Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071922\
Data File : VL039502.D
Acq On : 20 Jul 2022 5:14
Operator : SY/AP
Sample : N3750-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA-1

Quant Time: Jul 20 07:26:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	960944	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	2683465	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.10	117	2352943	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	1755351	10.06	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	23520	0.170	ppbv		93
3) Chlorodifluoromethane	3.00	51	52863	0.434	ppbv	#	91
4) Chloromethane	3.15	50	18772	0.282	ppbv		100
9) Propene	3.03	41	27374	0.497	ppbv		88
11) Trichlorofluoromethane	3.96	101	16942	0.110	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.50	101	7264	0.063	ppbv	#	77
13) Ethanol	3.61	45	301908	94.515	ppbv		74
15) Acetone	3.86	43	703086	6.184	ppbv		90
19) Isopropyl Alcohol	3.97	45	75002	1.237	ppbv	#	79
20) Methylene Chloride	4.35	84	91389	2.017	ppbv		93
23) Vinyl Acetate	5.07	43	80101	1.054	ppbv	#	81
25) Ethyl Acetate	5.70	43	77337	0.332	ppbv	#	86
26) Hexane	5.70	57	95023	1.011	ppbv	#	42
27) Carbon Disulfide	4.56	76	6052	0.053	ppbv	#	52
34) 2-Butanone	5.26	43	60835	0.450	ppbv	#	88
35) Carbon Tetrachloride	7.03	117	8355	0.050	ppbv	#	95
36) Benzene	6.90	78	16748	0.081	ppbv	#	90
39) 1,2-Dichloropropane	7.19	63	635419	8.190	ppbv	#	25
53) Toluene	9.82	91	34032	0.142	ppbv	#	14
60) o-Xylene	13.70	91	7944	0.031	ppbv	#	31
71) 2-Chlorotoluene	15.33	91	105090	0.380	ppbv	#	42
79) Naphthalene	22.21	128	11239	0.054	ppbv	#	81

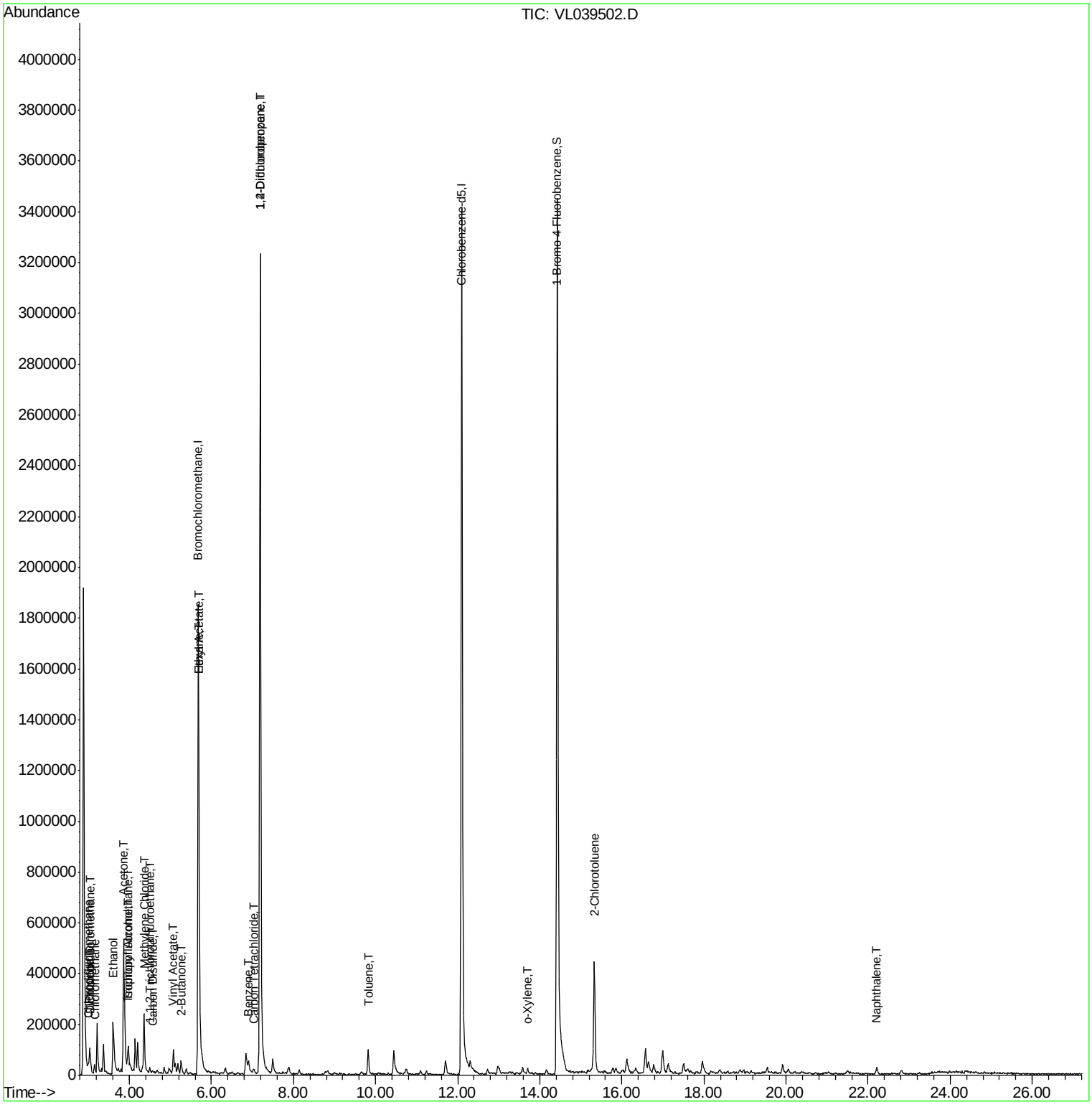
(#) = qualifier out of range (m) = manual integration (+) = signals summed

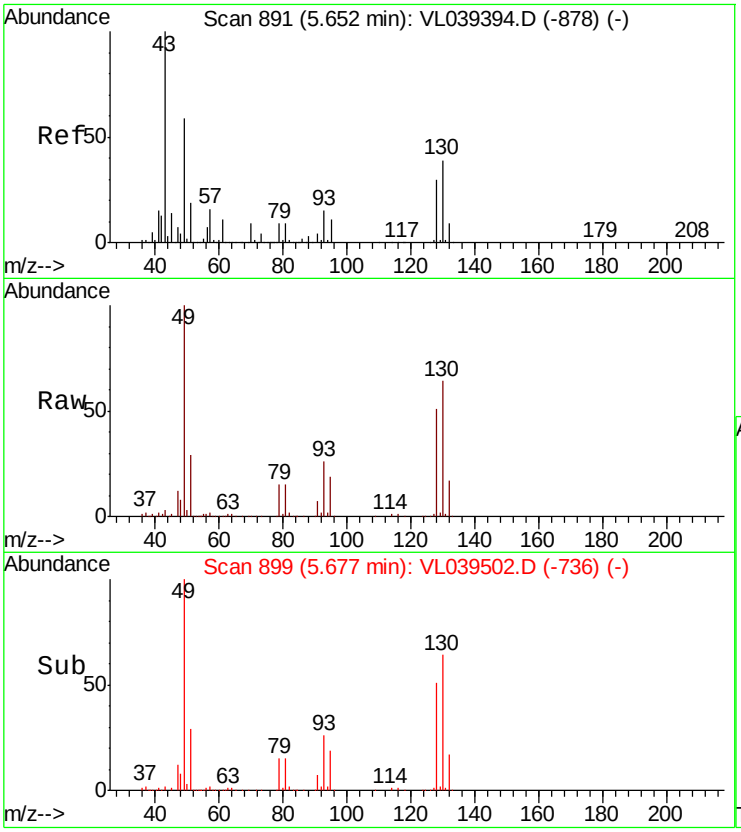
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071922\
Data File : VL039502.D
Acq On : 20 Jul 2022 5:14
Operator : SY/AP
Sample : N3750-09
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Quant Time: Jul 20 07:26:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration



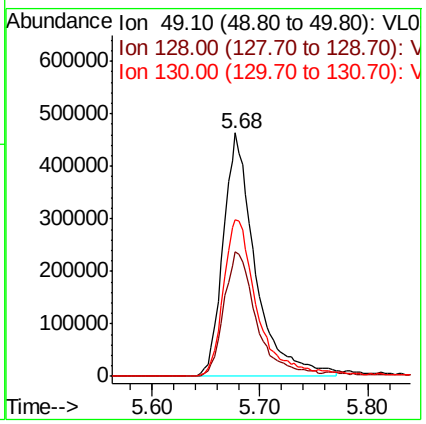


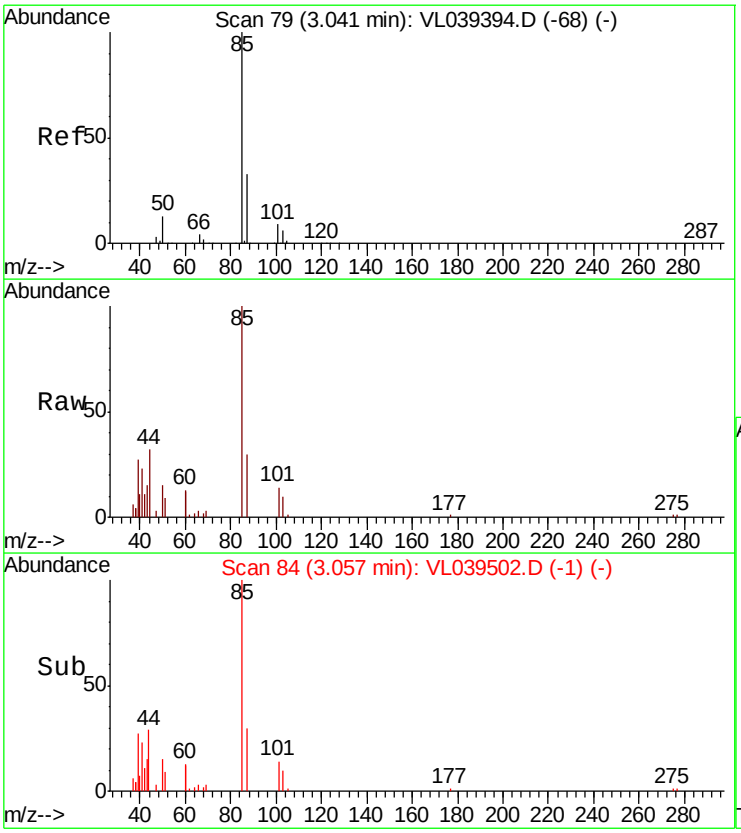
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 49 Resp: 960944

Ion	Ratio	Lower	Upper
49	100		
128	54.4	26.7	80.0
130	70.4	34.3	102.8

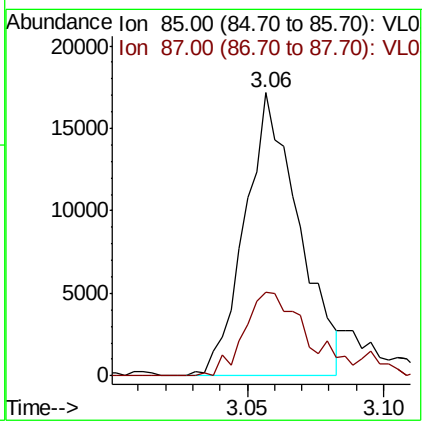


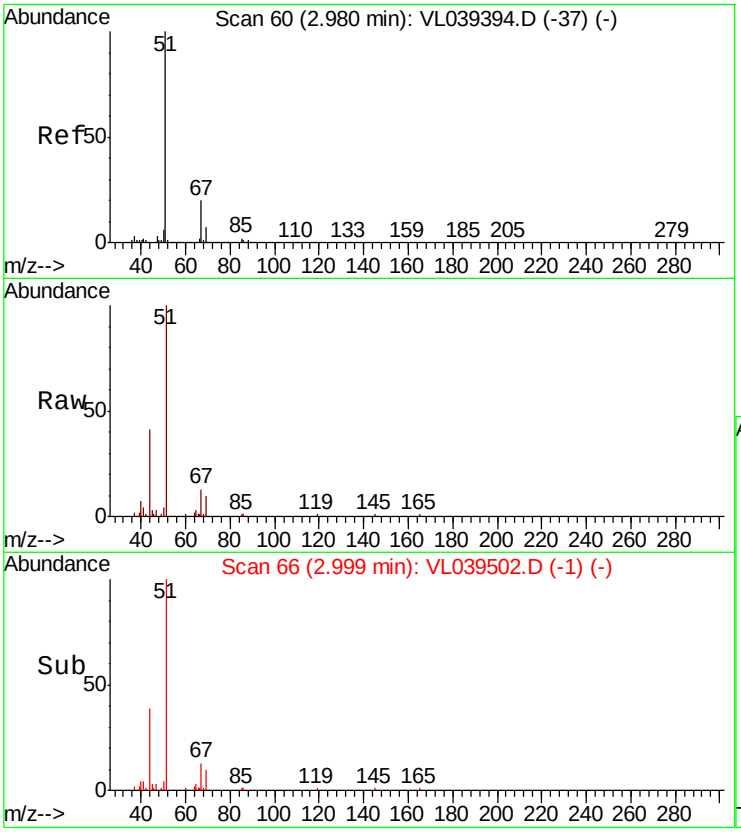


#2
Dichlorodifluoromethane
Concen: 0.170 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.02 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 85 Resp: 23520

