.74 min Scan# 297
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion:108 Resp: 721478

Ion	Ratio	Lower	Upper
108	100		
106	110.5	91.9	137.9
79	15.5	13.9	20.9



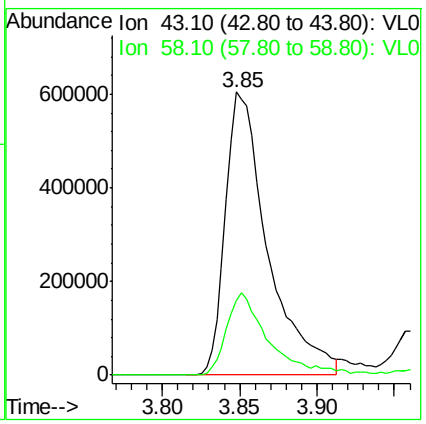


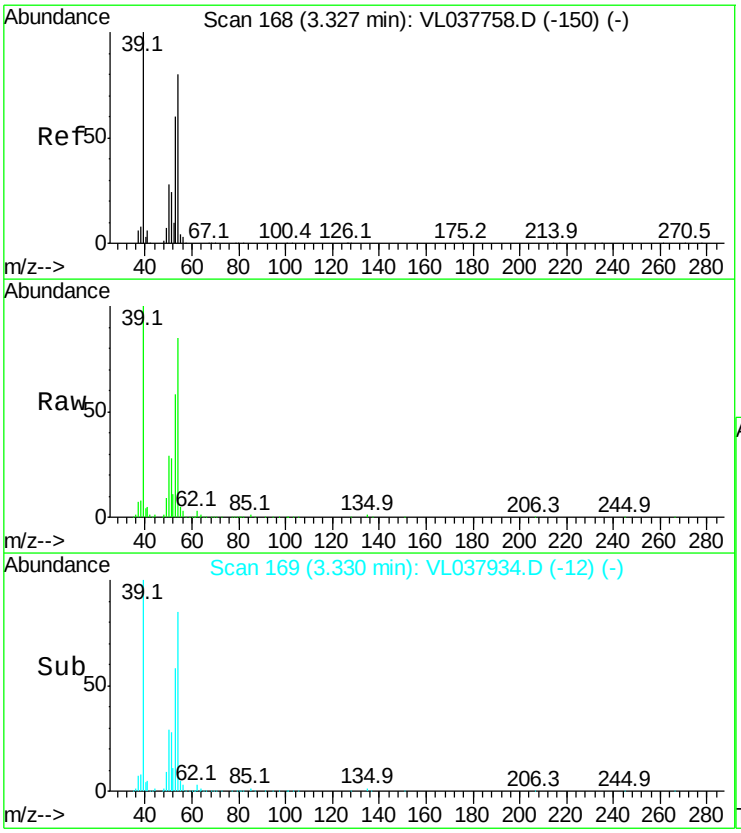
#15
Acetone
Concen: 7.852 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1146722

