Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
Data File : VL038703.D
Acq On : 23 Mar 2022 3:42
Operator : SY/AP
Sample : N2046-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Quant Time: Mar 23 04:18:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	808221	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2199929	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.06	117	2017761	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1448842	9.37	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	24386	0.22	ppbv		98
3) Chlorodifluoromethane	2.98	51	19646	0.23	ppbv	#	91
4) Chloromethane	3.13	50	8021	0.17	ppbv	#	86
9) Propene	3.00	41	77863	1.89	ppbv		97
11) Trichlorofluoromethane	3.94	101	21195	0.22	ppbv		97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2614	0.04	ppbv	#	10
13) Ethanol	3.59	45	115070	25.31	ppbv		84
15) Acetone	3.84	43	1291071	18.51	ppbv	#	89
16) 1,3-Butadiene	3.30	39	141222	3.57	ppbv	#	12
17) tert-Butyl alcohol	4.28	59	44057	0.72	ppbv	#	89
19) Isopropyl Alcohol	3.96	45	40958	1.06	ppbv	#	91
20) Methylene Chloride	4.33	84	19638	0.67	ppbv		96
21) Allyl Chloride	4.28	41	6192	0.12	ppbv	#	45
23) Vinyl Acetate	5.15	43	17345	0.26	ppbv	#	1
25) Ethyl Acetate	5.67	43	23495	0.13	ppbv	#	90
26) Hexane	5.67	57	25361	0.32	ppbv	#	4
27) Carbon Disulfide	4.54	76	4885	0.06	ppbv	#	76
34) 2-Butanone	5.22	43	1413673	16.24	ppbv		98
36) Benzene	6.88	78	19233	0.11	ppbv		99
39) 1,2-Dichloropropane	7.15	63	477048	7.19	ppbv	#	28
41) Tetrahydrofuran	6.04	42	4993	0.08	ppbv	#	35
51) 2-Hexanone	10.12	43	135185	1.16	ppbv	#	98
52) Tetrachloroethene	11.20	164	888705	14.30	ppbv		95
53) Toluene	9.78	91	148436	0.81	ppbv		99
58) Ethyl Benzene	12.69	91	11793	0.05	ppbv		99
59) m/p-Xylene	12.96	91	4421	0.02	ppbv	#	30
60) o-Xylene	13.66	91	8996	0.05	ppbv	#	55
65) tert-Butylbenzene	16.96	119	102723	0.39	ppbv	#	26
66) Benzyl Chloride	16.95	91	1596	0.03	ppbv	#	65
74) 1,2,4-Trimethylbenzene	16.73	105	5190	0.02	ppbv	#	58
75) 1,3-Dichlorobenzene	16.97	146	19063	0.13	ppbv	#	1
80) Naphthalene,2-methyl-	24.95	142	1156	0.02	ppbv	#	2

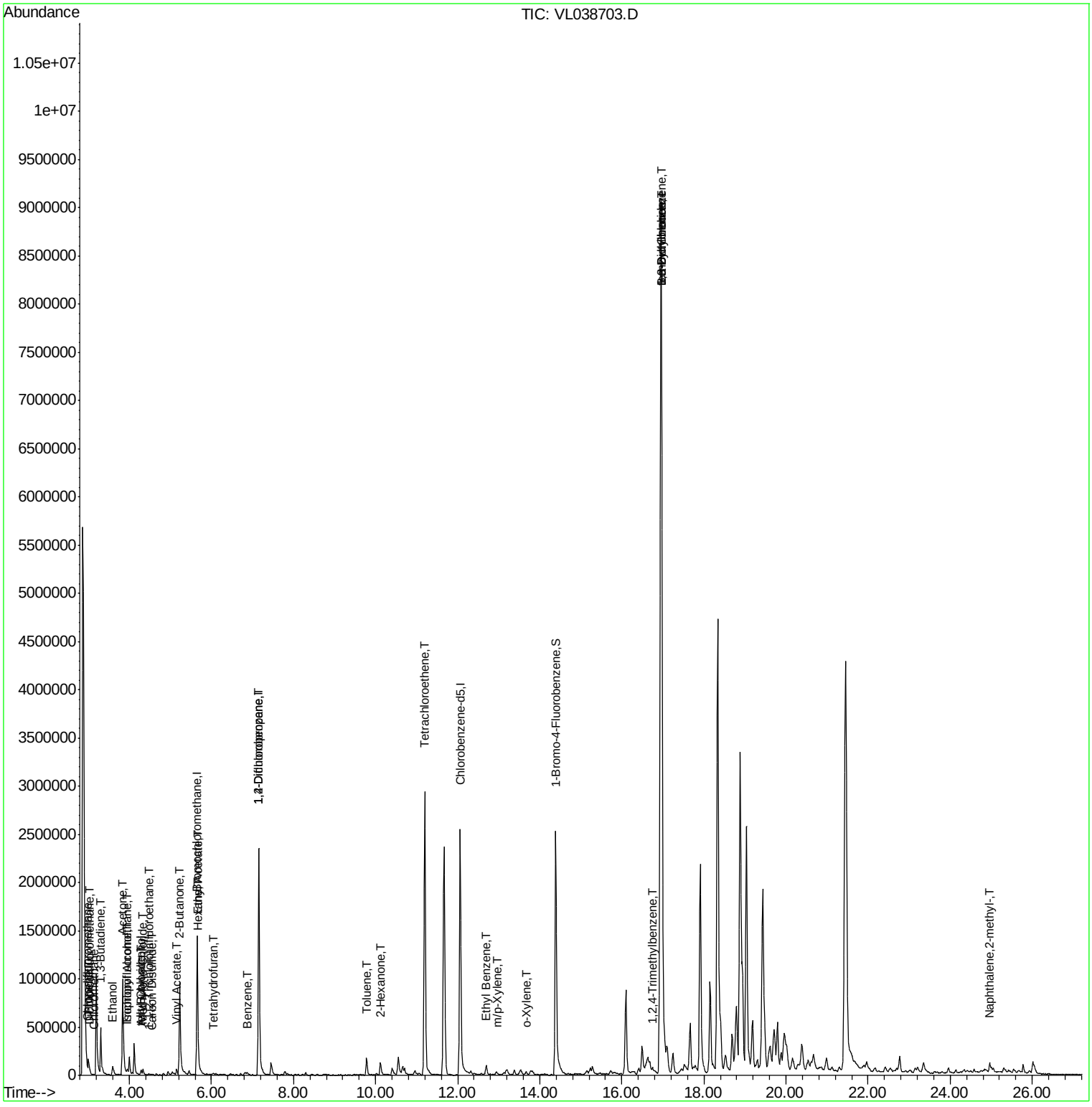
(#) = qualifier out of range (m) = manual integration (+) = signals summed

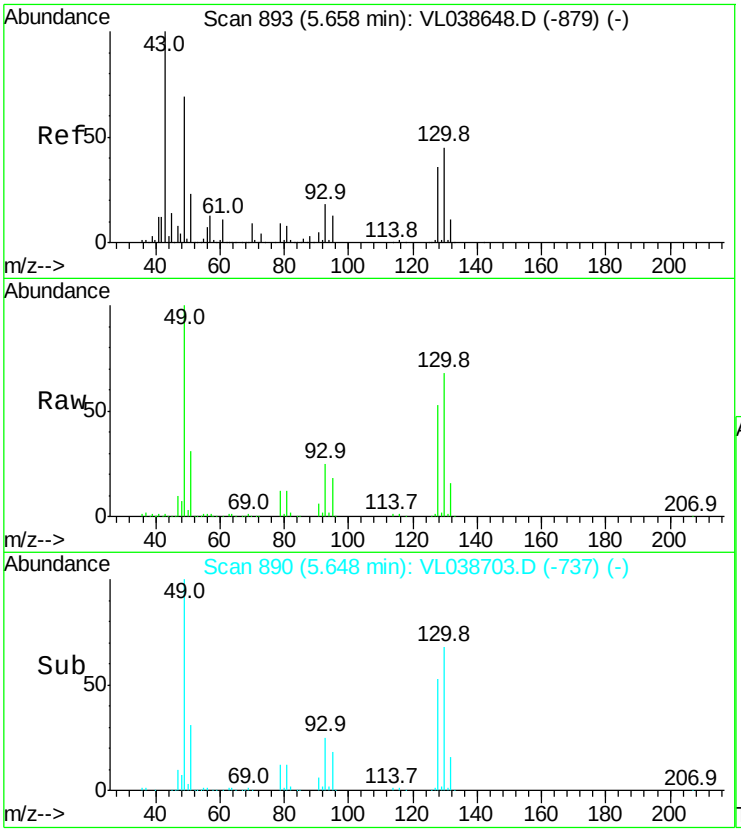
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032222\
Data File : VL038703.D
Acq On : 23 Mar 2022 3:42
Operator : SY/AP
Sample : N2046-02
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Quant Time: Mar 23 04:18:37 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



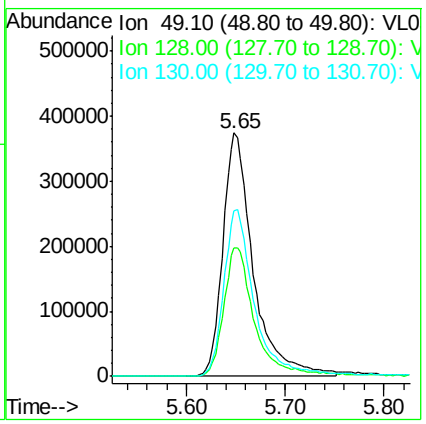


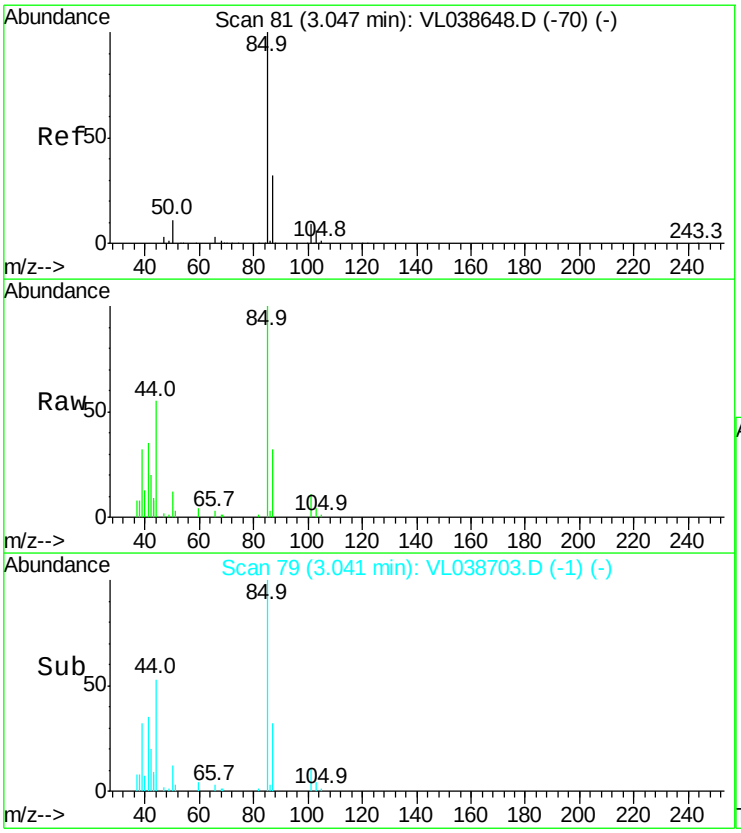
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 49 Resp: 808221