Ion	Ratio	Lower	Upper
85	100		
87	29.5	26.7	40.1



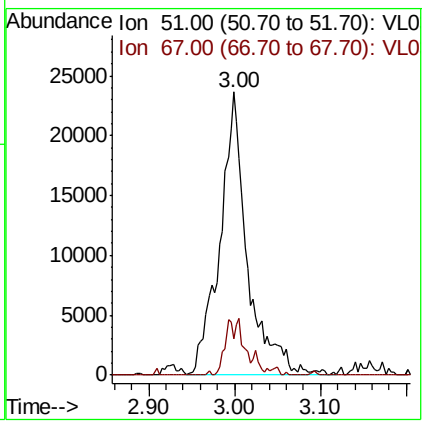


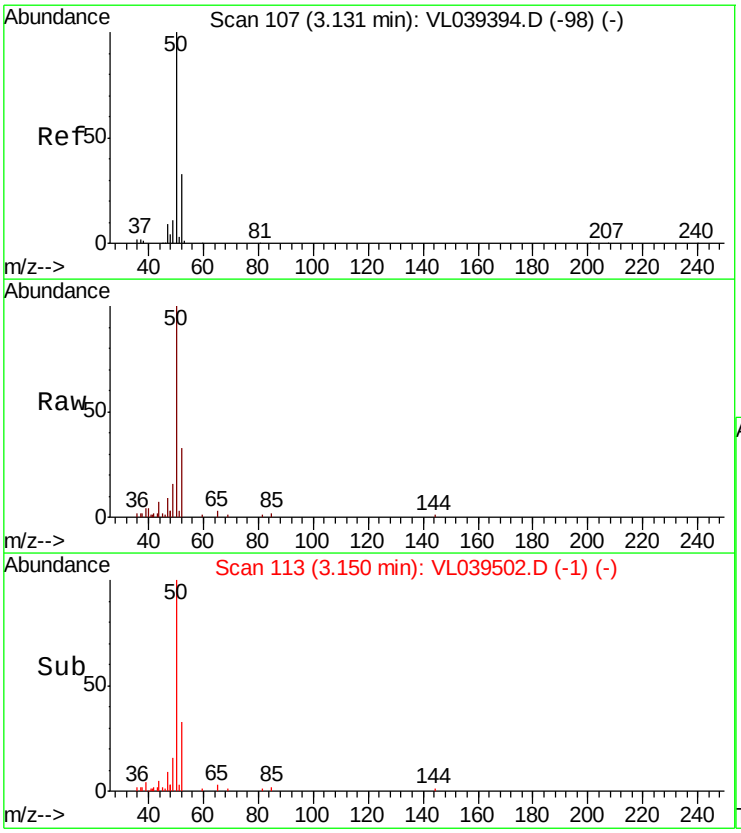
#3
Chlorodifluoromethane
Concen: 0.434 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 51 Resp: 52863

Ion	Ratio	Lower	Upper
51	100		
67	15.4	15.7	23.5#

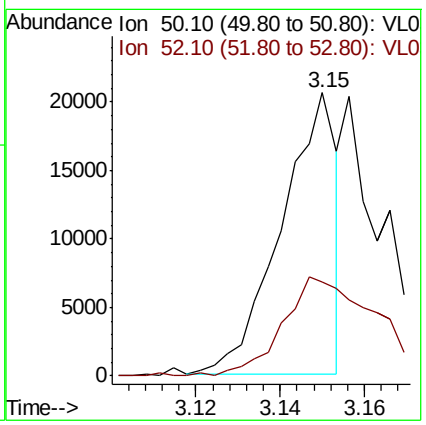


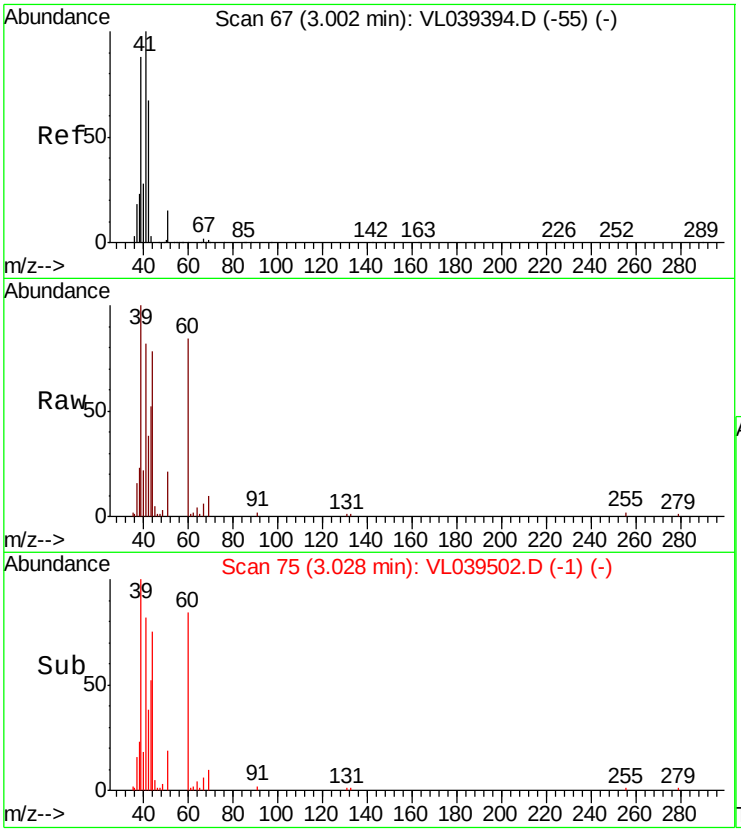


#4
Chloromethane
Concen: 0.282 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.02 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 50 Resp: 18772

Ion	Ratio	Lower	Upper
50	100		
52	33.3	26.5	39.7



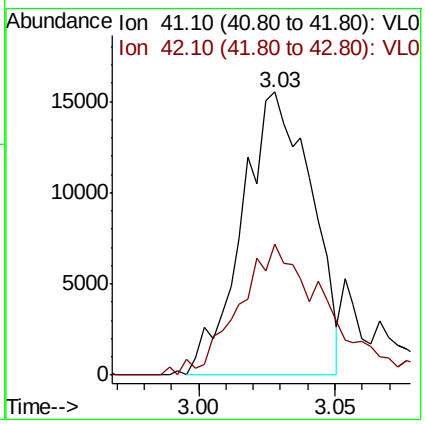


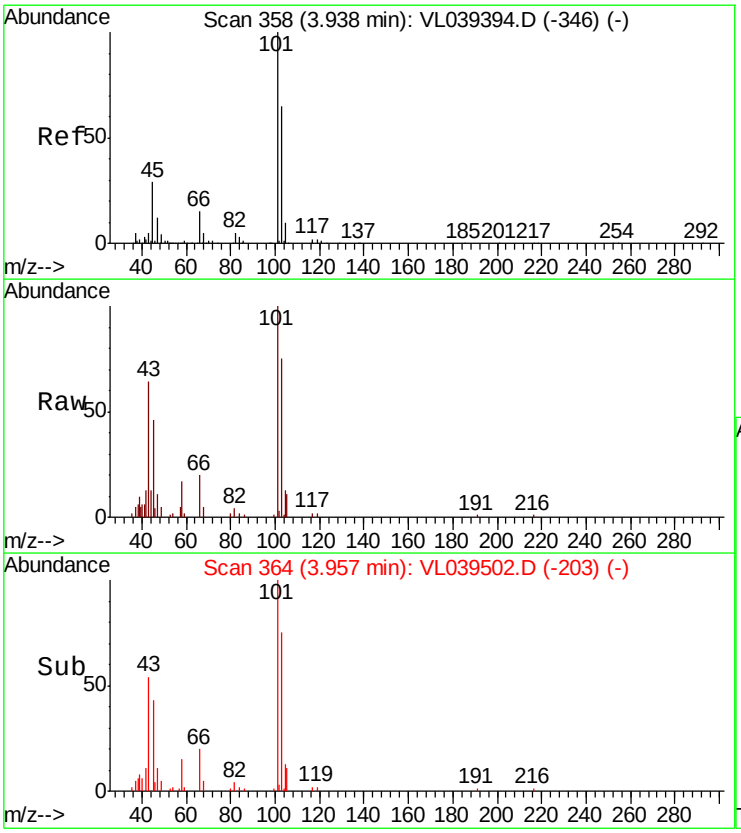
#9
Propene
Concen: 0.497 ppbv
RT: 3.03
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 41 Resp: 27374