Ion	Ratio	Lower	Upper
43	100		
58	29.1	23.0	34.6

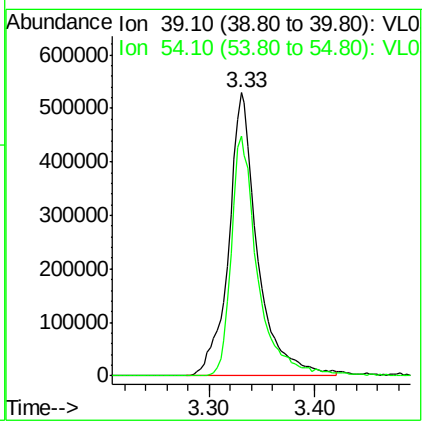


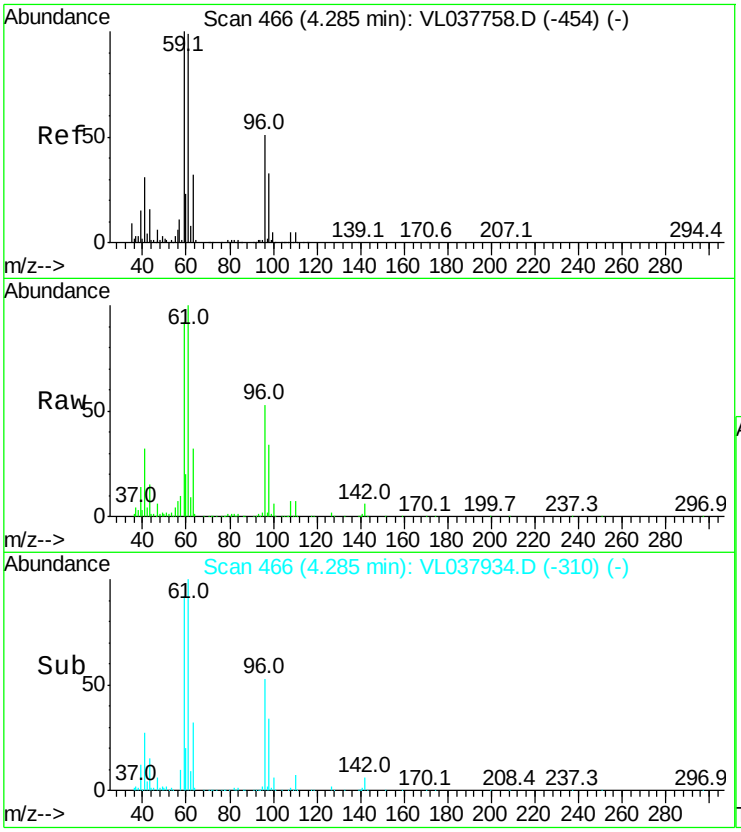


#16
1,3-Butadiene
Concen: 9.386 ppbv
RT: 3.33 min Scan# 169
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 39 Resp: 997324

Ion	Ratio	Lower	Upper
39	100		
54	78.2	61.7	92.5



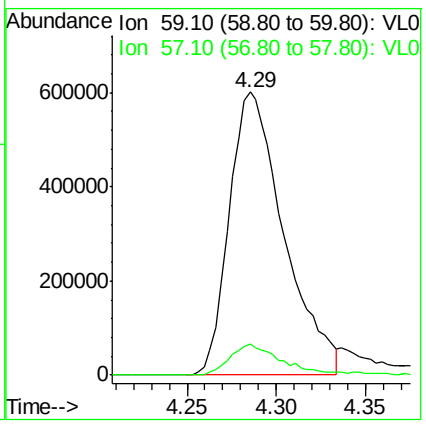


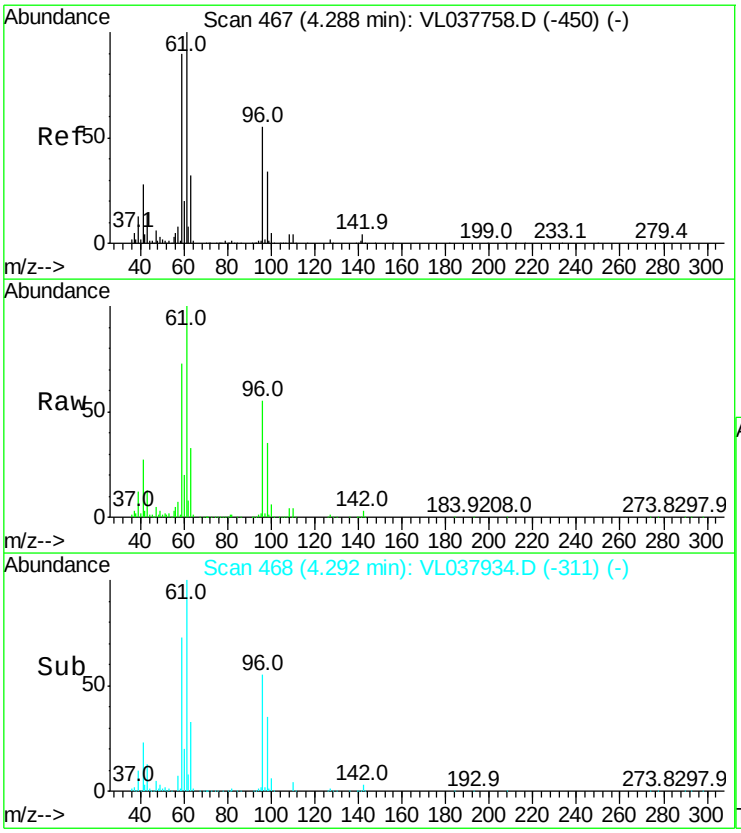
#17
tert-Butyl alcohol
Concen: 8.529 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 59 Resp: 1282778

Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.6	13.0

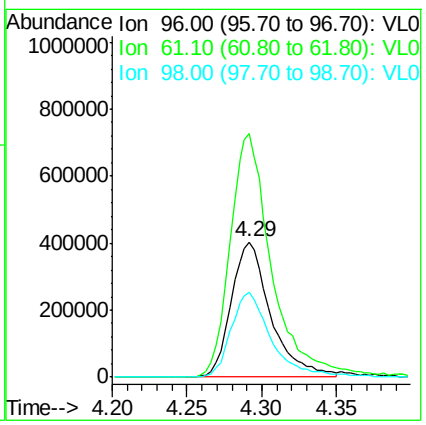


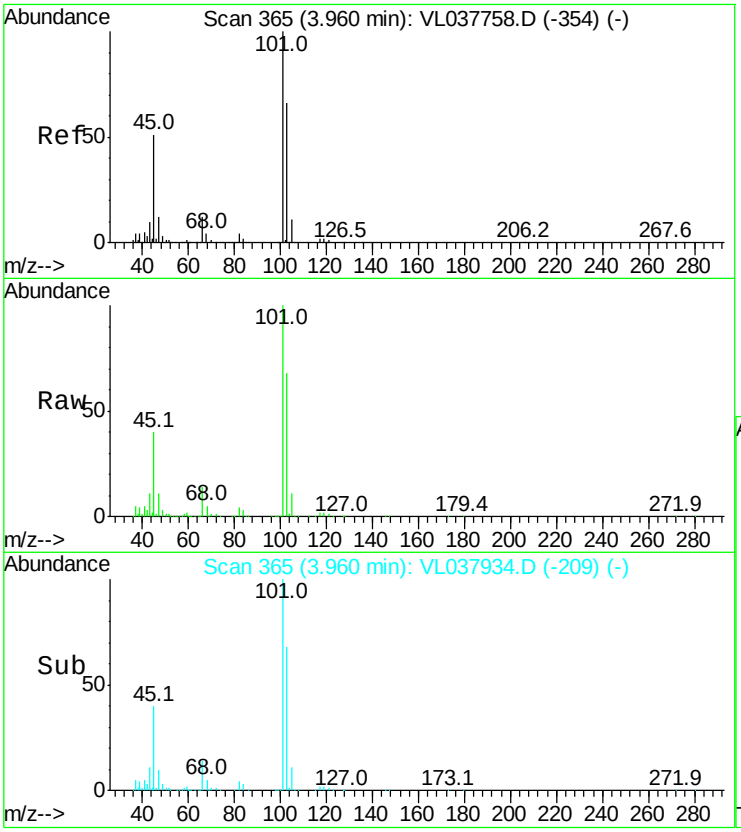


#18
1,1-Dichloroethene
Concen: 9.284 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 96 Resp: 741100

