Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038743.D
Acq On : 24 Mar 2022 9:30
Operator : SY/AP
Sample : N2047-02DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : C0PA0DL

Quant Time: Apr 02 04:38:31 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	5.67	49	757355	10.00	ppbv		0.01
33) 1,4-Difluorobenzene	7.18	114	1984894	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.08	117	1728023	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.41	95	1221556	9.22	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 92.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	18506	0.182	ppbv		91
3) Chlorodifluoromethane	3.00	51	12334	0.154	ppbv		98
4) Chloromethane	3.15	50	3983	0.091	ppbv		96
9) Propene	3.02	41	10184	0.264	ppbv	#	1
11) Trichlorofluoromethane	3.96	101	11982	0.133	ppbv		99
13) Ethanol	3.62	45	65820	15.451	ppbv		93
15) Acetone	3.85	43	386756	5.918	ppbv	#	87
16) 1,3-Butadiene	3.32	39	43177	1.164	ppbv	#	15
17) tert-Butyl alcohol	4.31	59	8897	0.156	ppbv	#	68
19) Isopropyl Alcohol	3.99	45	8571	0.237	ppbv	#	91
20) Methylene Chloride	4.35	84	30314	1.101	ppbv		97
23) Vinyl Acetate	5.07	43	8063	0.127	ppbv	#	72
25) Ethyl Acetate	5.69	43	19900	0.121	ppbv	#	81
26) Hexane	5.69	57	47460	0.644	ppbv	#	37
29) Chloroform	5.75	83	37012	0.314	ppbv		93
34) 2-Butanone	5.25	43	315314	4.014	ppbv		97
36) Benzene	6.89	78	10344	0.068	ppbv	#	94
39) 1,2-Dichloropropane	7.23	63	4904	0.082	ppbv	#	22
51) 2-Hexanone	10.15	43	3315	0.032	ppbv	#	27
52) Tetrachloroethene	11.22	164	336010	5.994	ppbv		97
53) Toluene	9.81	91	30557	0.186	ppbv		97
65) tert-Butylbenzene	16.97	119	60861	0.269	ppbv	#	21
75) 1,3-Dichlorobenzene	16.99	146	11231	0.090	ppbv	#	1

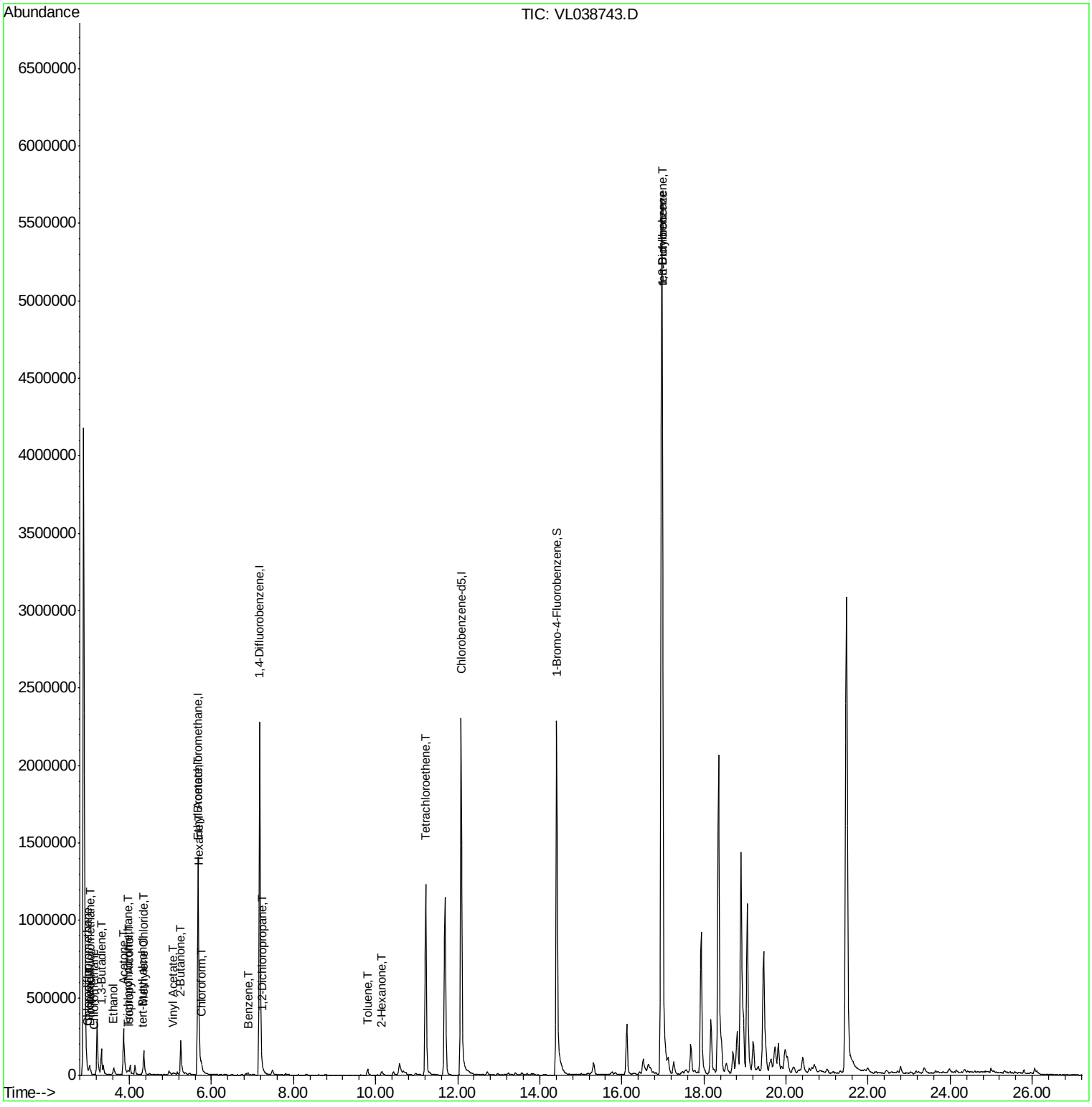
(#) = qualifier out of range (m) = manual integration (+) = signals summed

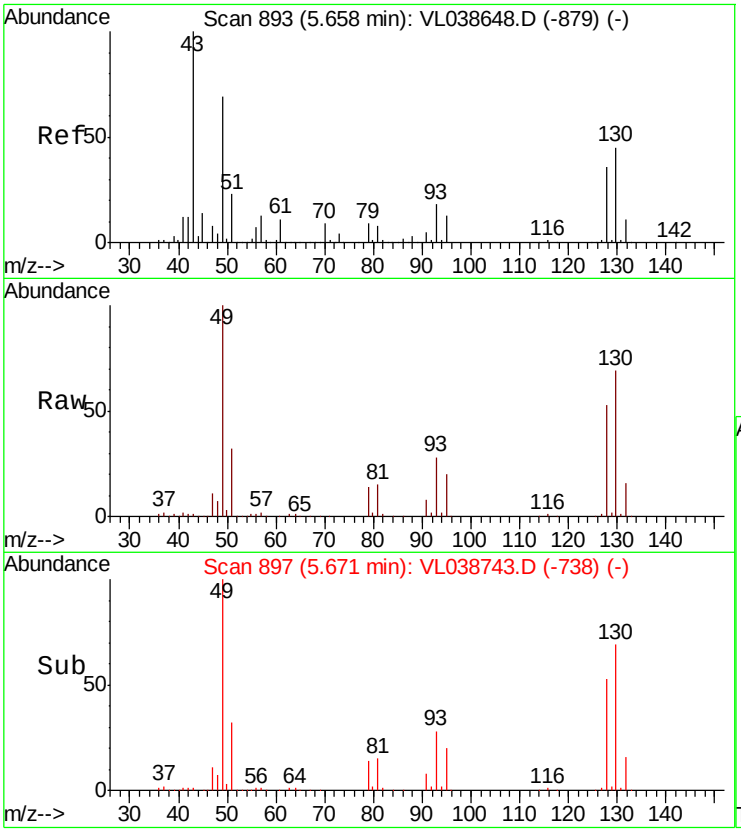
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032322\
Data File : VL038743.D
Acq On : 24 Mar 2022 9:30
Operator : SY/AP
Sample : N2047-02DL 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Quant Time: Apr 02 04:38:31 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



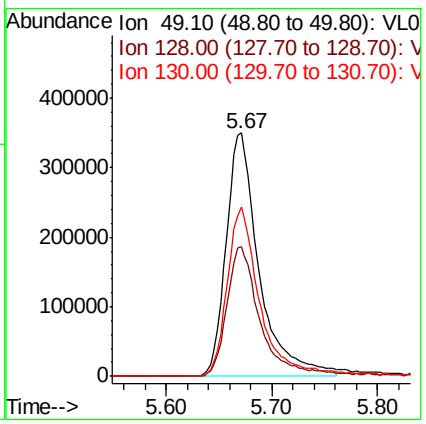


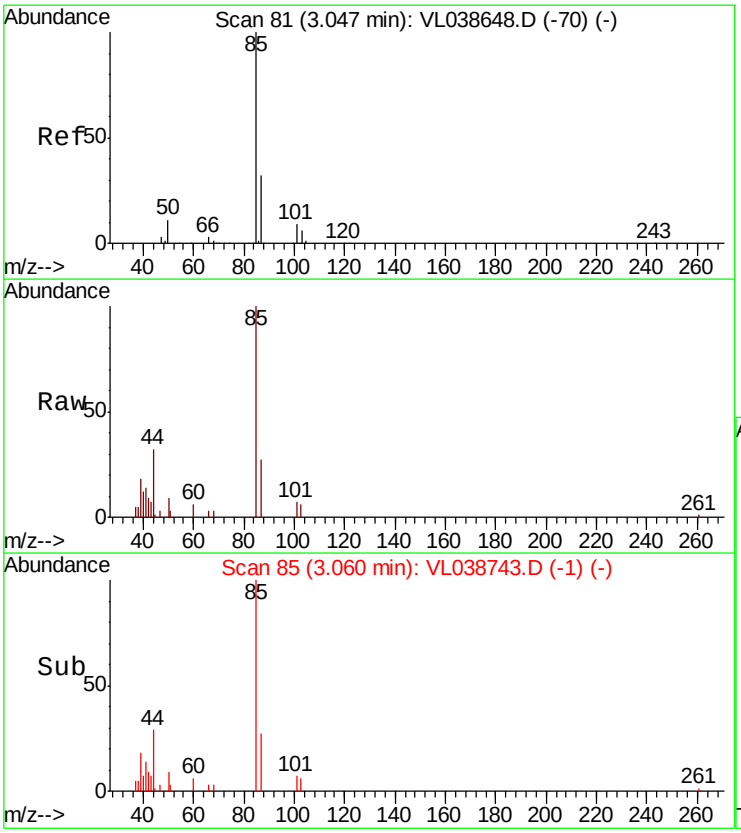
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 49 Resp: 757355