Ion	Ratio	Lower	Upper
41	100		
42	58.9	55.2	82.8

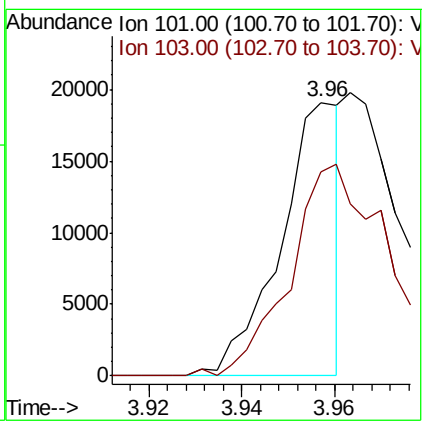


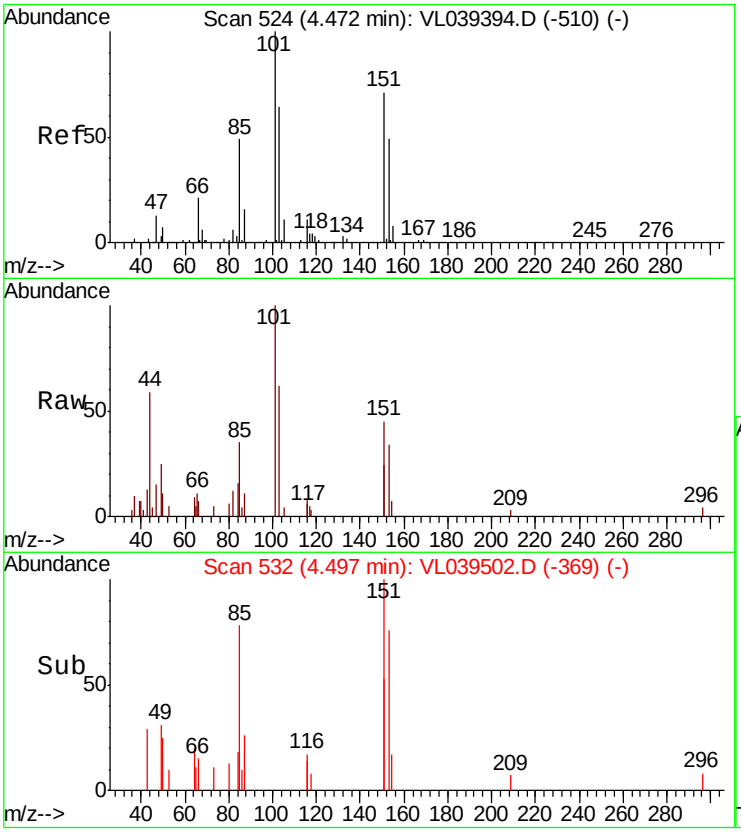


#11
Trichlorofluoromethane
Concen: 0.110 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion:101 Resp: 16942

Ion	Ratio	Lower	Upper
101	100		
103	74.7	51.8	77.8



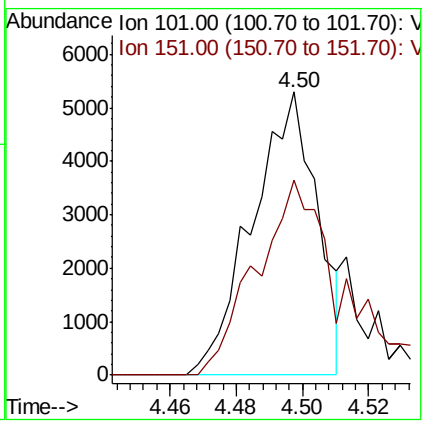


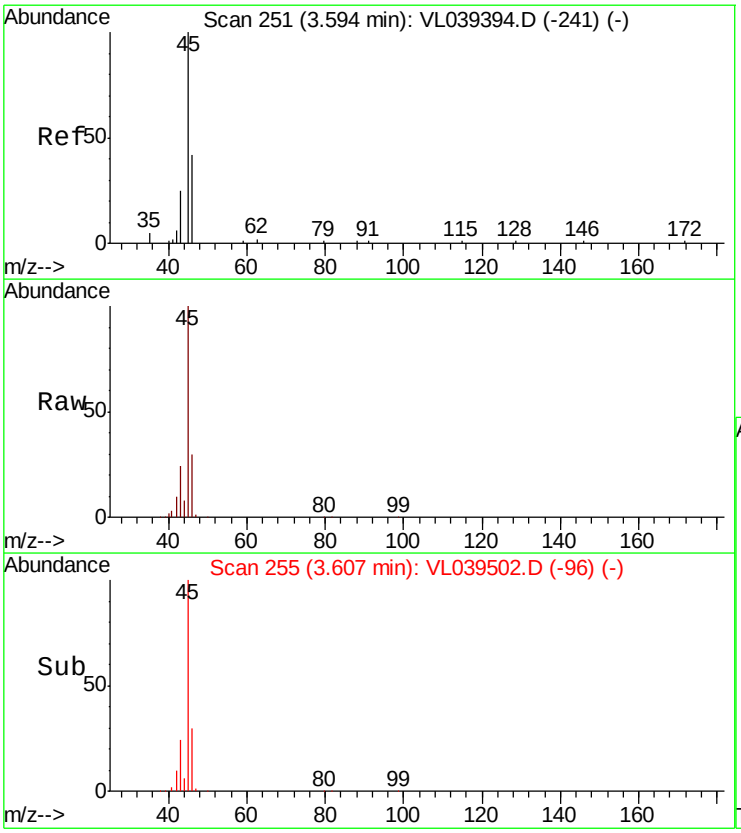
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.063 ppbv
RT: 4.50
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion:101 Resp: 7264

Ion	Ratio	Lower	Upper
101	100		
151	92.6	58.9	88.3#

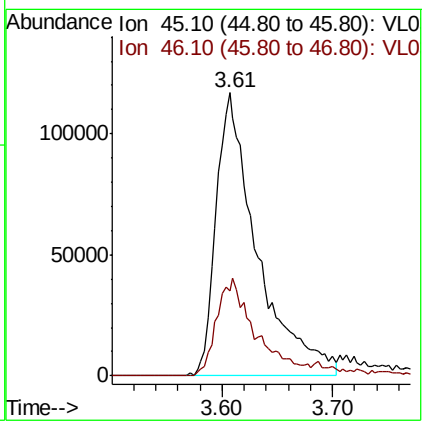


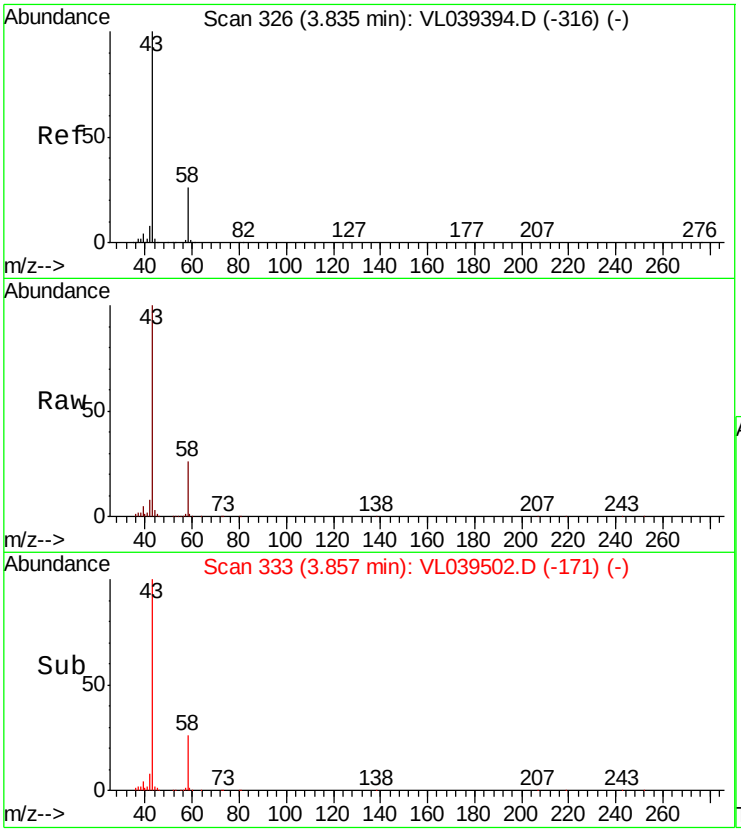


#13
Ethanol
Concen: 94.515 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 45 Resp: 301908

