Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL038992.D
Acq On : 9 May 2022 18:23
Operator : SY/AP
Sample : N2724-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1DUP

Quant Time: May 10 05:44:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1065085	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.16	114	2422167	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	2034640	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1697145	10.53	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	114516	0.686	ppbv		99
3) Chlorodifluoromethane	2.98	51	108562	0.821	ppbv	#	86
4) Chloromethane	3.14	50	34450	0.521	ppbv		94
9) Propene	3.01	41	15037	0.261	ppbv	#	1
11) Trichlorofluoromethane	3.94	101	41292	0.288	ppbv		92
12) 1,1,2-Trichlorotrifluoroet	4.48	101	7027	0.071	ppbv	#	57
13) Ethanol	3.59	45	146856	35.955	ppbv		96
15) Acetone	3.84	43	366936	3.652	ppbv		94
16) 1,3-Butadiene	3.32	39	1767	0.031	ppbv	#	1
19) Isopropyl Alcohol	3.96	45	85575	1.791	ppbv	#	86
20) Methylene Chloride	4.34	84	165033	4.358	ppbv		98
23) Vinyl Acetate	5.05	43	13011	0.164	ppbv	#	53
25) Ethyl Acetate	5.67	43	169698	0.706	ppbv	#	80
26) Hexane	5.67	57	225717	2.113	ppbv	#	40
34) 2-Butanone	5.24	43	19874	0.161	ppbv	#	54
35) Carbon Tetrachloride	7.00	117	5057	0.032	ppbv	#	70
36) Benzene	6.87	78	25990	0.125	ppbv		98
39) 1,2-Dichloropropane	7.15	63	683547	8.475	ppbv	#	26
43) Methyl Methacrylate	8.00	69	12262	0.146	ppbv	#	72
44) 2,2,4-Trimethylpentane	7.84	57	21338	0.059	ppbv	#	31
53) Toluene	9.78	91	31479	0.135	ppbv	#	43
59) m/p-Xylene	12.97	91	7614	0.030	ppbv	#	33
60) o-Xylene	13.66	91	12846	0.055	ppbv	#	50
74) 1,2,4-Trimethylbenzene	16.73	105	19769	0.075	ppbv	#	65

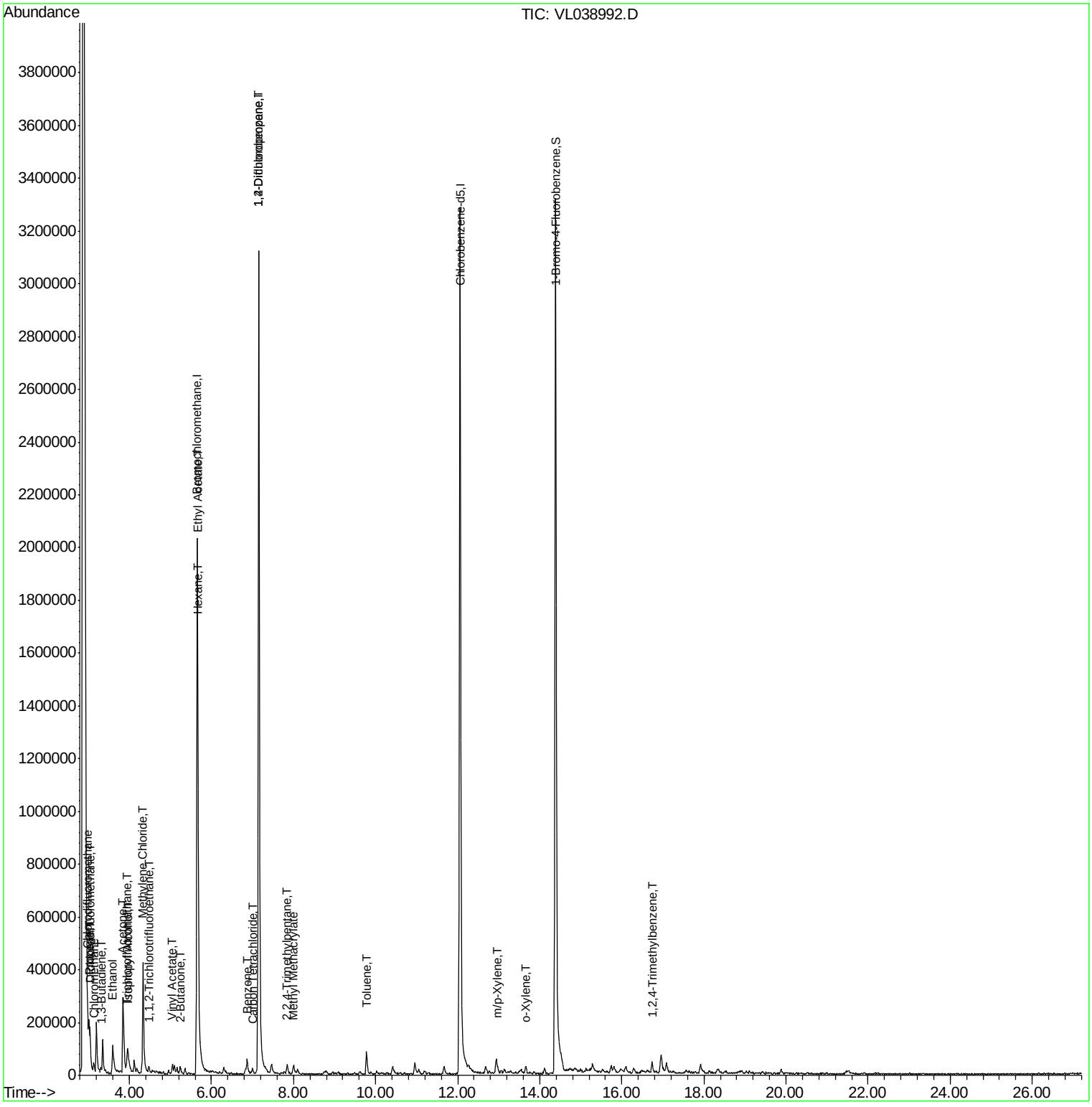
(#) = qualifier out of range (m) = manual integration (+) = signals summed

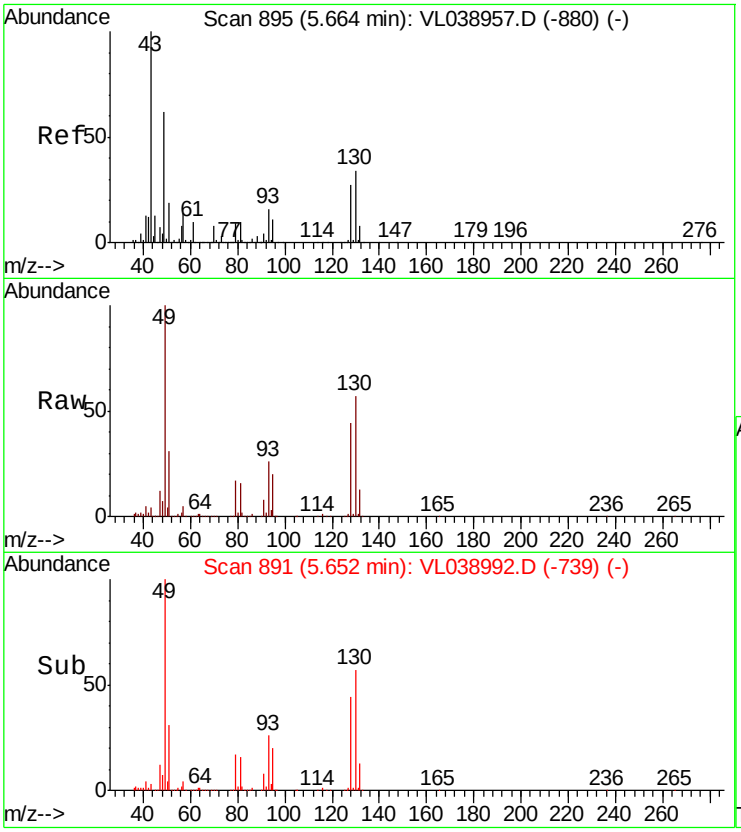
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL038992.D
Acq On : 9 May 2022 18:23
Operator : SY/AP
Sample : N2724-03DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Quant Time: May 10 05:44:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



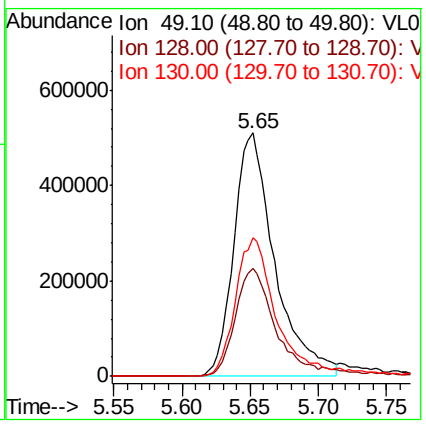


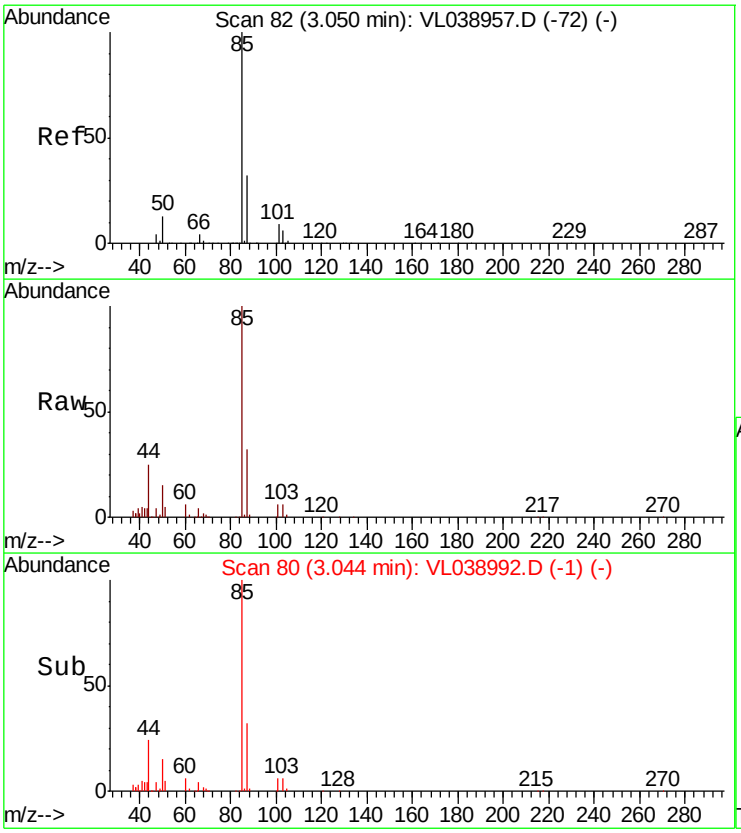
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 49 Resp: 1065085

Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.3	69.8
130	60.2	29.8	89.3

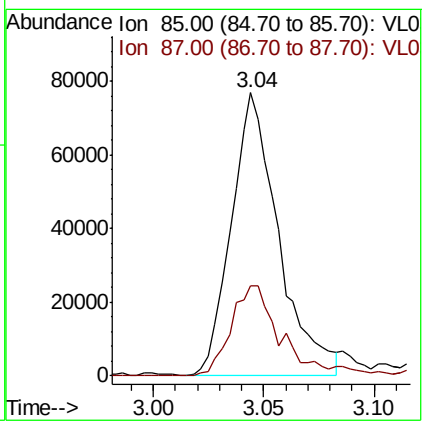


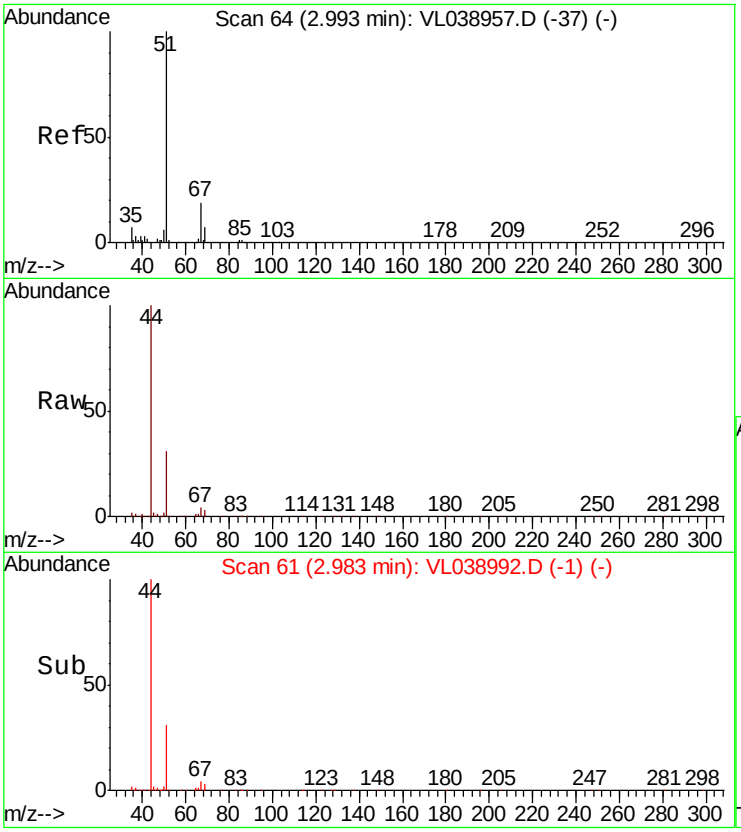


#2
Dichlorodifluoromethane
Concen: 0.686 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 85 Resp: 114516

Ion	Ratio	Lower	Upper
85	100		
87	31.6	25.7	38.5



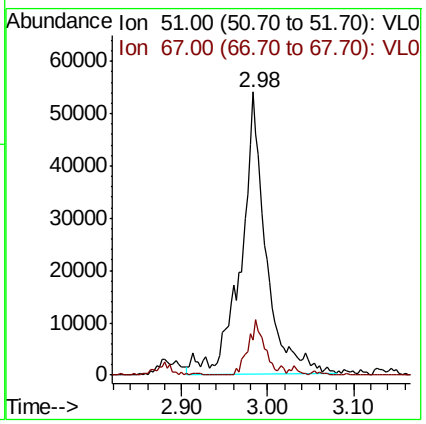


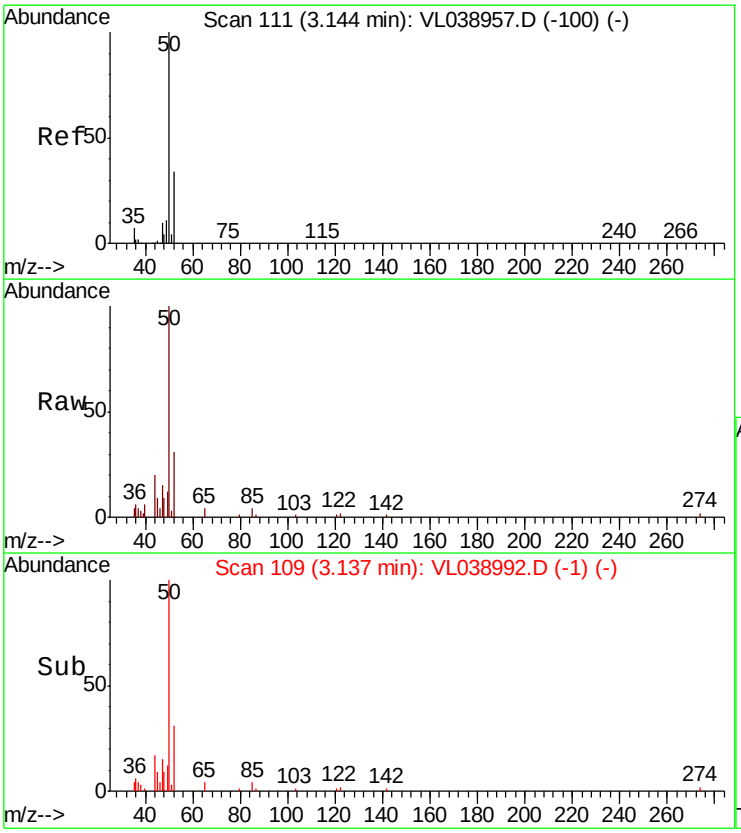
#3
Chlorodifluoromethane
Concen: 0.821 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 51 Resp: 108562

Ion	Ratio	Lower	Upper
51	100		
67	13.3	15.8	23.8#

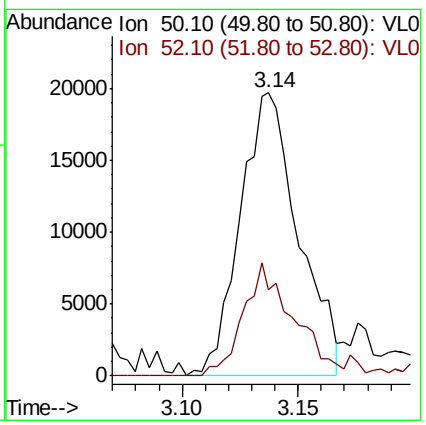


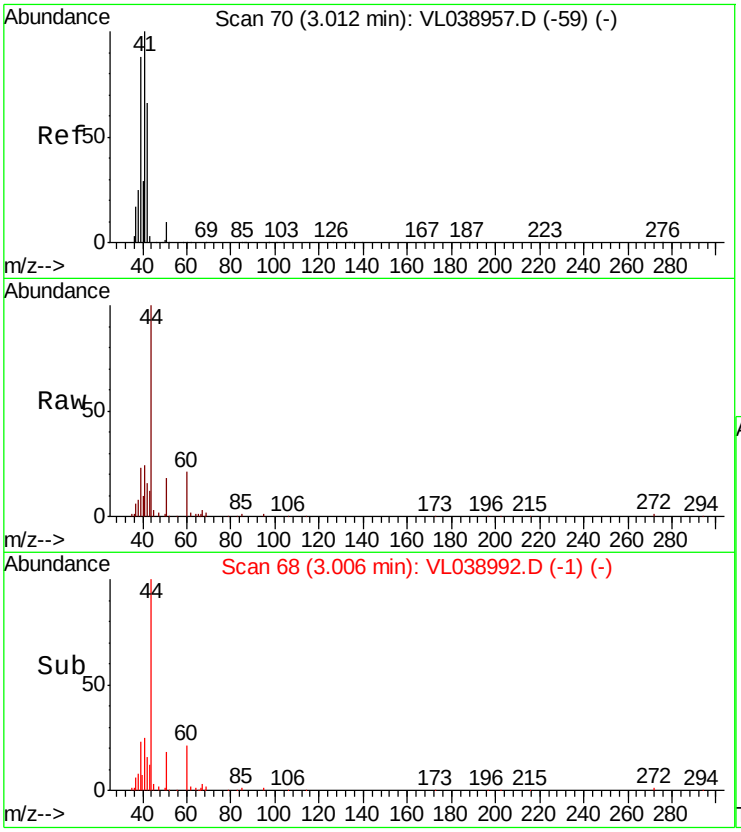


#4
Chloromethane
Concen: 0.521 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 50 Resp: 34450

Ion	Ratio	Lower	Upper
50	100		
52	30.6	27.3	40.9



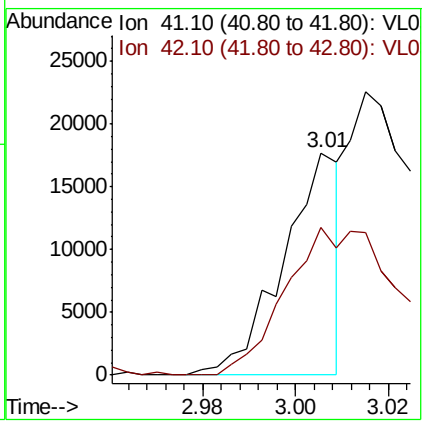


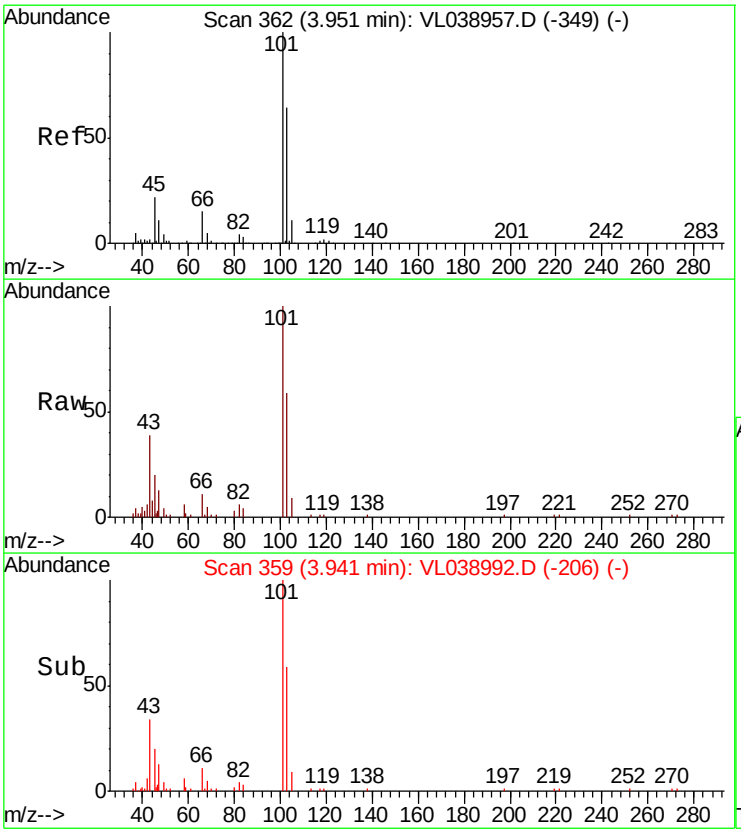
#9
Propene
Concen: 0.261 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 41 Resp: 15037