Ion	Ratio	Lower	Upper
49	100		
128	54.7	26.2	78.6
130	71.5	33.7	101.1

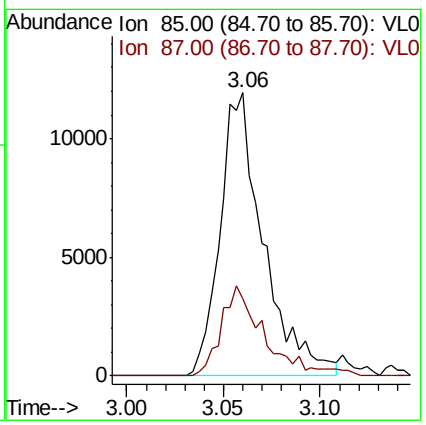


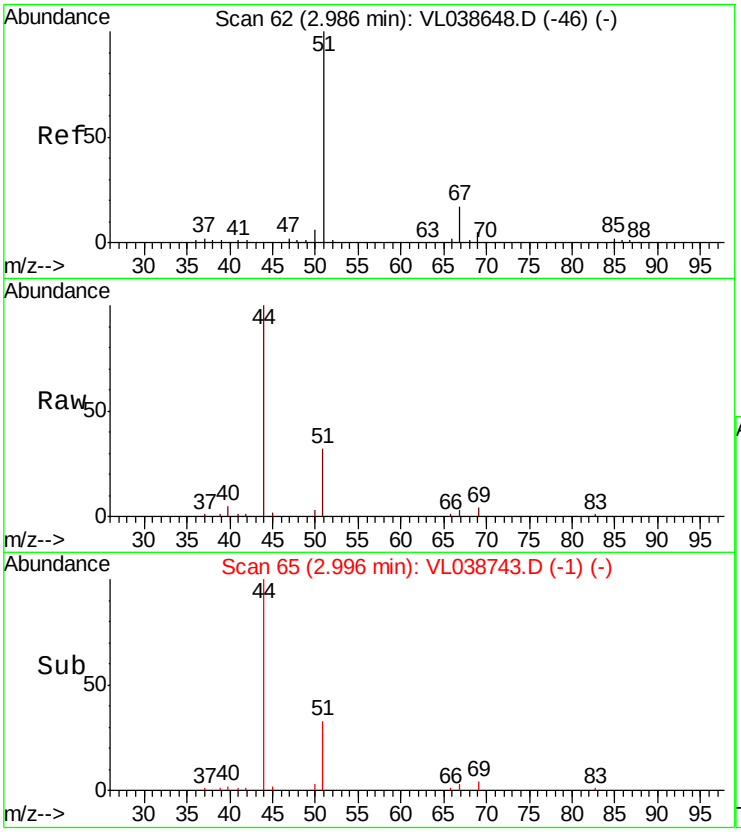


#2
Dichlorodifluoromethane
Concen: 0.182 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 85 Resp: 18506

Ion	Ratio	Lower	Upper
85	100		
87	27.2	26.0	39.0



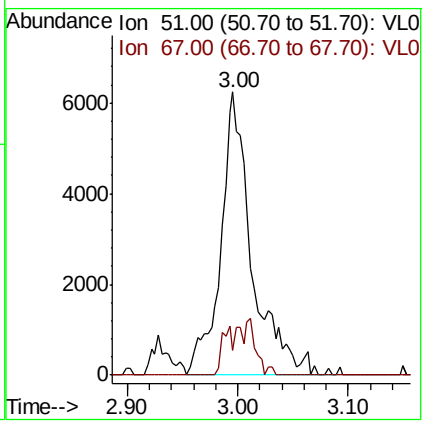


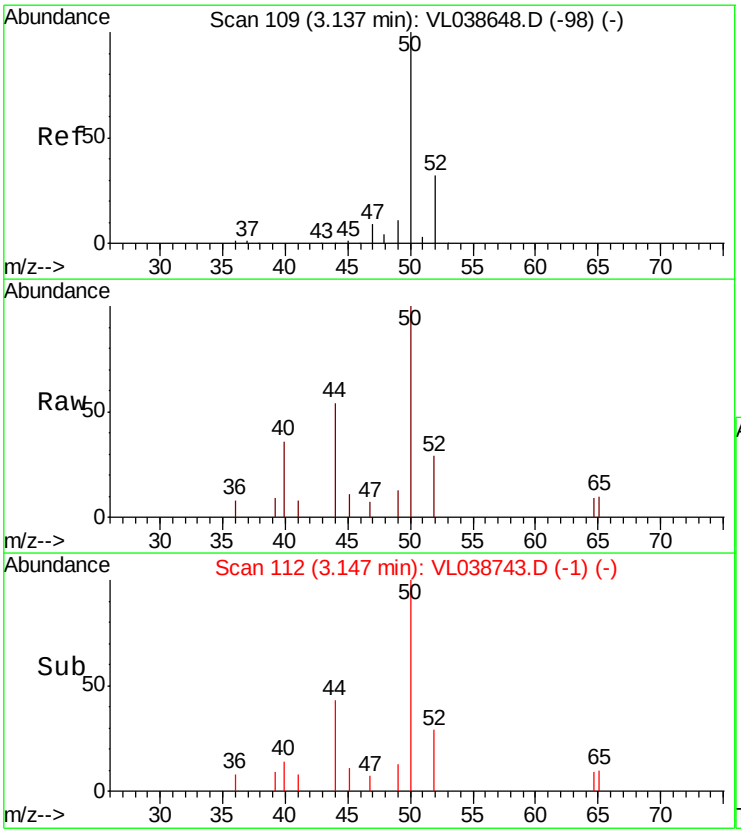
#3
Chlorodifluoromethane
Concen: 0.154 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 51 Resp: 12334

Ion	Ratio	Lower	Upper
51	100		
67	16.5	14.1	21.1

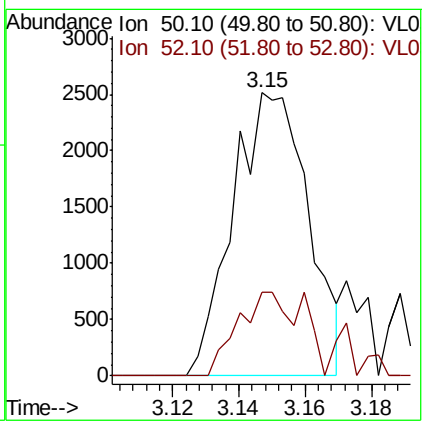


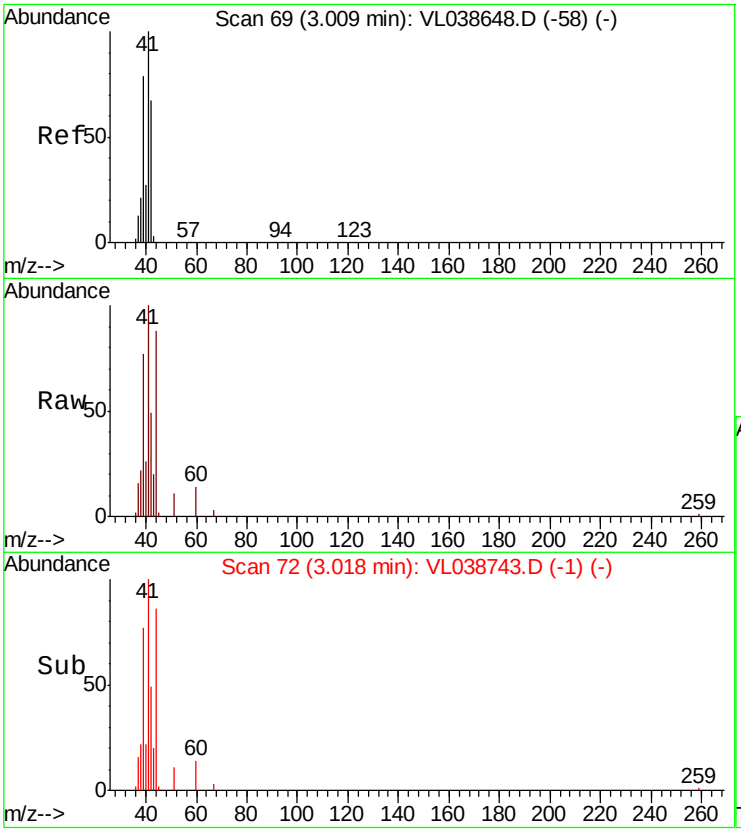


#4
Chloromethane
Concen: 0.091 ppbv
RT: 3.15 min Scan# 112
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 50 Resp: 3983