Ion	Ratio	Lower	Upper
45	100		
46	37.5	22.8	91.2



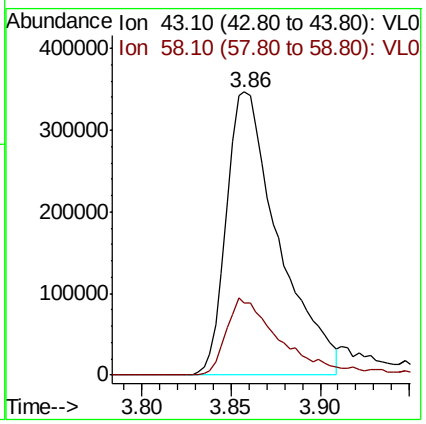


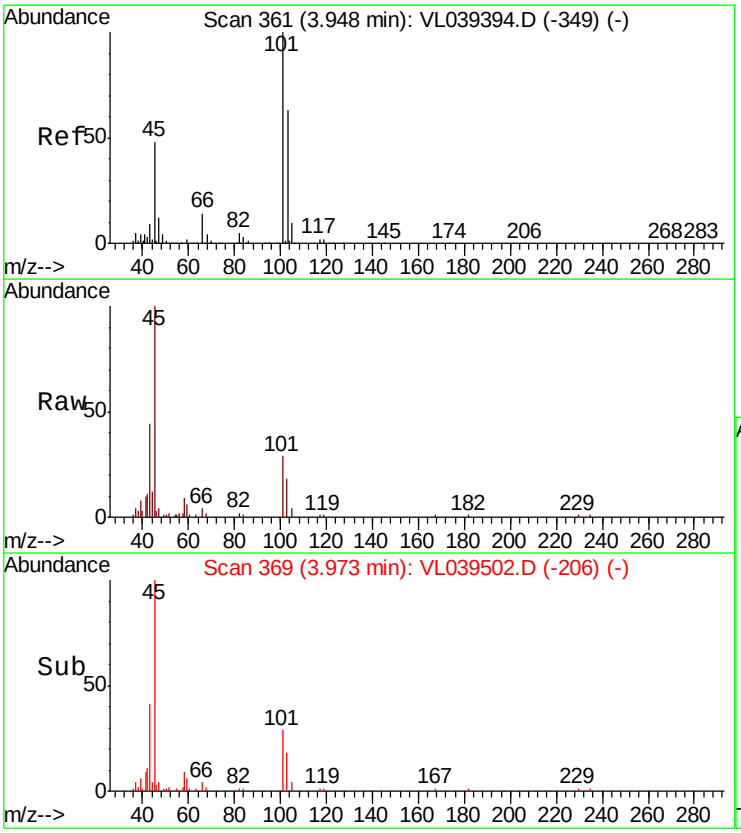
#15
Acetone
Concen: 6.184 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 43 Resp: 703086

Ion	Ratio	Lower	Upper
43	100		
58	31.2	21.0	31.6

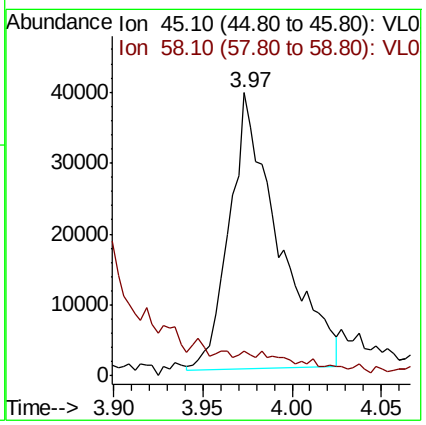


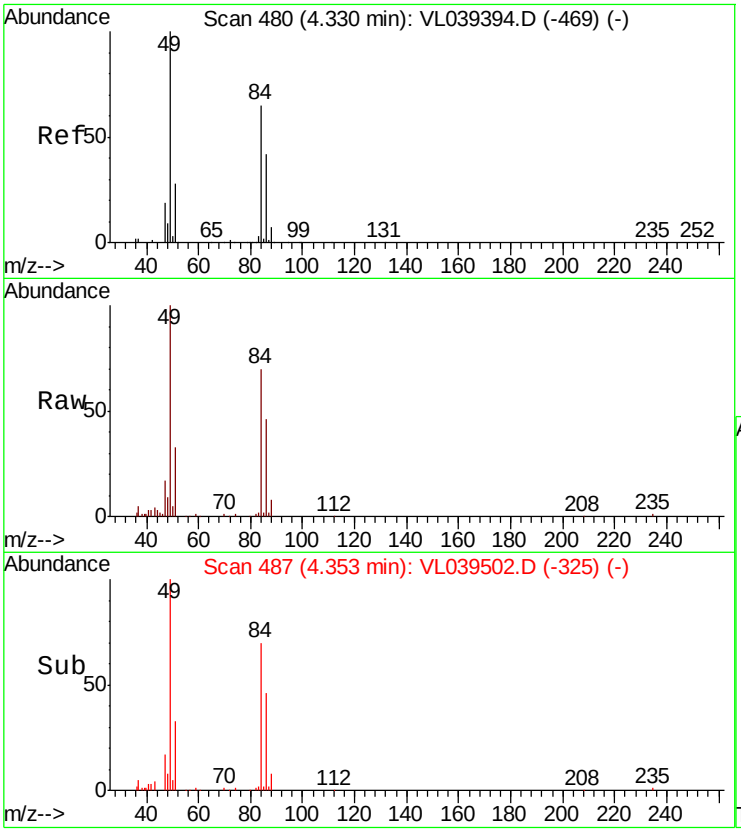


#19
Isopropyl Alcohol
Concen: 1.237 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.03 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 45 Resp: 75002