Ion	Ratio	Lower	Upper
41	100		
42	165.1	58.3	87.5#

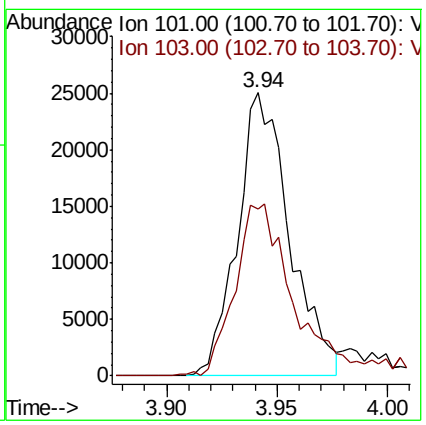


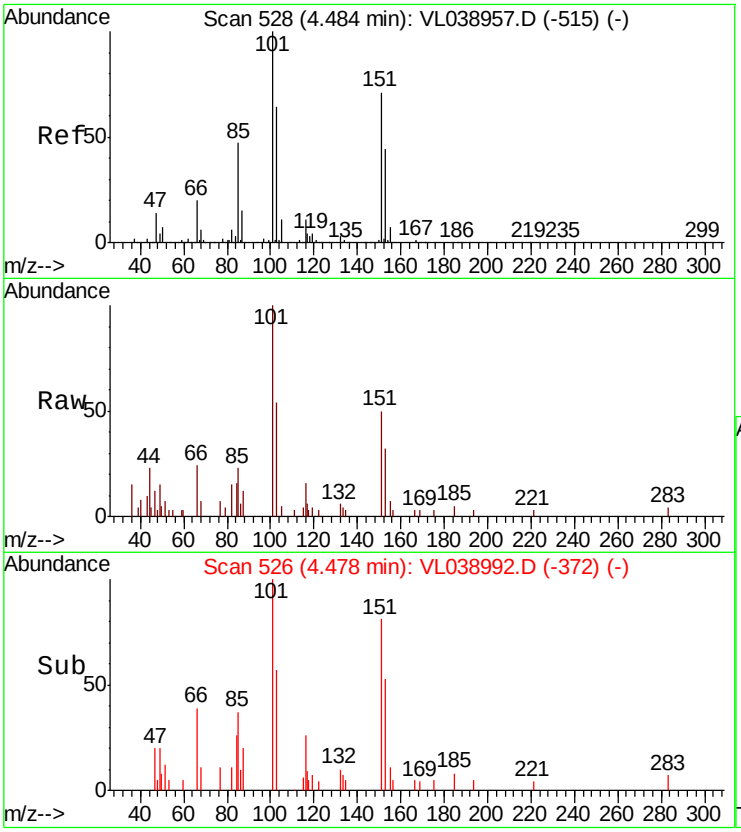


#11
Trichlorofluoromethane
Concen: 0.288 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.01 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:101 Resp: 41292

Ion	Ratio	Lower	Upper
101	100		
103	58.1	51.5	77.3



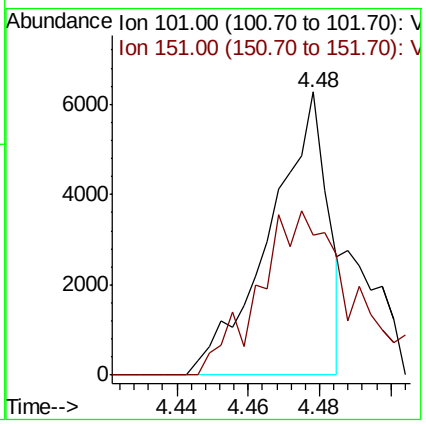


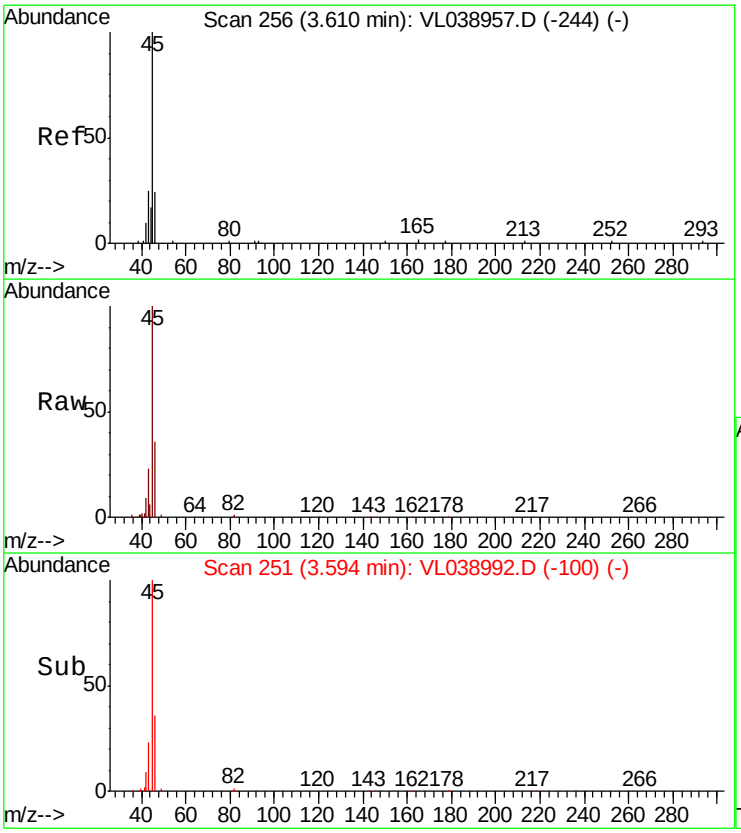
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.071 ppbv
RT: 4.48
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion:101 Resp: 7027

Ion	Ratio	Lower	Upper
101	100		
151	103.9	55.4	83.0#

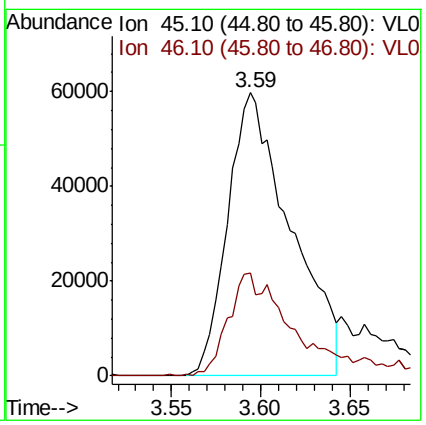


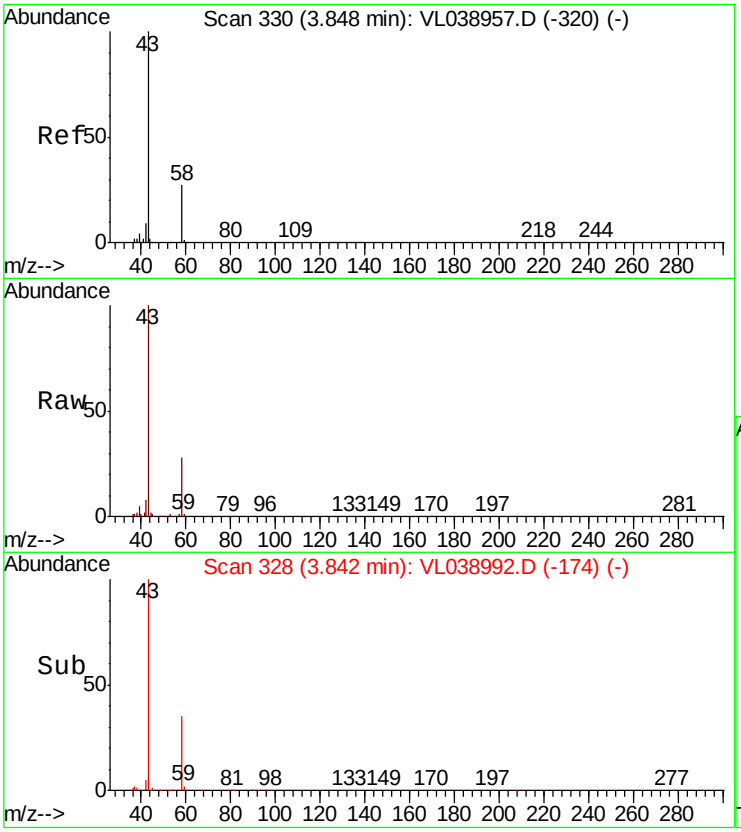


#13
Ethanol
Concen: 35.955 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 45 Resp: 146856