Ion	Ratio	Lower	Upper
49	100		
128	54.2	26.2	78.6
130	70.5	33.7	101.1

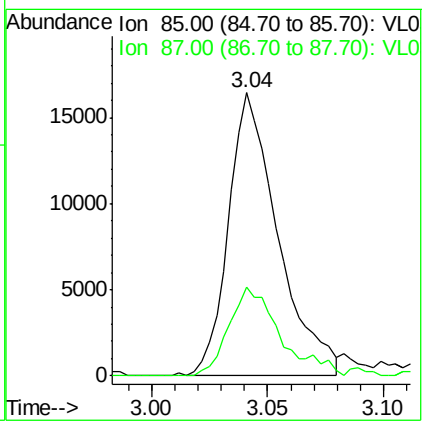


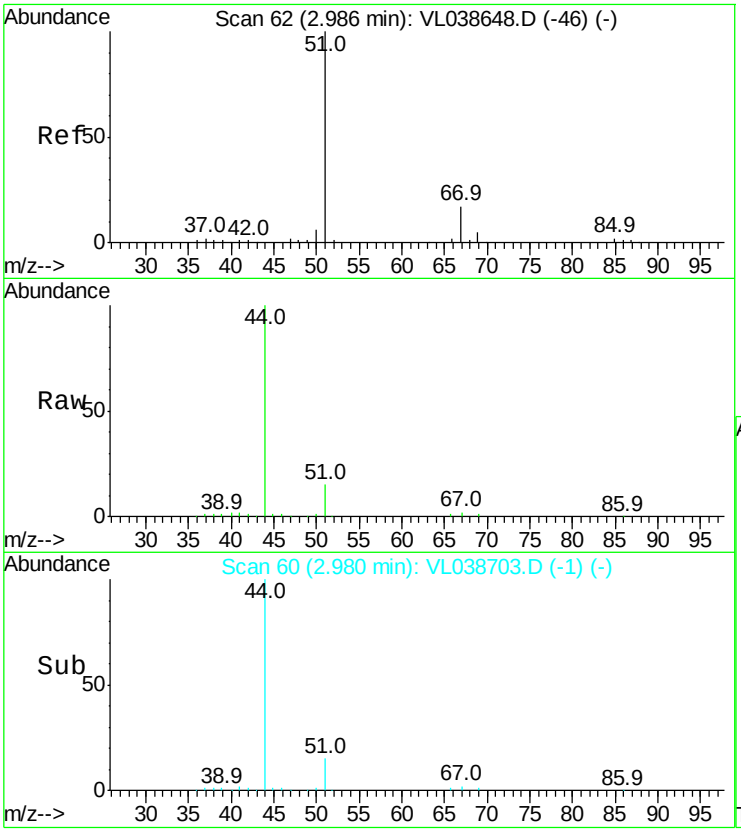


#2
Dichlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 85 Resp: 24386

Ion	Ratio	Lower	Upper
85	100		
87	31.6	26.0	39.0



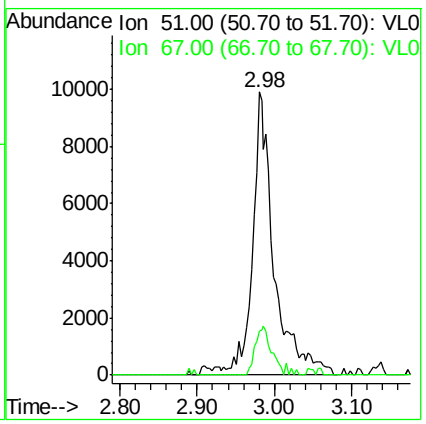


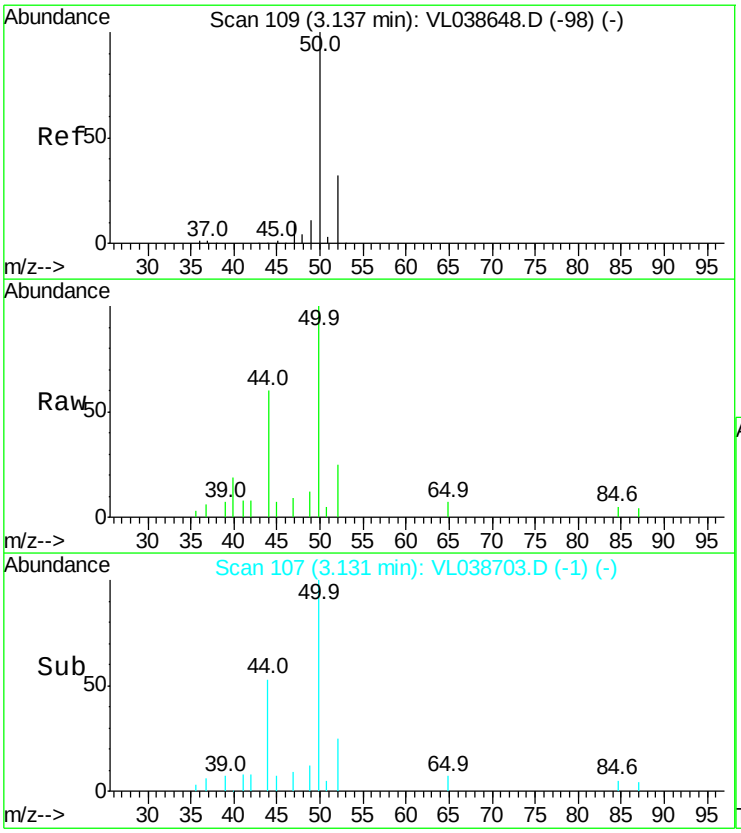
#3
Chlorodifluoromethane
Concen: 0.23 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 51 Resp: 19646

Ion	Ratio	Lower	Upper
51	100		
67	13.7	14.1	21.1#

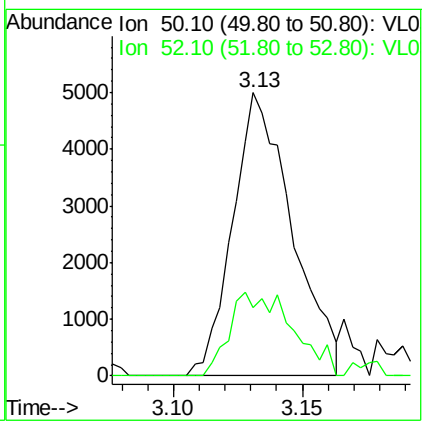


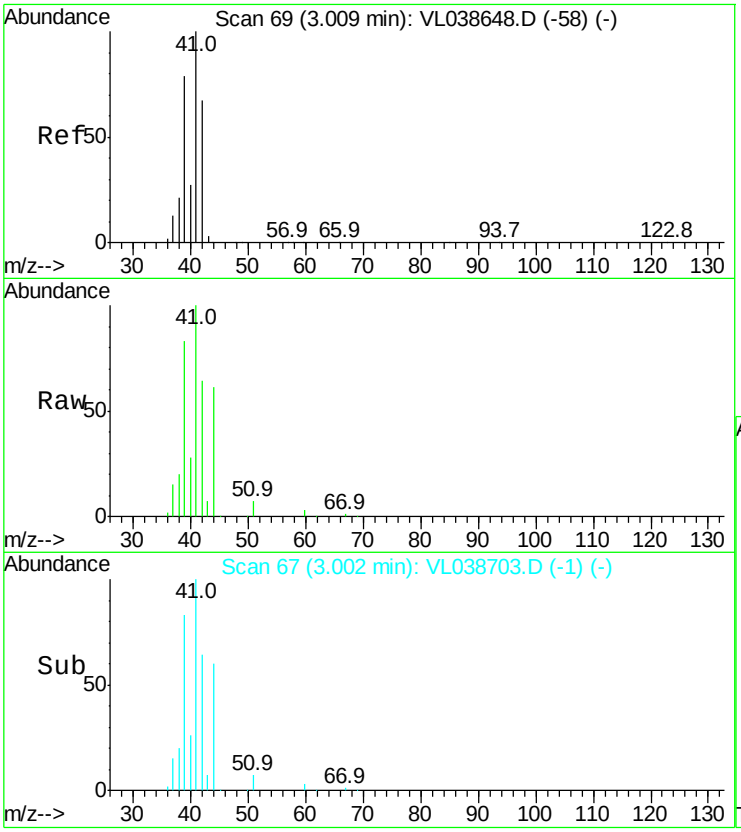


#4
Chloromethane
Concen: 0.17 ppbv
RT: 3.13 min Scan# 107
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 50 Resp: 8021

Ion	Ratio	Lower	Upper
50	100		
52	24.0	25.5	38.3#



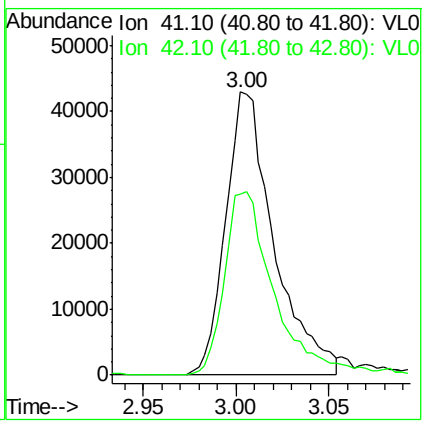


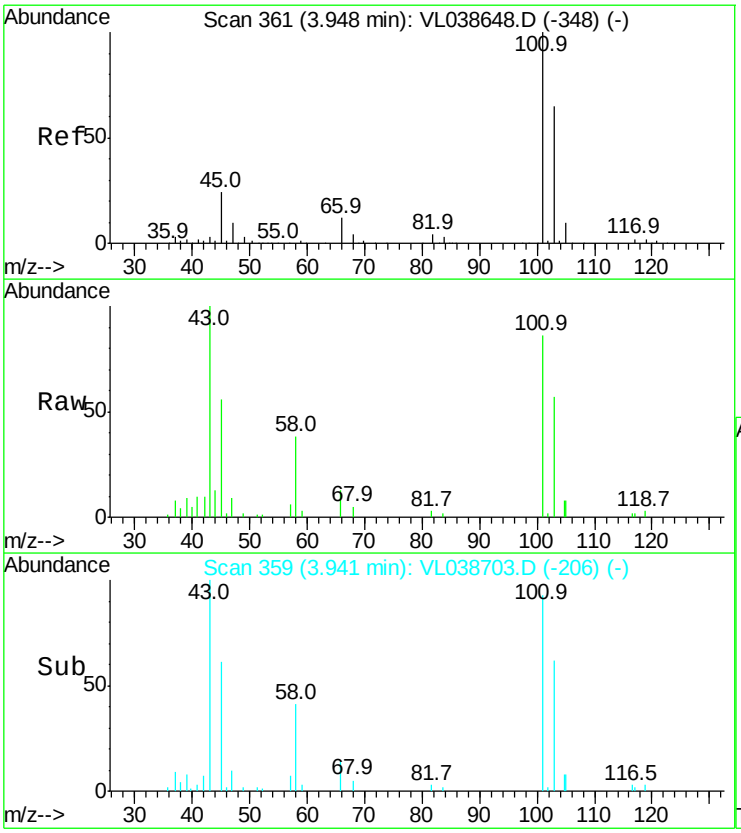
#9
Propene
Concen: 1.89 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 41 Resp: 77863

Ion	Ratio	Lower	Upper
41	100		
42	67.7	56.2	84.4

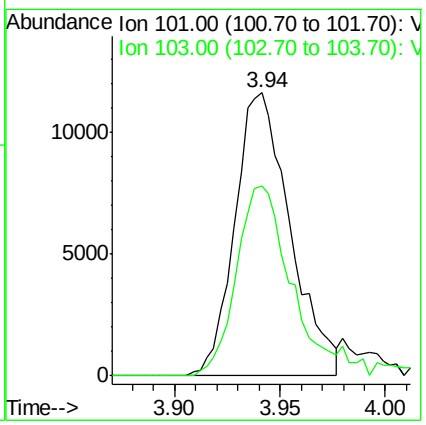


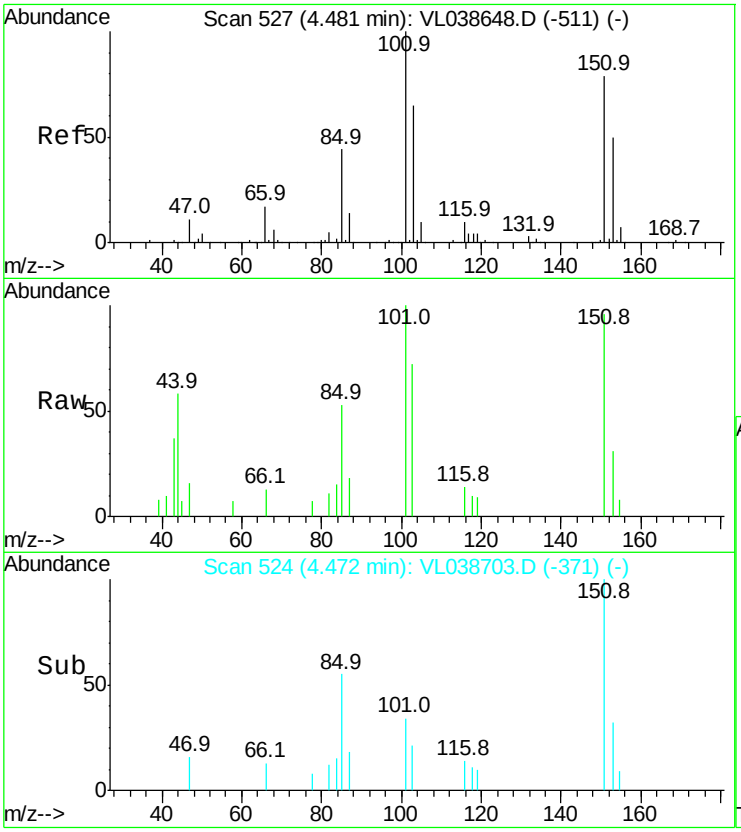


#11
Trichlorofluoromethane
Concen: 0.22 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion:101 Resp: 21195

Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.9	77.9



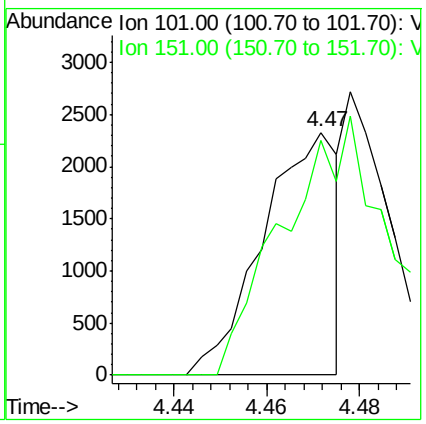


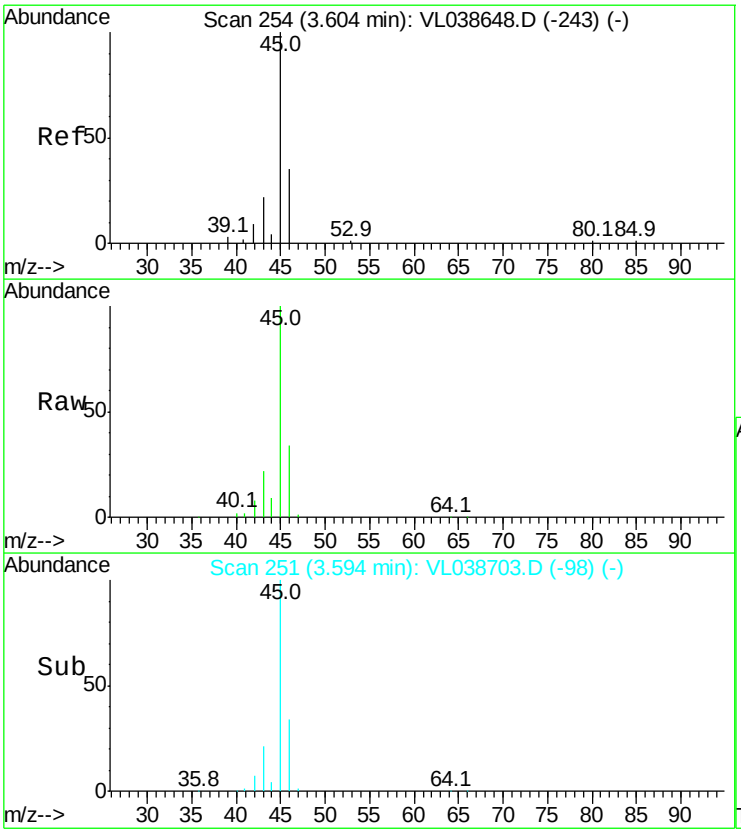
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.04 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:101 Resp: 2614

