Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038388.D
Acq On : 22 Feb 2022 14:22
Operator : SY/AP
Sample : N1585-01DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-FAM4GL-3DL2

Quant Time: Feb 23 07:03:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	970271	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.16	114	2522489	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2206759	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1718936	9.41	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	9587	0.06	ppbv		93
4) Chloromethane	3.14	50	1916	0.03	ppbv	#	64
5) Vinyl Chloride	3.26	62	15561	0.25	ppbv		91
7) Chloroethane	3.55	64	1693	0.08	ppbv		94
9) Propene	3.02	41	198456	3.51	ppbv		89
10) Heptane	8.11	43	9747	0.07	ppbv	#	1
11) Trichlorofluoromethane	3.95	101	1437088	9.77	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.05	101	5441	0.05	ppbv	#	15
13) Ethanol	3.62	45	2561	0.45	ppbv	#	31
15) Acetone	3.87	43	358468	4.34	ppbv	#	73
16) 1,3-Butadiene	3.30	39	42295	0.77	ppbv	#	29
20) Methylene Chloride	4.34	84	11711	0.29	ppbv		93
23) Vinyl Acetate	5.05	43	24403	0.22	ppbv	#	1
24) 1,1-Dichloroethane	5.01	63	6659	0.07	ppbv	#	91
25) Ethyl Acetate	5.68	43	35235	0.16	ppbv	#	78
26) Hexane	5.68	57	51734	0.52	ppbv	#	42
27) Carbon Disulfide	4.55	76	52089	0.47	ppbv	#	82
29) Chloroform	5.74	83	5144	0.03	ppbv	#	78
30) Cyclohexane	7.12	84	11886	0.14	ppbv	#	1
31) cis-1,2-Dichloroethene	5.54	61	40257	0.41	ppbv		97
32) 1,1,1-Trichloroethane	6.50	97	6431	0.04	ppbv	#	22
34) 2-Butanone	5.26	43	8554	0.11	ppbv	#	51
36) Benzene	6.88	78	103165	0.46	ppbv		92
38) Trichloroethene	7.82	130	6247	0.08	ppbv		94
39) 1,2-Dichloropropane	7.16	63	627537	7.09	ppbv	#	25
52) Tetrachloroethene	11.21	164	9510	0.13	ppbv		93
53) Toluene	9.79	91	24617	0.10	ppbv	#	27
57) Chlorobenzene	12.13	112	11761	0.07	ppbv	#	90

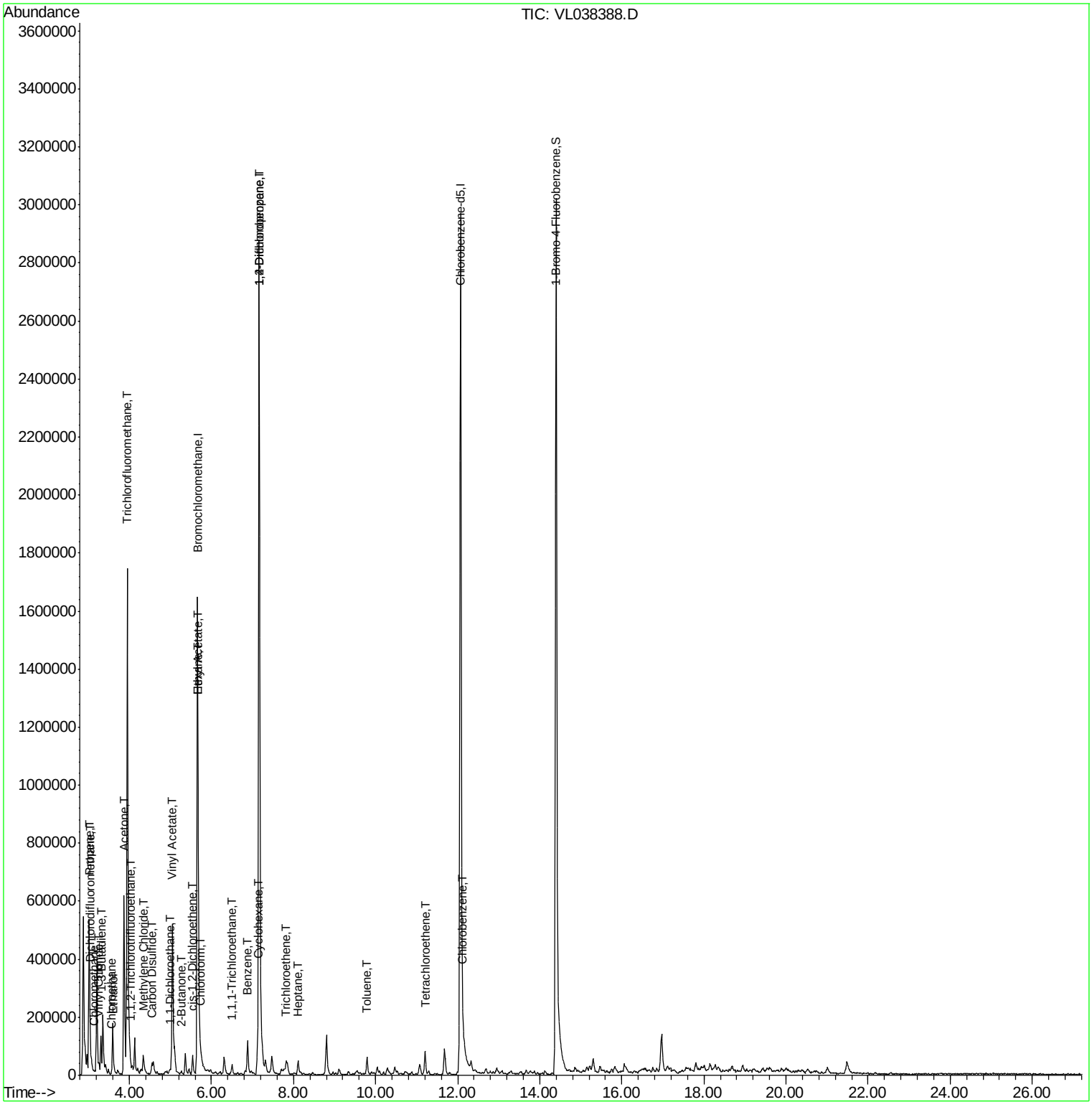
(#) = qualifier out of range (m) = manual integration (+) = signals summed

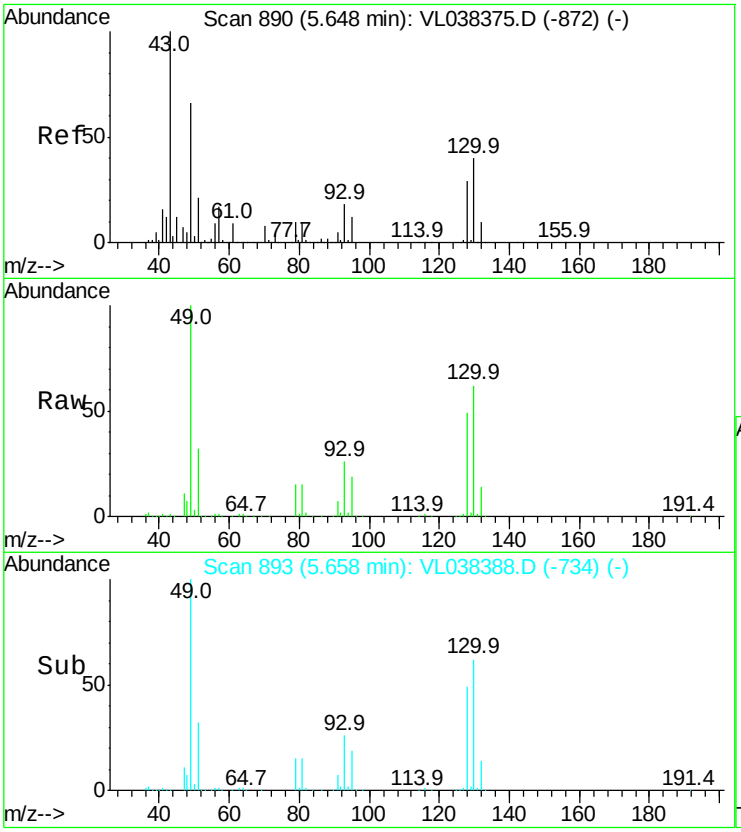
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
Data File : VL038388.D
Acq On : 22 Feb 2022 14:22
Operator : SY/AP
Sample : N1585-01DL2 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Quant Time: Feb 23 07:03:14 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration



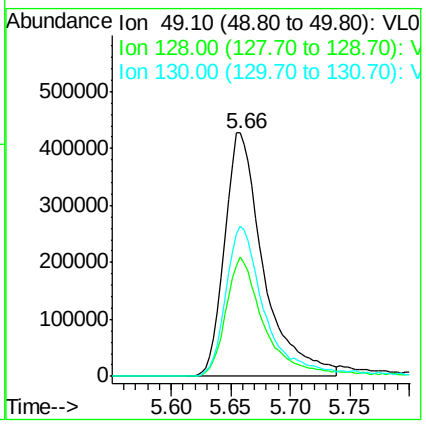


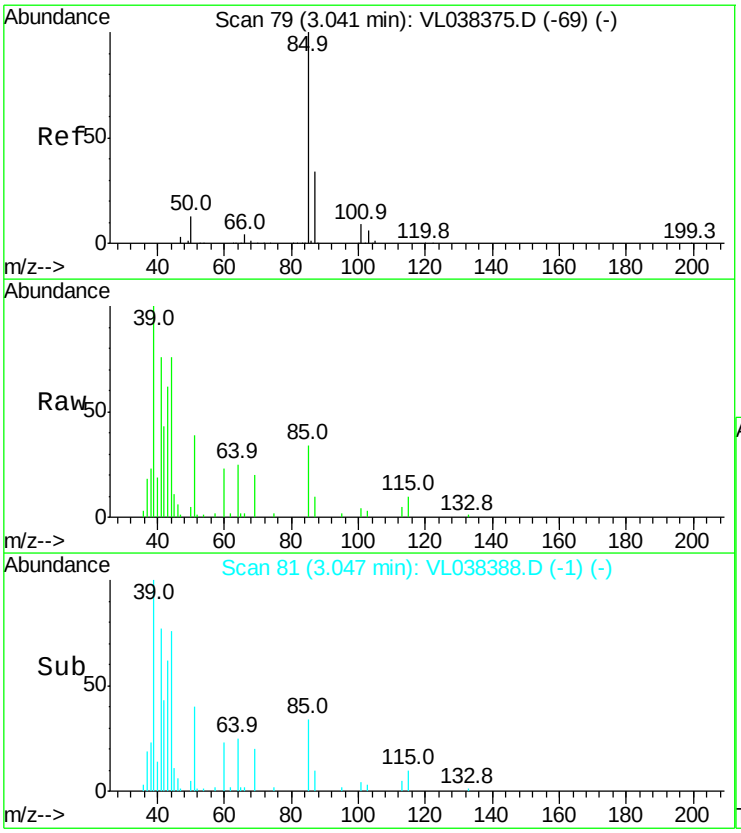
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 49 Resp: 970271