Ion	Ratio	Lower	Upper
45	100		
46	42.6	18.0	72.2



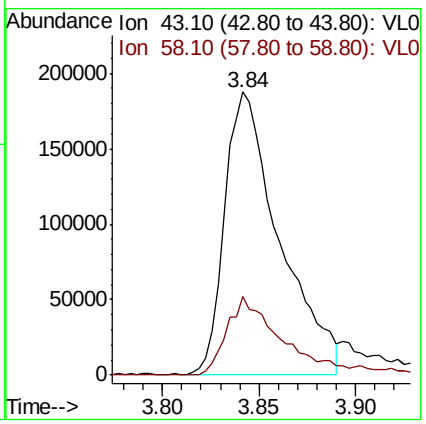


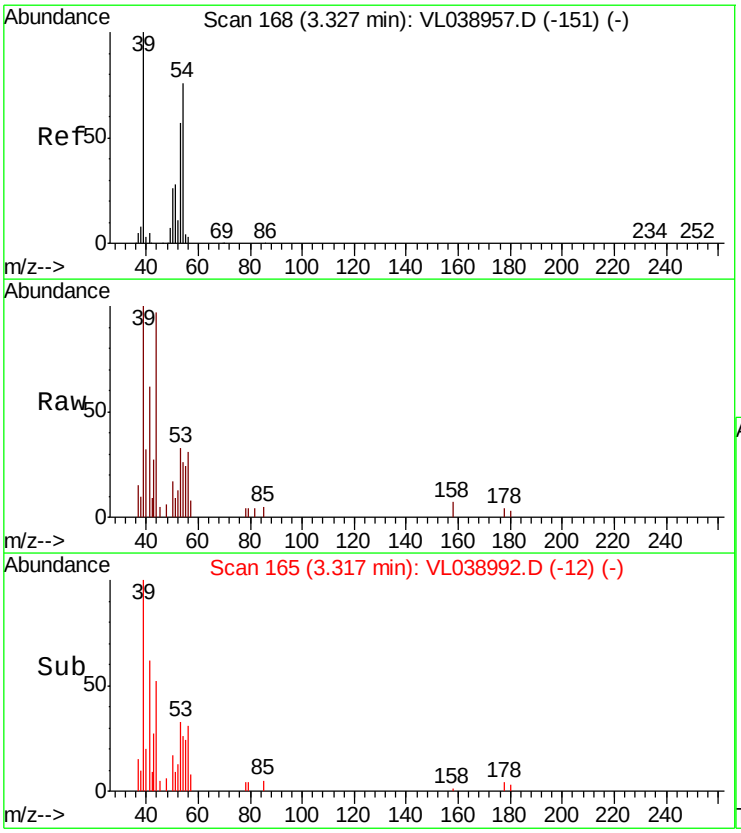
#15
Acetone
Concen: 3.652 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 43 Resp: 366936

Ion	Ratio	Lower	Upper
43	100		
58	29.7	21.3	31.9

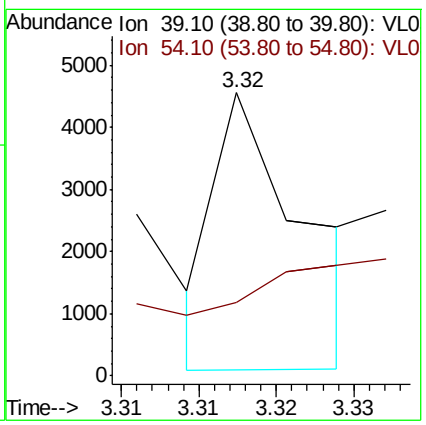


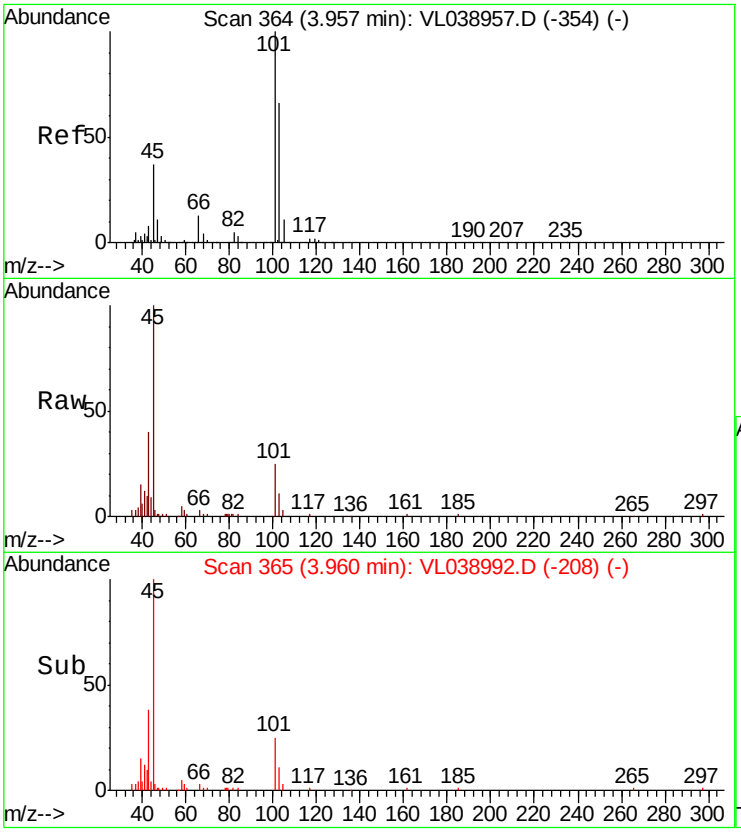


#16
1,3-Butadiene
Concen: 0.031 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 39 Resp: 1767

Ion	Ratio	Lower	Upper
39	100		
54	190.5	65.2	97.8#



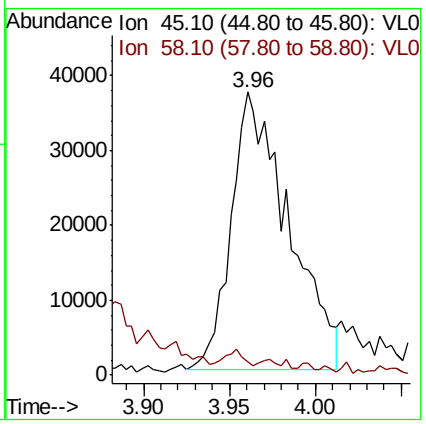


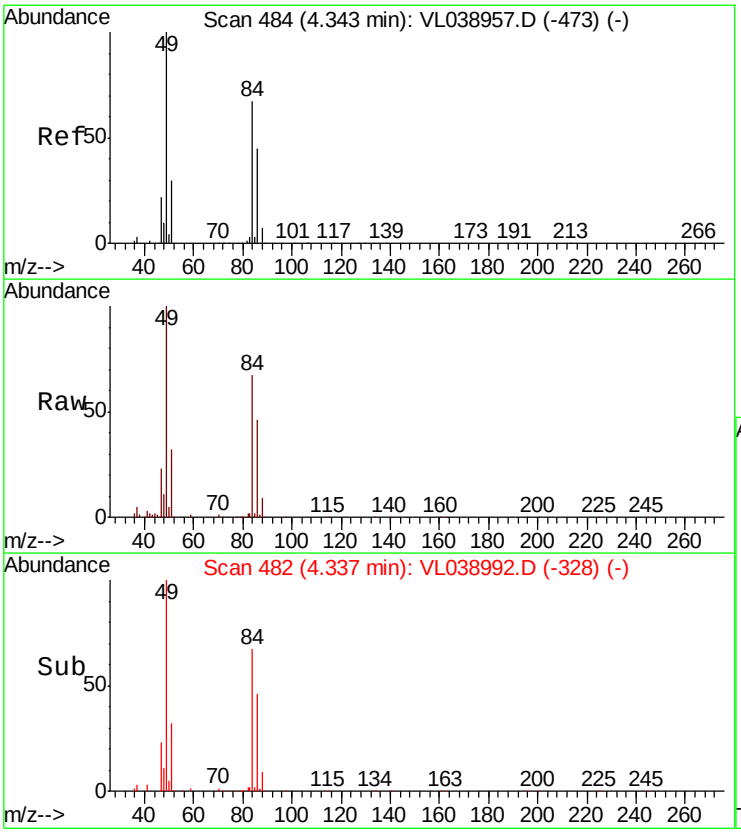
#19
Isopropyl Alcohol
Concen: 1.791 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 45 Resp: 85575

Ion	Ratio	Lower	Upper
45	100		
58	6.8	1.4	2.2#

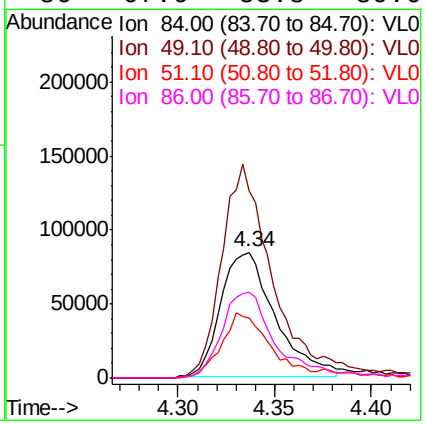


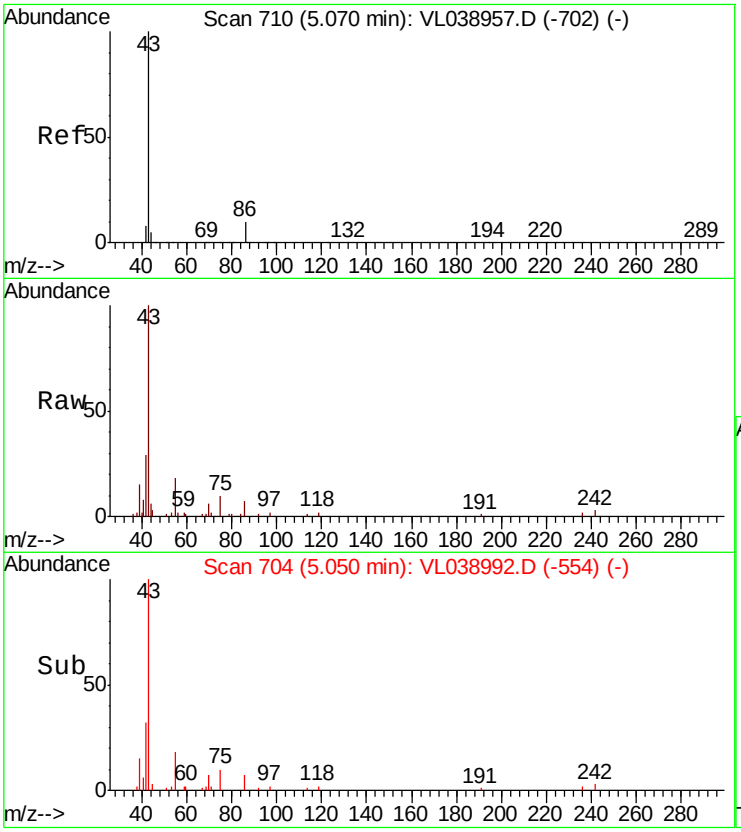


#20
Methylene Chloride
Concen: 4.358 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.01 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 84 Resp: 165033

Ion	Ratio	Lower	Upper
84	100		
49	147.9	119.9	179.9
51	47.2	35.7	53.5
86	67.6	53.8	80.6