Ion	Ratio	Lower	Upper
50	100		
52	29.5	25.5	38.3



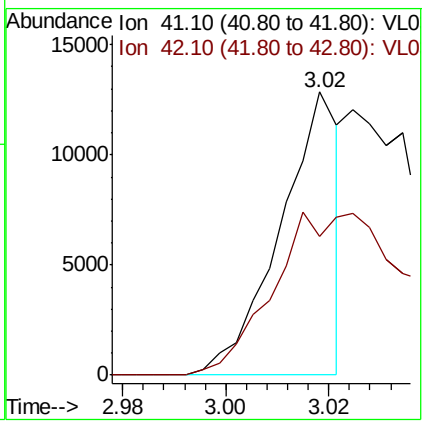


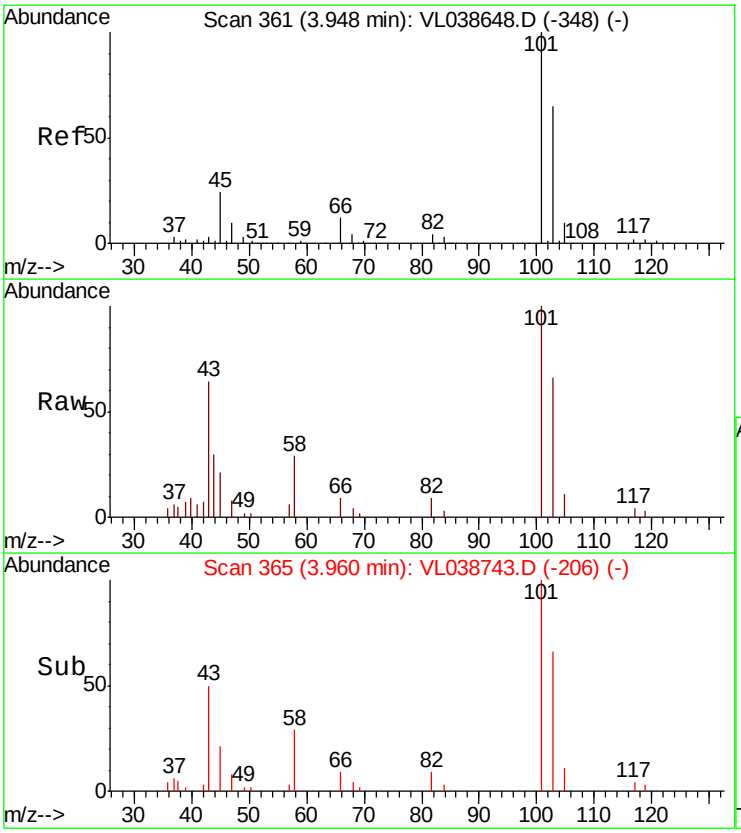
#9
Propene
Concen: 0.264 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 41 Resp: 10184

Ion	Ratio	Lower	Upper
41	100		
42	160.2	56.2	84.4#

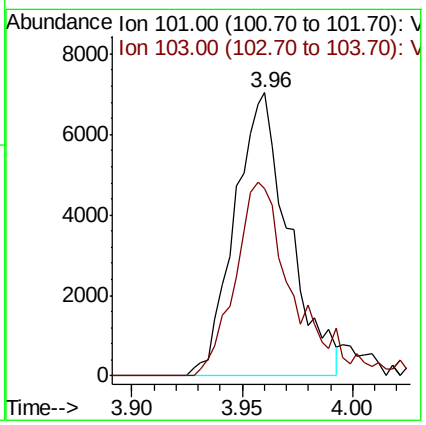


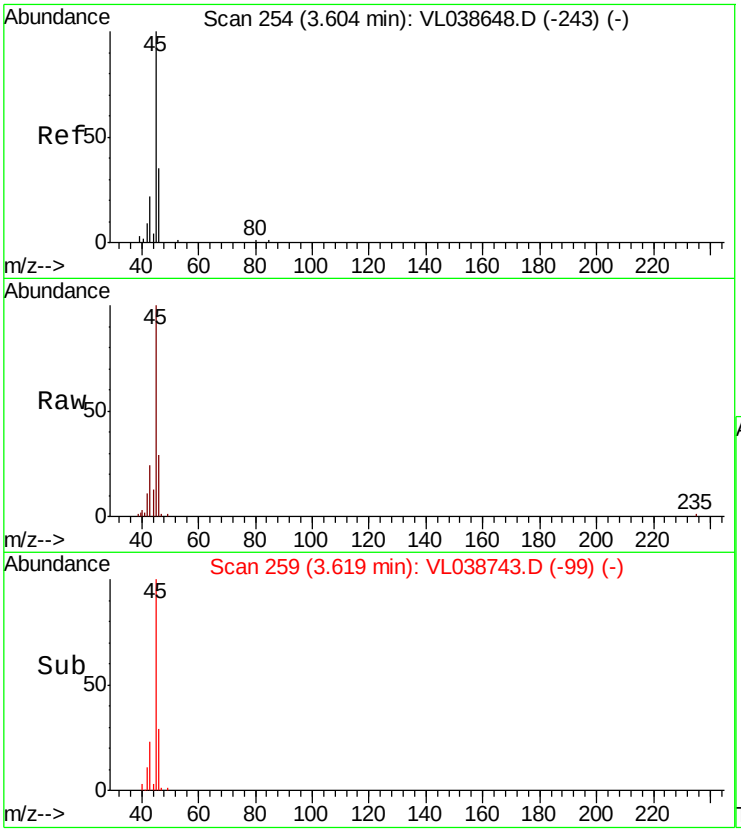


#11
Trichlorofluoromethane
Concen: 0.133 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion:101 Resp: 11982

Ion	Ratio	Lower	Upper
101	100		
103	66.1	51.9	77.9



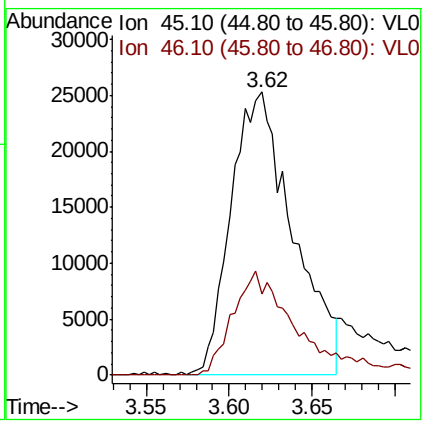


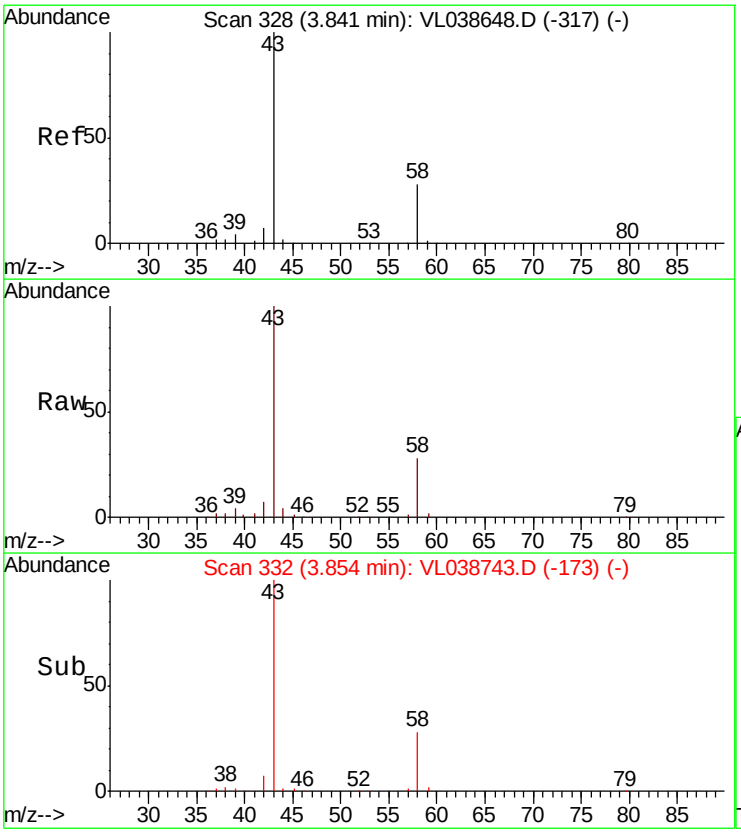
#13
Ethanol
Concen: 15.451 ppbv
RT: 3.62
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 45 Resp: 65820

Ion	Ratio	Lower	Upper
45	100		
46	41.9	15.1	60.5

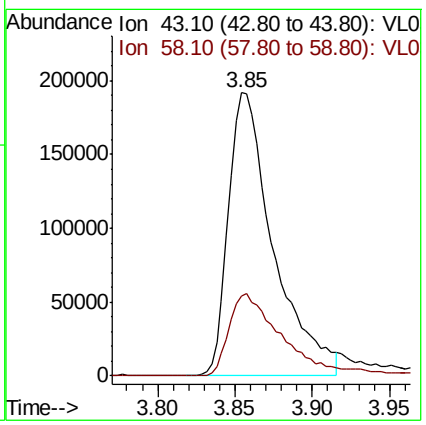


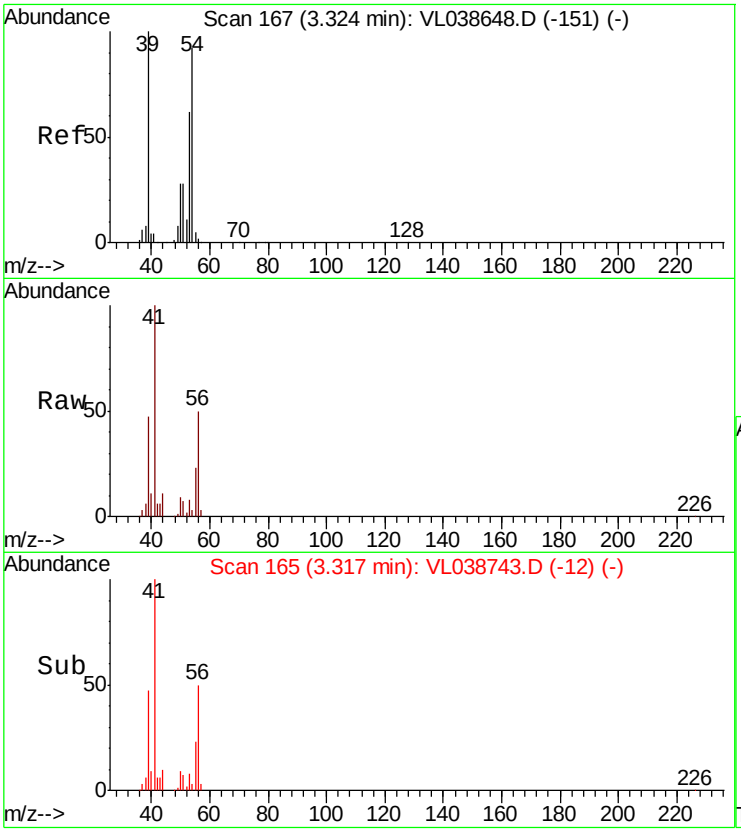


#15
Acetone
Concen: 5.918 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 43 Resp: 386756