Ion	Ratio	Lower	Upper
49	100		
128	50.5	24.3	72.9
130	64.8	30.1	90.5

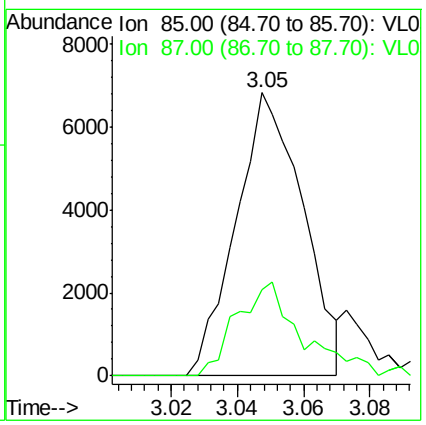


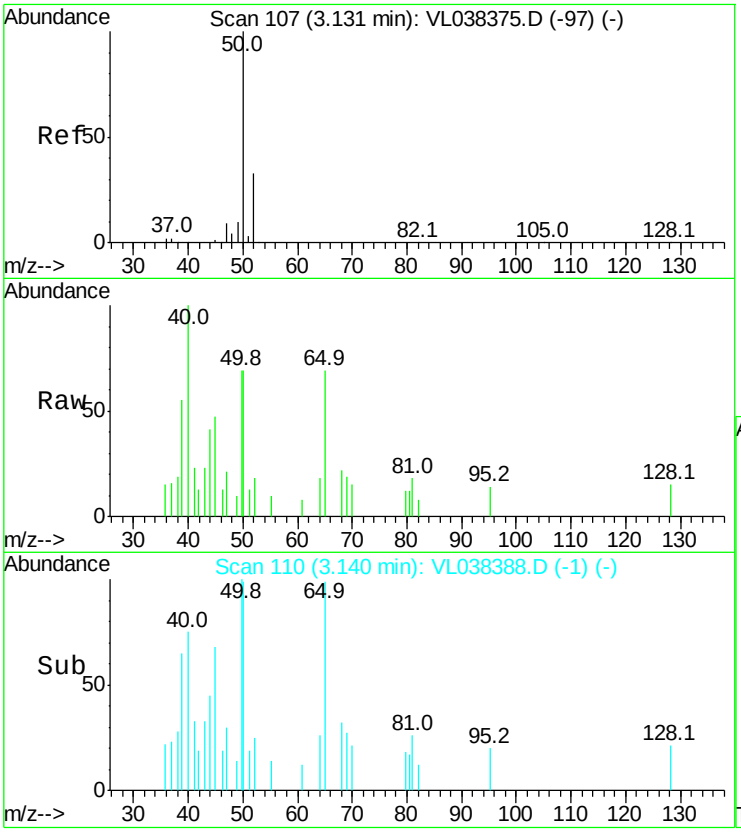


#2
Dichlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.05 min Scan# 81
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 85 Resp: 9587

Ion	Ratio	Lower	Upper
85	100		
87	30.4	27.4	41.0



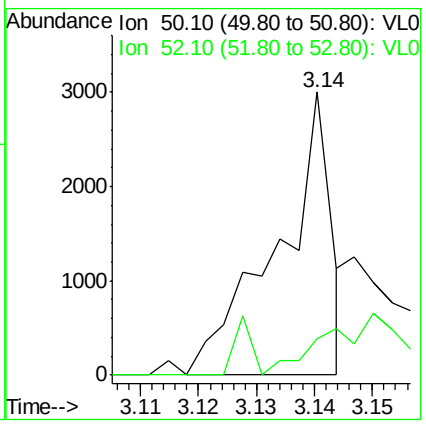


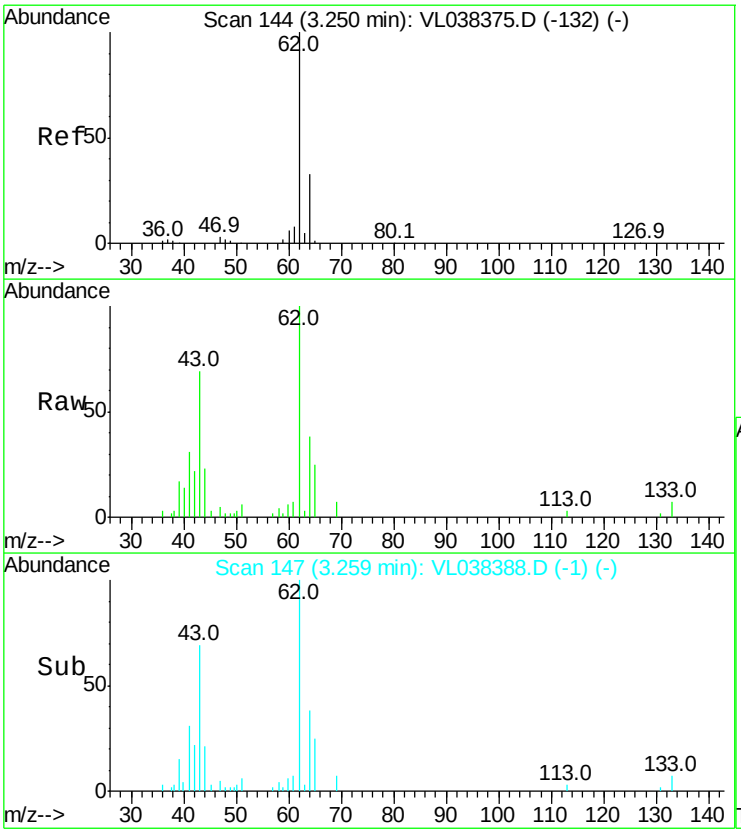
#4
Chloromethane
Concen: 0.03 ppbv
RT: 3.14
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 50 Resp: 1916

Ion	Ratio	Lower	Upper
50	100		
52	12.8	26.5	39.7#

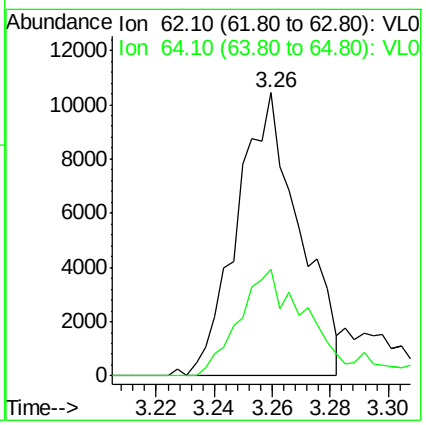


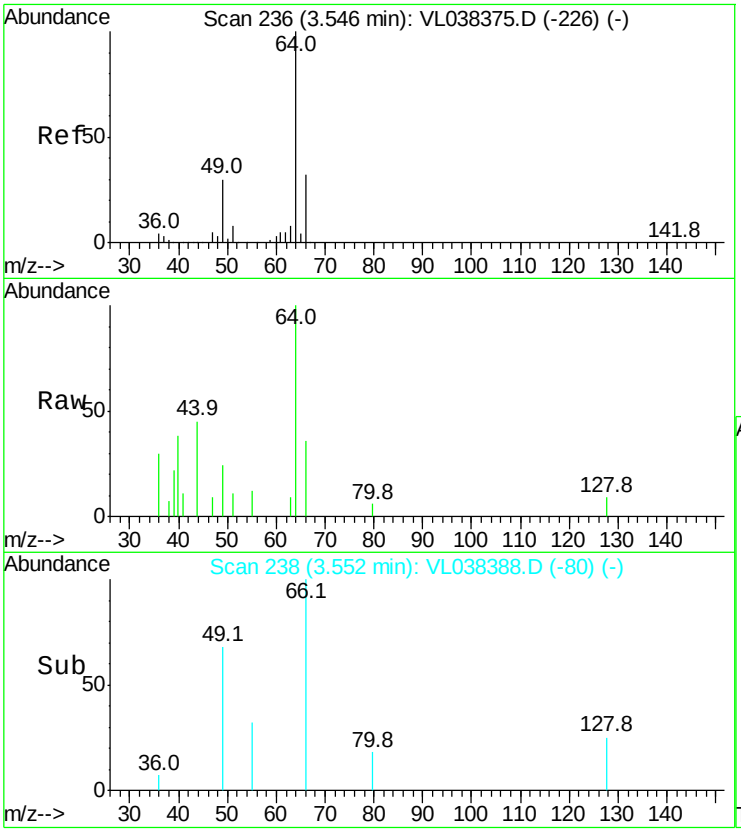


#5
Vinyl Chloride
Concen: 0.25 ppbv
RT: 3.26 min Scan# 147
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 62 Resp: 15561

Ion	Ratio	Lower	Upper
62	100		
64	37.7	26.2	39.2



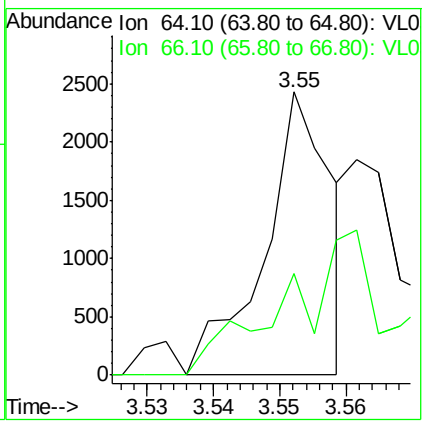


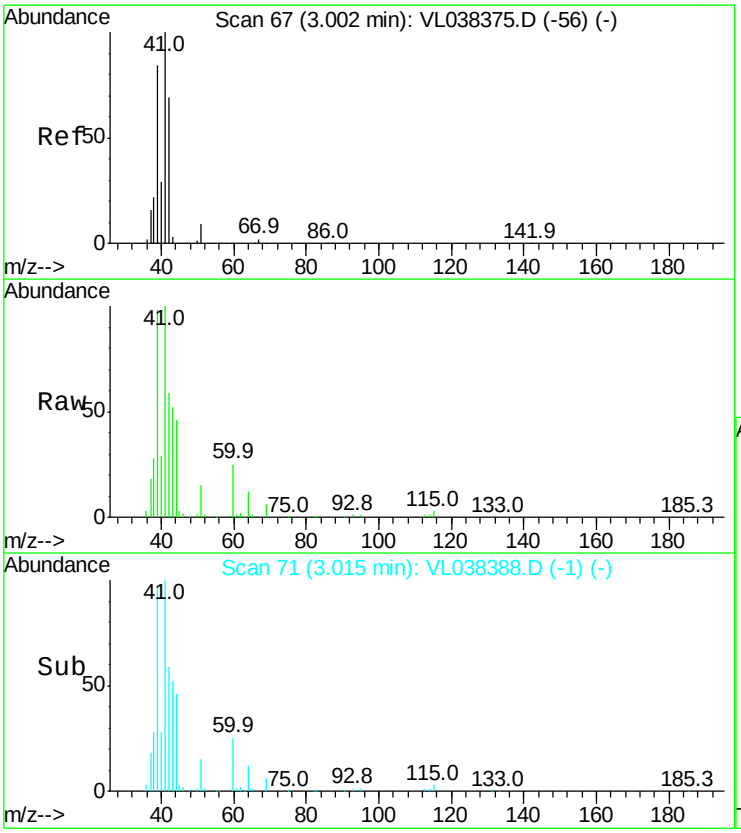
#7
Chloroethane
Concen: 0.08 ppbv
RT: 3.55
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 64 Resp: 1693

Ion	Ratio	Lower	Upper
64	100		
66	36.0	25.9	38.9

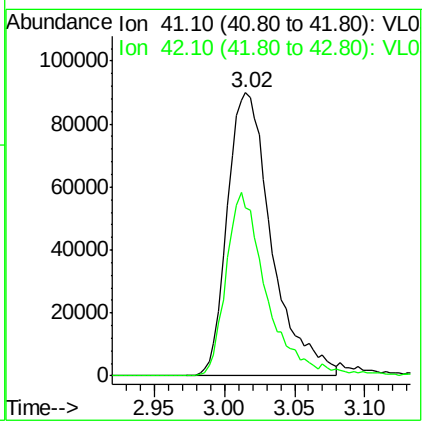


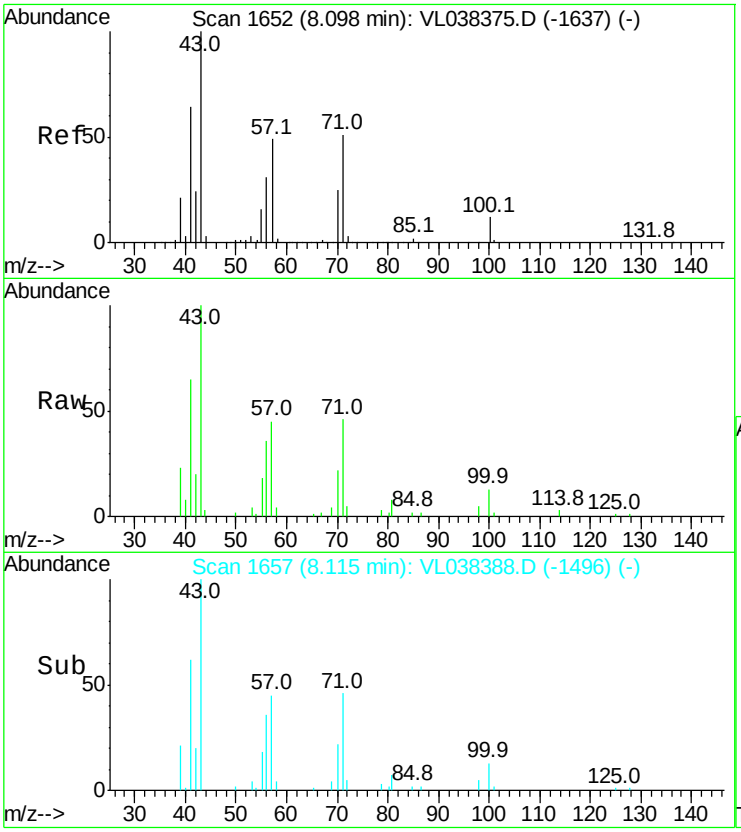


#9
Propene
Concen: 3.51 ppbv
RT: 3.02 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 41 Resp: 198456