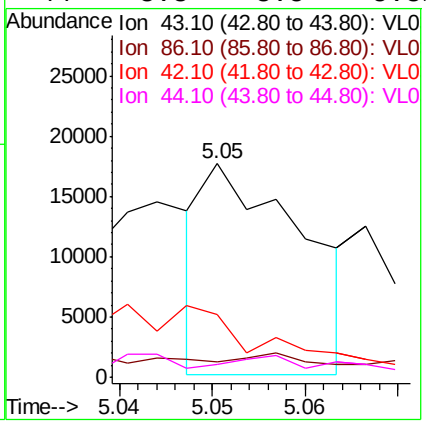


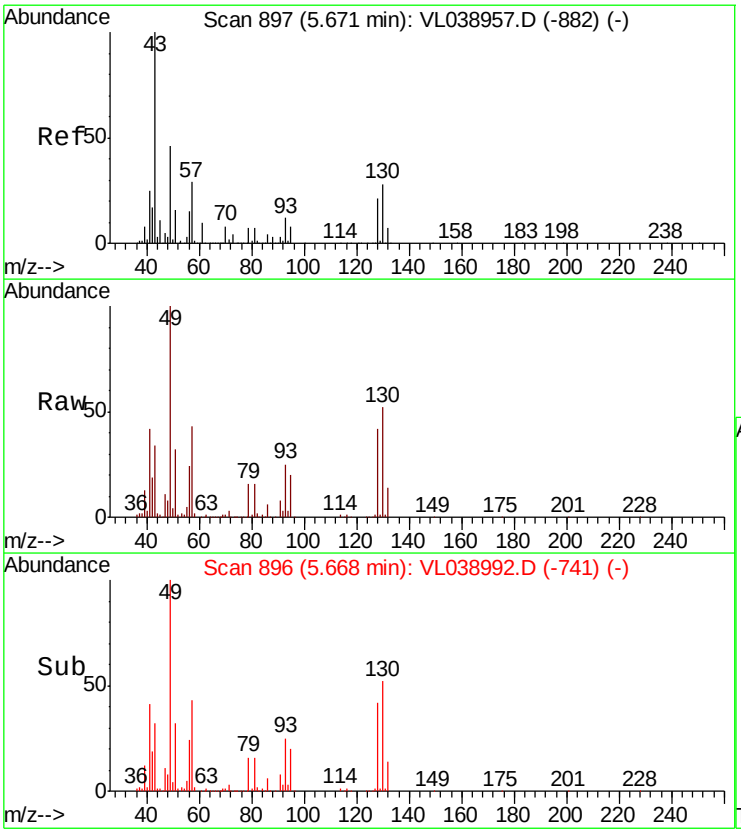
#23
Vinyl Acetate
Concen: 0.164 ppbv
RT: 5.05
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 43 Resp: 13011

Ion	Ratio	Lower	Upper
43	100		
86	2.4	6.6	9.8#
42	44.1	8.1	12.1#
44	3.3	3.5	5.3#

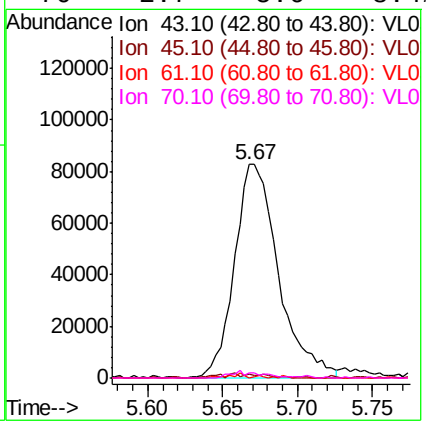


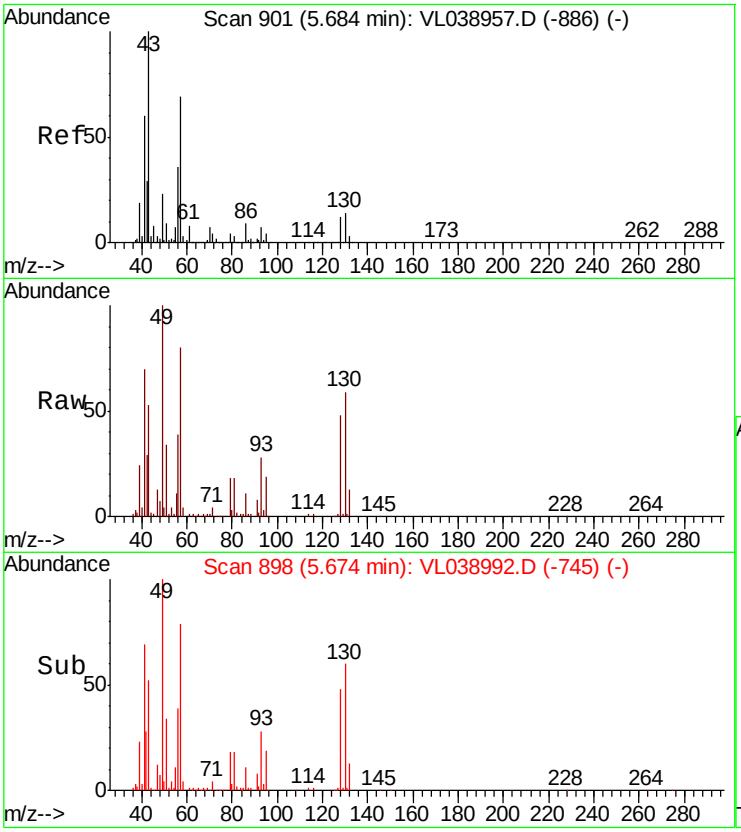


#25
Ethyl Acetate
Concen: 0.706 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 43 Resp: 169698

Ion	Ratio	Lower	Upper
43	100		
45	2.2	8.1	12.1#
61	1.1	7.8	11.6#
70	2.7	5.6	8.4#



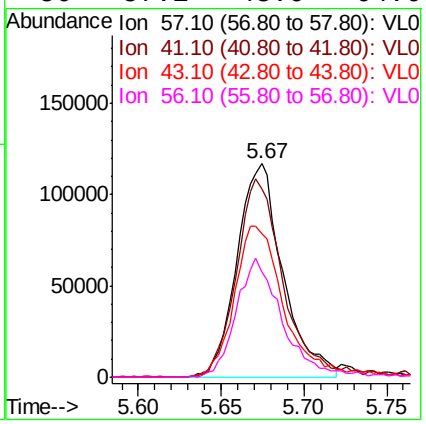


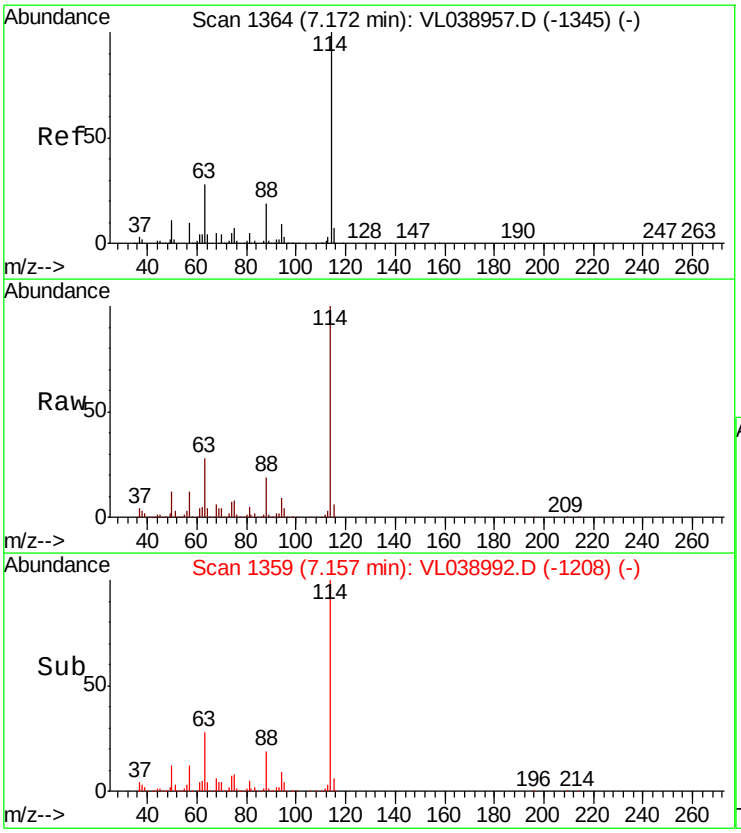
#26
Hexane
Concen: 2.113 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 57 Resp: 225717

Ion	Ratio	Lower	Upper
57	100		
41	95.6	75.2	112.8
43	77.7	190.8	286.2#
56	57.1	43.0	64.6