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#

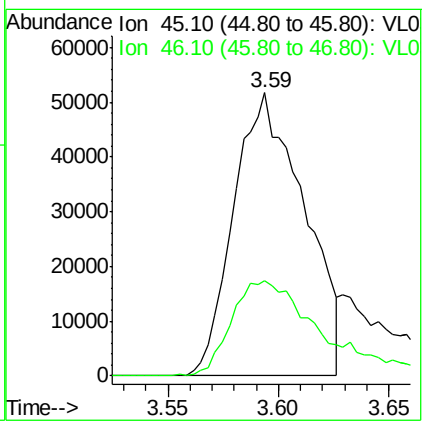


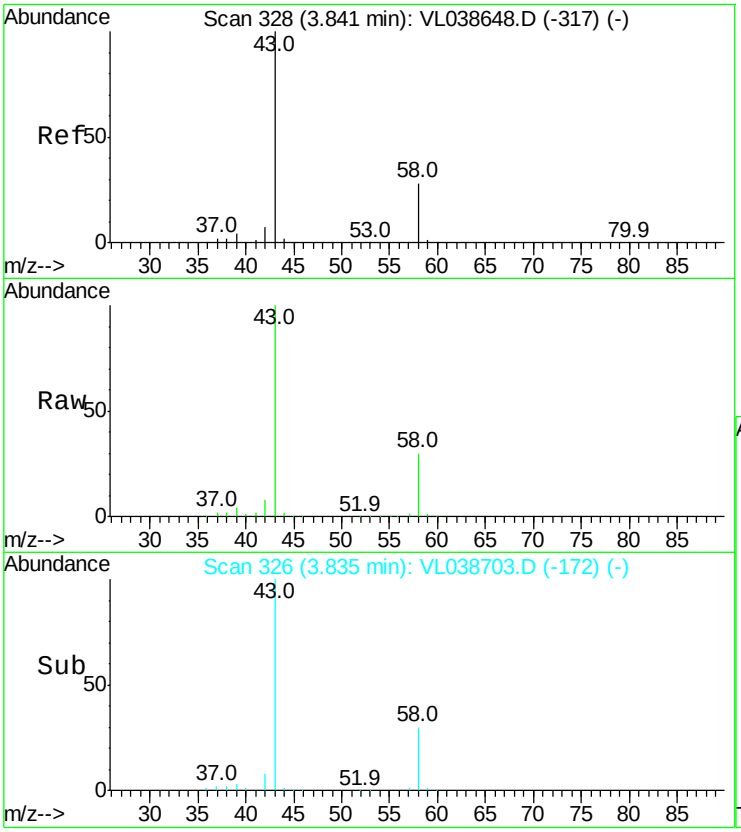


#13
Ethanol
Concen: 25.31 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 45 Resp: 115070

Ion	Ratio	Lower	Upper
45	100		
46	47.5	15.1	60.5



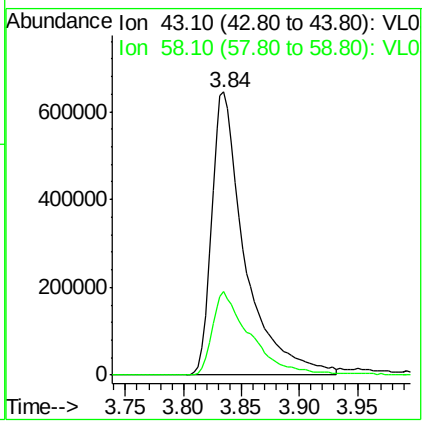


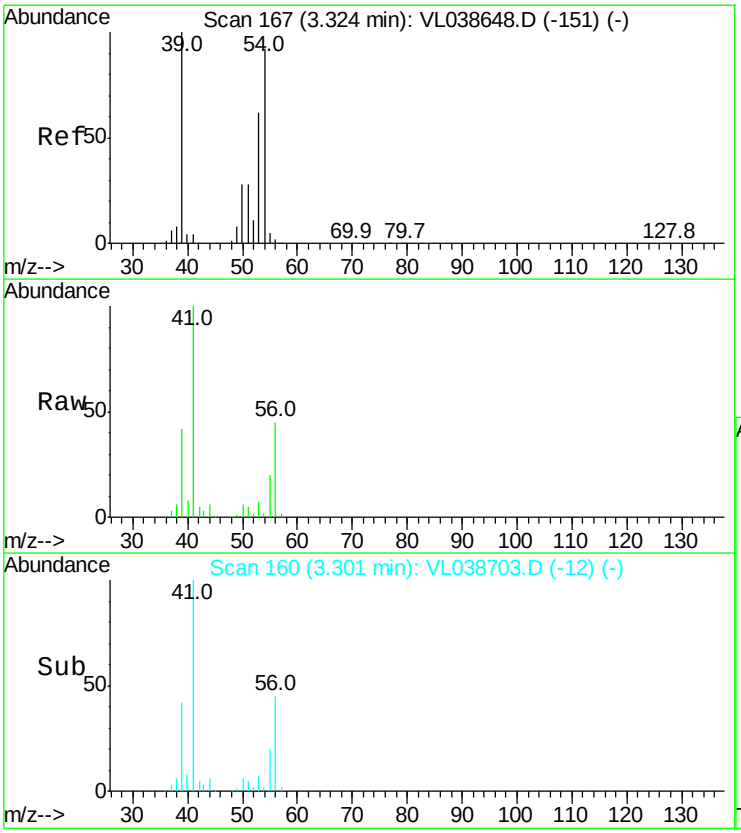
#15
Acetone
Concen: 18.51 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 43 Resp: 1291071

Ion	Ratio	Lower	Upper
43	100		
58	35.0	23.3	34.9#

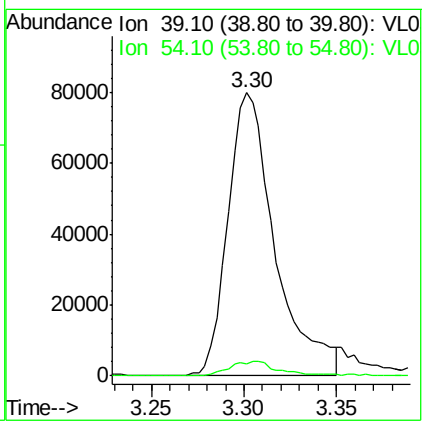


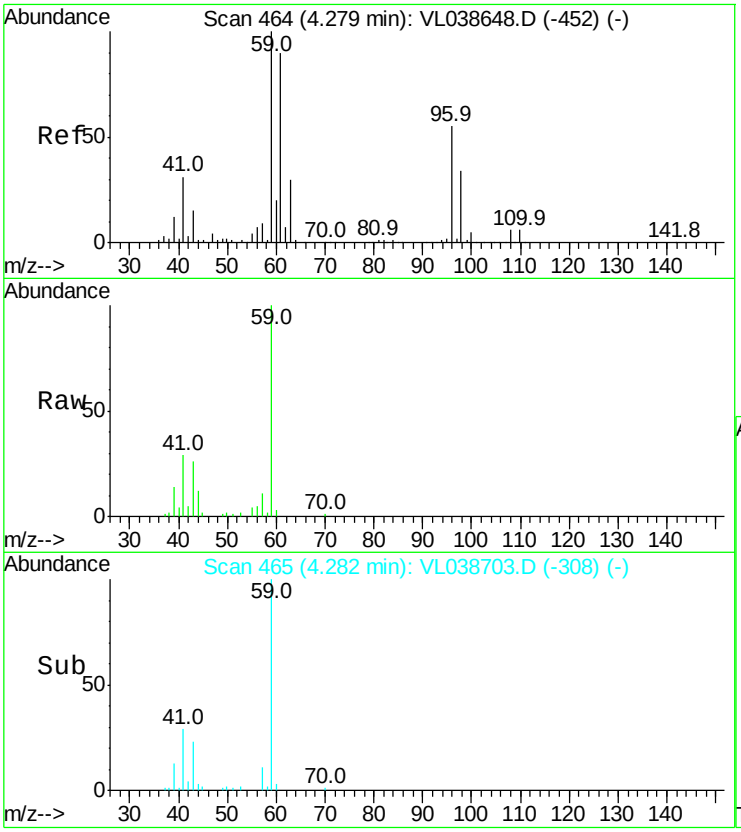


#16
1,3-Butadiene
Concen: 3.57 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.02 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 39 Resp: 141222

Ion	Ratio	Lower	Upper
39	100		
54	5.8	69.1	103.7#



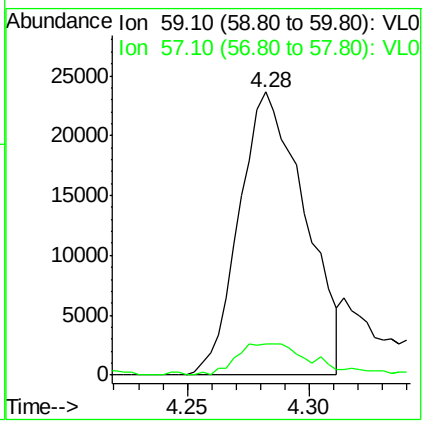


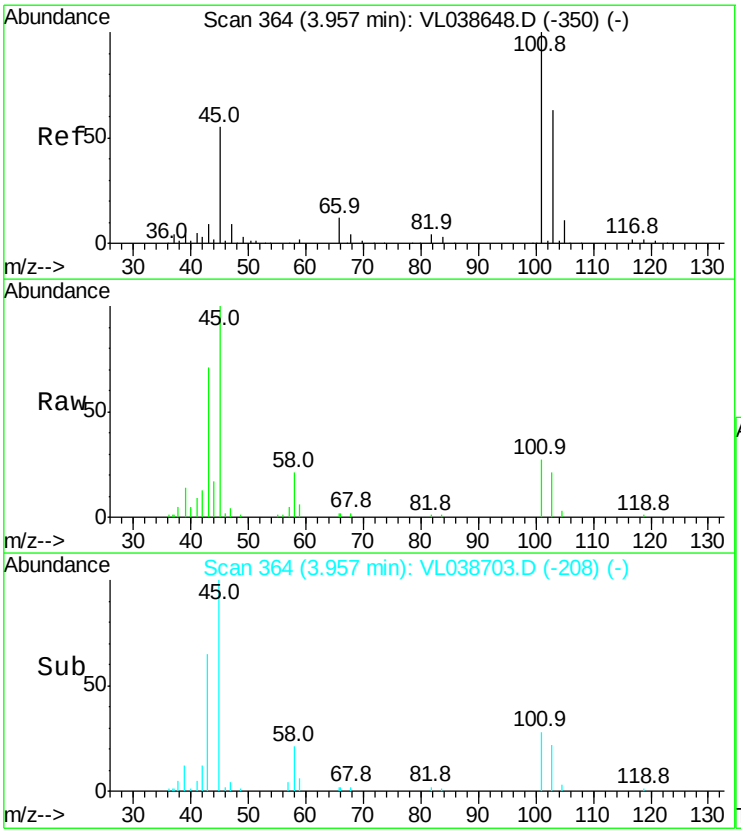
#17
tert-Butyl alcohol
Concen: 0.72 ppbv
RT: 4.28
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 59 Resp: 44057