Ion	Ratio	Lower	Upper
45	100		
58	10.9	3.2	4.8#



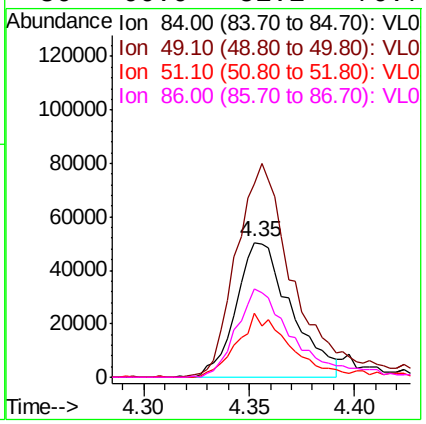


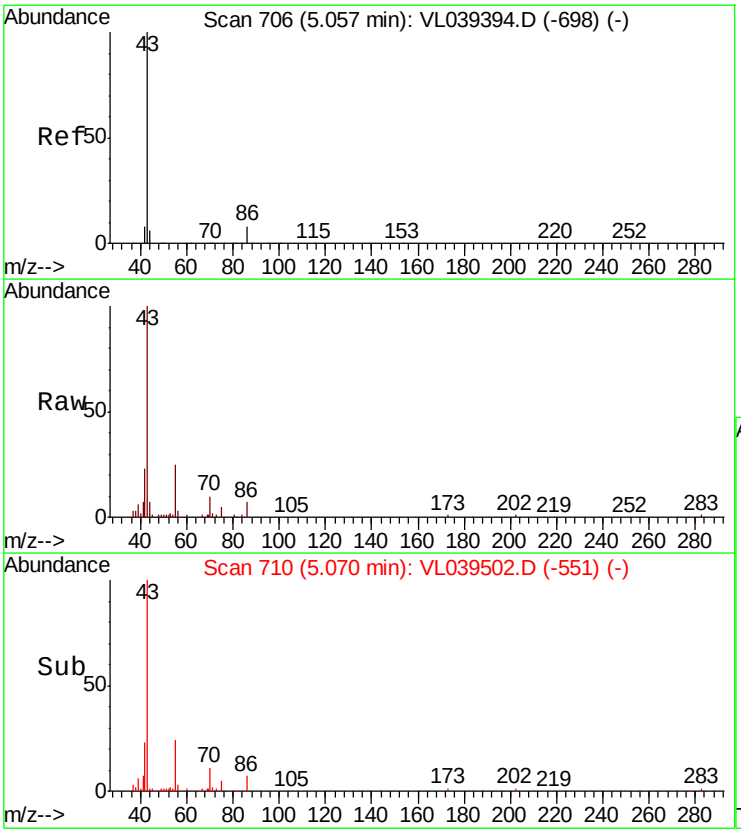
#20
Methylene Chloride
Concen: 2.017 ppbv
RT: 4.35
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 84 Resp: 91389

Ion	Ratio	Lower	Upper
84	100		
49	143.2	123.1	184.7
51	47.4	34.4	51.6
86	66.0	51.1	76.7

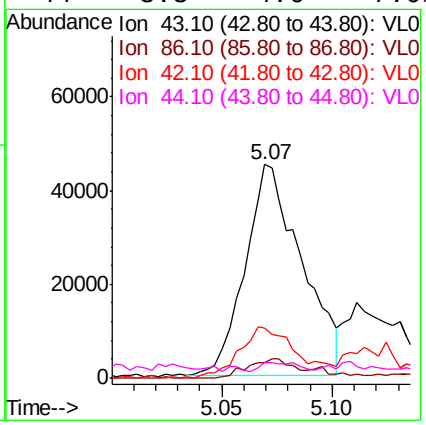


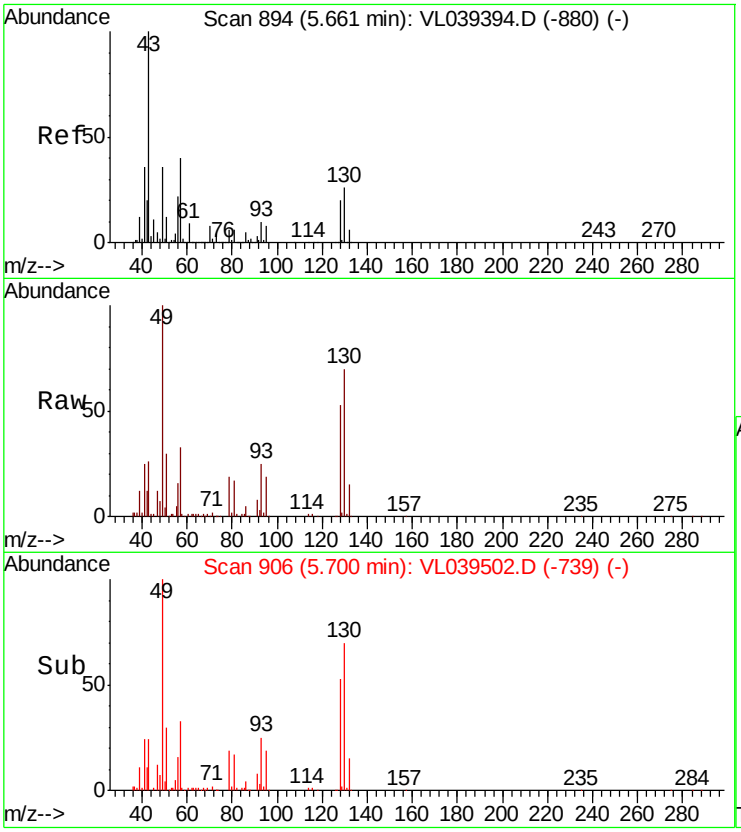


#23
Vinyl Acetate
Concen: 1.054 ppbv
RT: 5.07 min Scan# 710
Delta R.T. 0.01 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 43 Resp: 80101

Ion	Ratio	Lower	Upper
43	100		
86	7.5	5.0	7.6
42	23.0	7.7	11.5#
44	3.3	4.6	7.0#



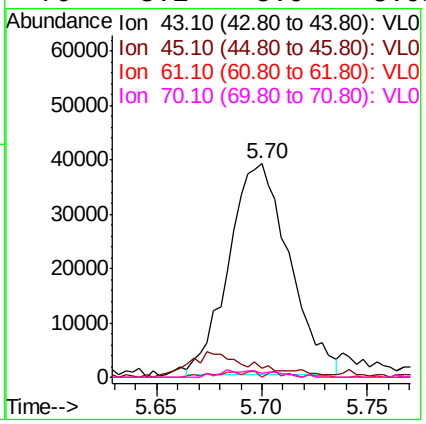


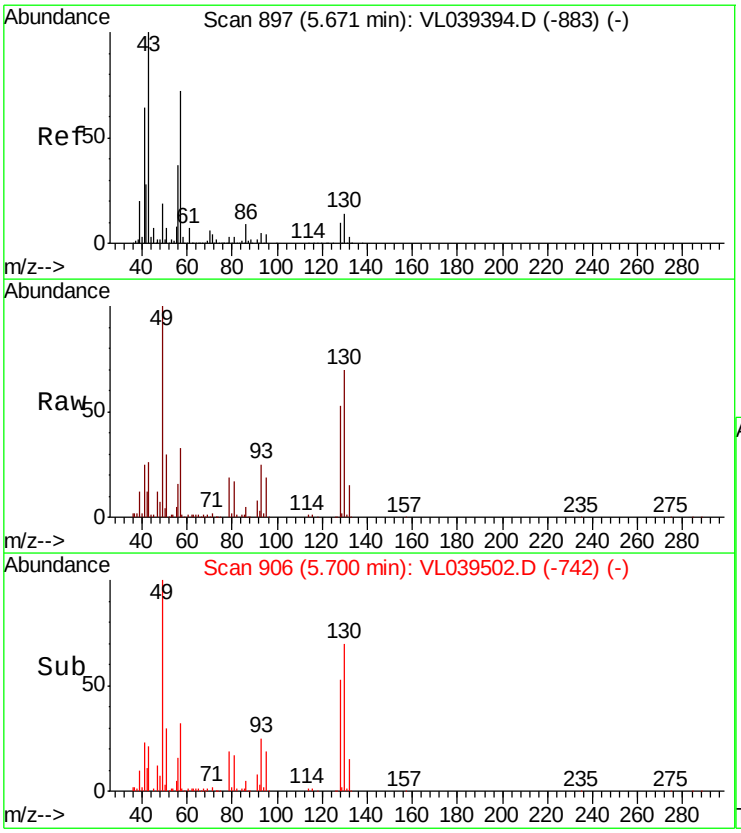
#25
Ethyl Acetate
Concen: 0.332 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 43 Resp: 77337