Ion	Ratio	Lower	Upper
43	100		
58	36.1	23.3	34.9#



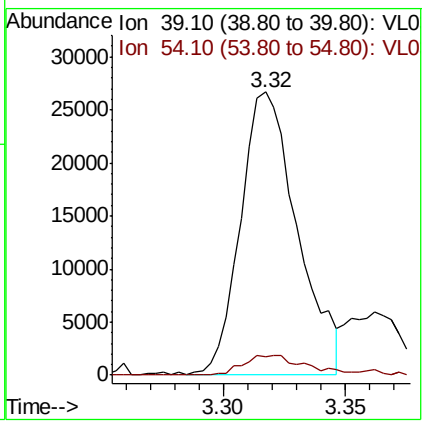


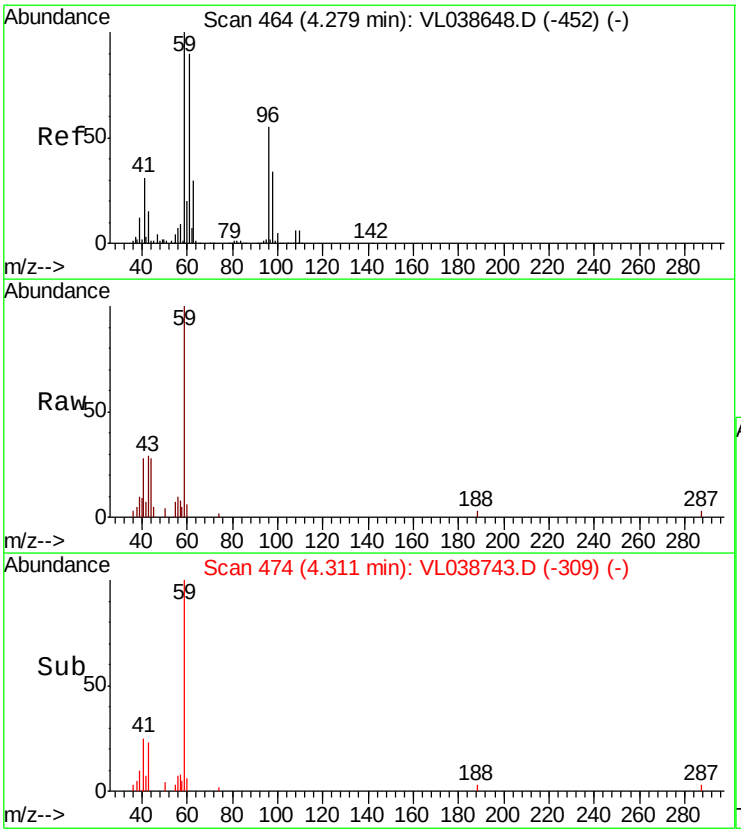
#16
1,3-Butadiene
Concen: 1.164 ppbv
RT: 3.32
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 39 Resp: 43177

Ion	Ratio	Lower	Upper
39	100		
54	8.2	69.1	103.7#

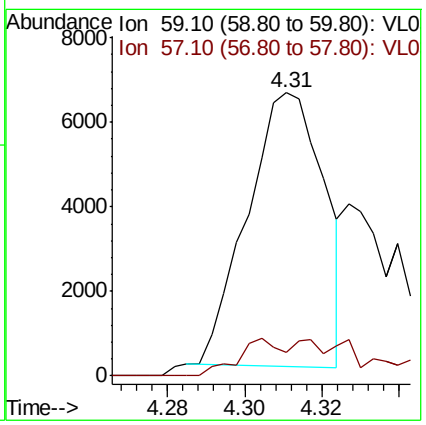


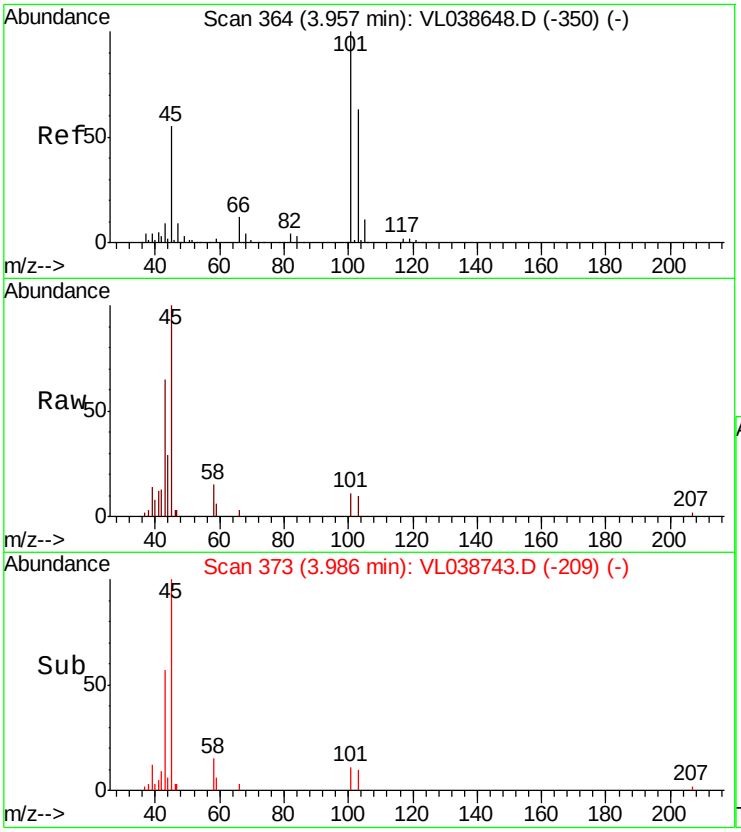


#17
tert-Butyl alcohol
Concen: 0.156 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.03 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 59 Resp: 8897

Ion	Ratio	Lower	Upper
59	100		
57	22.1	8.2	12.2#



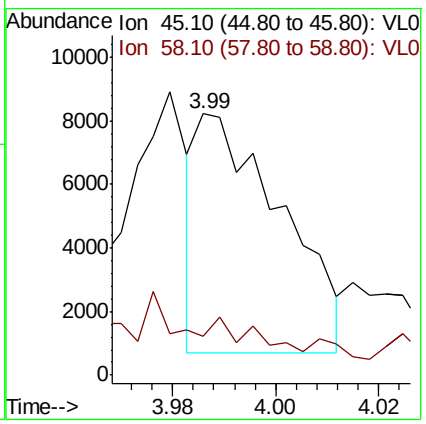


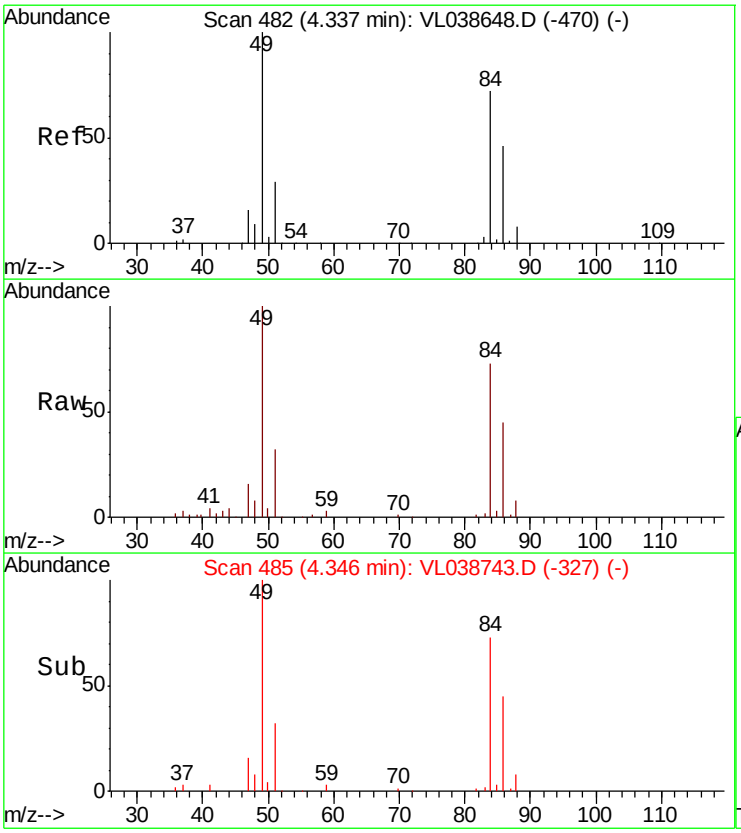
#19
Isopropyl Alcohol
Concen: 0.237 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 45 Resp: 8571

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.3	3.5#

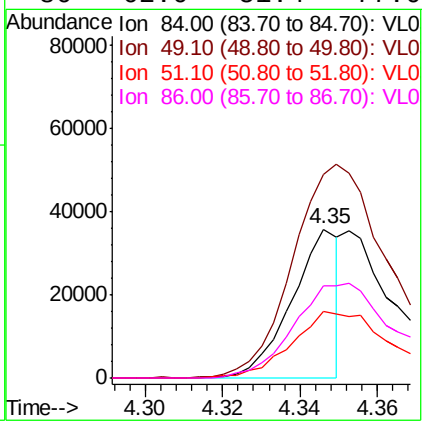


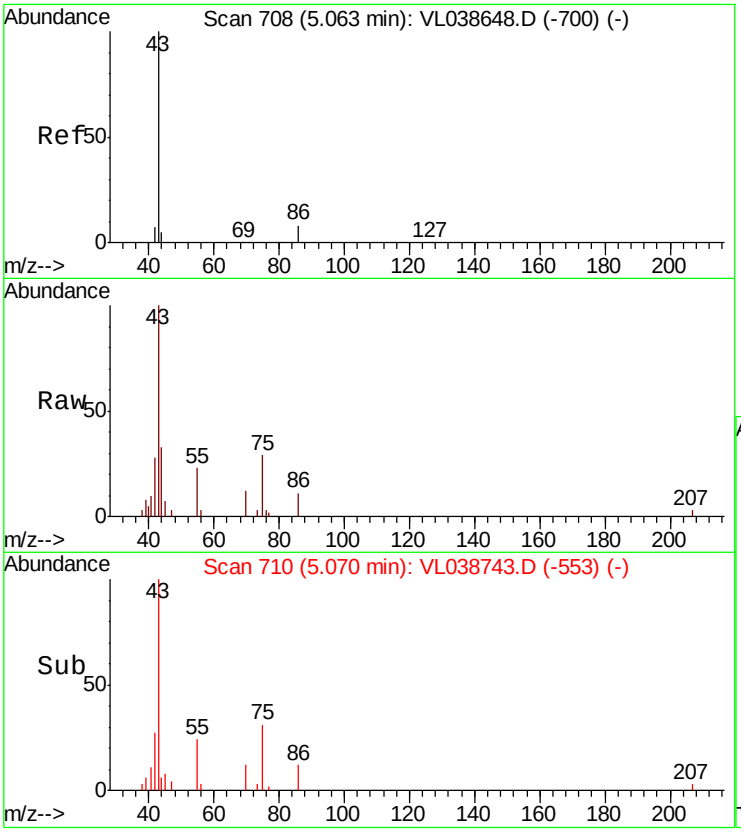


#20
Methylene Chloride
Concen: 1.101 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 84 Resp: 30314