Ion	Ratio	Lower	Upper
59	100		
57	14.2	8.2	12.2#

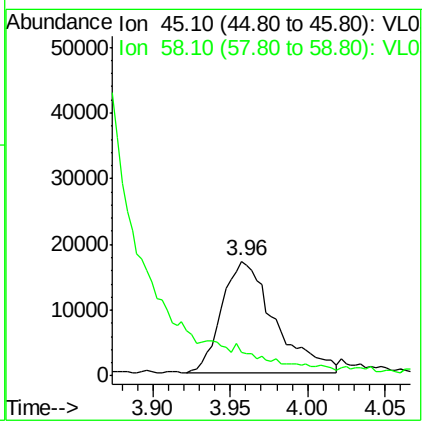


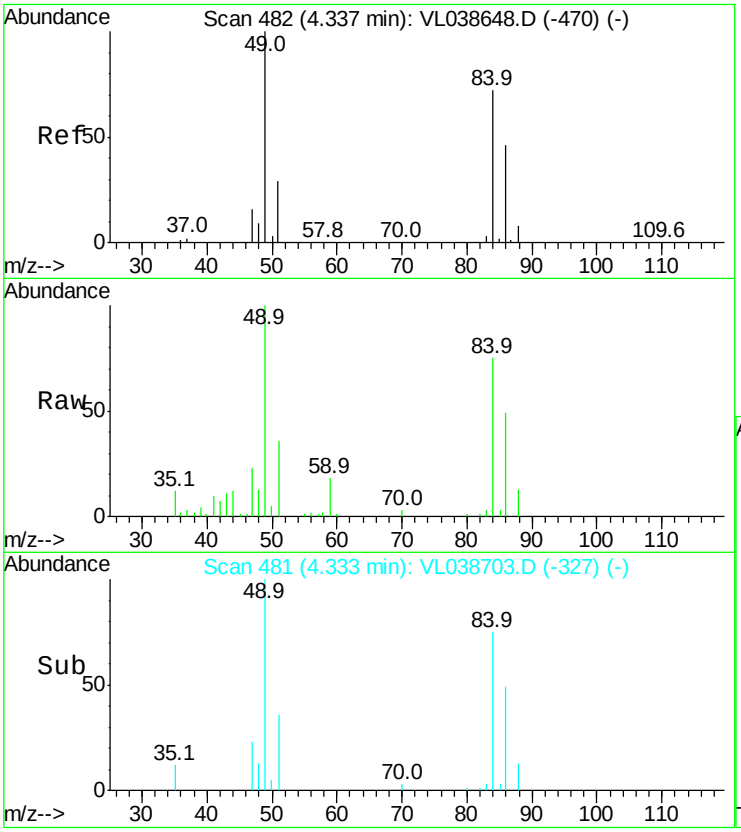


#19
Isopropyl Alcohol
Concen: 1.06 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 45 Resp: 40958

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#



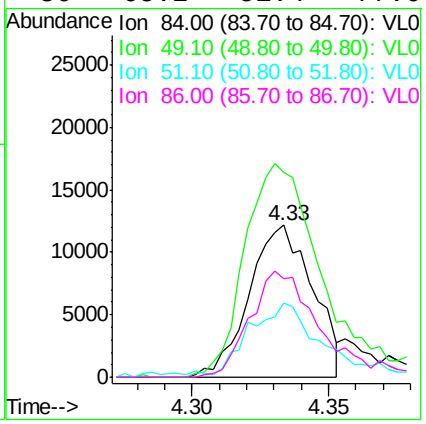


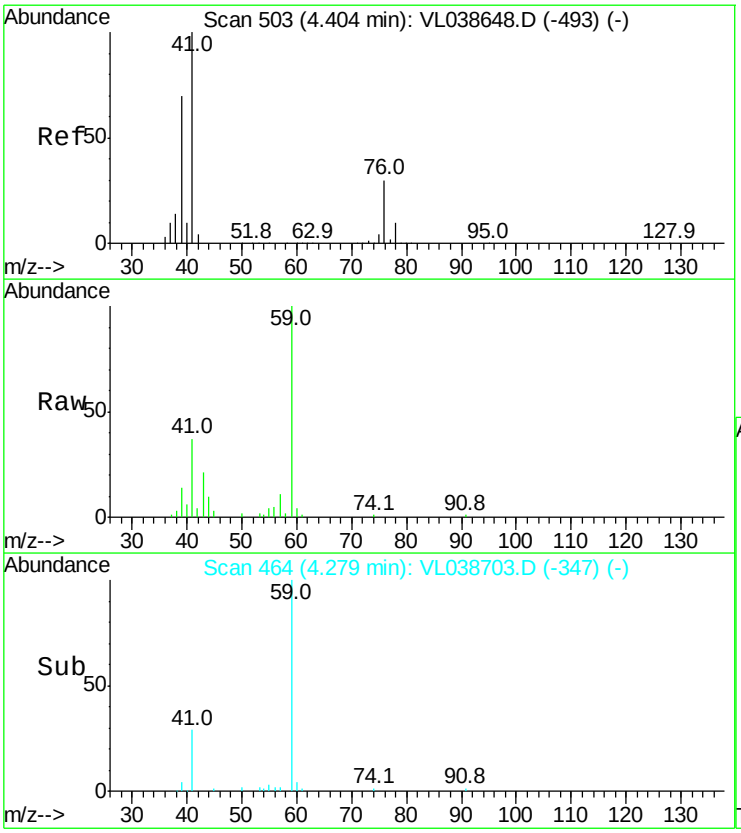
#20
Methylene Chloride
Concen: 0.67 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 84 Resp: 19638

Ion	Ratio	Lower	Upper
84	100		
49	134.2	111.2	166.8
51	47.0	32.8	49.2
86	65.2	51.4	77.0

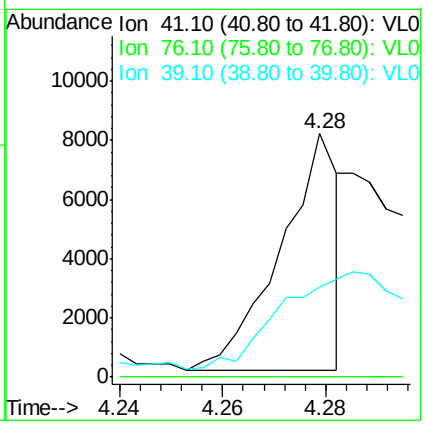


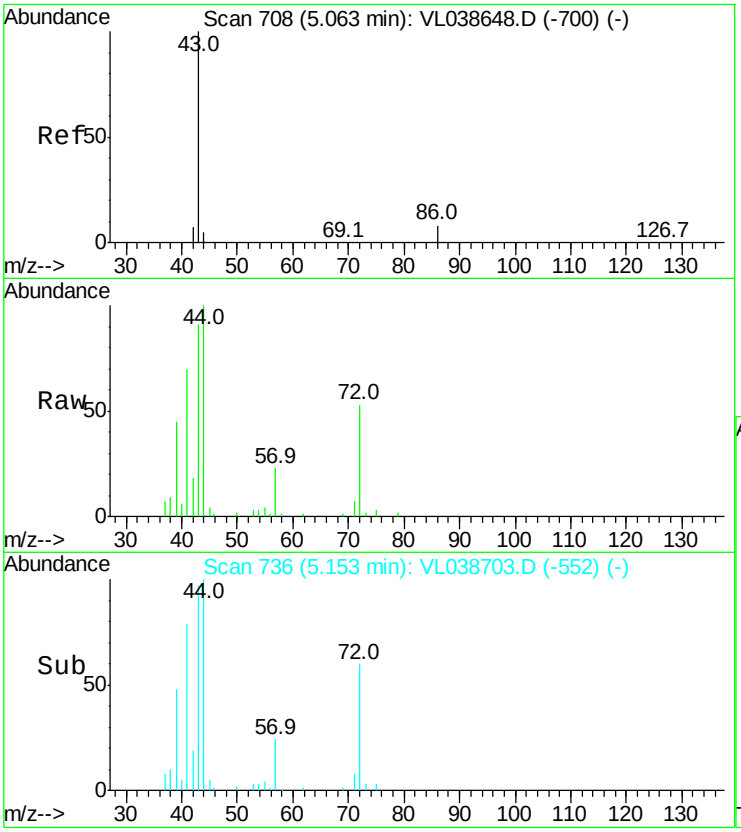


#21
Allyl Chloride
Concen: 0.12 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.13 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 41 Resp: 6192

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	115.7	56.6	85.0#



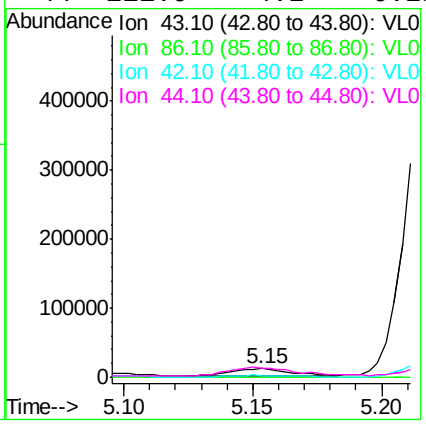


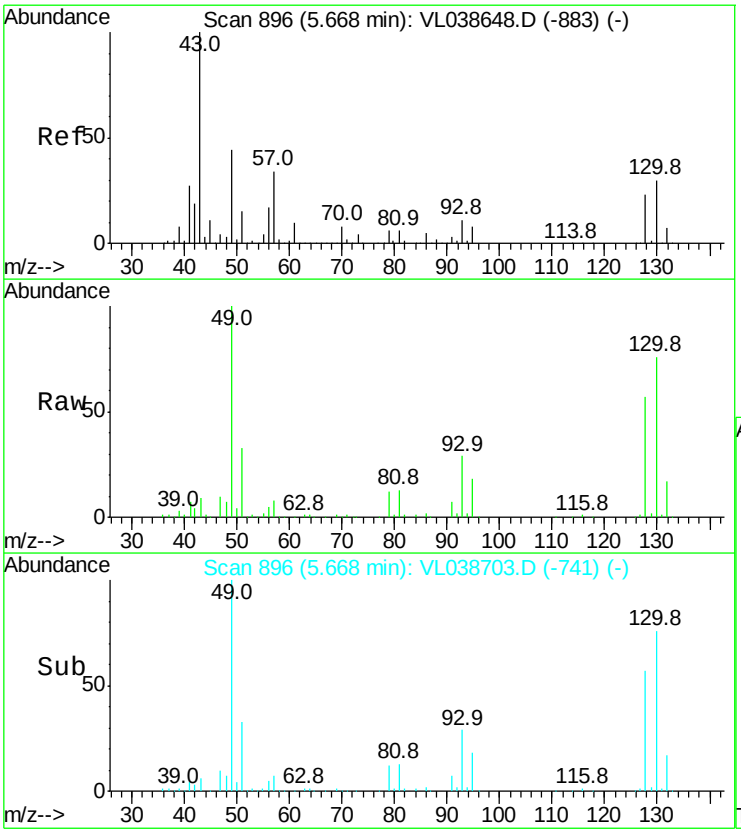
#23
Vinyl Acetate
Concen: 0.26 ppbv
RT: 5.15
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 43 Resp: 17345

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.6	8.4#
42	19.0	6.8	10.2#
44	111.9	4.2	6.2#

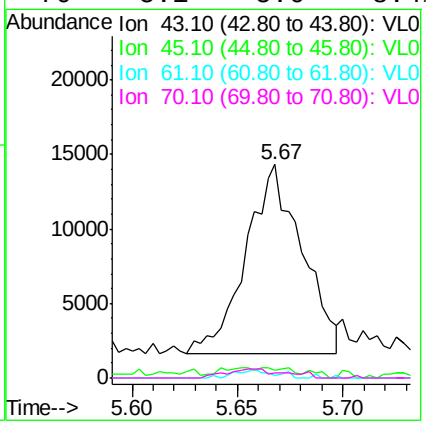


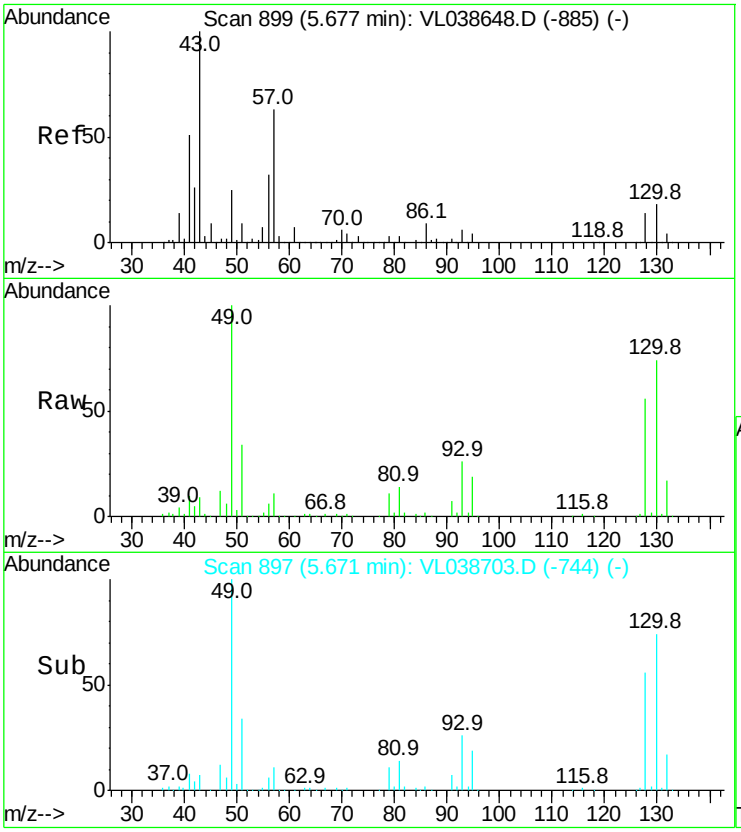


#25
Ethyl Acetate
Concen: 0.13 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 43 Resp: 23495