Ion	Ratio	Lower	Upper
43	100		
45	14.1	8.2	12.4#
61	2.9	8.3	12.5#
70	3.1	5.9	8.9#

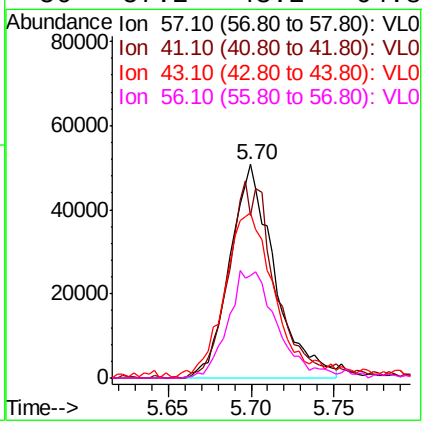


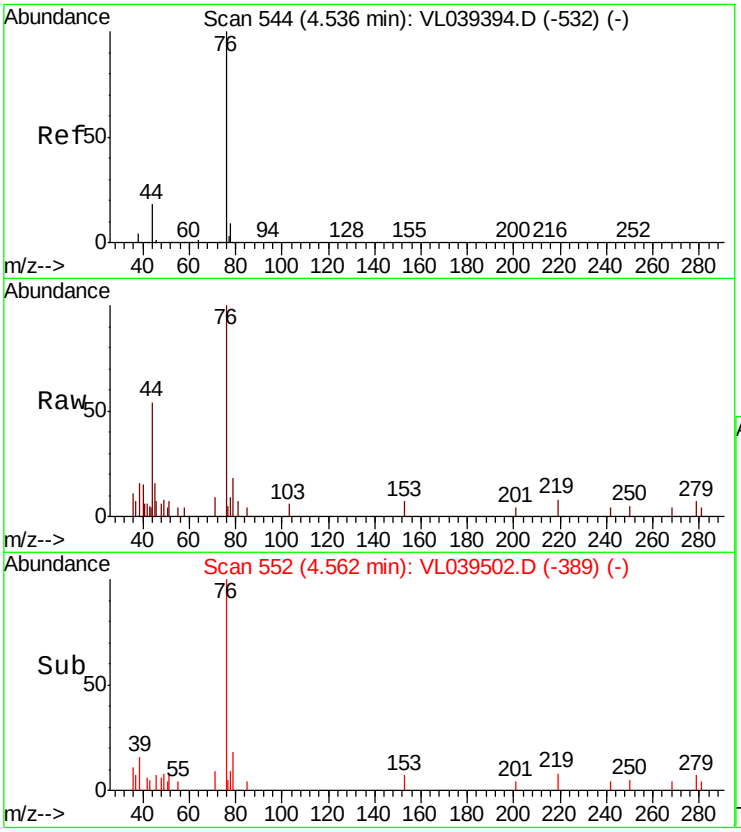


#26
Hexane
Concen: 1.011 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 57 Resp: 95023

Ion	Ratio	Lower	Upper
57	100		
41	99.3	76.9	115.3
43	84.0	191.0	286.6#
56	57.2	43.2	64.8



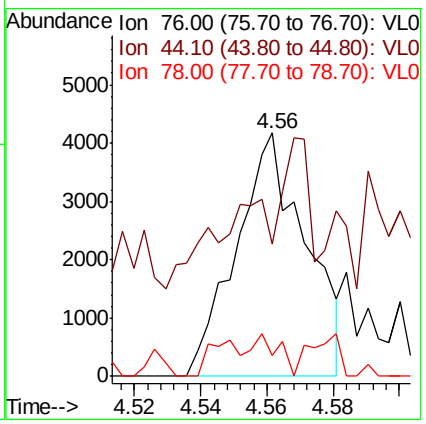


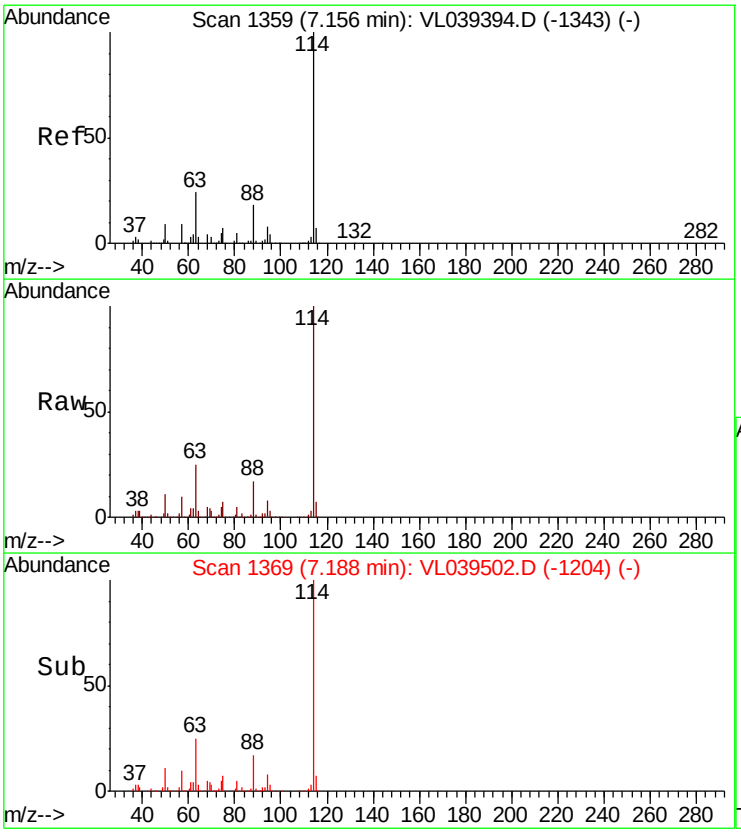
#27
Carbon Disulfide
Concen: 0.053 ppbv
RT: 4.56
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 76 Resp: 6052