Ion	Ratio	Lower	Upper
84	100		
49	136.9	111.2	166.8
51	44.3	32.8	49.2
86	62.0	51.4	77.0



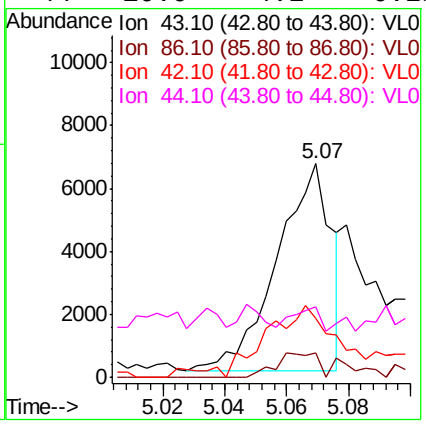


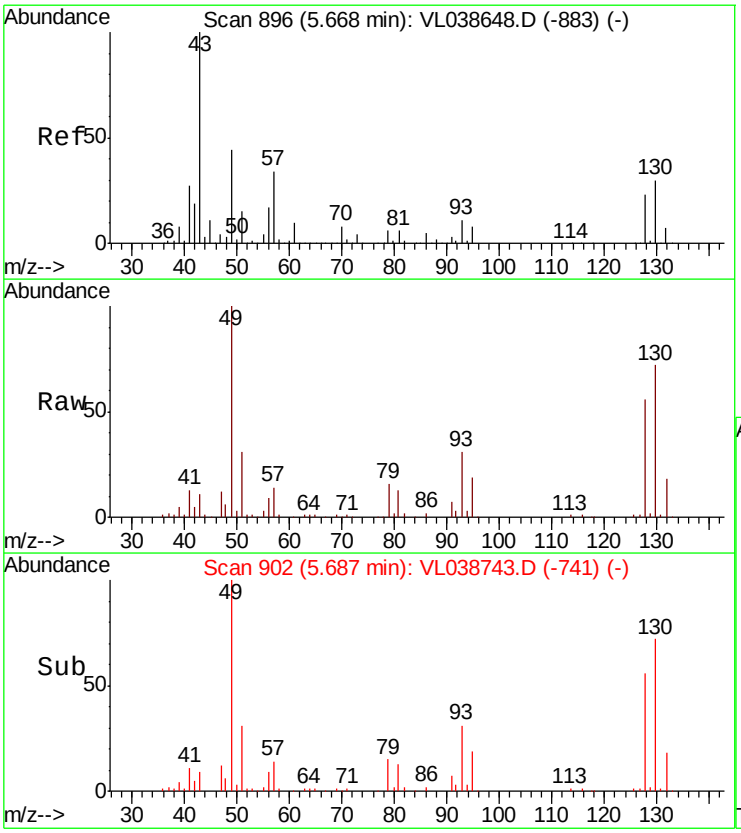
#23
Vinyl Acetate
Concen: 0.127 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 43 Resp: 8063

Ion	Ratio	Lower	Upper
43	100		
86	11.8	5.6	8.4#
42	24.9	6.8	10.2#
44	10.9	4.2	6.2#

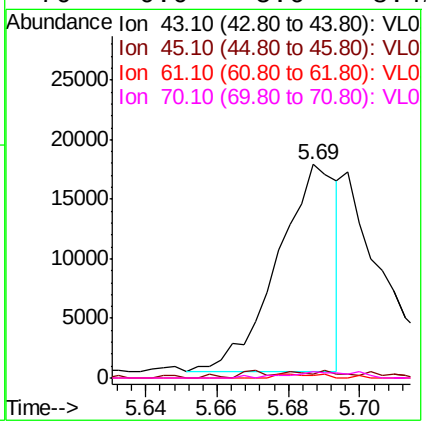


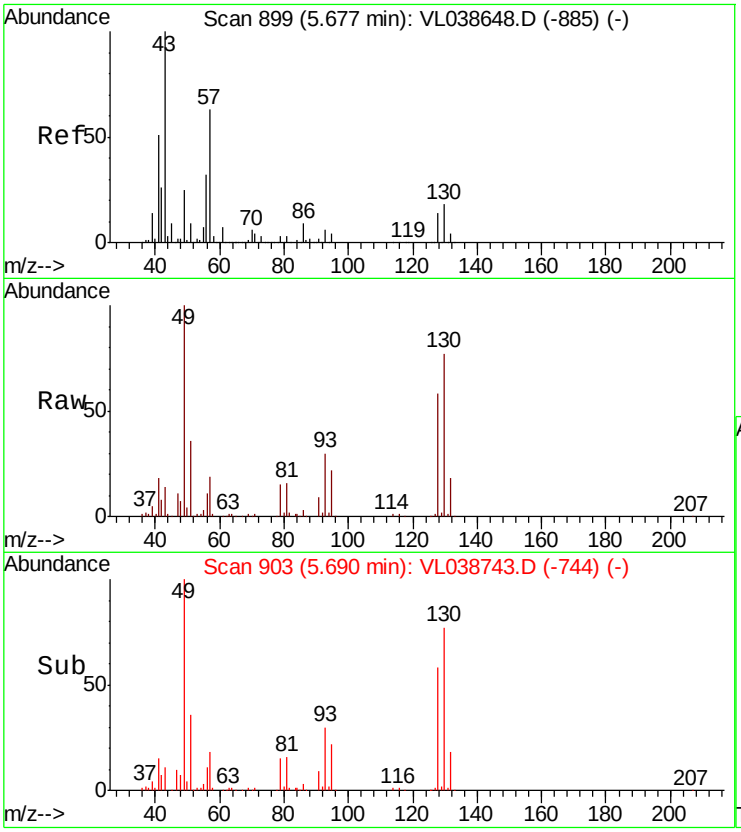


#25
Ethyl Acetate
Concen: 0.121 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 43 Resp: 19900

Ion	Ratio	Lower	Upper
43	100		
45	5.8	8.2	12.4#
61	1.4	8.3	12.5#
70	0.0	5.6	8.4#



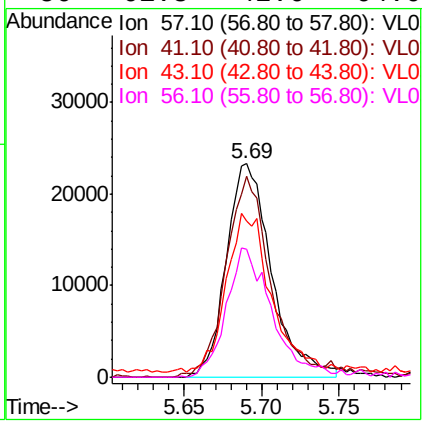


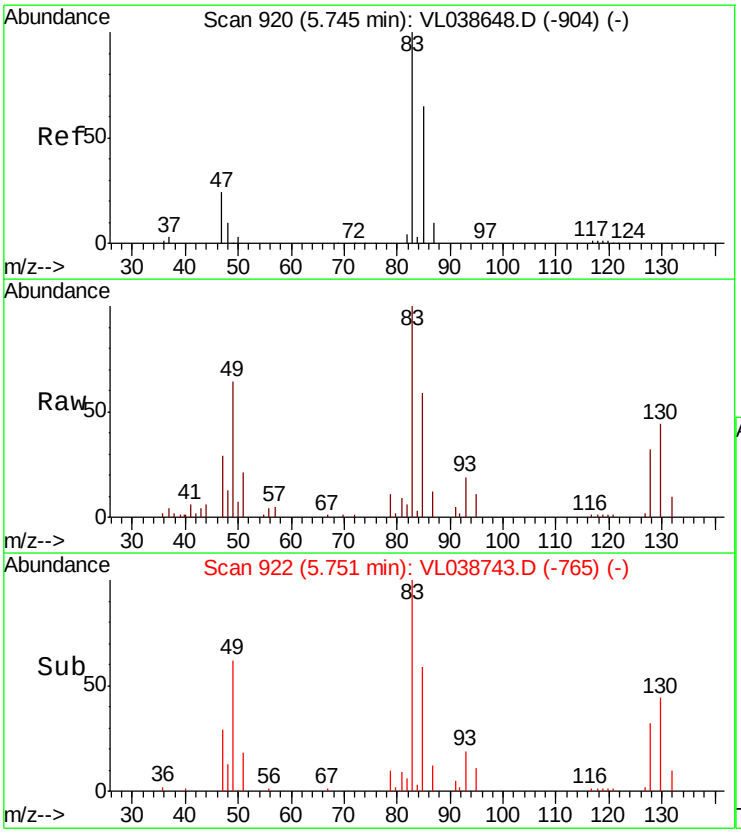
#26
Hexane
Concen: 0.644 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 57 Resp: 47460

Ion	Ratio	Lower	Upper
57	100		
41	97.4	67.0	100.4
43	76.0	184.2	276.2#
56	61.3	42.6	64.0