Ion	Ratio	Lower	Upper
96	100		
61	180.4	146.2	219.4
98	63.1	50.0	75.0



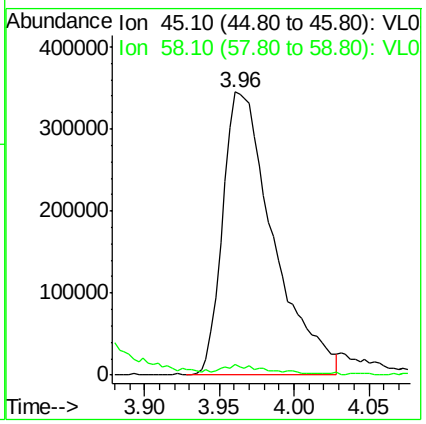


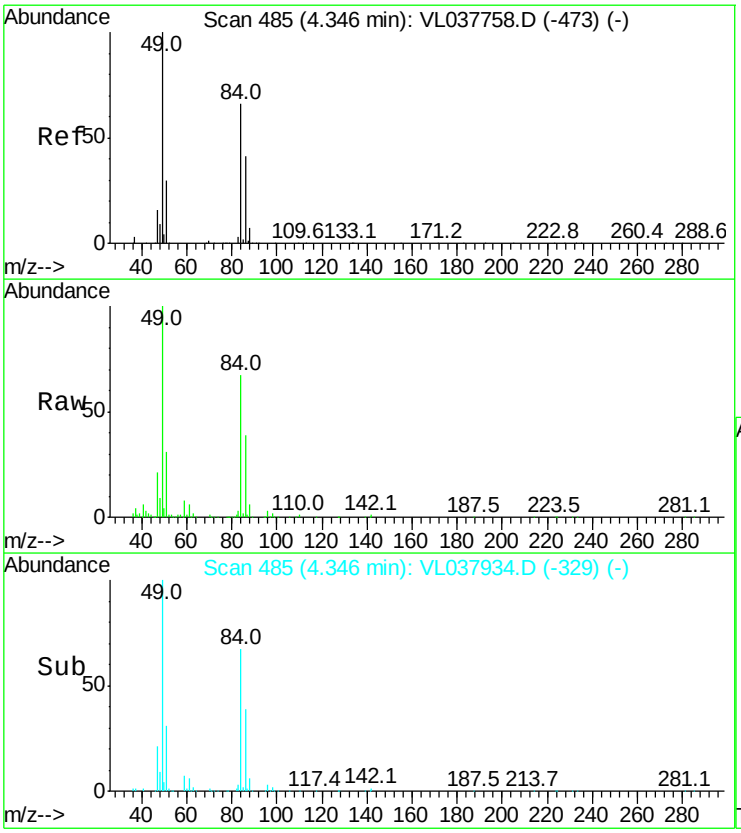
#19
Isopropyl Alcohol
Concen: 8.912 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 809716

Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.1	1.7#

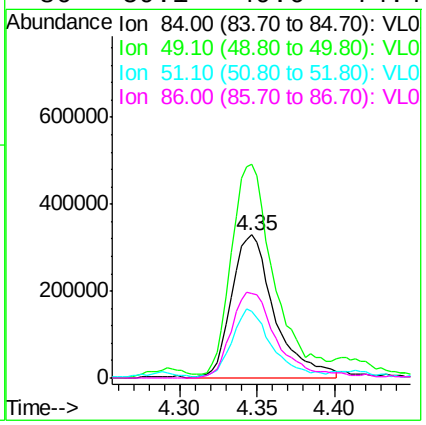


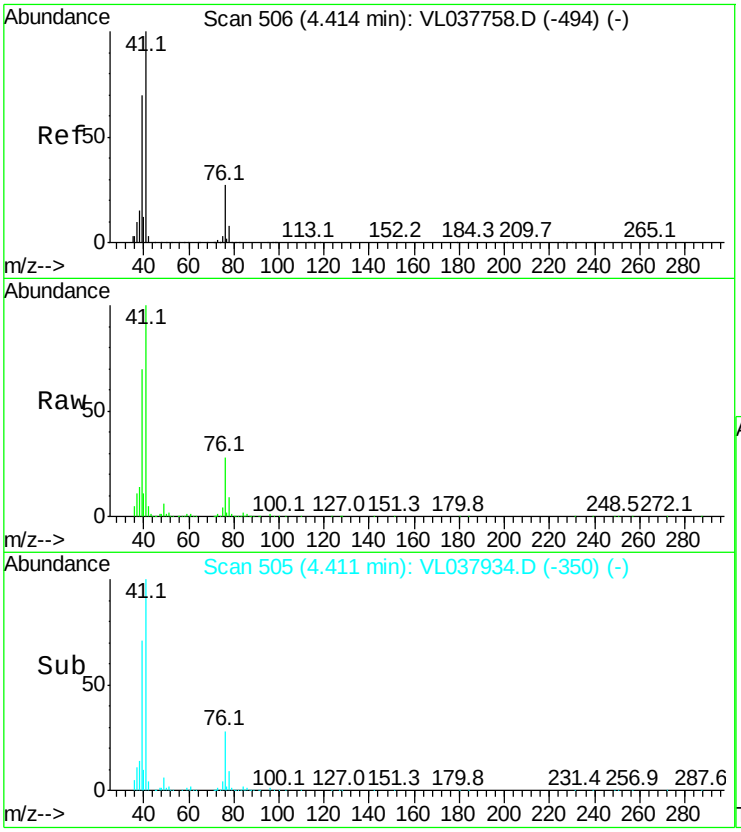


#20
Methylene Chloride
Concen: 8.528 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 84 Resp: 629259

Ion	Ratio	Lower	Upper
84	100		
49	146.9	120.7	181.1
51	44.9	36.2	54.4
86	59.1	49.6	74.4