Ion	Ratio	Lower	Upper
43	100		
45	8.4	8.2	12.4
61	3.3	8.3	12.5#
70	5.1	5.6	8.4#



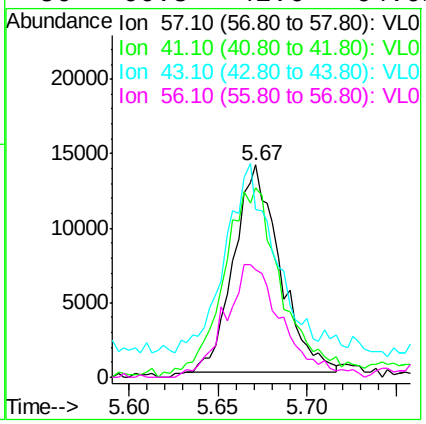


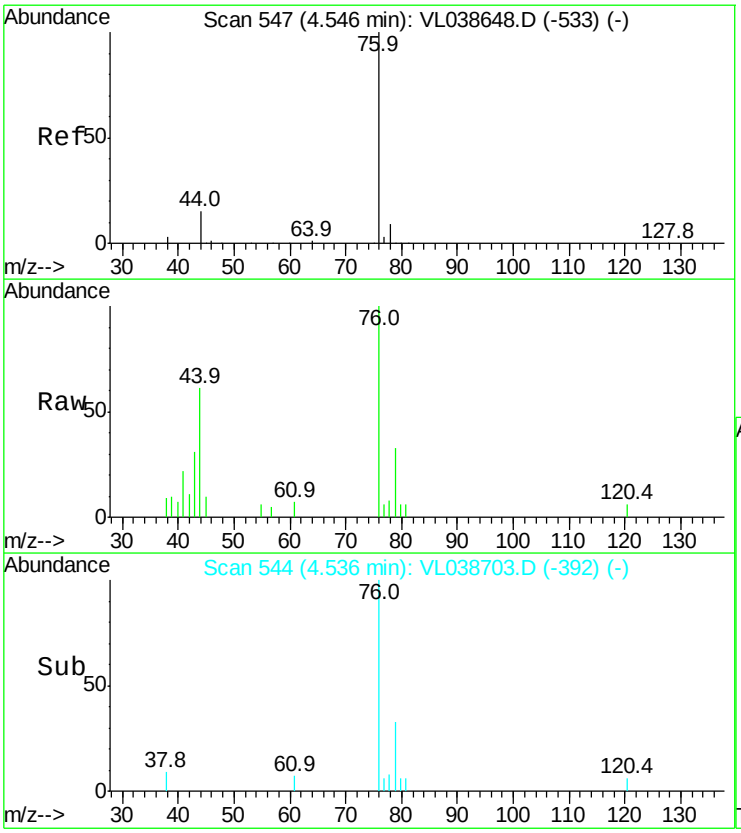
#26
Hexane
Concen: 0.32 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 57 Resp: 25361

Ion	Ratio	Lower	Upper
57	100		
41	109.5	67.0	100.4#
43	0.0	184.2	276.2#
56	66.8	42.6	64.0#

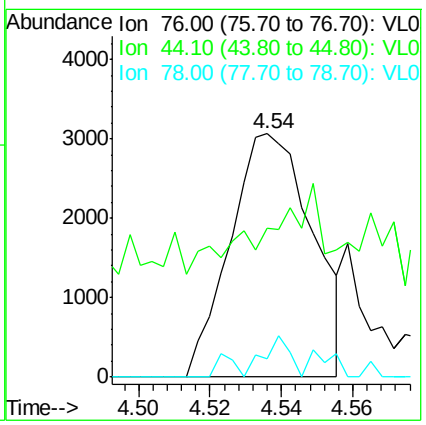


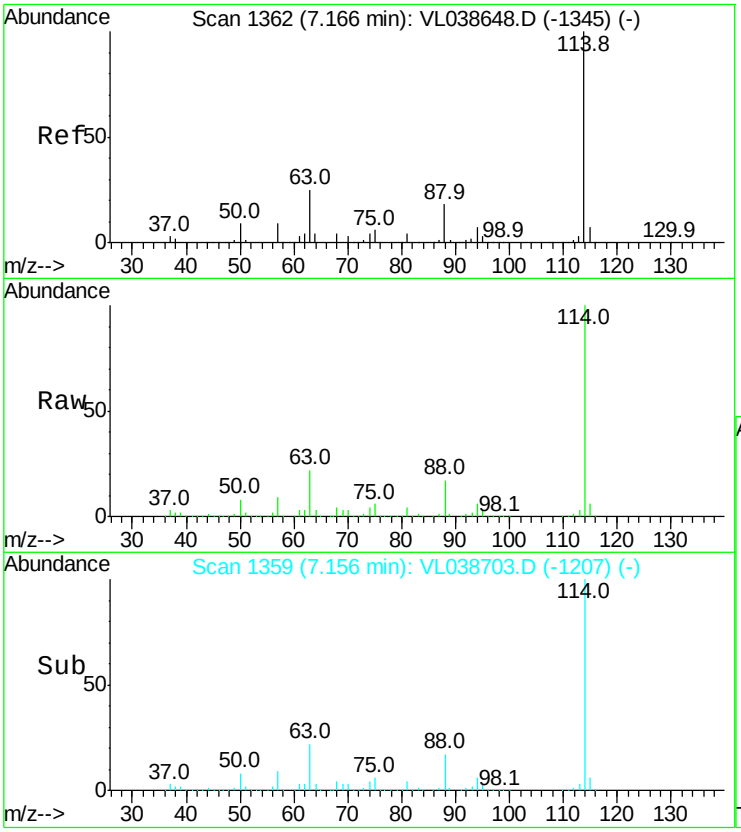


#27
Carbon Disulfide
Concen: 0.06 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 76 Resp: 4885

Ion	Ratio	Lower	Upper
76	100		
44	0.0	12.4	18.6#
78	11.5	7.8	11.8



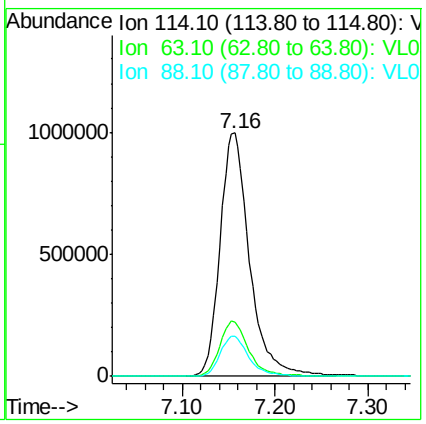


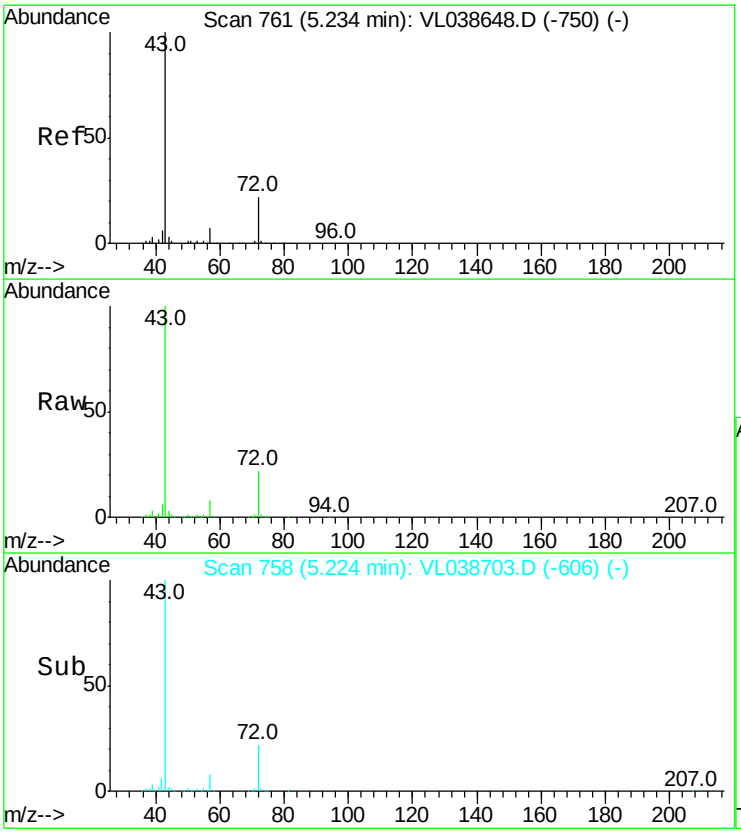
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:114 Resp: 2199929

Ion	Ratio	Lower	Upper
114	100		
63	22.3	19.4	29.0
88	16.5	13.9	20.9

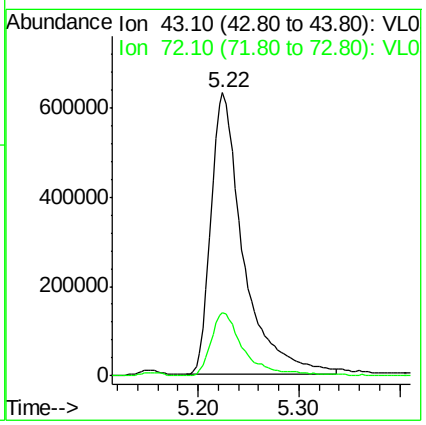


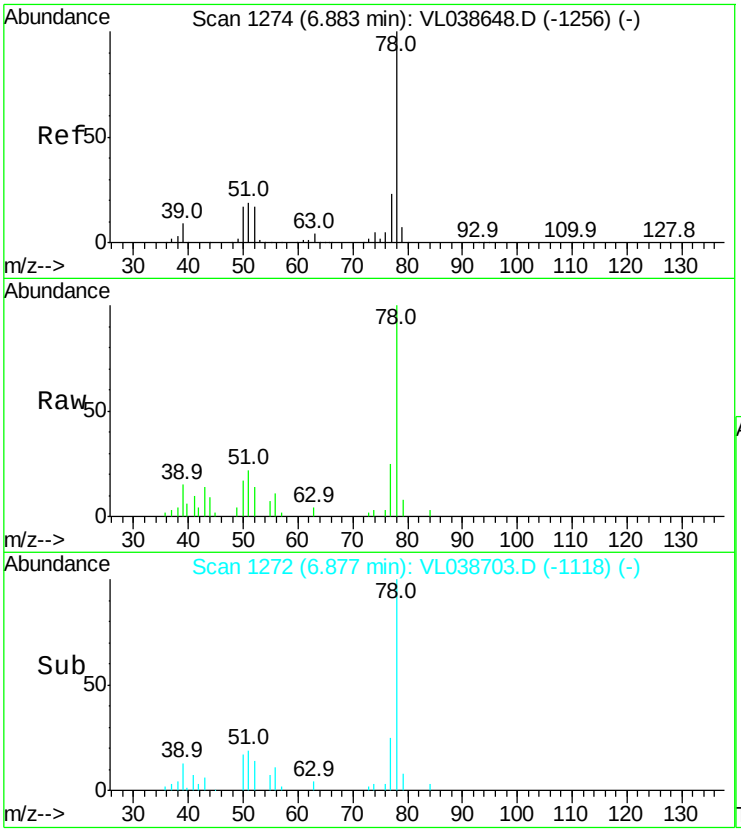


#34
2-Butanone
Concen: 16.24 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 43 Resp: 1413673

Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.8	26.8



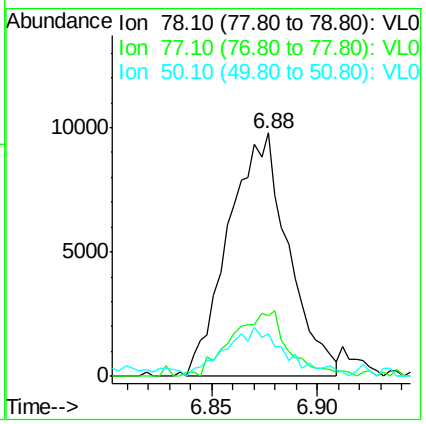


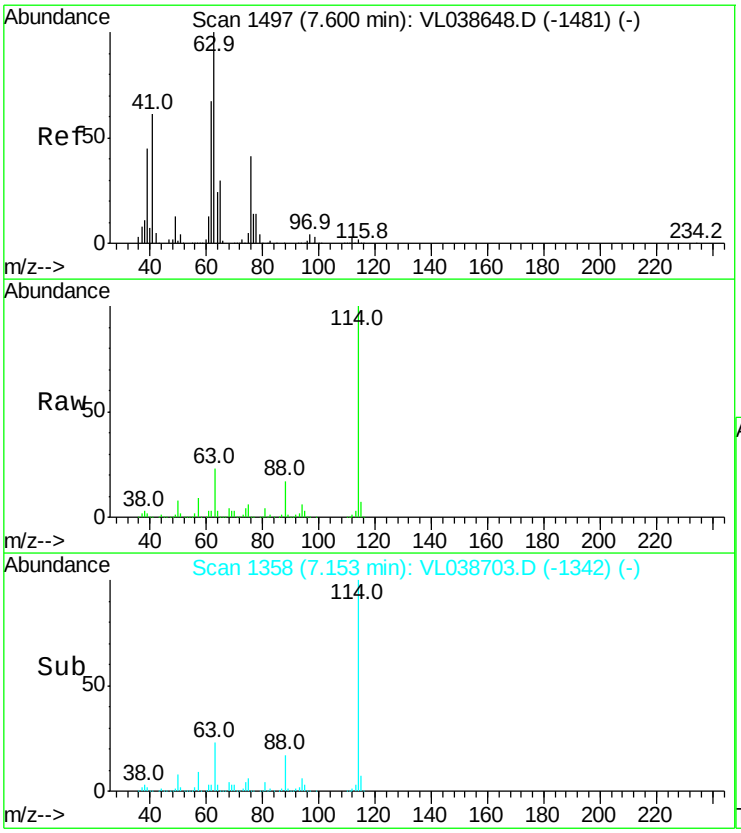
#36
Benzene
Concen: 0.11 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 78 Resp: 19233