Ion	Ratio	Lower	Upper
41	100		
42	59.1	54.6	82.0



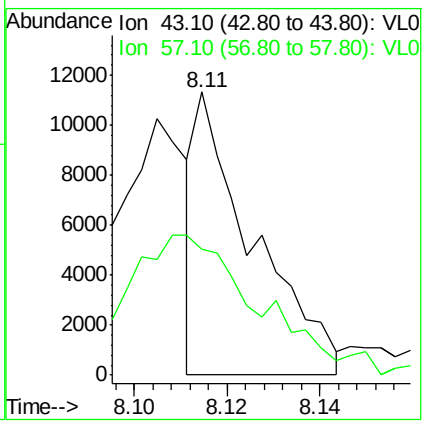


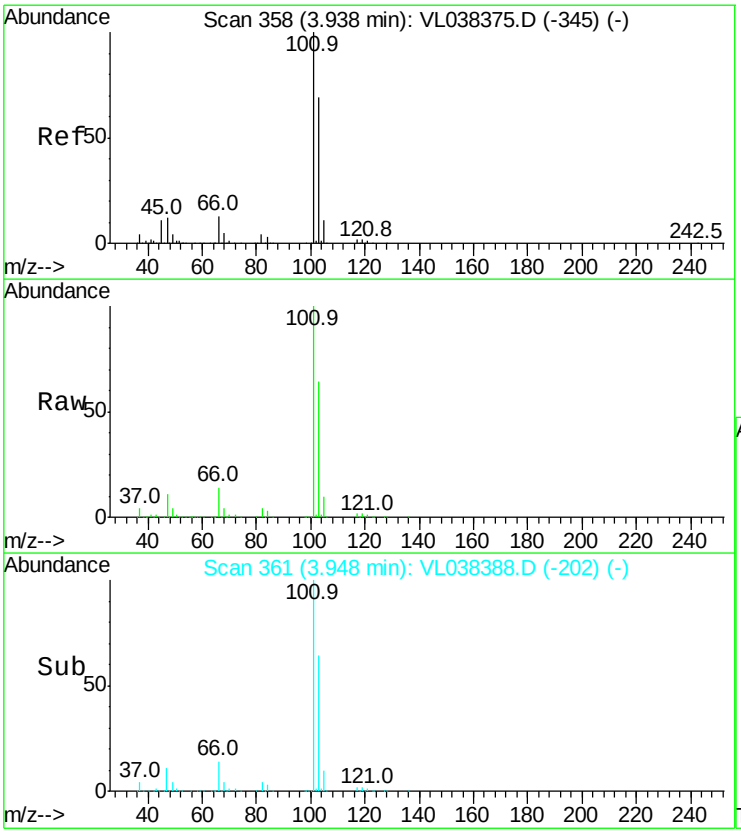
#10
Heptane
Concen: 0.07 ppbv
RT: 8.11
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 43 Resp: 9747

Ion	Ratio	Lower	Upper
43	100		
57	124.7	39.8	59.8#

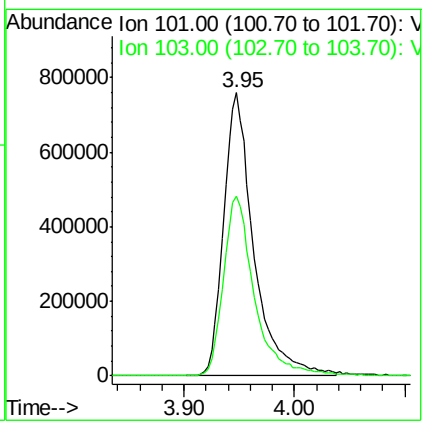


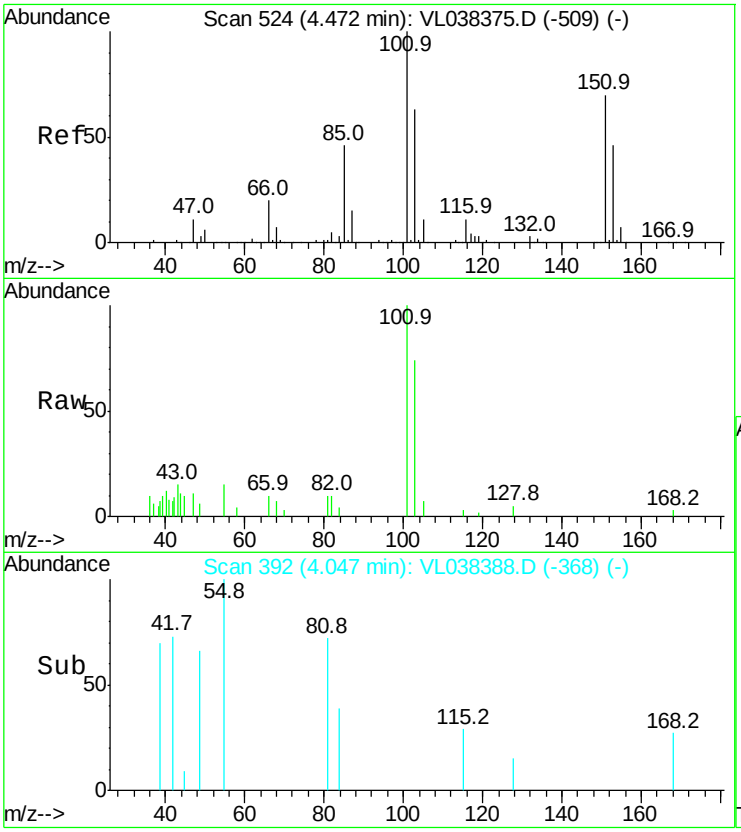


#11
Trichlorofluoromethane
Concen: 9.77 ppbv
RT: 3.95 min Scan# 361
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion:101 Resp: 1437088

Ion	Ratio	Lower	Upper
101	100		
103	63.7	55.0	82.4



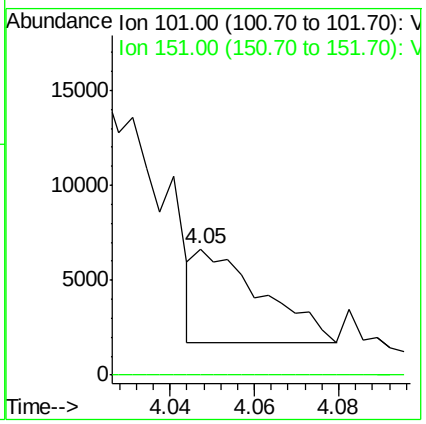


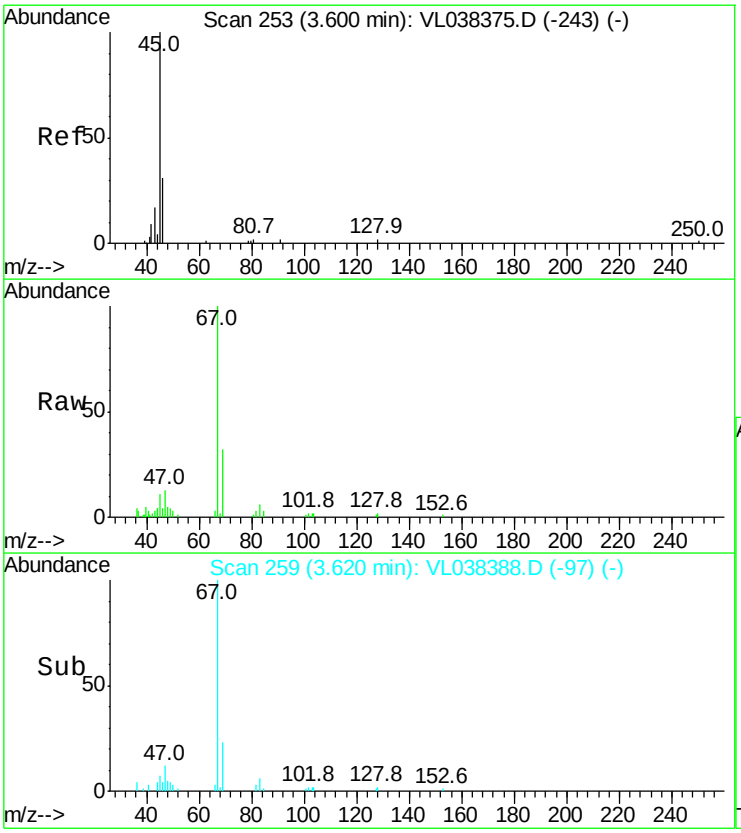
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.05 ppbv
RT: 4.05
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion:101 Resp: 5441

Ion	Ratio	Lower	Upper
101	100		
151	0.0	55.9	83.9#

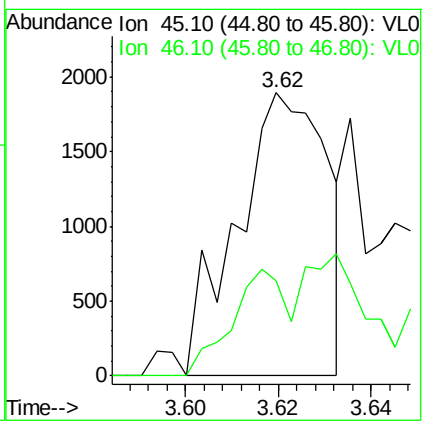


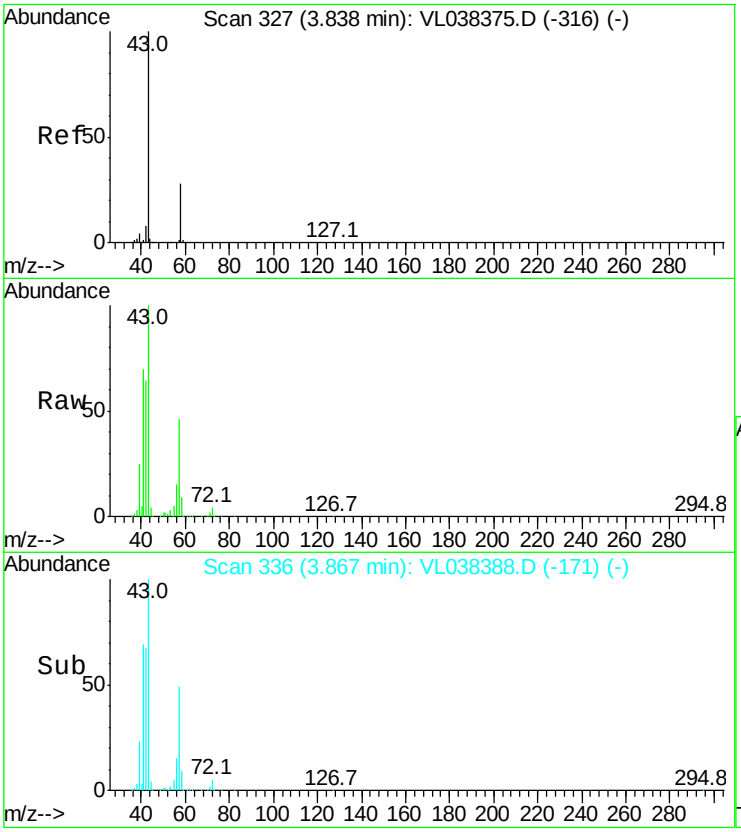


#13
Ethanol
Concen: 0.45 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 45 Resp: 2561