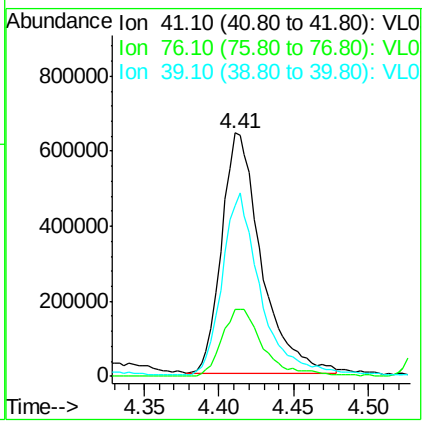


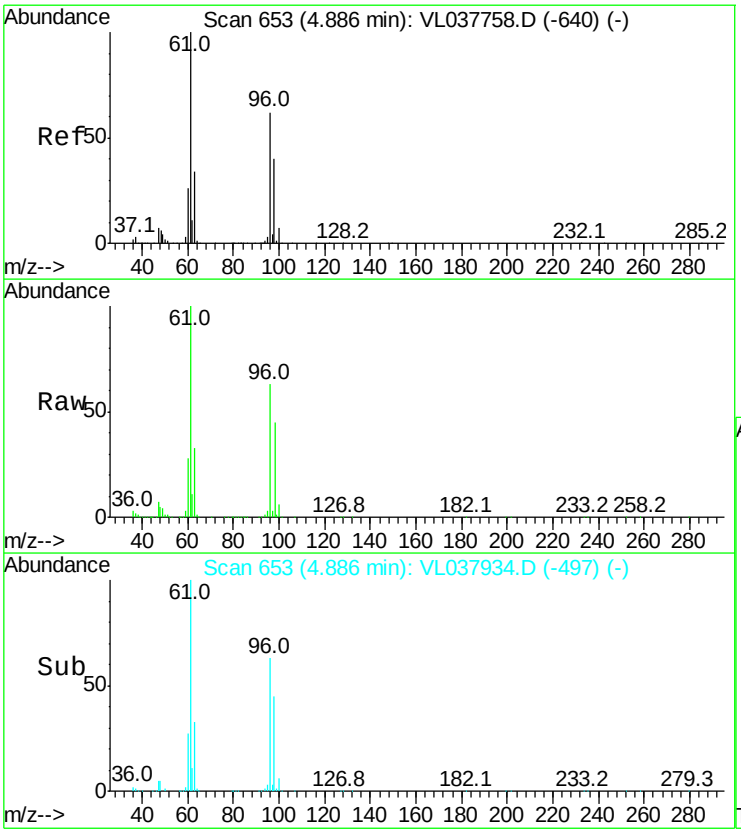
#21
Allyl Chloride
Concen: 9.064 ppbv
RT: 4.41
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 41 Resp: 1172657