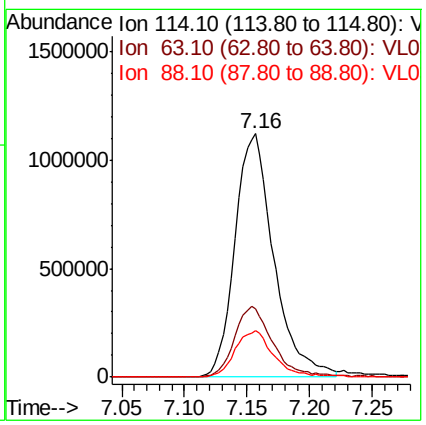


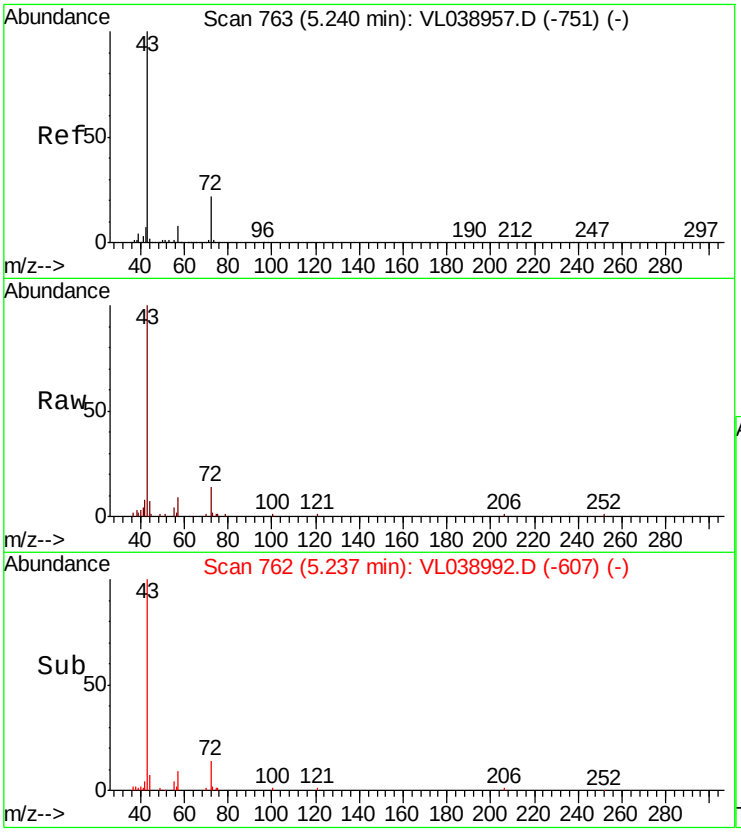


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:114 Resp: 2422167

Ion	Ratio	Lower	Upper
114	100		
63	29.0	22.6	33.8
88	19.2	15.4	23.0



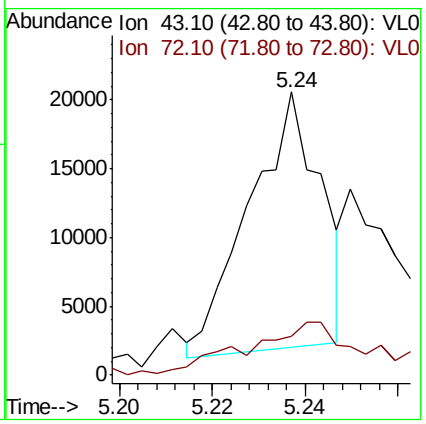


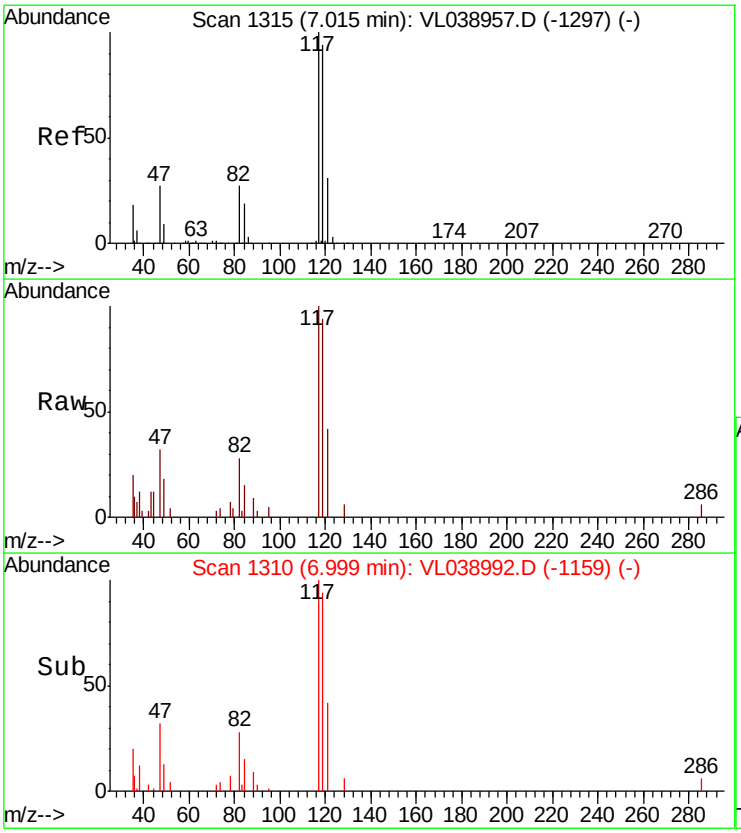
#34
2-Butanone
Concen: 0.161 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 43 Resp: 19874

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#

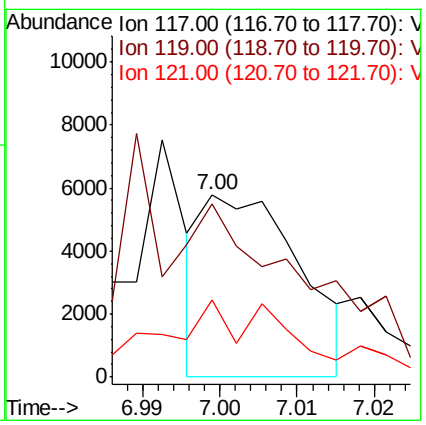


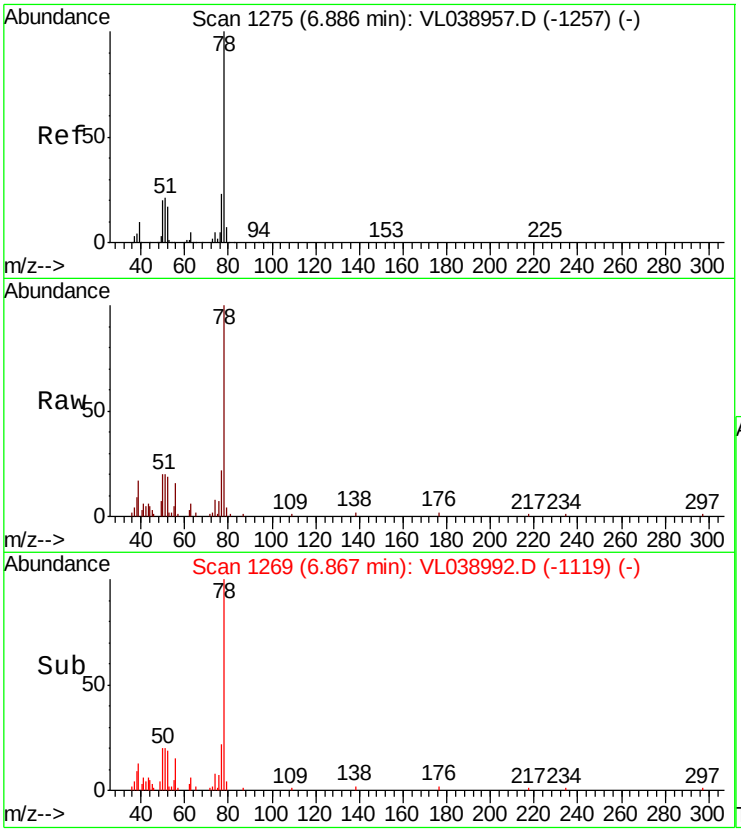


#35
Carbon Tetrachloride
Concen: 0.032 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:117 Resp: 5057

Ion	Ratio	Lower	Upper
117	100		
119	69.1	75.2	112.8#
121	54.9	24.6	37.0#



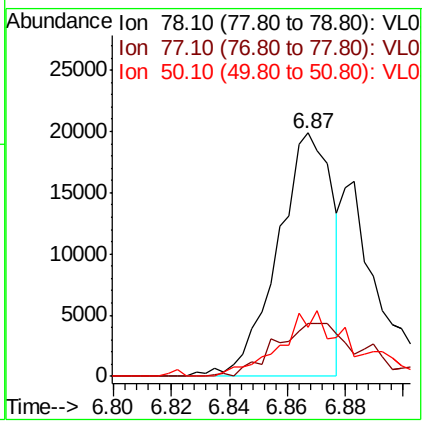


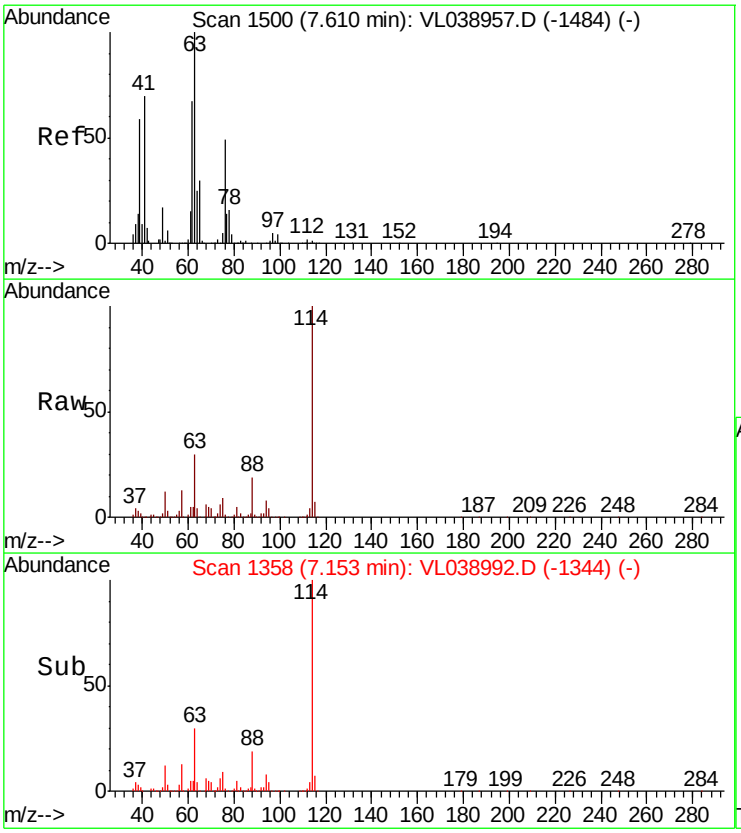
#36
Benzene
Concen: 0.125 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 78 Resp: 25990

Ion	Ratio	Lower	Upper
78	100		
77	22.0	18.6	28.0
50	20.1	15.6	23.4

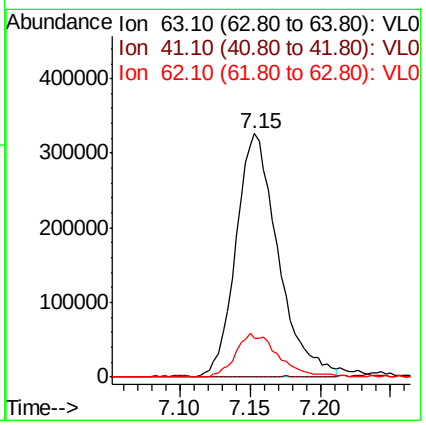


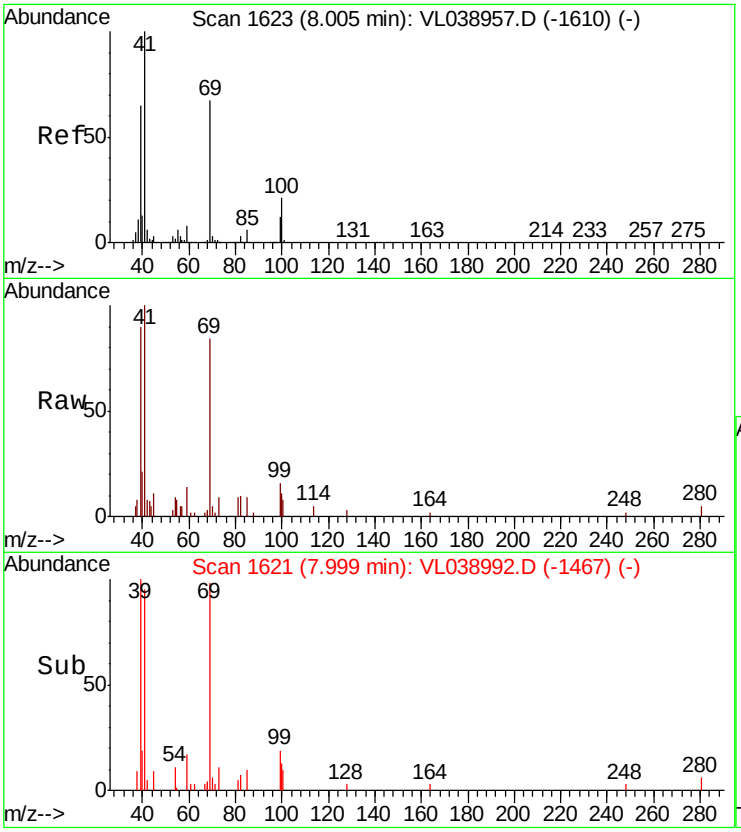


#39
1,2-Dichloropropane
Concen: 8.475 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.46 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 63 Resp: 683547