Ion	Ratio	Lower	Upper
45	100		
46	0.0	18.2	72.8#



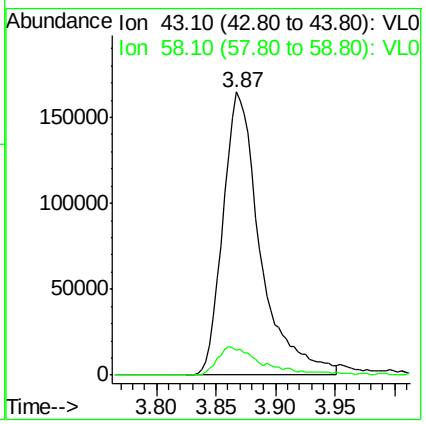


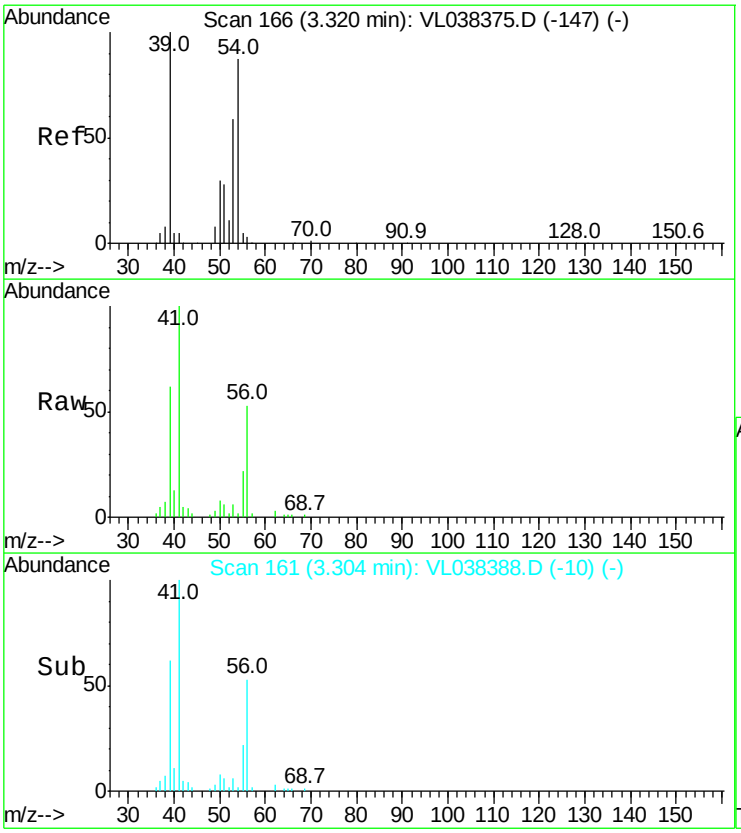
#15
Acetone
Concen: 4.34 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 43 Resp: 358468

Ion	Ratio	Lower	Upper
43	100		
58	12.8	21.7	32.5#

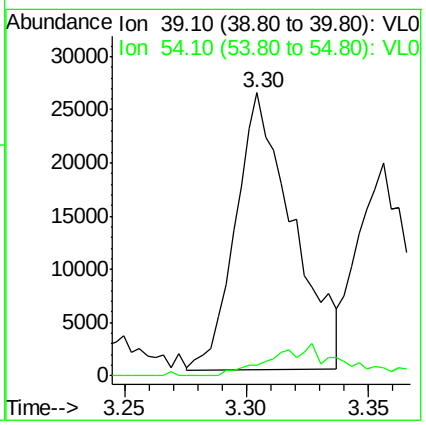


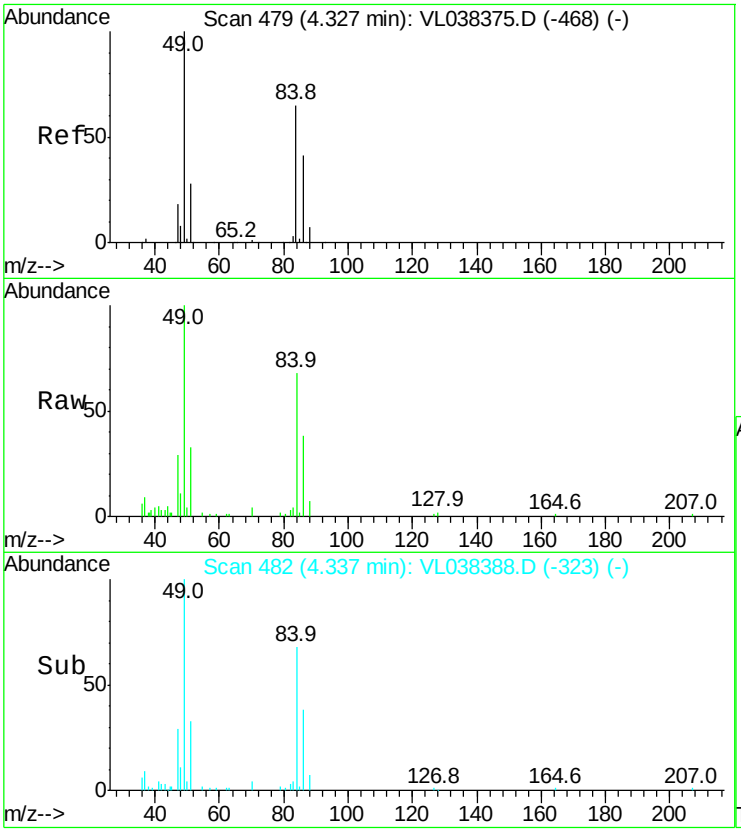


#16
1,3-Butadiene
Concen: 0.77 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 39 Resp: 42295

Ion	Ratio	Lower	Upper
39	100		
54	15.1	60.3	90.5#



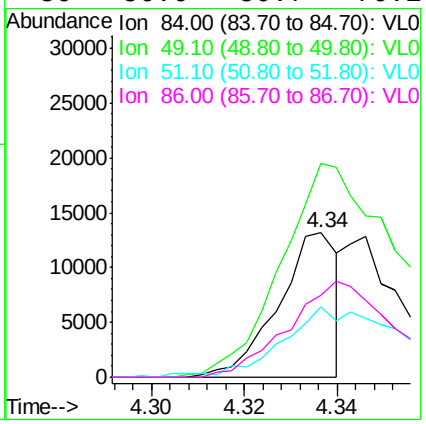


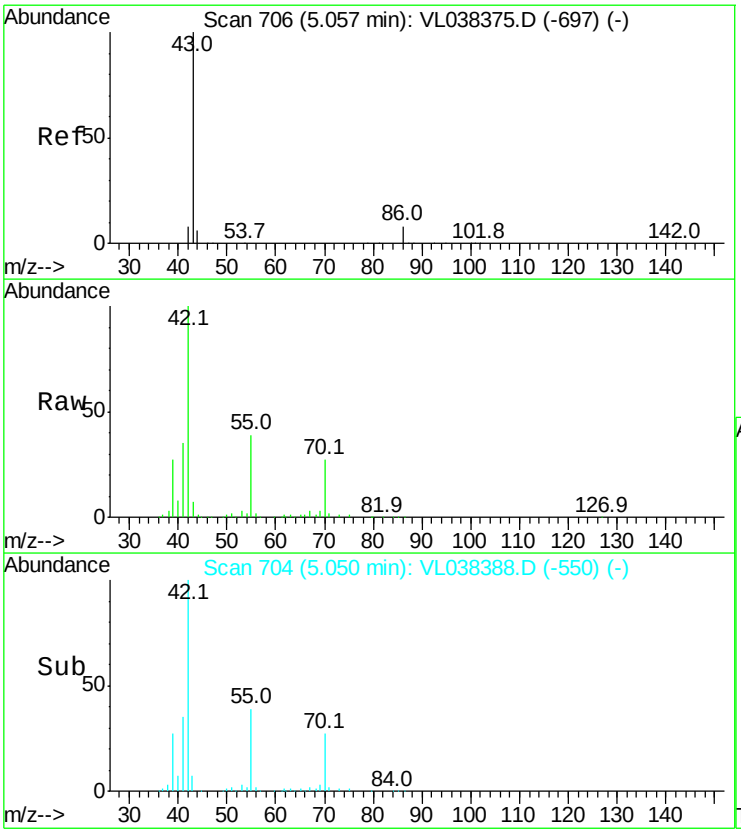
#20
Methylene Chloride
Concen: 0.29 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 84 Resp: 11711

Ion	Ratio	Lower	Upper
84	100		
49	146.0	122.4	183.6
51	46.5	33.3	49.9
86	56.6	50.7	76.1

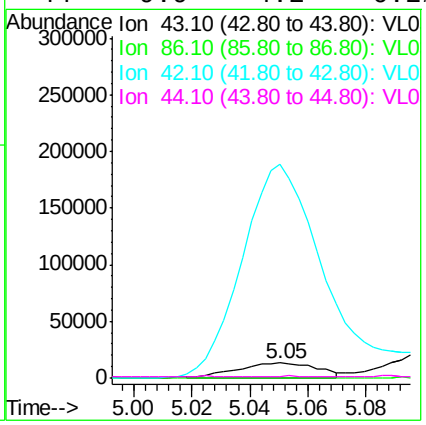


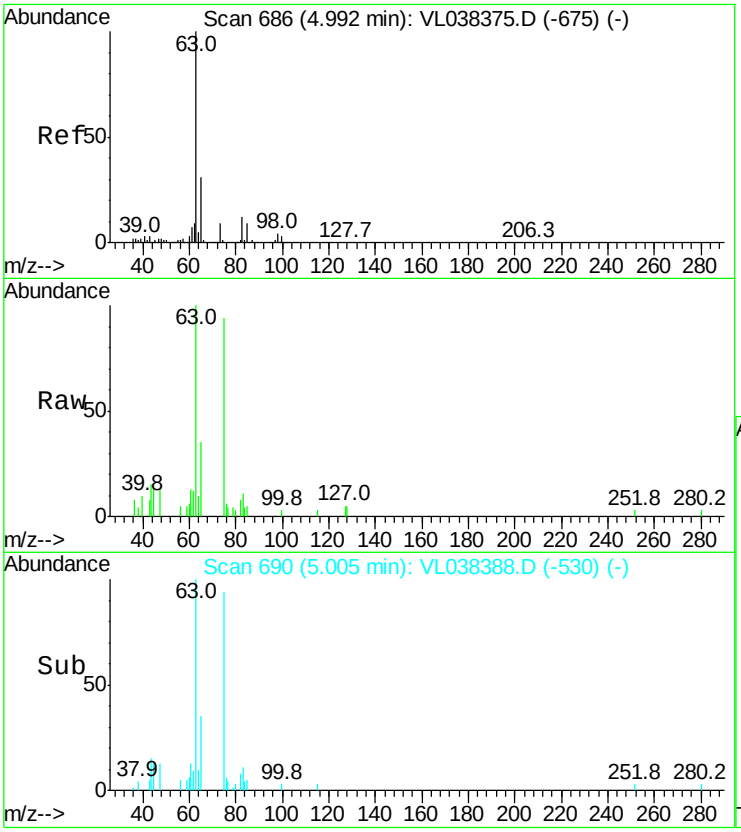


#23
Vinyl Acetate
Concen: 0.22 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 43 Resp: 24403

Ion	Ratio	Lower	Upper
43	100		
86	2.9	5.8	8.6#
42	1459.7	7.4	11.0#
44	9.9	4.2	6.2#