Ion	Ratio	Lower	Upper
41	100		
76	29.5	22.4	33.6
39	74.6	58.0	87.0

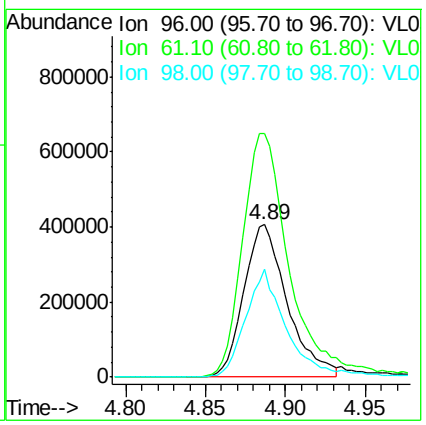


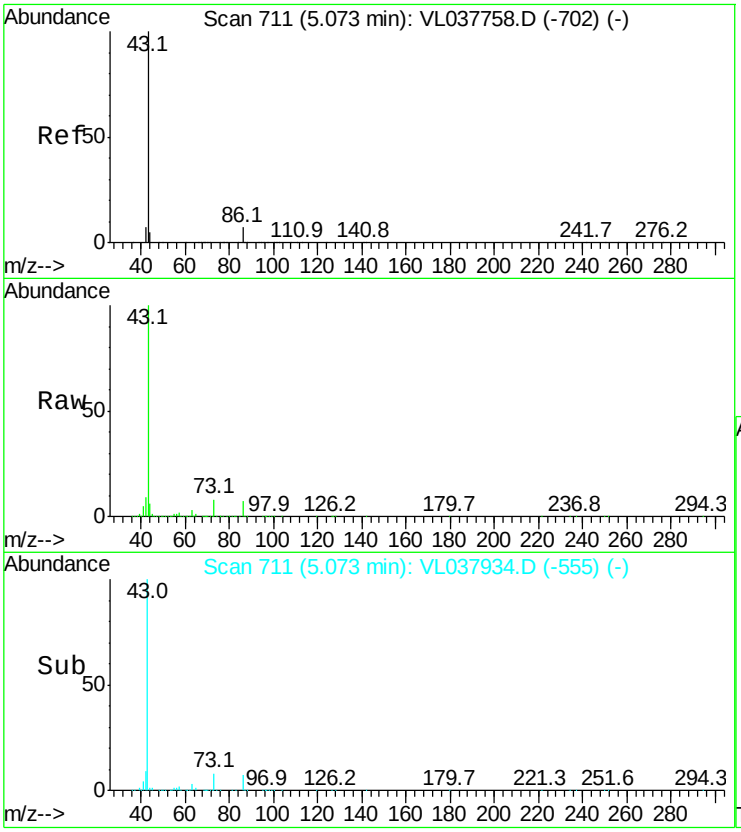


#22
trans-1,2-Dichloroethene
Concen: 9.450 ppbv
RT: 4.89 min Scan# 653
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 96 Resp: 758432

Ion	Ratio	Lower	Upper
96	100		
61	159.7	129.0	193.6
98	71.1	51.7	77.5



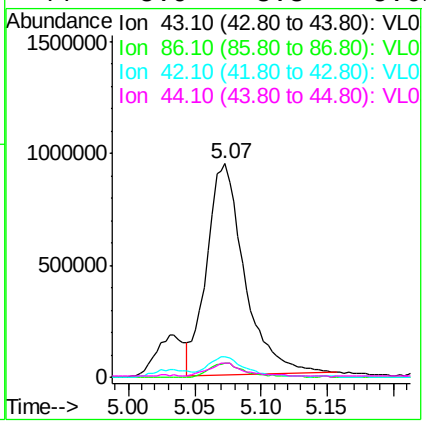


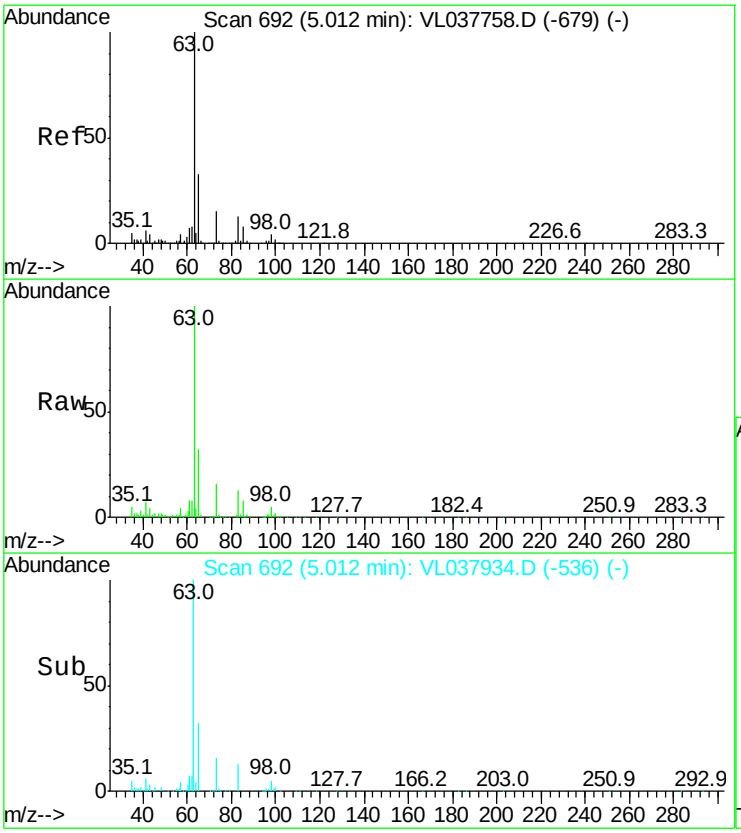
#23
Vinyl Acetate
Concen: 8.527 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 1 Nov 2021 9:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1866037

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.0	7.4
42	9.3	7.4	11.0
44	5.9	3.8	5.6#





#24
1,1-Dichloroethane
Concen: 9.648 ppbv
RT: 5.01 min Scan# 692
Delta R.T. 0.00 min
Lab File: VL037934.D
Acq: 1 Nov 2021 9:22

Tgt Ion: 63 Resp: 1537083

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.3	6.9
100	2.4	1.1	3.1