Ion	Ratio	Lower	Upper
63	100		
41	0.4	55.9	83.9#
62	16.0	53.8	80.6#



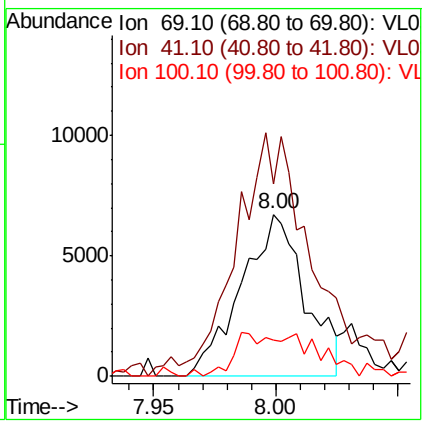


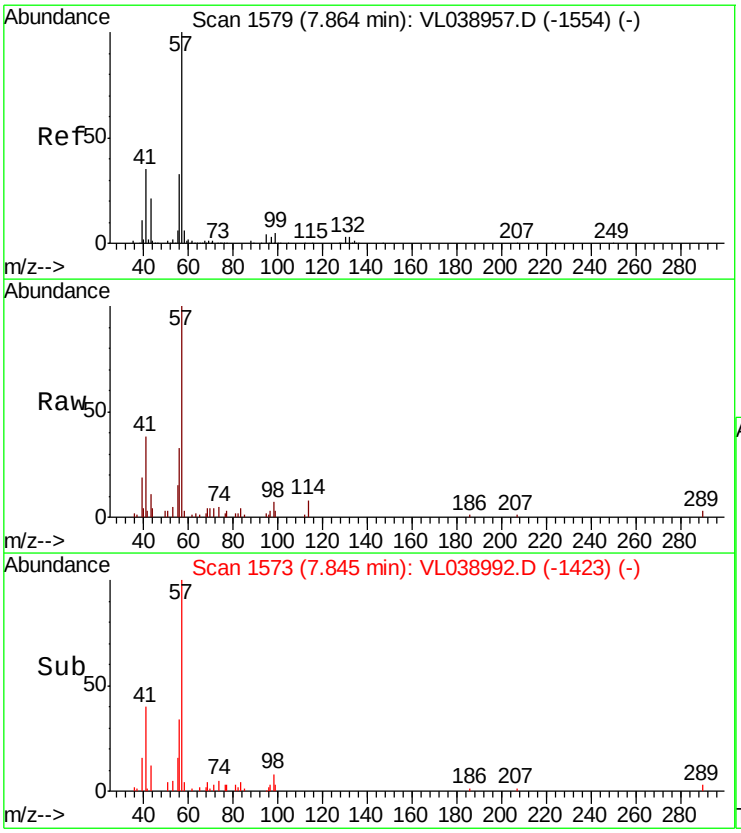
#43
Methyl Methacrylate
Concen: 0.146 ppbv
RT: 8.00
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 69 Resp: 12262

Ion	Ratio	Lower	Upper
69	100		
41	193.3	121.9	182.9#
100	34.9	24.6	36.8

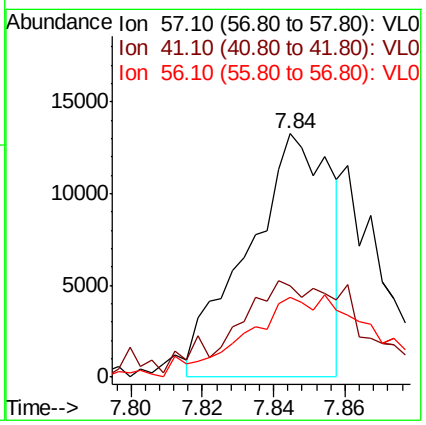


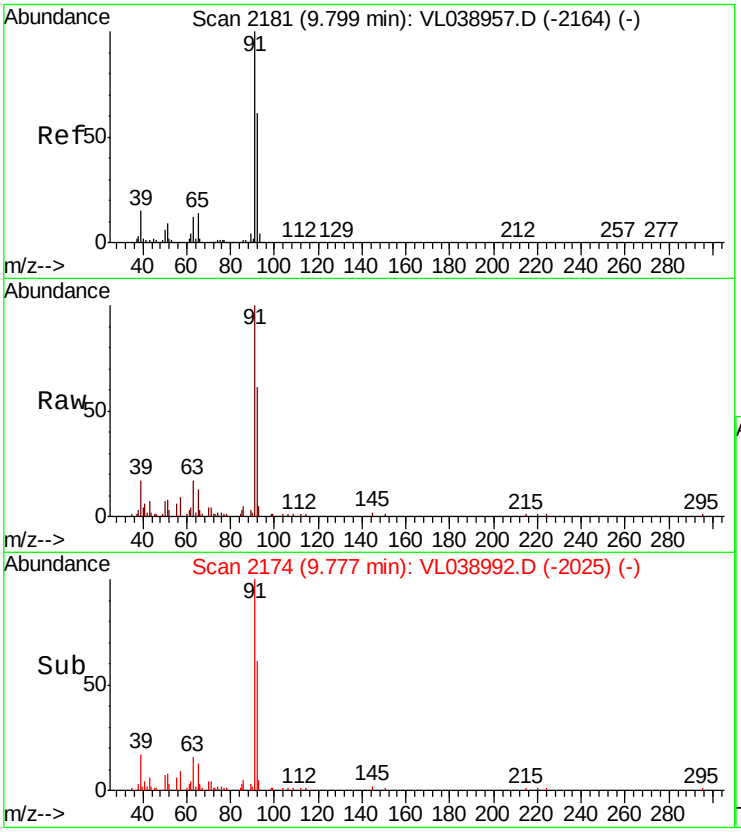


#44
2,2,4-Trimethylpentane
Concen: 0.059 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 57 Resp: 21338

Ion	Ratio	Lower	Upper
57	100		
41	78.8	26.3	39.5#
56	0.0	24.6	37.0#



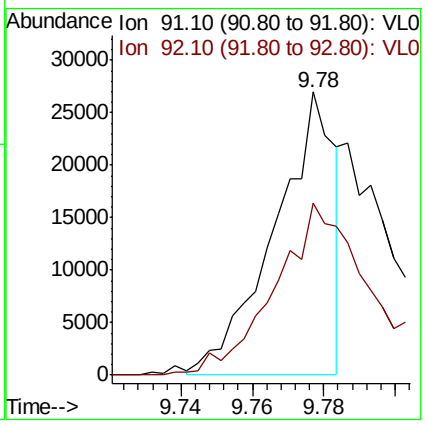


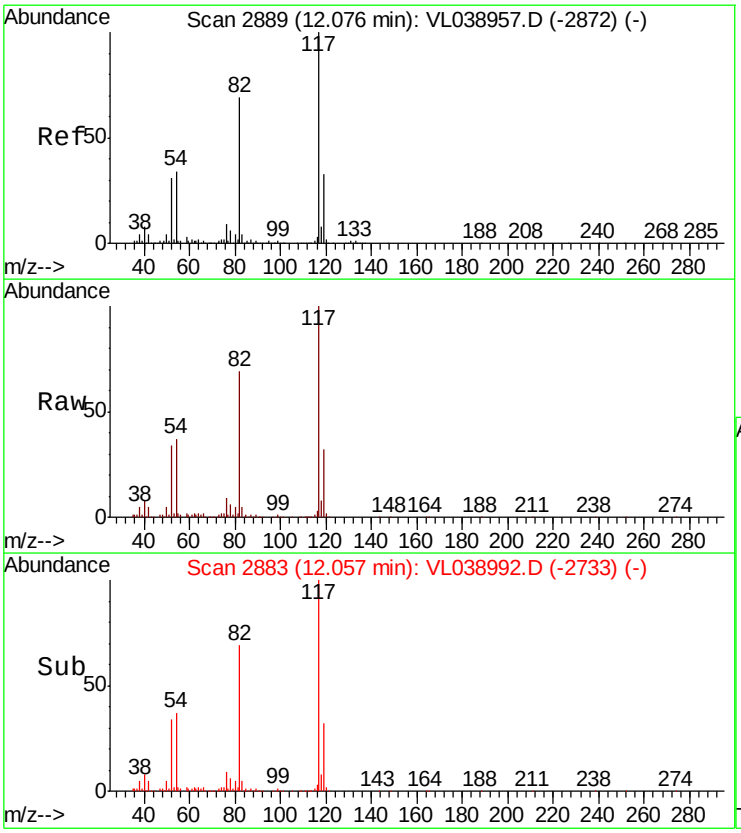
#53
Toluene
Concen: 0.135 ppbv
RT: 9.78
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 91 Resp: 31479