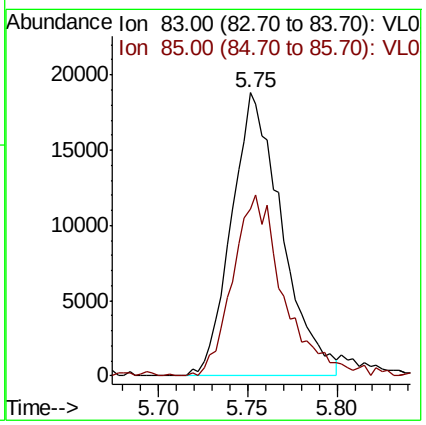


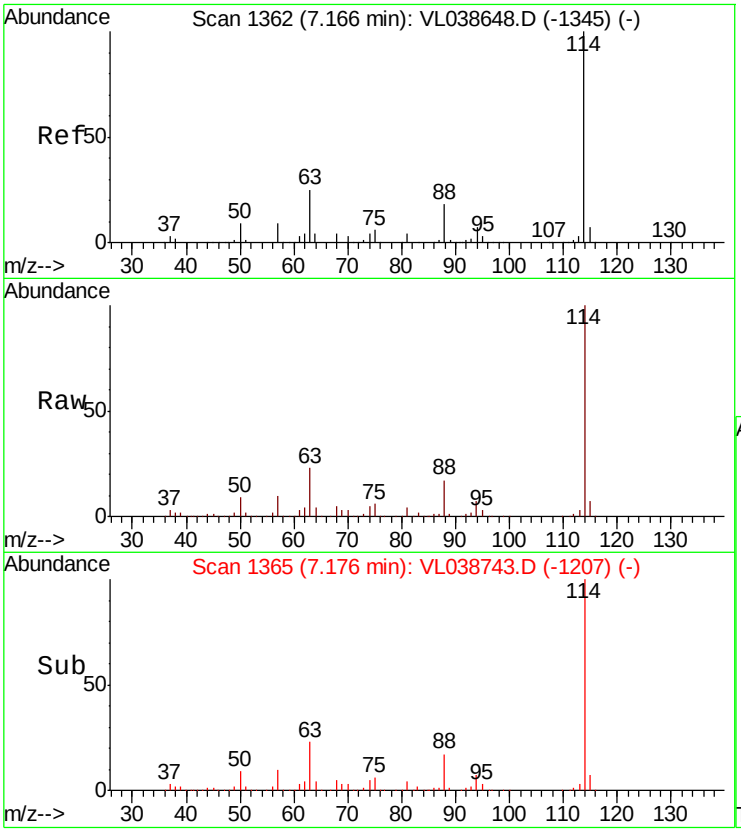


#29
Chloroform
Concen: 0.314 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 83 Resp: 37012

Ion	Ratio	Lower	Upper
83	100		
85	59.2	51.7	77.5



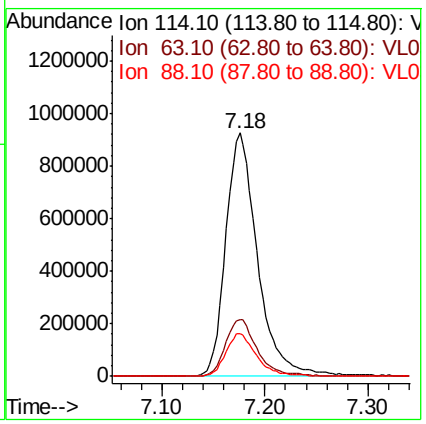


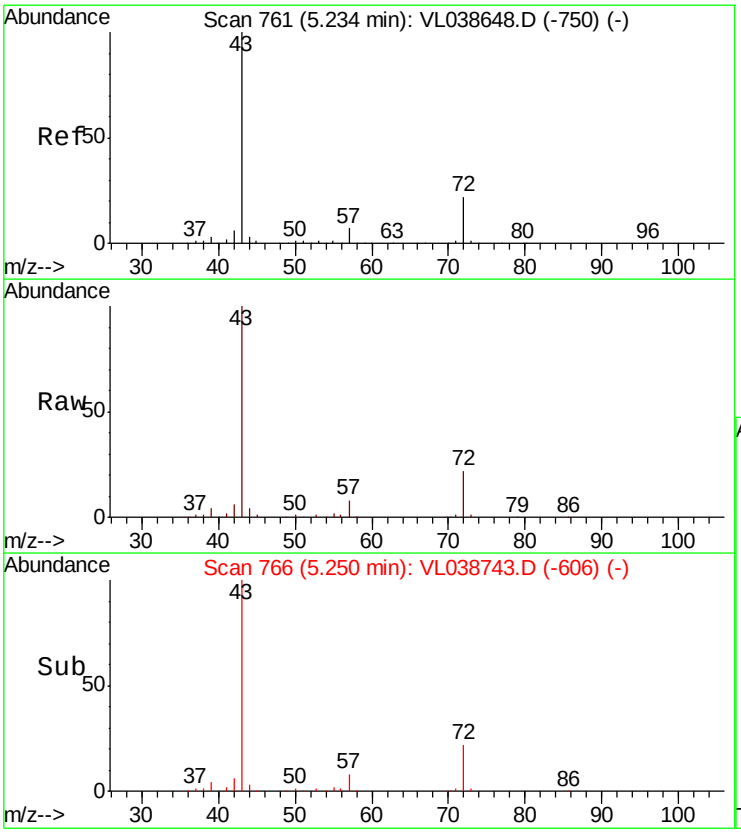
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion:114 Resp: 1984894

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.4	29.0
88	17.4	13.9	20.9

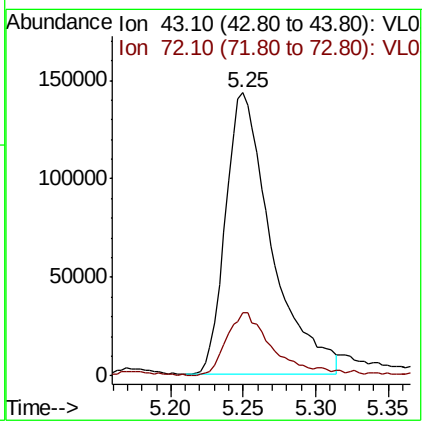


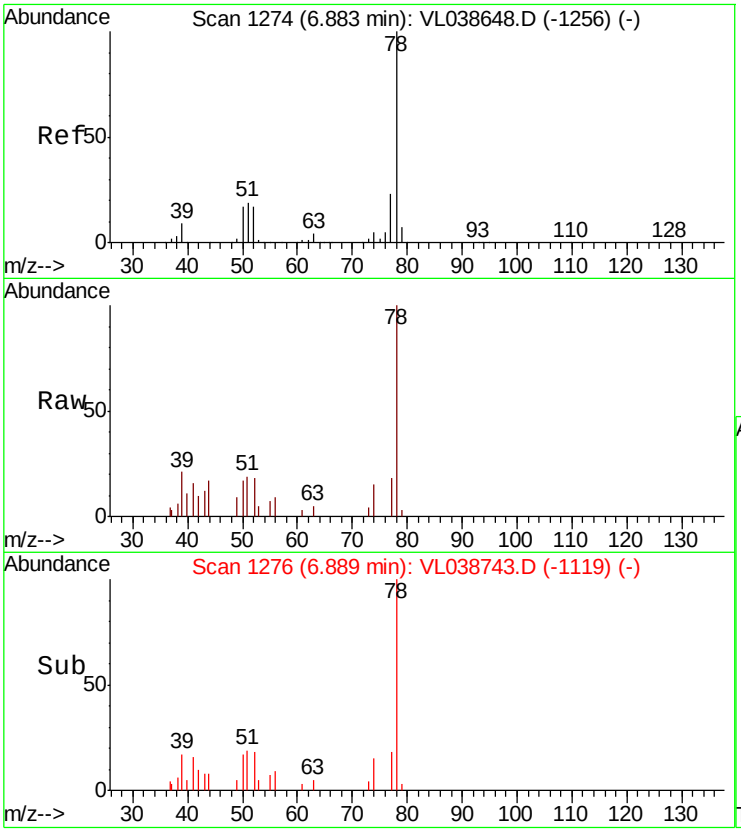


#34
2-Butanone
Concen: 4.014 ppbv
RT: 5.25 min Scan# 766
Delta R.T. 0.02 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 43 Resp: 315314

Ion	Ratio	Lower	Upper
43	100		
72	23.6	17.8	26.8



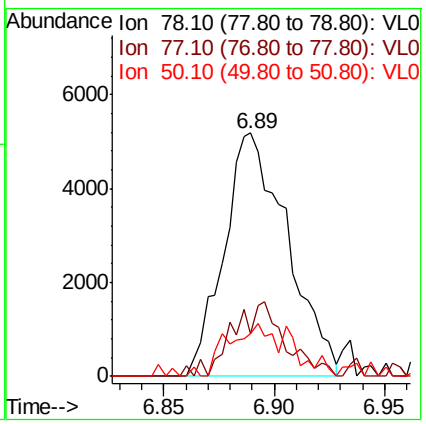


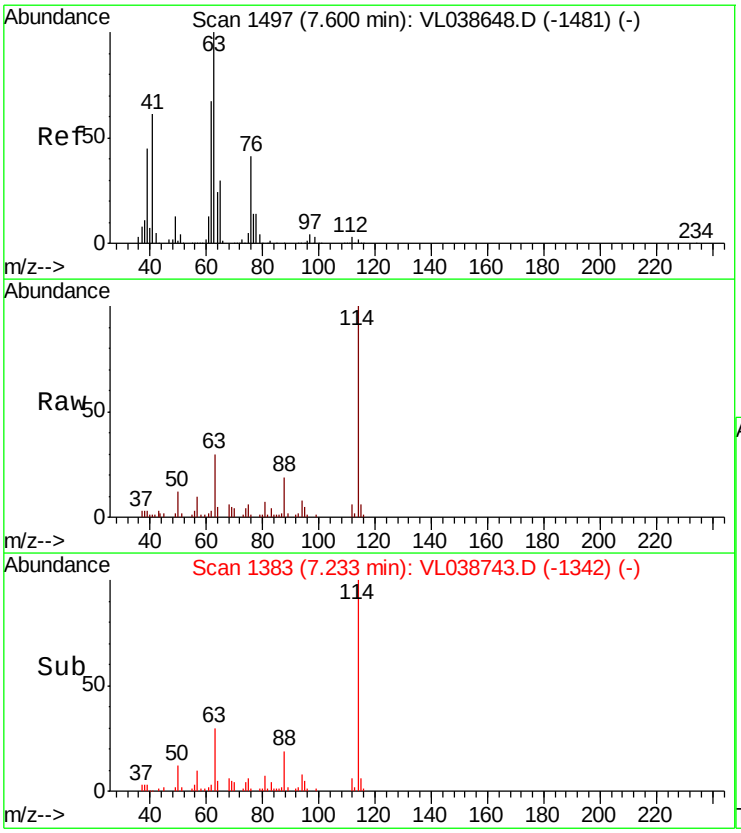
#36
Benzene
Concen: 0.068 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 78 Resp: 10344