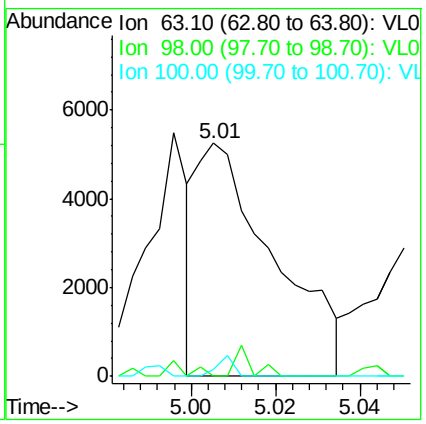


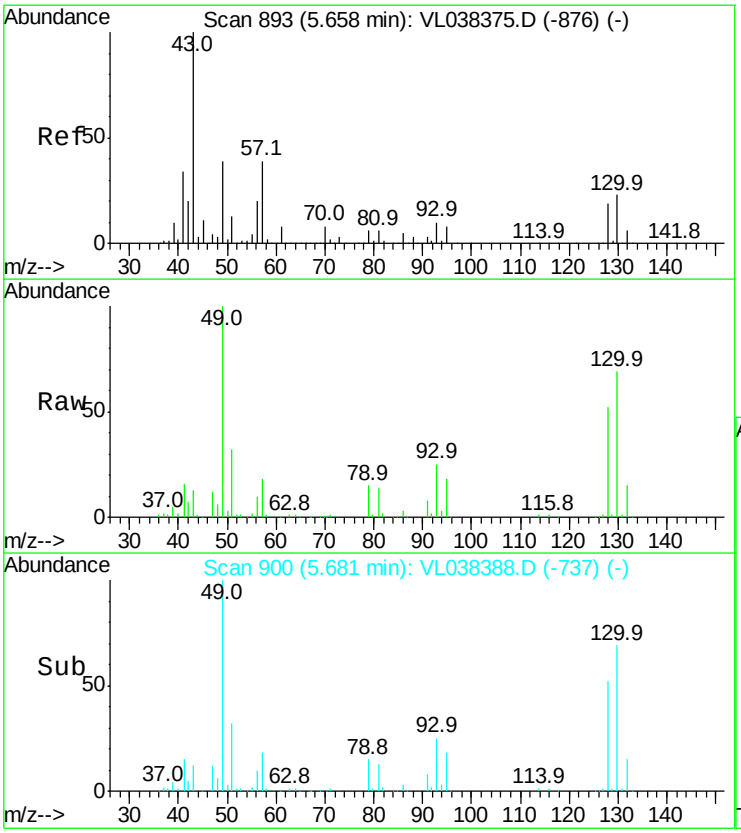
#24
1,1-Dichloroethane
Concen: 0.07 ppbv
RT: 5.01
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 63 Resp: 6659

Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.1	6.5#
100	3.8	1.4	4.2

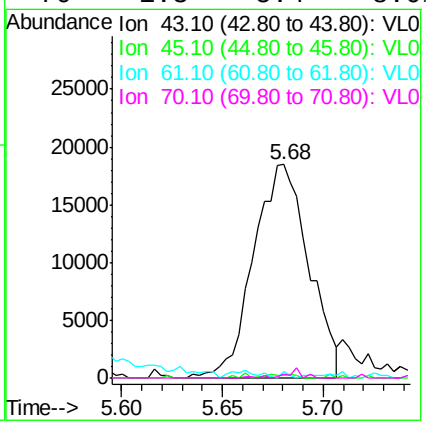


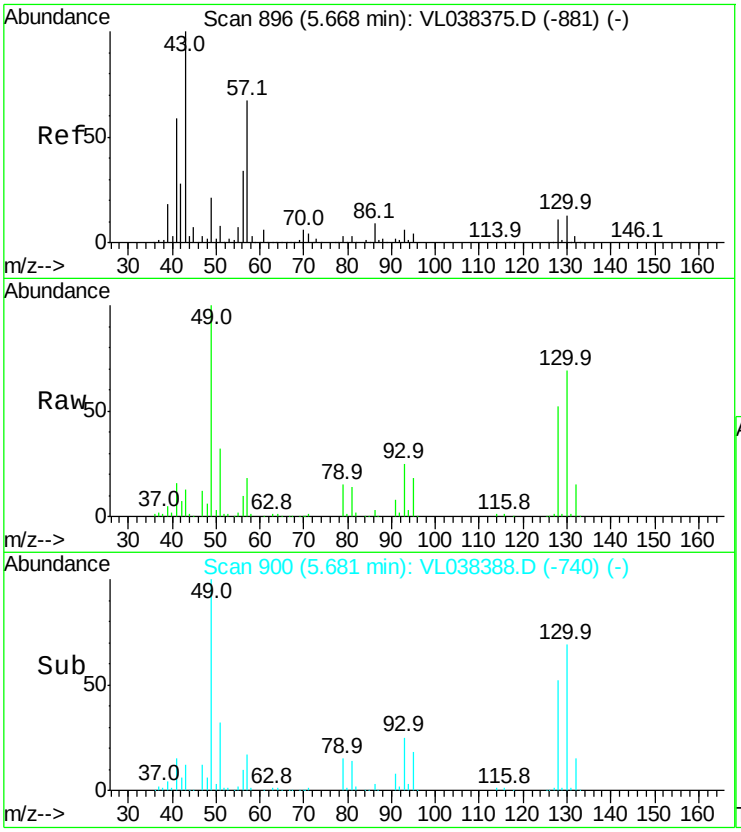


#25
Ethyl Acetate
Concen: 0.16 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 43 Resp: 35235

Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.8	11.6#
61	0.0	7.5	11.3#
70	1.3	5.4	8.0#



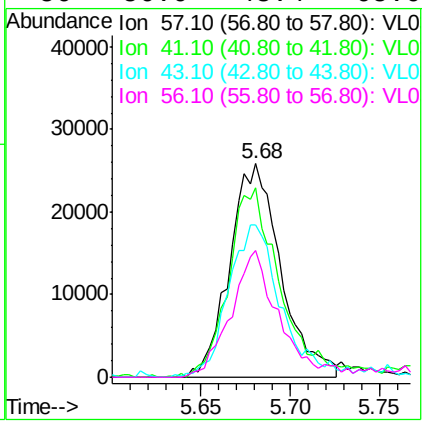


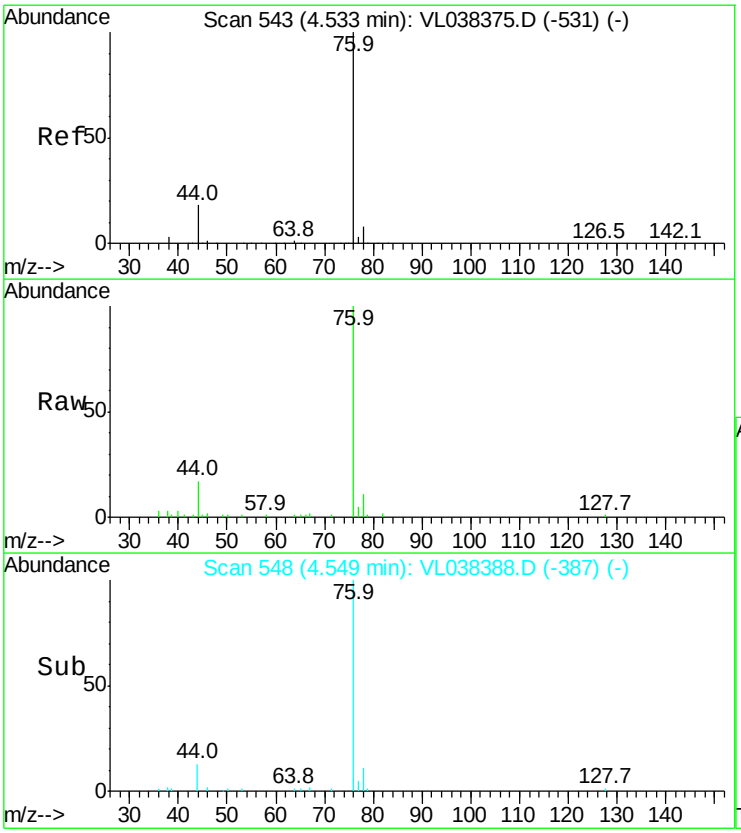
#26
Hexane
Concen: 0.52 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 57 Resp: 51734

Ion	Ratio	Lower	Upper
57	100		
41	88.9	73.1	109.7
43	73.9	181.0	271.4#
56	56.0	43.4	65.0

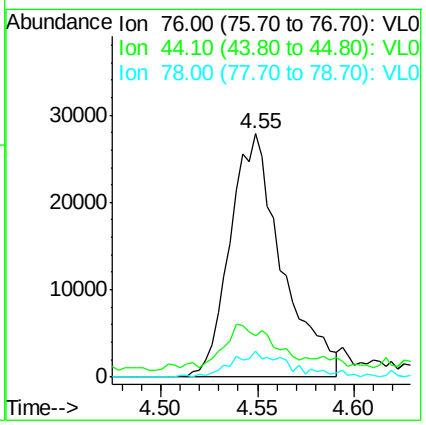


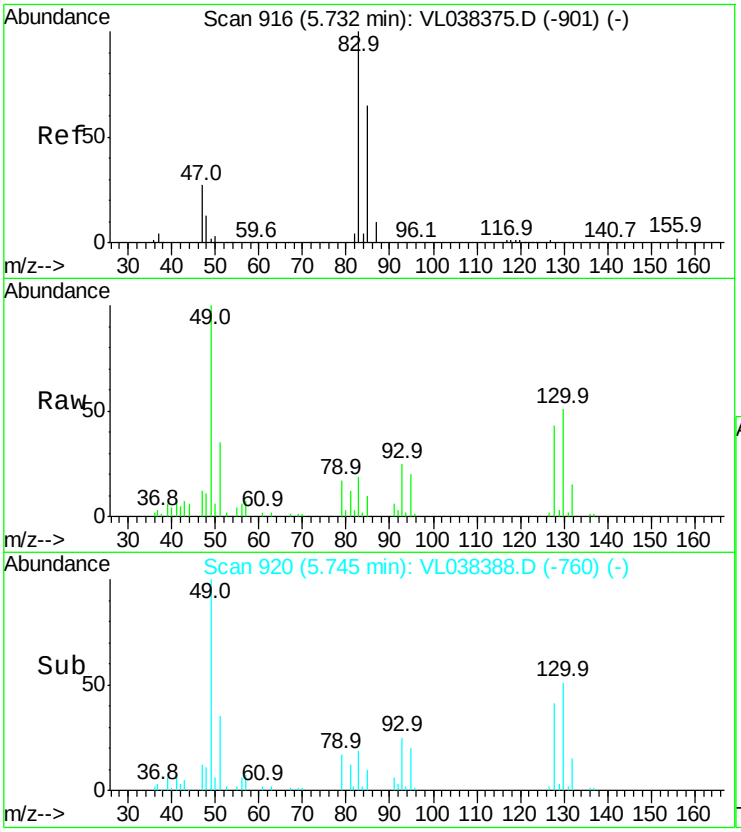


#27
Carbon Disulfide
Concen: 0.47 ppbv
RT: 4.55 min Scan# 548
Delta R.T. 0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 76 Resp: 52089