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.1	27.1
50	17.4	13.6	20.4

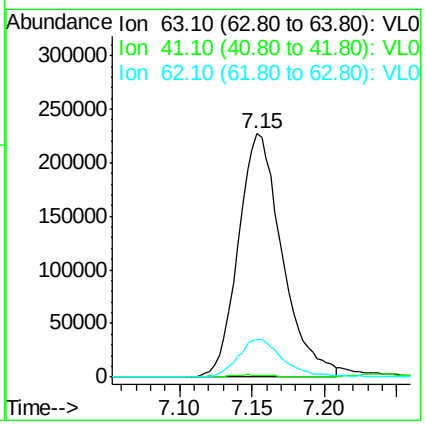


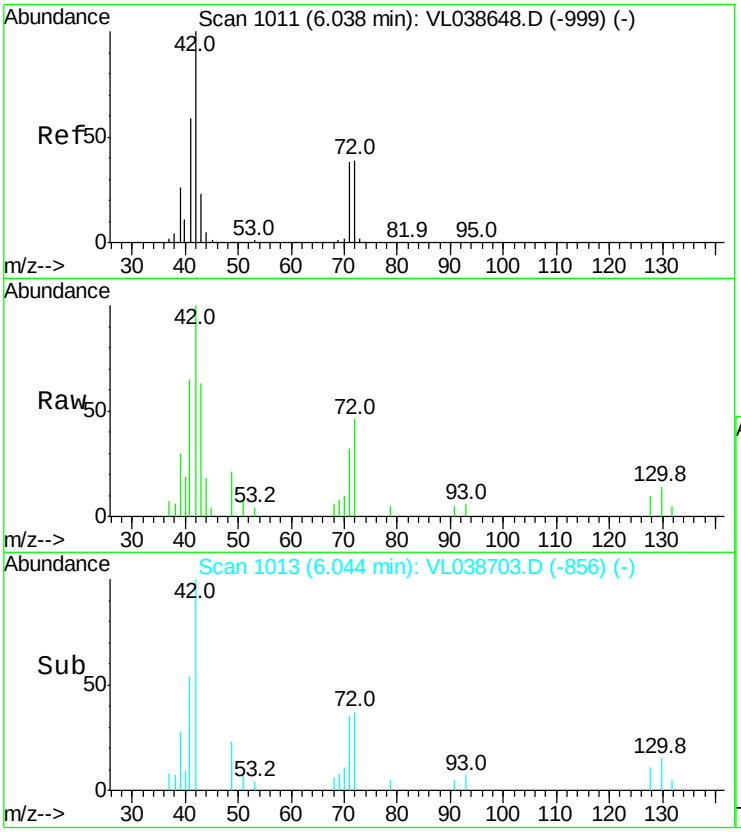


#39
1,2-Dichloropropane
Concen: 7.19 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.45 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 63 Resp: 477048

Ion	Ratio	Lower	Upper
63	100		
41	0.6	49.0	73.6#
62	15.2	53.9	80.9#



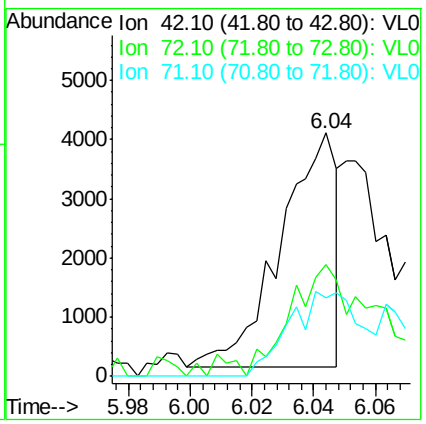


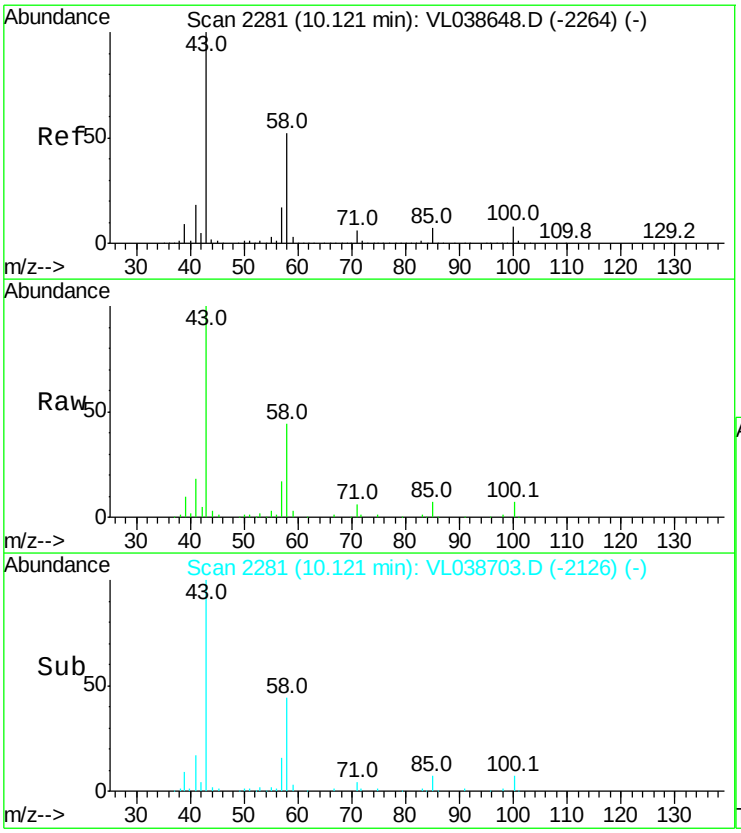
#41
Tetrahydrofuran
Concen: 0.08 ppbv
RT: 6.04
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 42 Resp: 4993

Ion	Ratio	Lower	Upper
42	100		
72	88.3	32.5	48.7#
71	71.2	31.4	47.2#

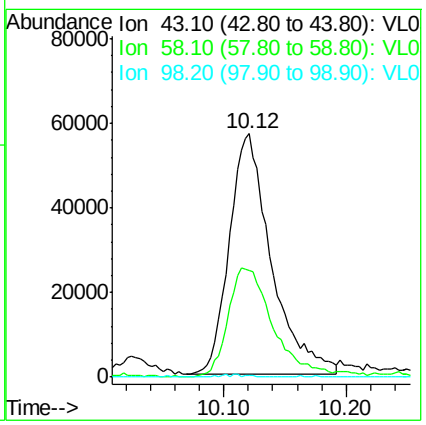


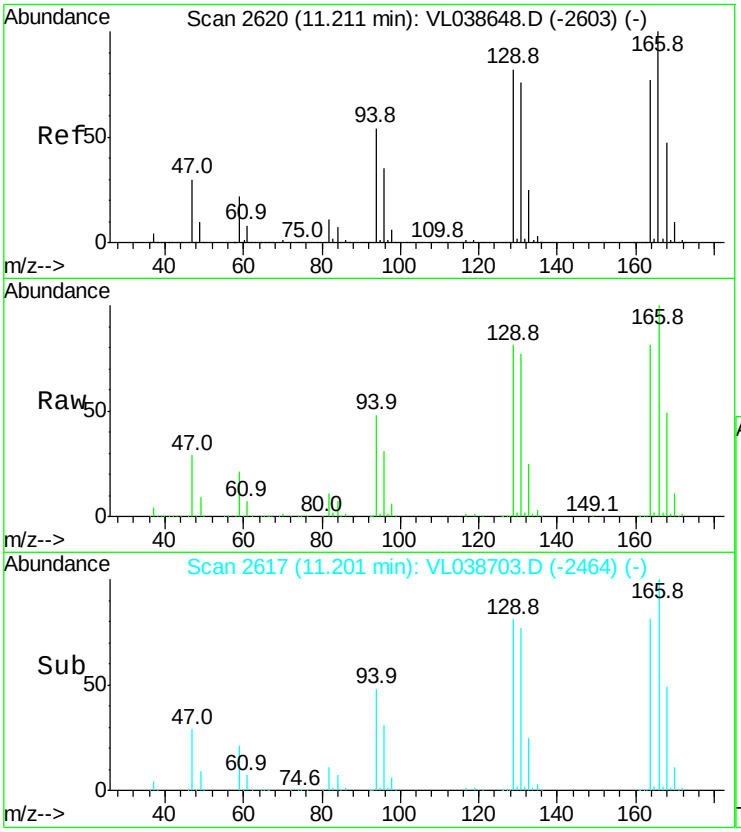


#51
2-Hexanone
Concen: 1.16 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. -0.00 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 43 Resp: 135185

Ion	Ratio	Lower	Upper
43	100		
58	50.4	41.2	61.8
98	0.7	0.2	0.4#



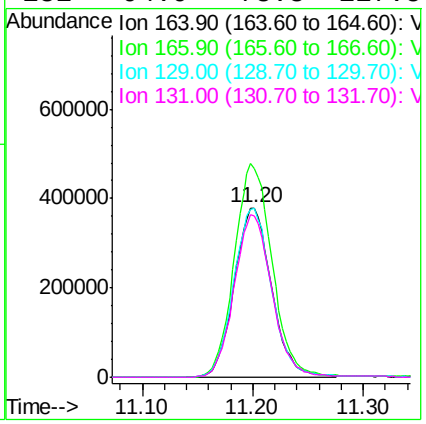


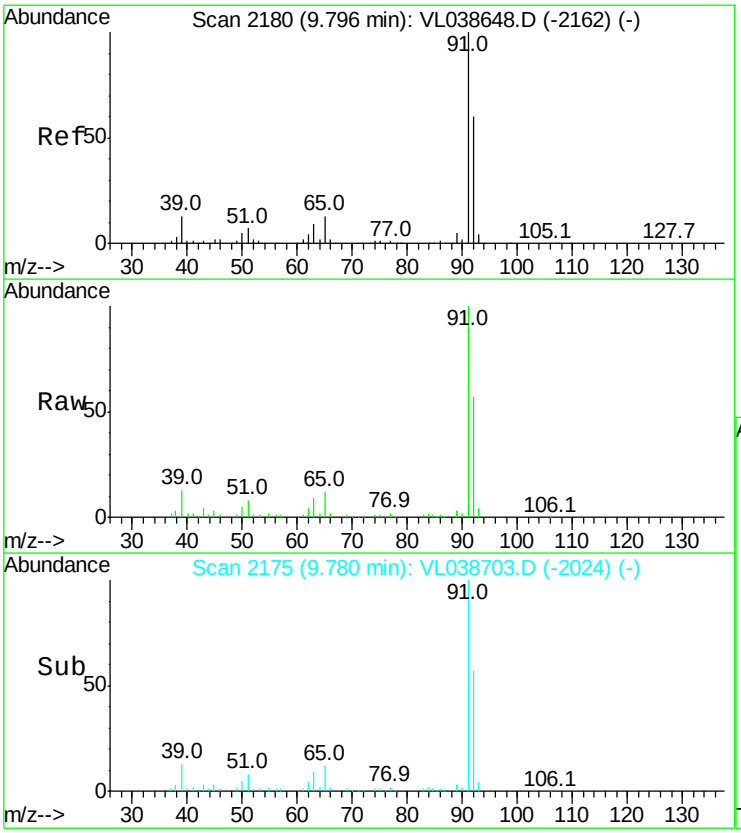
#52
Tetrachloroethene
Concen: 14.30 ppbv
RT: 11.20
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:164 Resp: 888705

Ion	Ratio	Lower	Upper
164	100		
166	123.3	103.3	154.9
129	99.7	85.2	127.8
131	94.9	78.3	117.5

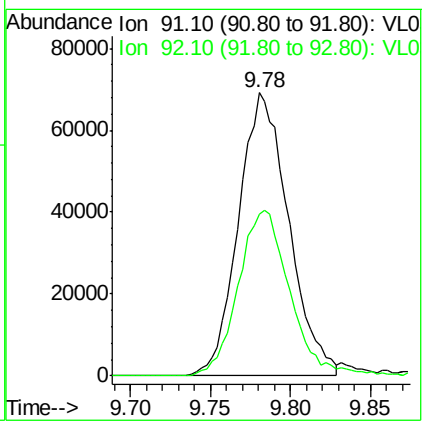


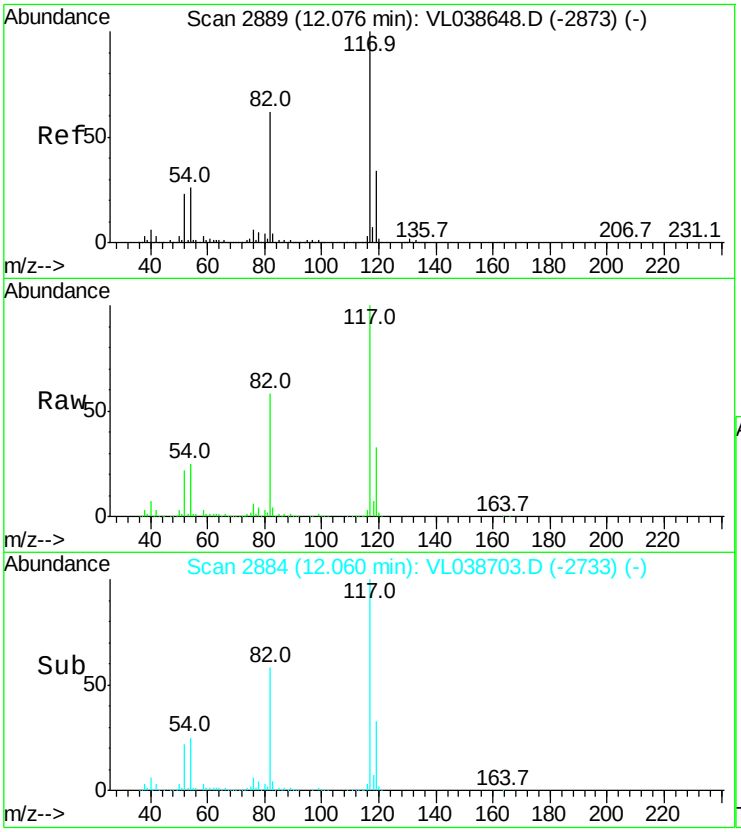


#53
Toluene
Concen: 0.81 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.02 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 91 Resp: 148436

Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.7	73.1



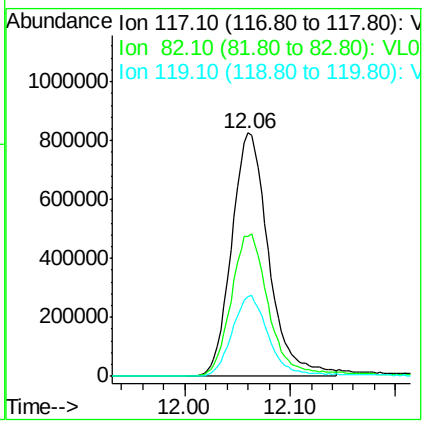


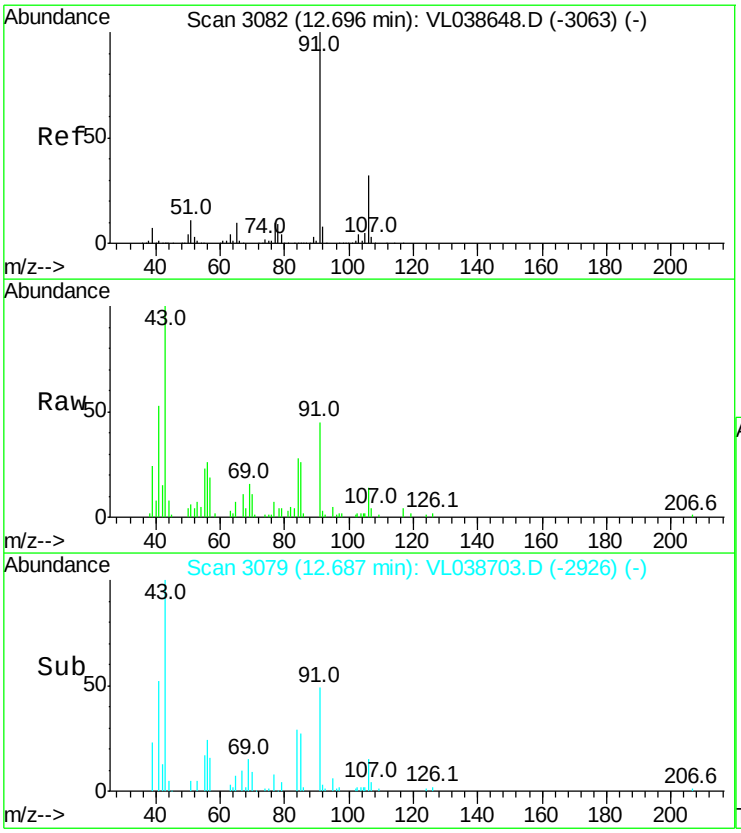
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:117 Resp: 2017761

Ion	Ratio	Lower	Upper
117	100		
82	62.3	51.6	77.4
119	34.3	26.9	40.3

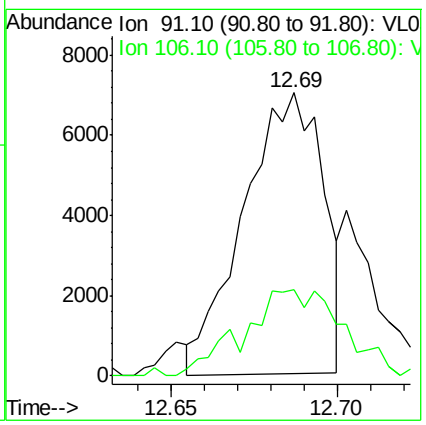


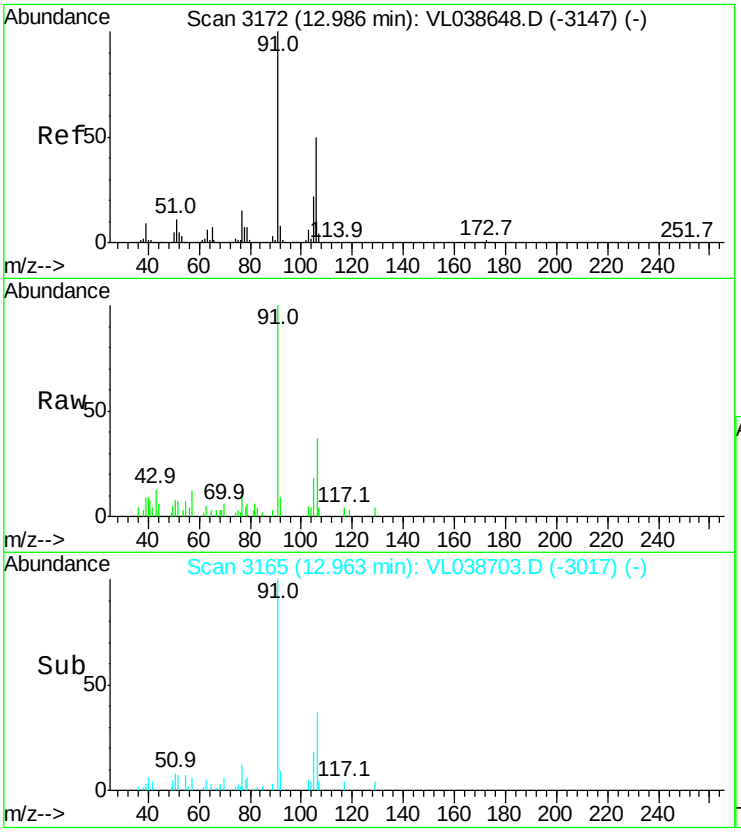


#58
Ethyl Benzene
Concen: 0.05 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 91 Resp: 11793

Ion	Ratio	Lower	Upper
91	100		
106	31.3	25.4	38.0



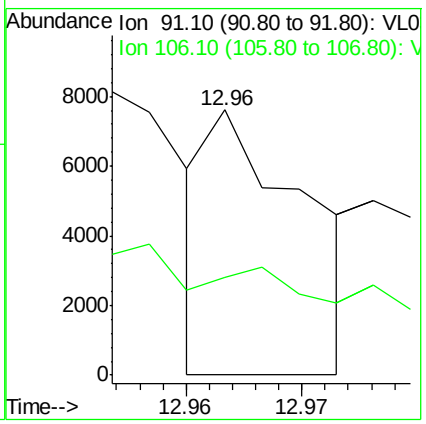


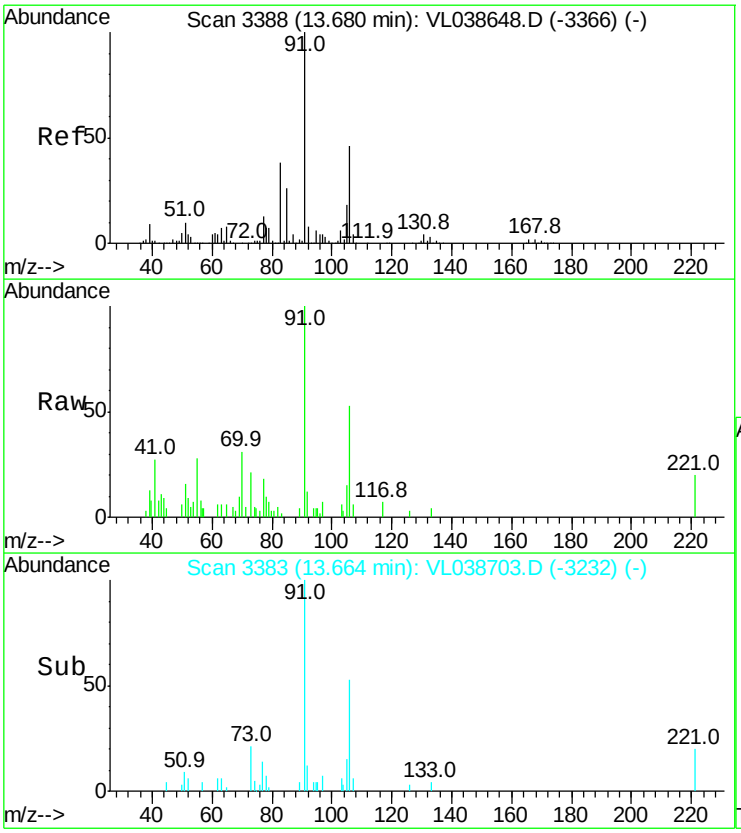
#59
m/p-Xylene
Concen: 0.02 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 91 Resp: 4421

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#

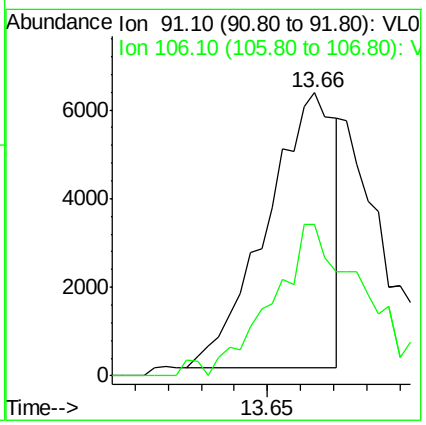


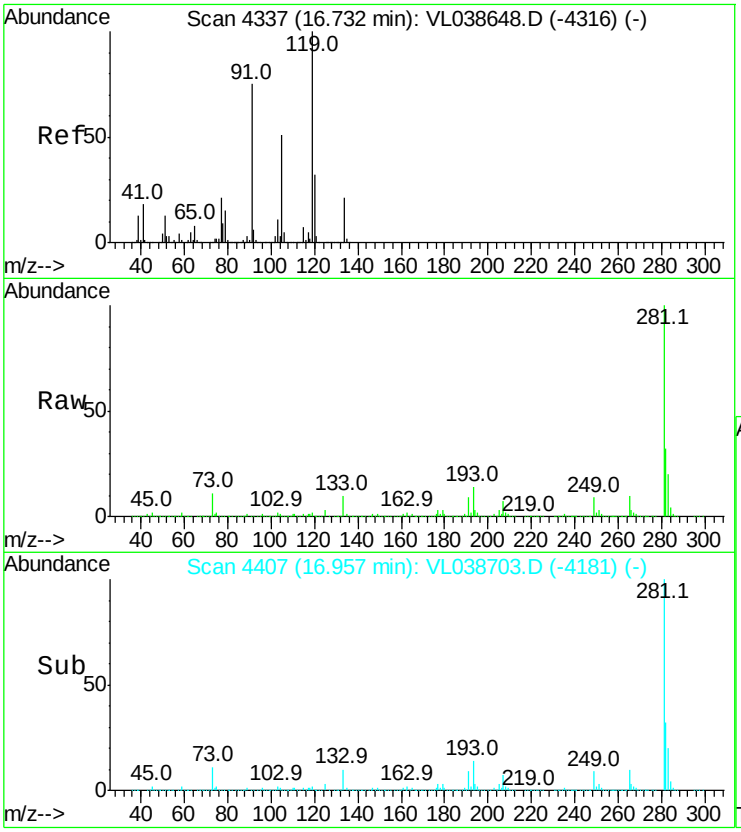


#60
o-Xylene
Concen: 0.05 ppbv
RT: 13.66 min Scan# 3383
Delta R.T. -0.02 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 91 Resp: 8996

Ion	Ratio	Lower	Upper
91	100		
106	76.7	23.5	70.5#



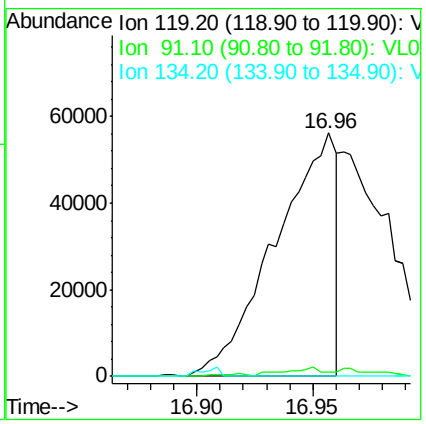


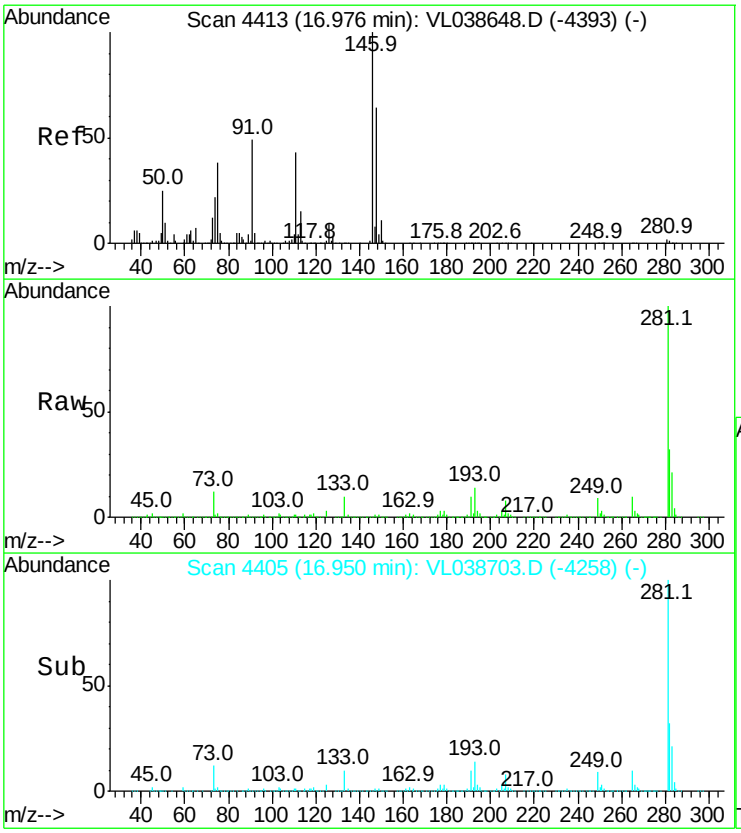
#65
tert-Butylbenzene
Concen: 0.39 ppbv
RT: 16.96
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:119 Resp: 102723