Ion	Ratio	Lower	Upper
78	100		
77	17.7	18.1	27.1#
50	17.4	13.6	20.4

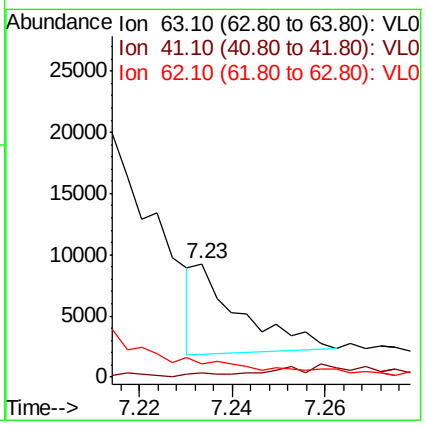


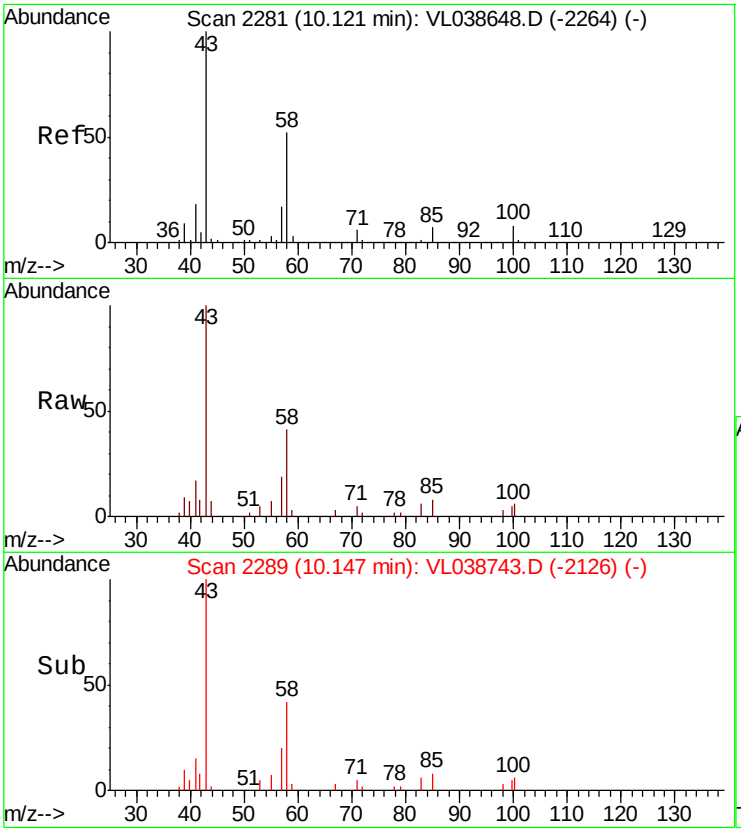


#39
1,2-Dichloropropane
Concen: 0.082 ppbv
RT: 7.23 min Scan# 1383
Delta R.T. -0.37 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 63 Resp: 4904

Ion	Ratio	Lower	Upper
63	100		
41	1.7	49.0	73.6#
62	4.7	53.9	80.9#



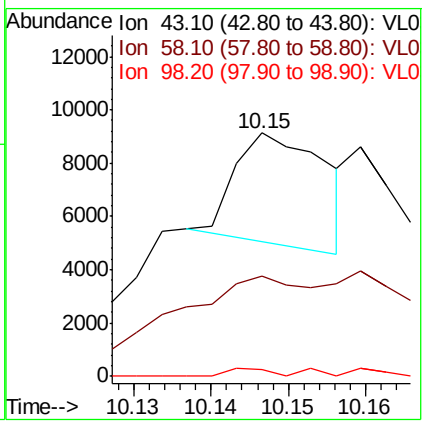


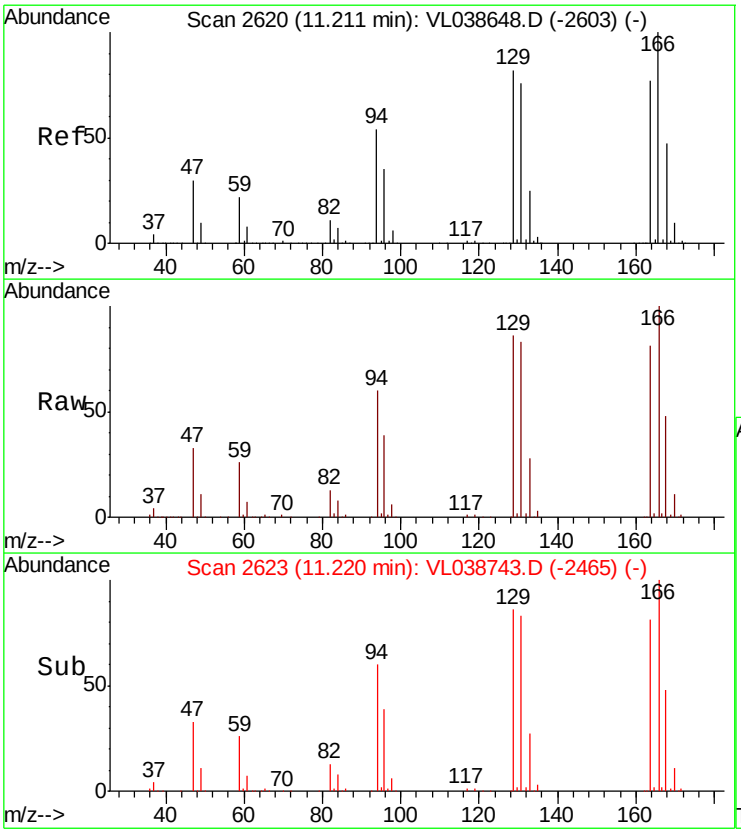
#51
2-Hexanone
Concen: 0.032 ppbv
RT: 10.15
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 43 Resp: 3315

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.2	61.8#
98	0.0	0.2	0.4#

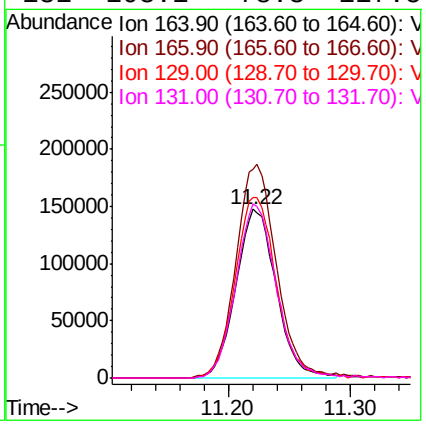


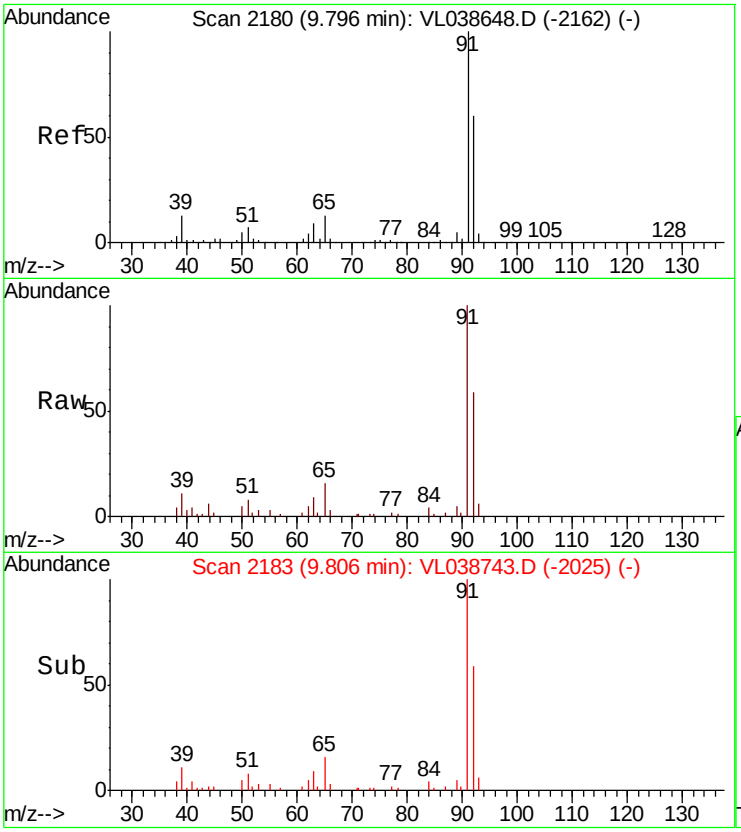


#52
Tetrachloroethene
Concen: 5.994 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion:164 Resp: 336010

Ion	Ratio	Lower	Upper
164	100		
166	124.1	103.3	154.9
129	107.3	85.2	127.8
131	103.1	78.3	117.5



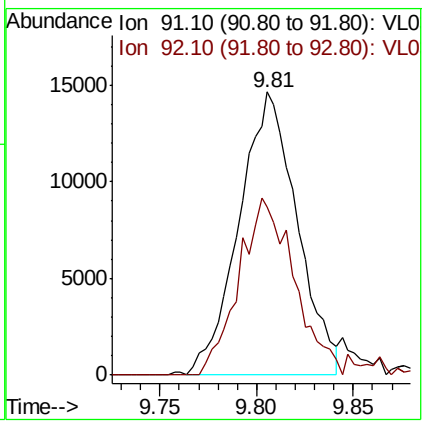


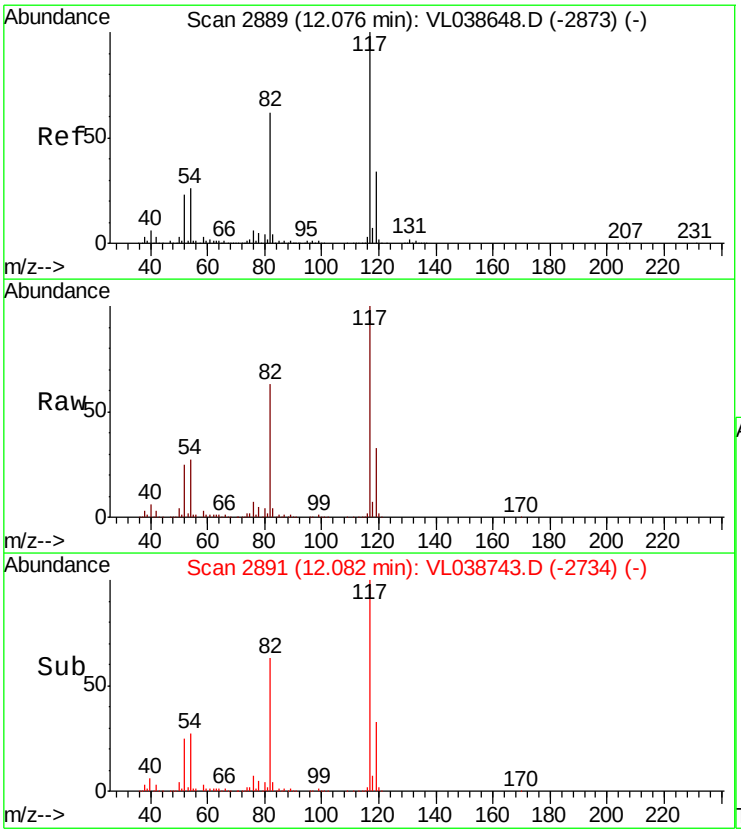
#53
Toluene
Concen: 0.186 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion: 91 Resp: 30557