Ion	Ratio	Lower	Upper
76	100		
44	28.8	14.2	21.2#
78	11.9	7.8	11.6#



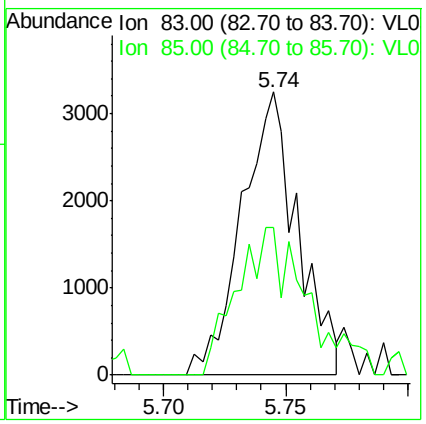


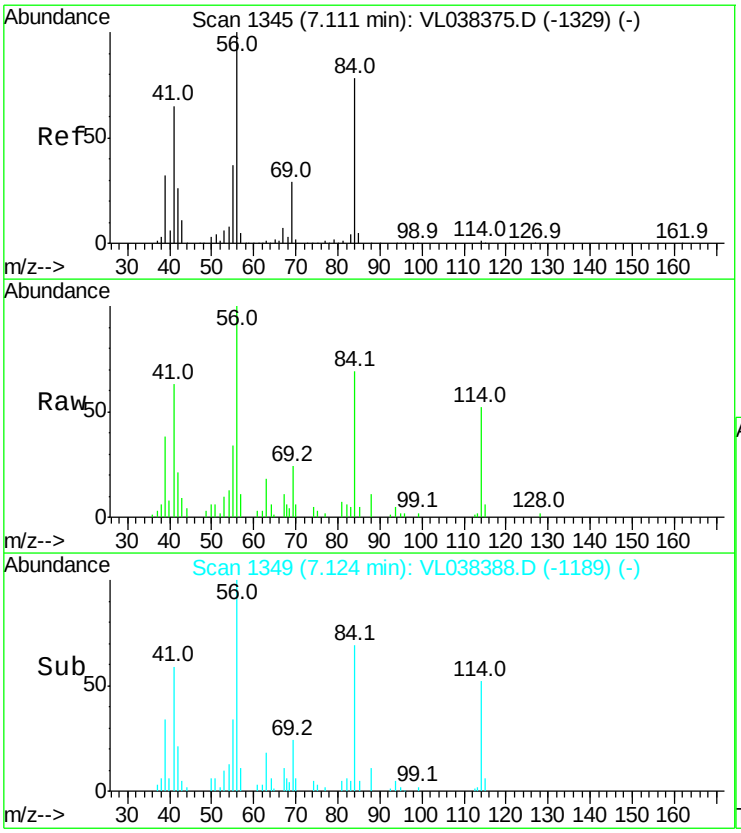
#29
Chloroform
Concen: 0.03 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 83 Resp: 5144

Ion	Ratio	Lower	Upper
83	100		
85	47.5	51.6	77.4#

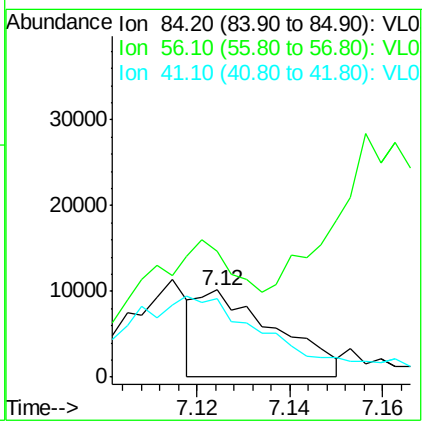


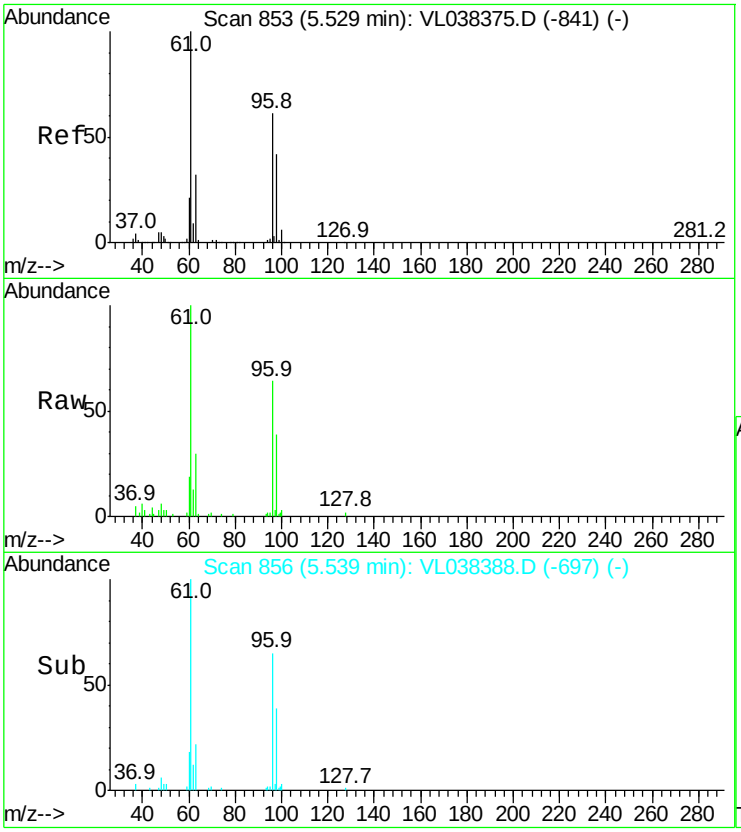


#30
Cyclohexane
Concen: 0.14 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 84 Resp: 11886

Ion	Ratio	Lower	Upper
84	100		
56	0.0	116.2	174.4#
41	0.0	74.3	111.5#



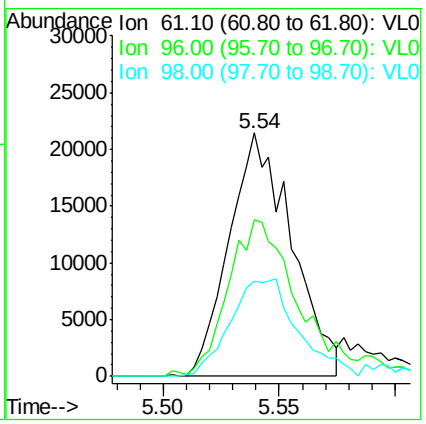


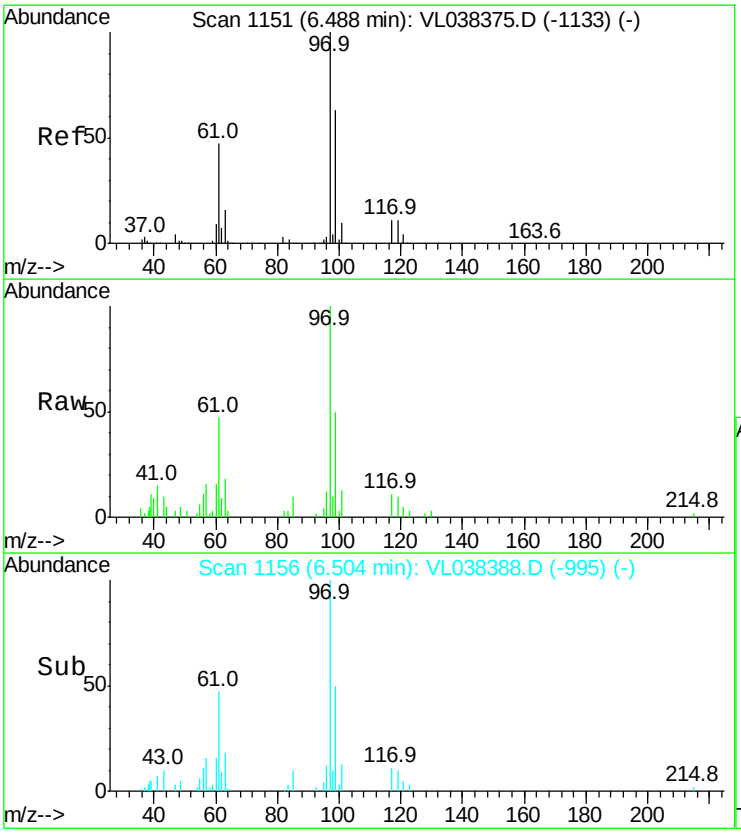
#31
cis-1,2-Dichloroethene
Concen: 0.41 ppbv
RT: 5.54
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 61 Resp: 40257

Ion	Ratio	Lower	Upper
61	100		
96	63.6	48.6	73.0
98	39.5	33.2	49.8

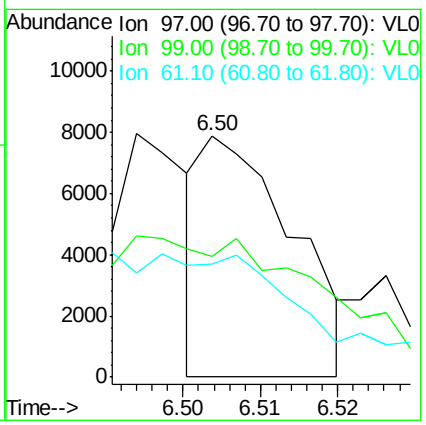


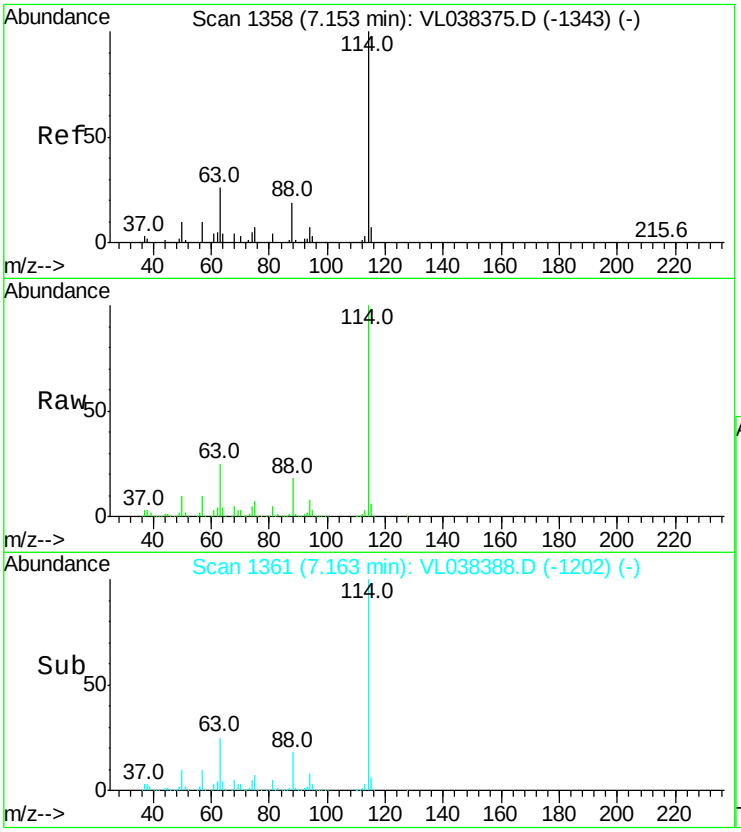


#32
1,1,1-Trichloroethane
Concen: 0.04 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. 0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 97 Resp: 6431

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.9	77.9#
61	0.0	40.5	60.7#



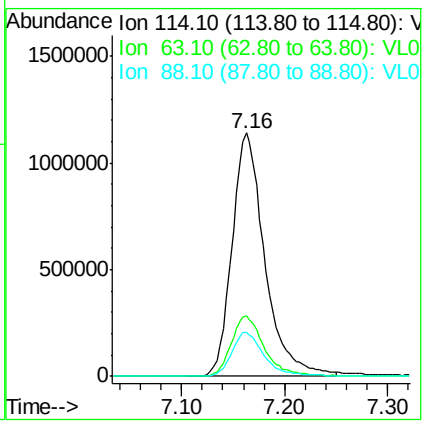


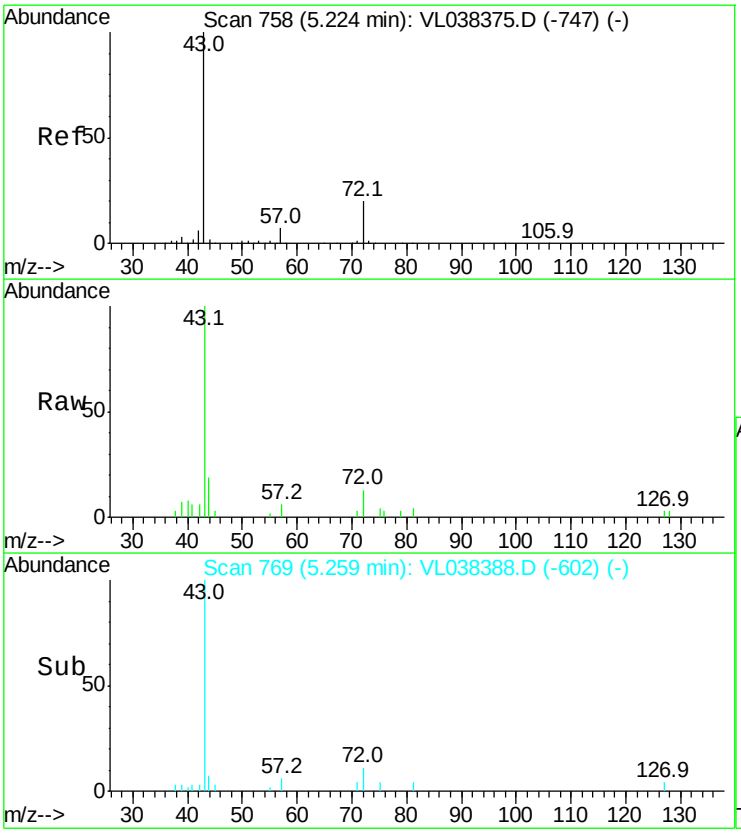
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion:114 Resp: 2522489