Ion	Ratio	Lower	Upper
119	100		
91	4.9	61.2	91.8#
134	1.2	16.3	24.5#

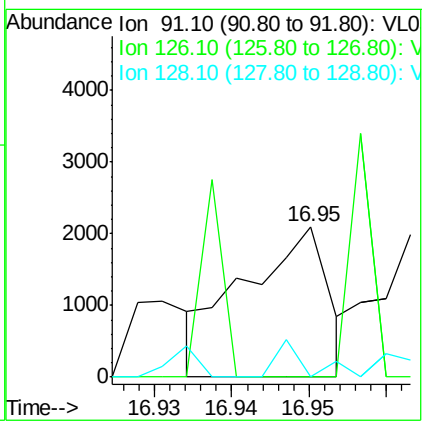


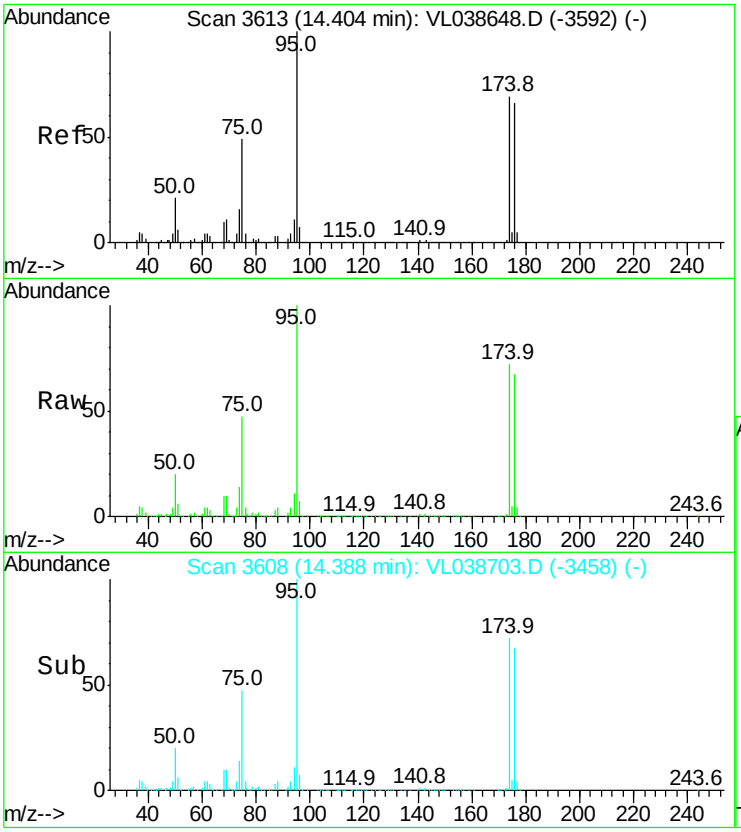


#66
Benzyl Chloride
Concen: 0.03 ppbv
RT: 16.95 min Scan# 4405
Delta R.T. -0.03 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion: 91 Resp: 1596

Ion	Ratio	Lower	Upper
91	100		
126	0.0	14.3	21.5#
128	0.0	4.6	6.8#



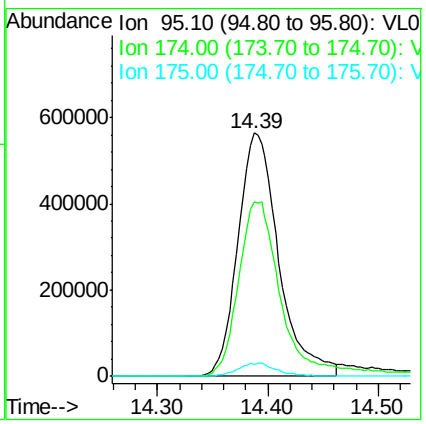


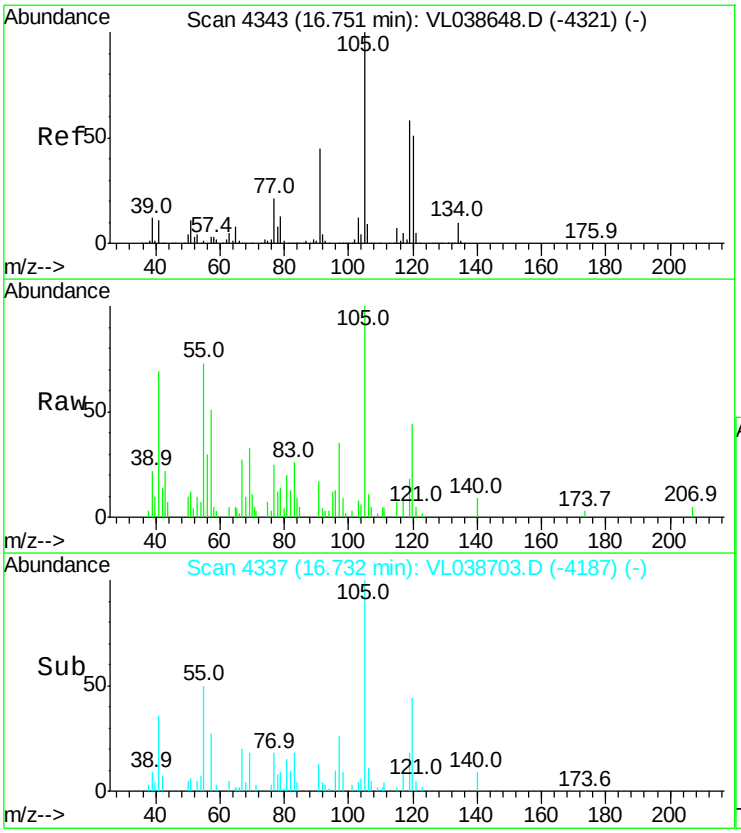
#68
1-Bromo-4-Fluorobenzene
Concen: 9.37 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion: 95 Resp: 1448842

Ion	Ratio	Lower	Upper
95	100		
174	77.3	56.1	84.1
175	5.8	4.2	6.2

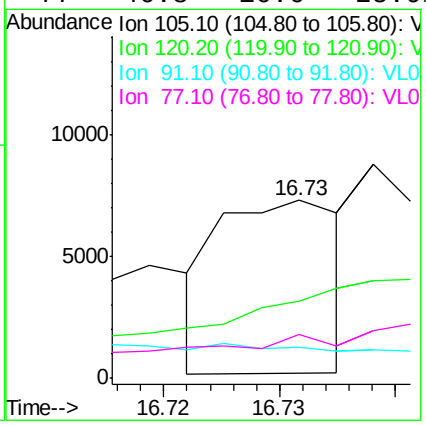


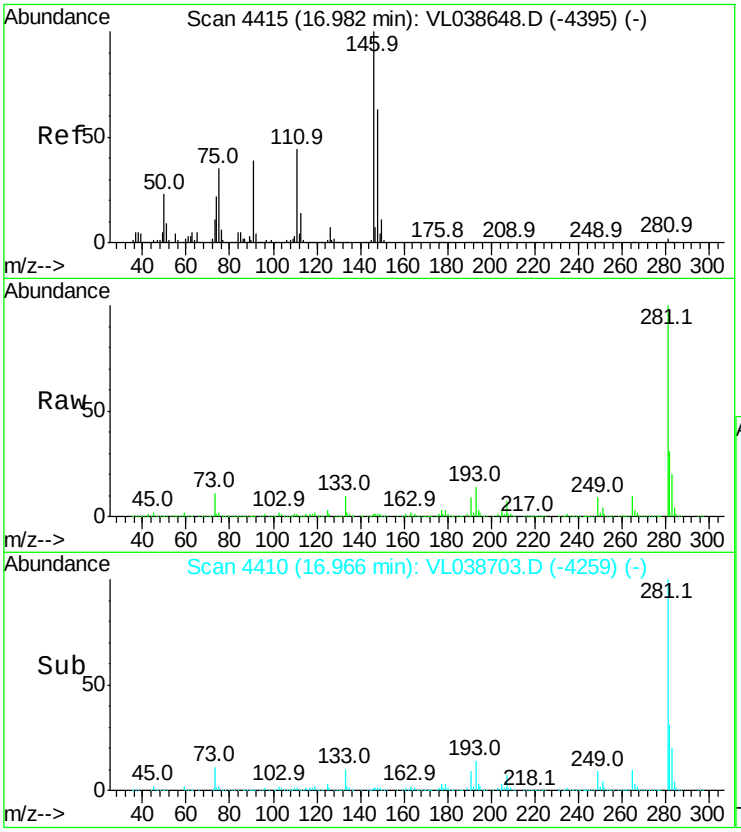


#74
1,2,4-Trimethylbenzene
Concen: 0.02 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.02 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion:105 Resp: 5190

Ion	Ratio	Lower	Upper
105	100		
120	37.0	40.5	60.7#
91	4.9	35.9	53.9#
77	46.8	16.6	25.0#



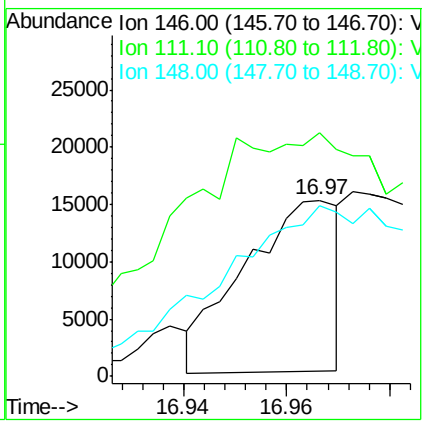


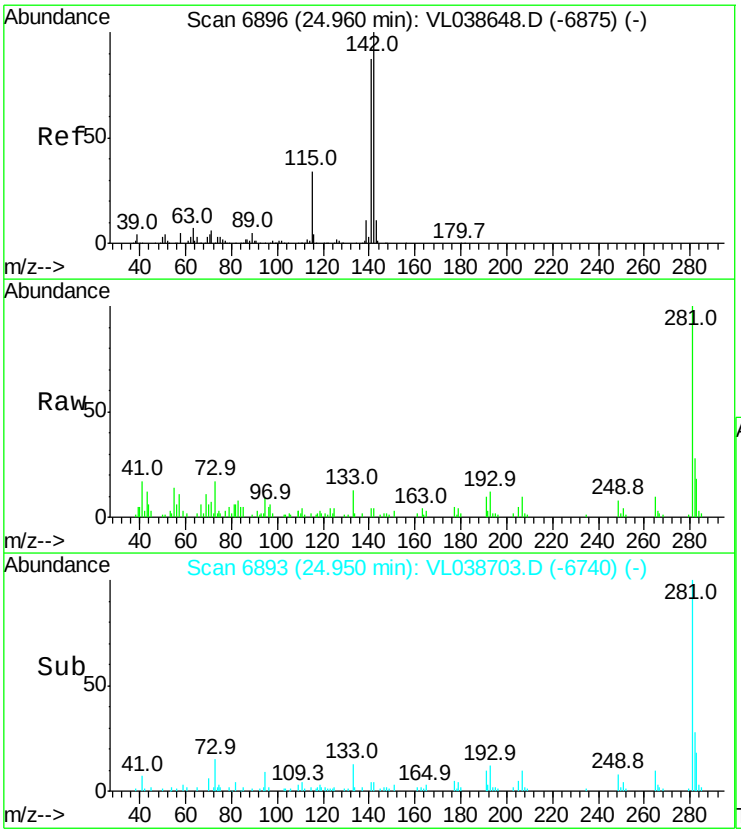
#75
1,3-Dichlorobenzene
Concen: 0.13 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 23 Mar 2022 3:42

Instrument :
MSVOA_L
ClientSampleId :
C0P90

Tgt Ion:146 Resp: 19063

Ion	Ratio	Lower	Upper
146	100		
111	410.2	22.2	66.6#
148	278.4	32.5	97.5#





#80
Naphthalene,2-methyl-
Concen: 0.02 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. -0.01 min
Lab File: VL038703.D
Acq: 23 Mar 2022 3:42

Tgt Ion:142 Resp: 1156

Ion	Ratio	Lower	Upper
142	100		
141	0.0	66.4	99.6#
115	98.9	27.8	41.6#