Ion	Ratio	Lower	Upper
91	100		
92	63.1	48.7	73.1

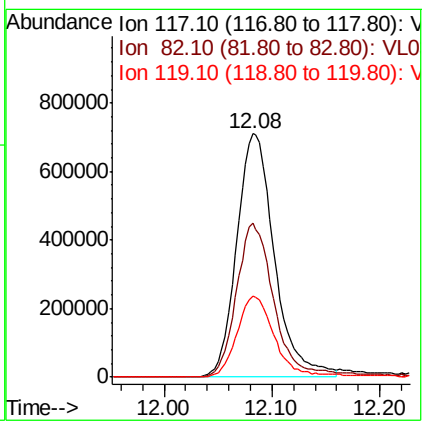


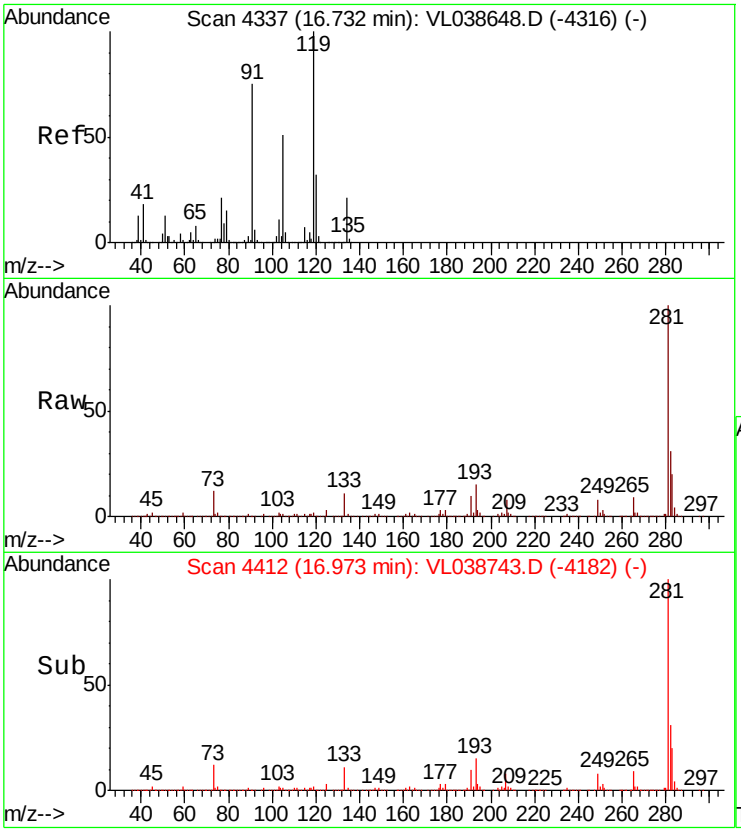


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion:117 Resp: 1728023

Ion	Ratio	Lower	Upper
117	100		
82	66.3	51.6	77.4
119	34.5	26.9	40.3



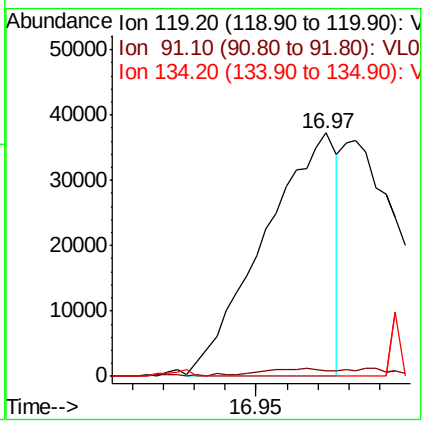


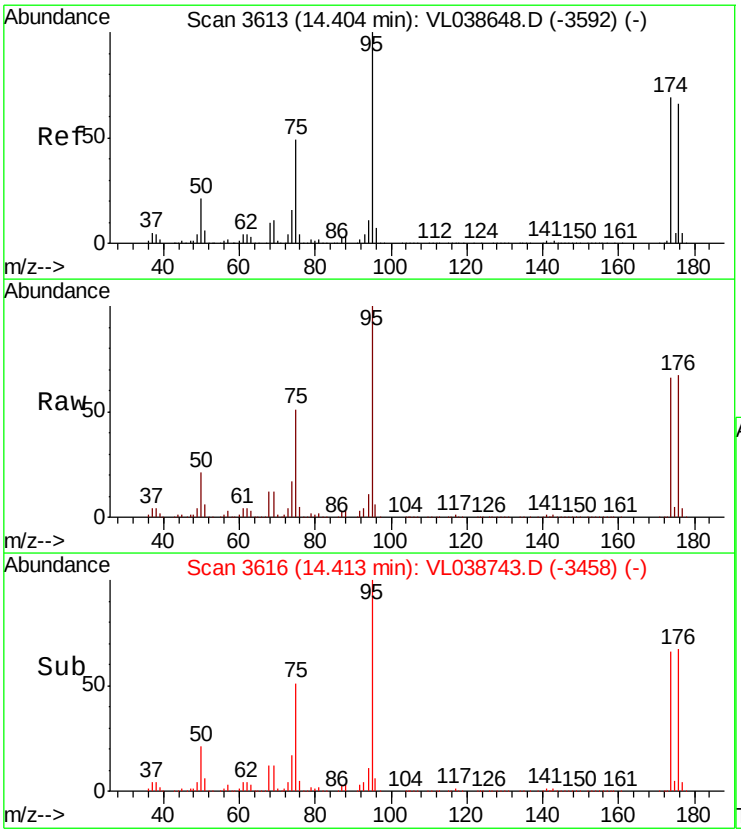
#65
tert-Butylbenzene
Concen: 0.269 ppbv
RT: 16.97
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion:119 Resp: 60861

Ion	Ratio	Lower	Upper
119	100		
91	0.0	61.2	91.8#
134	0.8	16.3	24.5#

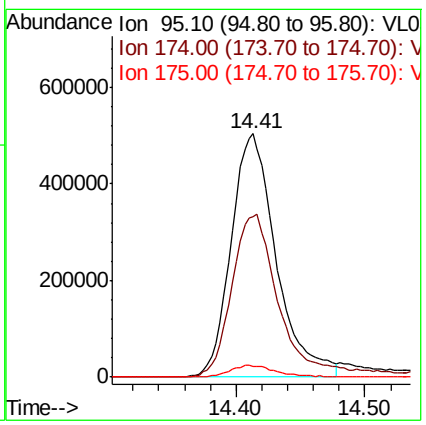


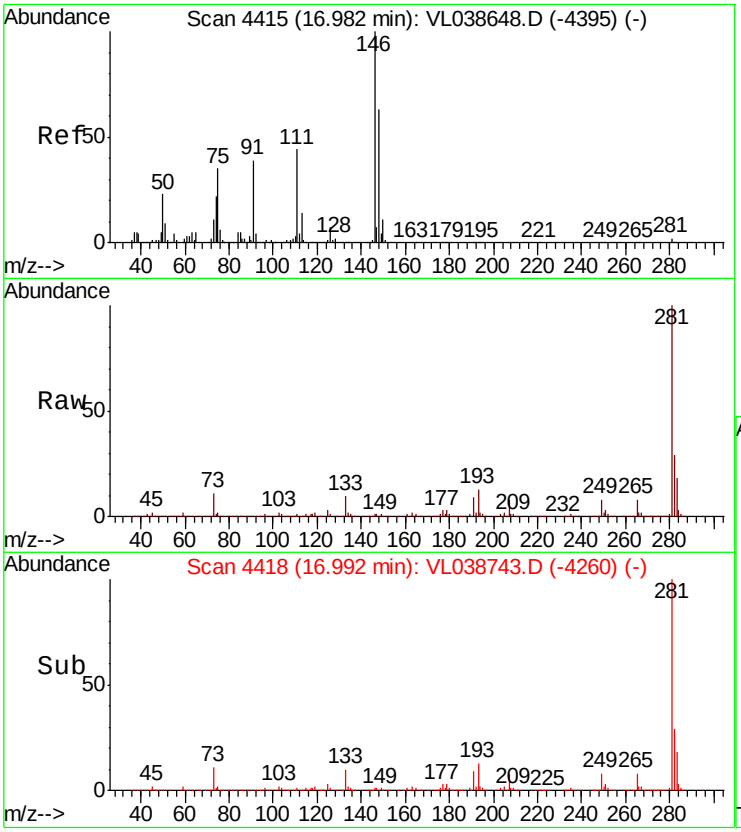


#68
1-Bromo-4-Fluorobenzene
Concen: 9.220 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.01 min
Lab File: VL038743.D
Acq: 24 Mar 2022 9:30

Tgt Ion: 95 Resp: 1221556

Ion	Ratio	Lower	Upper
95	100		
174	73.9	56.1	84.1
175	5.4	4.2	6.2





#75
1,3-Dichlorobenzene
Concen: 0.090 ppbv
RT: 16.99
Delta R.T
Lab File:
Acq: 24 Mar 2022 9:30

Instrument :
MSVOA_L
ClientSampleId :
C0PA0DL

Tgt Ion:146 Resp: 11231

Ion	Ratio	Lower	Upper
146	100		
111	357.1	22.2	66.6#
148	218.4	32.5	97.5#