Ion	Ratio	Lower	Upper
114	100		
63	25.7	22.2	33.2
88	18.2	15.2	22.8

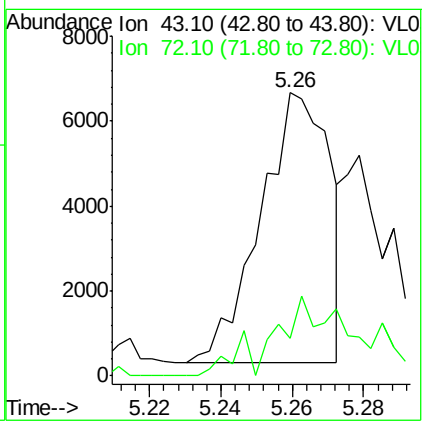


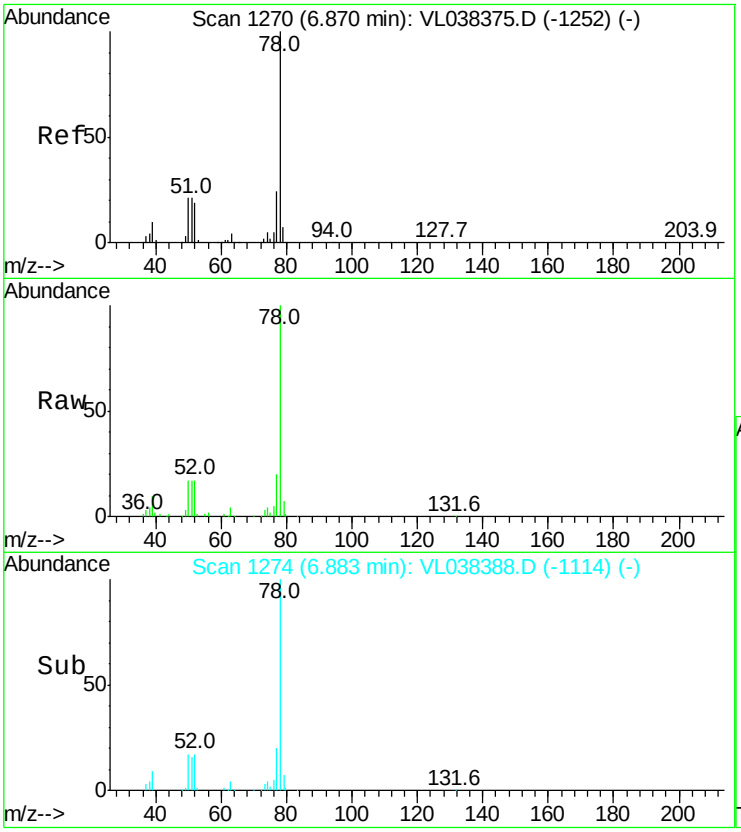


#34
2-Butanone
Concen: 0.11 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.04 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 43 Resp: 8554

Ion	Ratio	Lower	Upper
43	100		
72	45.2	17.4	26.2#



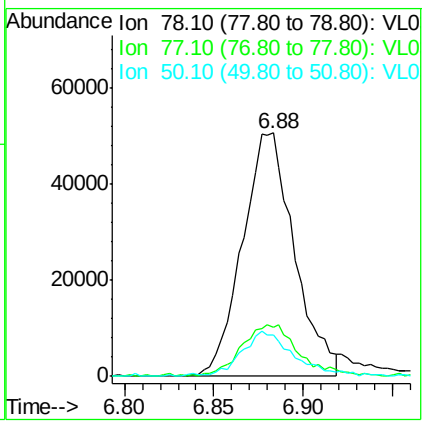


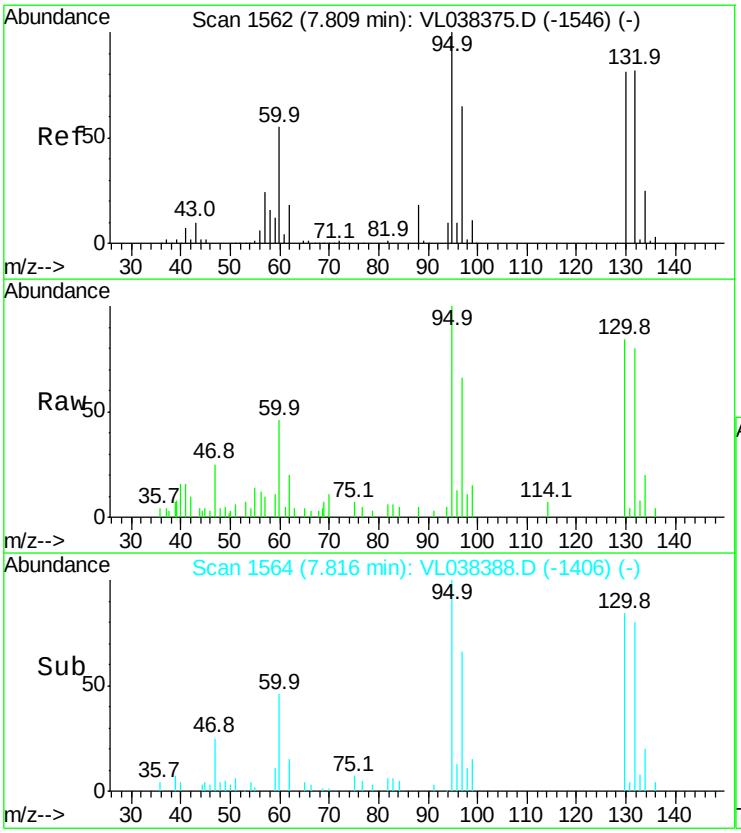
#36
Benzene
Concen: 0.46 ppbv
RT: 6.88
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 78 Resp: 103165

Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.0	28.6
50	16.6	16.6	24.8

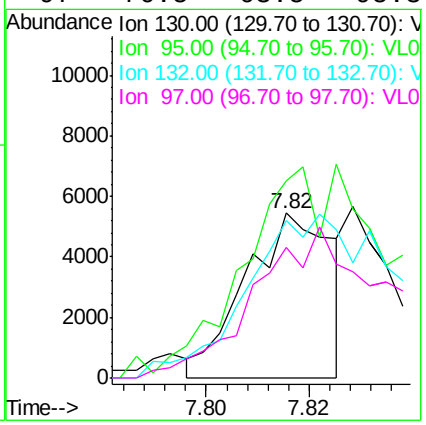


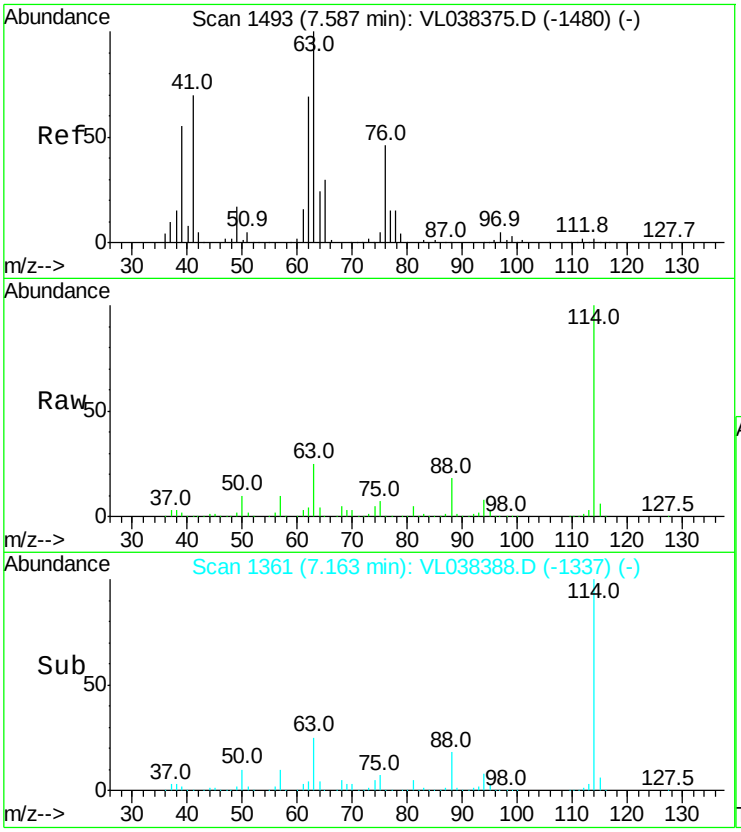


#38
Trichloroethene
Concen: 0.08 ppbv
RT: 7.82 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion:130 Resp: 6247

Ion	Ratio	Lower	Upper
130	100		
95	113.0	98.1	147.1
132	94.6	80.3	120.5
97	76.5	63.5	95.3



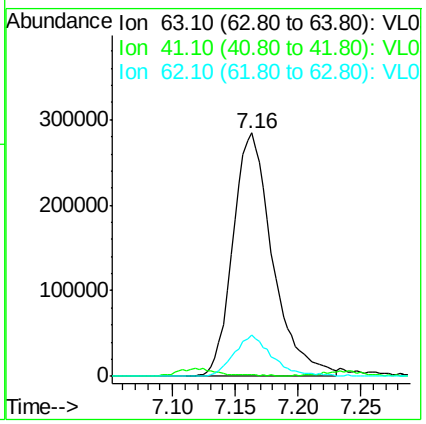


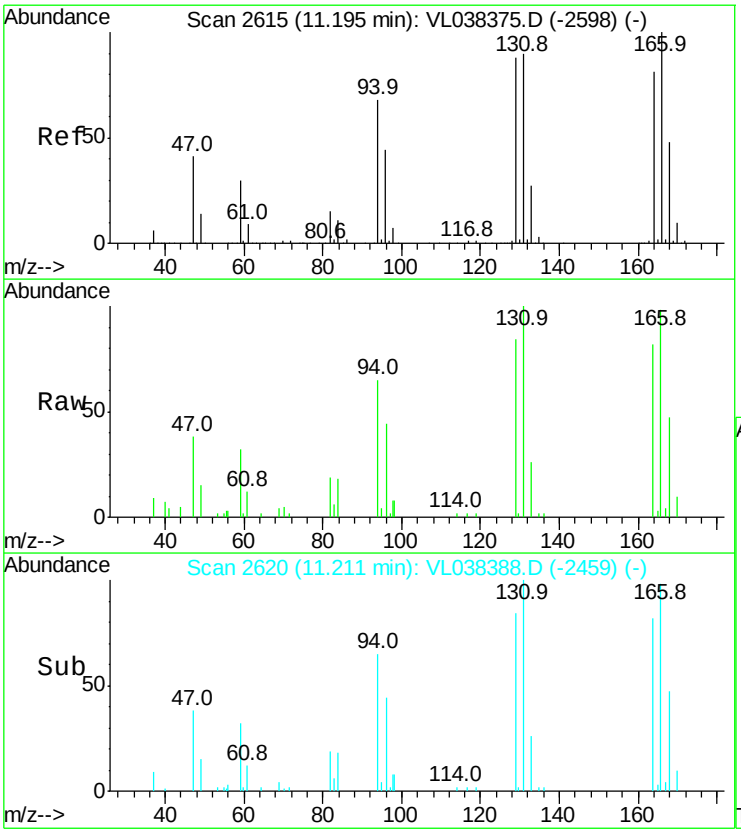
#39
1,2-Dichloropropane
Concen: 7.09 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 63 Resp: 627537