Ion	Ratio	Lower	Upper
91	100		
92	103.2	48.2	72.2#

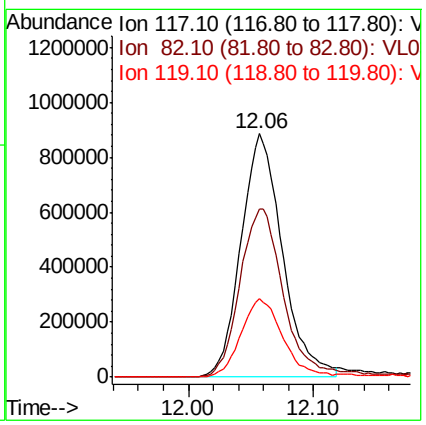


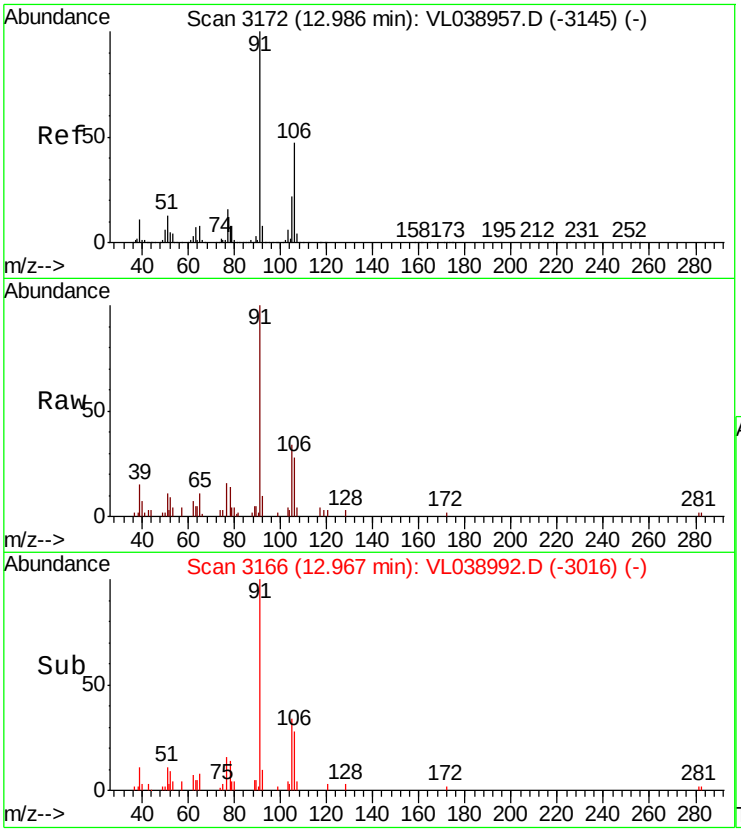


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:117 Resp: 2034640

Ion	Ratio	Lower	Upper
117	100		
82	74.9	57.0	85.6
119	34.0	27.2	40.8



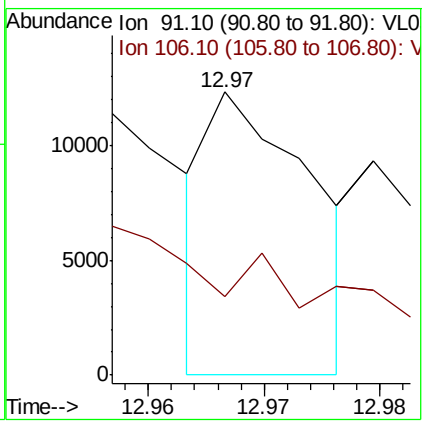


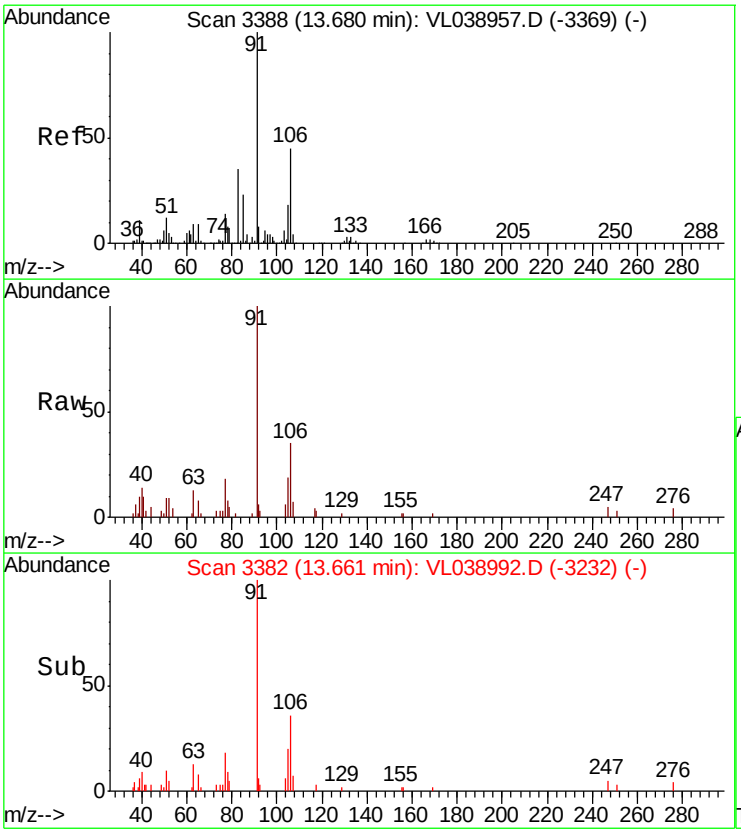
#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 91 Resp: 7614

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#

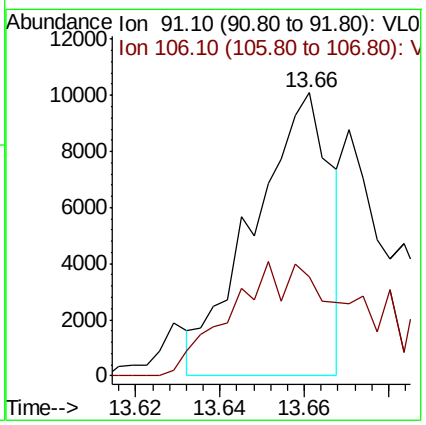


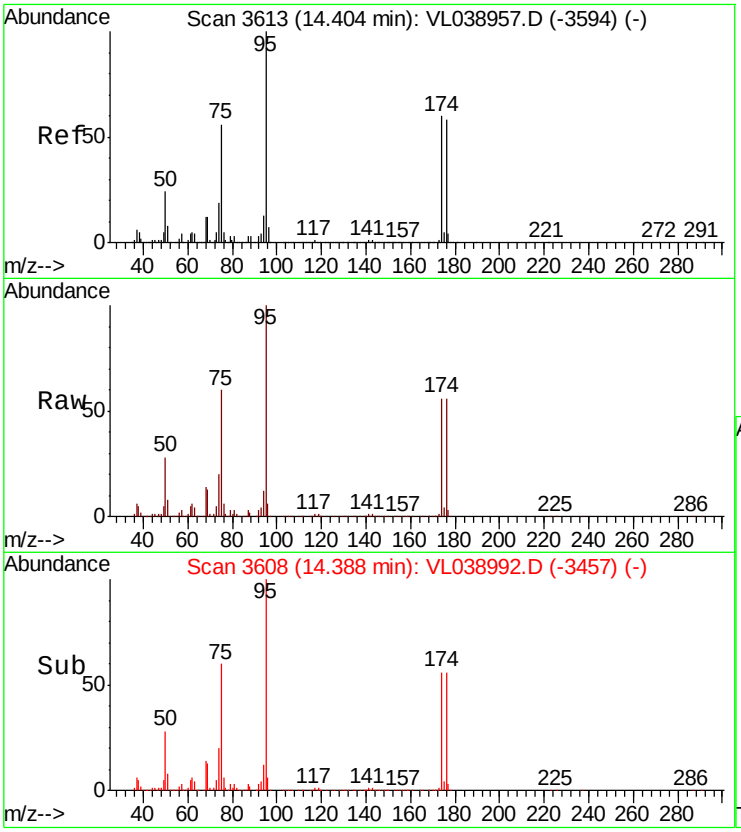


#60
o-Xylene
Concen: 0.055 ppbv
RT: 13.66 min Scan# 3382
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion: 91 Resp: 12846

Ion	Ratio	Lower	Upper
91	100		
106	76.7	22.2	66.6#



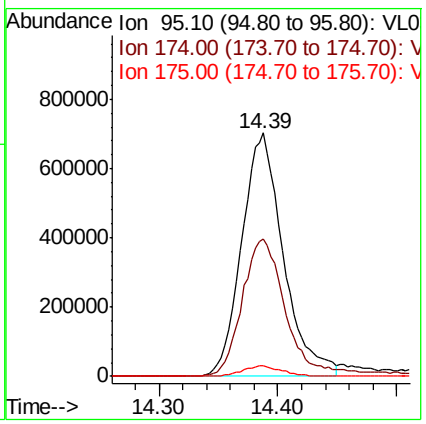


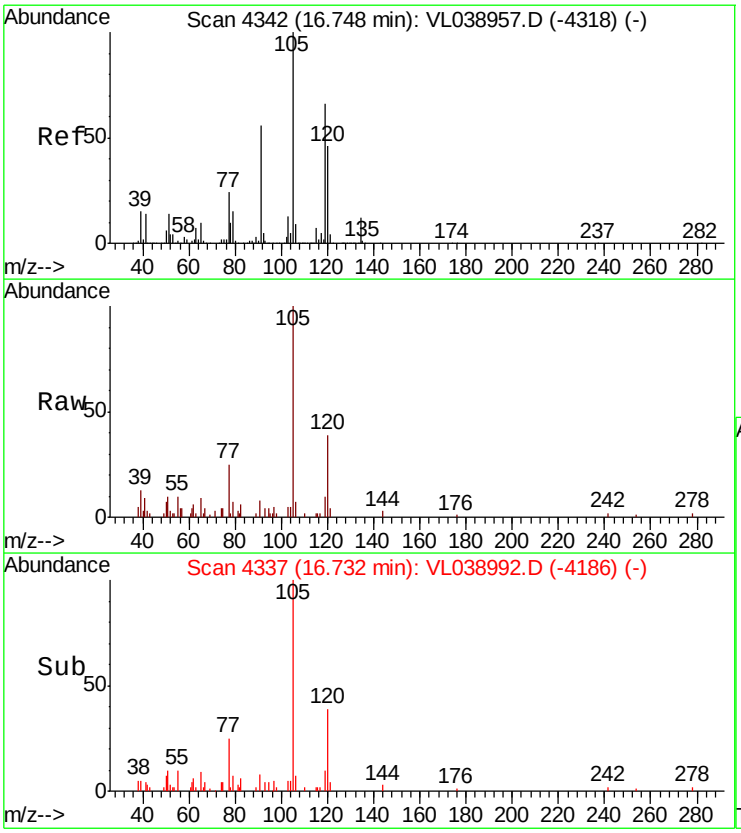
#68
1-Bromo-4-Fluorobenzene
Concen: 10.533 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 9 May 2022 18:23

Instrument :
MSVOA_L
ClientSampleId :
OA1DUP

Tgt Ion: 95 Resp: 1697145

Ion	Ratio	Lower	Upper
95	100		
174	61.9	50.8	76.2
175	4.2	3.8	5.6





#74
1,2,4-Trimethylbenzene
Concen: 0.075 ppbv
RT: 16.73 min Scan# 4337
Delta R.T. -0.02 min
Lab File: VL038992.D
Acq: 9 May 2022 18:23

Tgt Ion:105 Resp: 19769

Ion	Ratio	Lower	Upper
105	100		
120	38.9	36.9	55.3
91	5.1	45.0	67.4#
77	23.4	19.2	28.8