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	16.9	55.5	83.3#

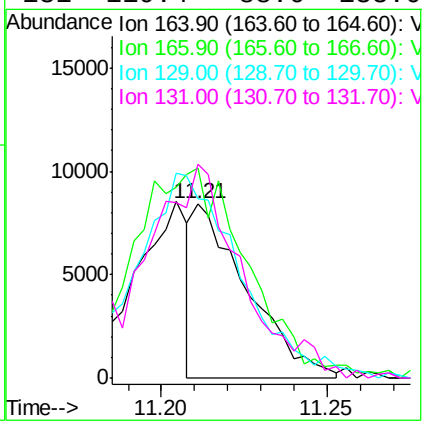


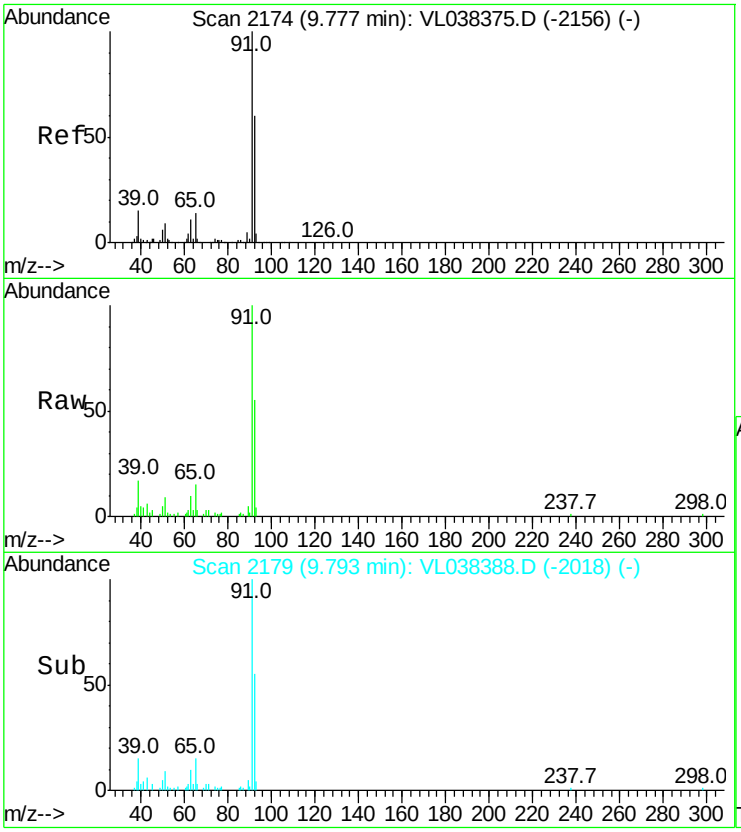


#52
Tetrachloroethene
Concen: 0.13 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. 0.02 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion:164 Resp: 9510

Ion	Ratio	Lower	Upper
164	100		
166	116.5	98.6	148.0
129	101.2	86.9	130.3
131	119.4	88.6	133.0



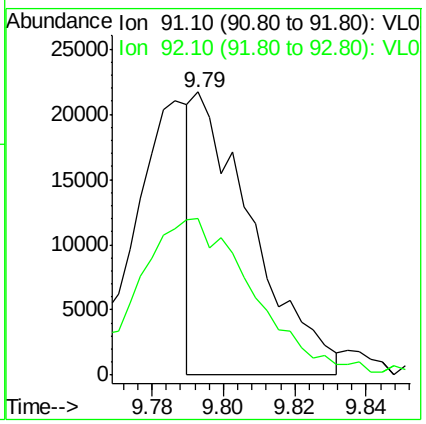


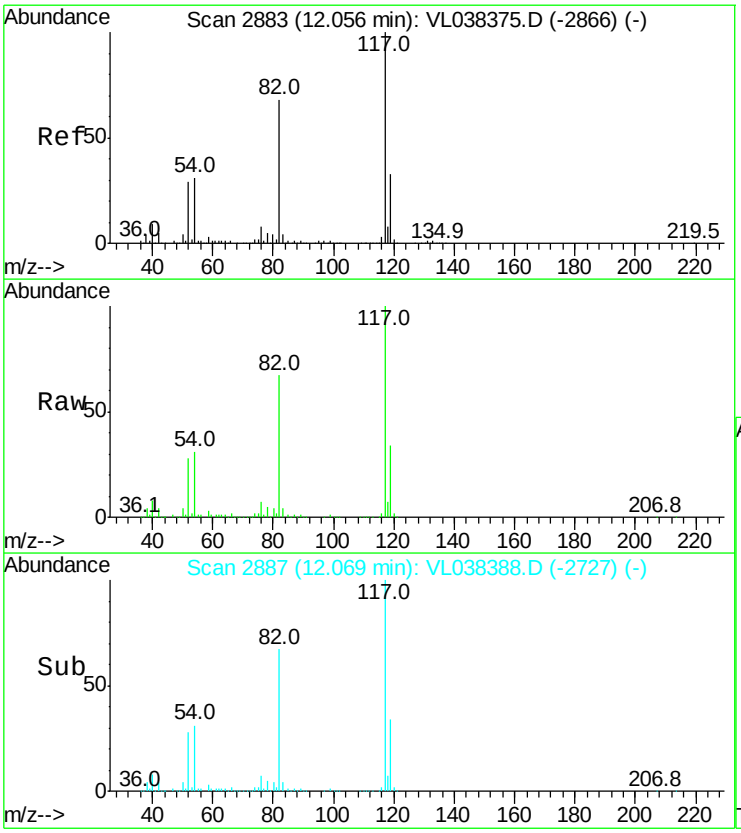
#53
Toluene
Concen: 0.10 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion: 91 Resp: 24617

Ion	Ratio	Lower	Upper
91	100		
92	115.6	48.2	72.4#

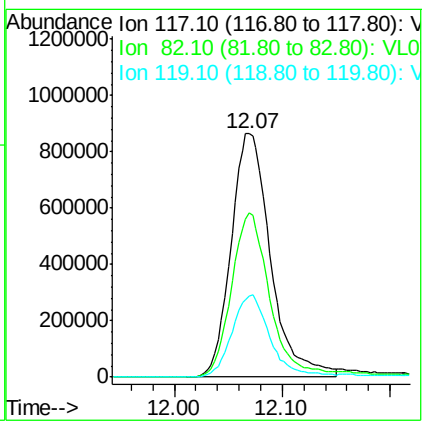


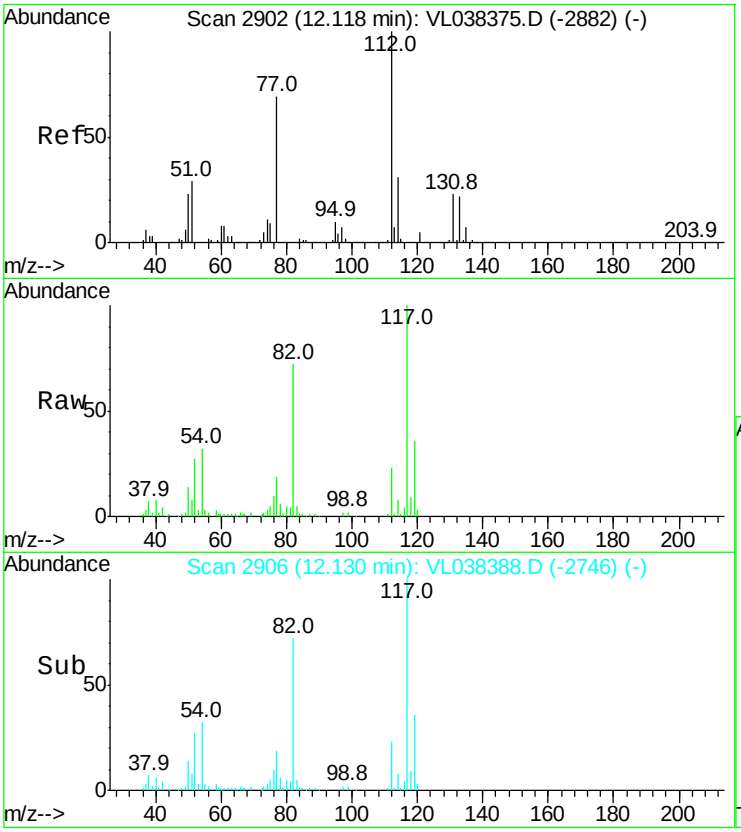


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion:117 Resp: 2206759

Ion	Ratio	Lower	Upper
117	100		
82	68.2	54.9	82.3
119	34.1	46.1	69.1#



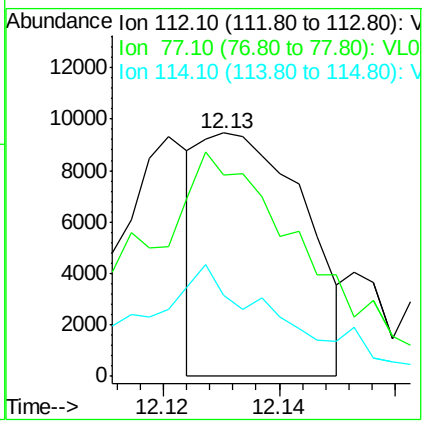


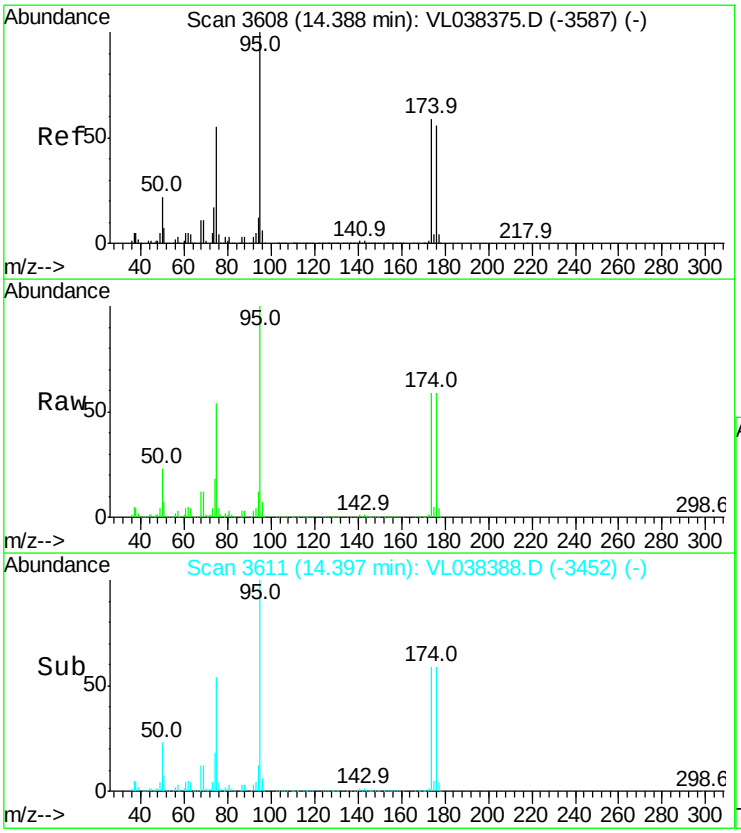
#57
Chlorobenzene
Concen: 0.07 ppbv
RT: 12.13
Delta R.T
Lab File:
Acq: 22 Feb 2022 14:22

Instrument :
MSVOA_L
ClientSampleId :
SG-FAM4GL-3DL2

Tgt Ion:112 Resp: 11761

Ion	Ratio	Lower	Upper
112	100		
77	59.7	55.2	82.8
114	27.5	27.9	34.1#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.41 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.01 min
Lab File: VL038388.D
Acq: 22 Feb 2022 14:22

Tgt Ion: 95 Resp: 1718936

Ion	Ratio	Lower	Upper
95	100		
174	65.5	49.0	73.4
175	4.7	3.6	5.4