Ion	Ratio	Lower	Upper
76	100		
44	44.5	14.6	21.8#
78	0.0	7.8	11.6#

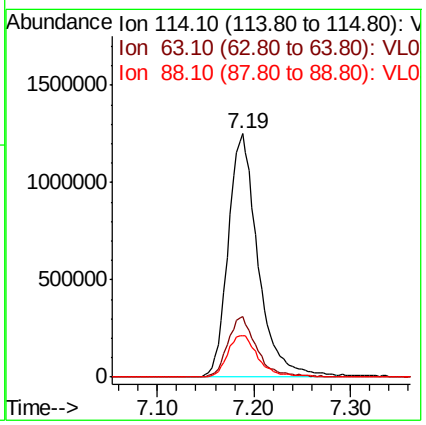


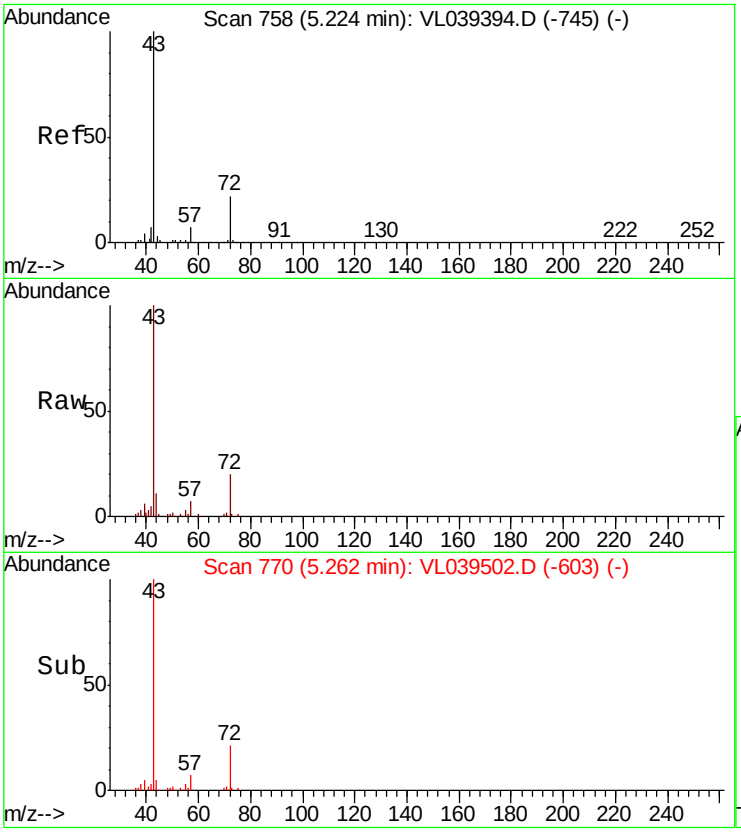


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion:114 Resp: 2683465

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.2	30.4
88	17.7	14.5	21.7



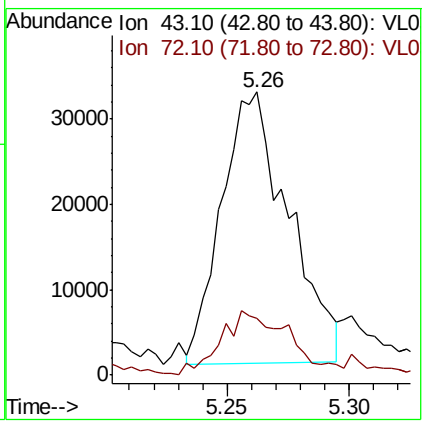


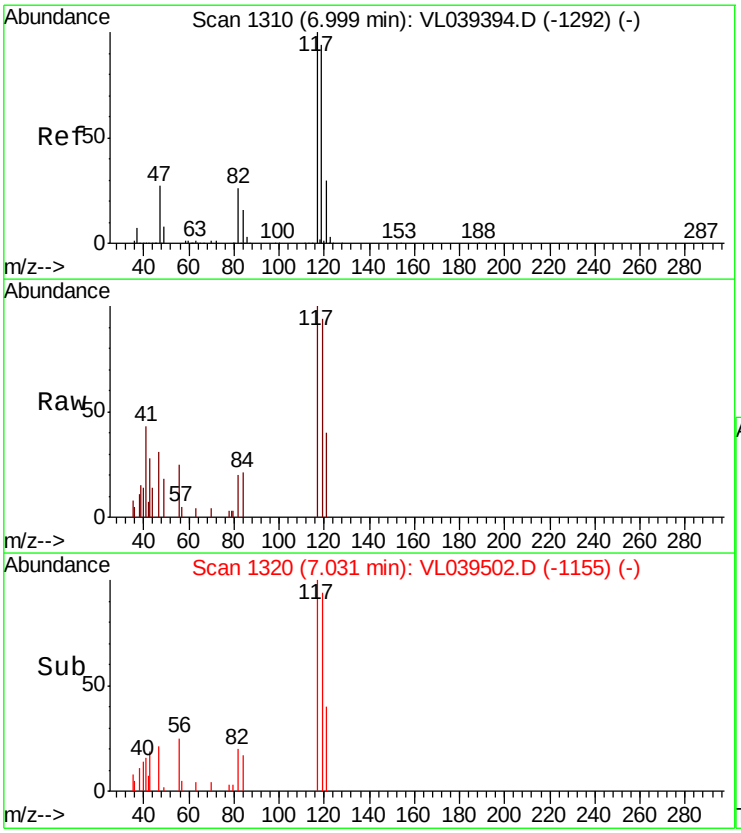
#34
2-Butanone
Concen: 0.450 ppbv
RT: 5.26
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 43 Resp: 60835

Ion	Ratio	Lower	Upper
43	100		
72	28.0	17.9	26.9#

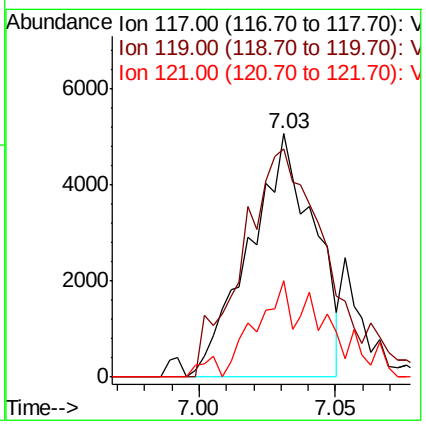


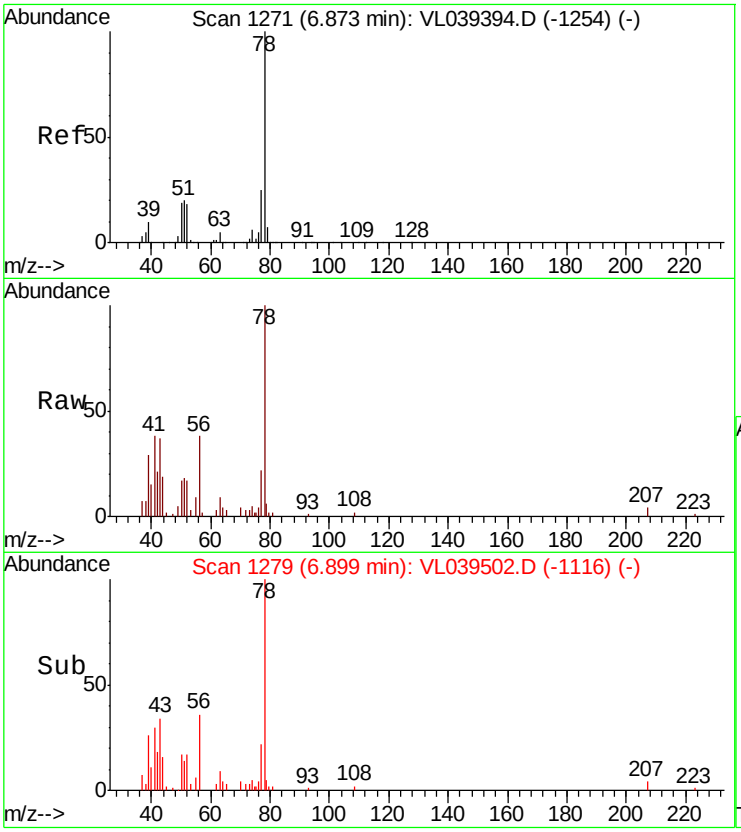


#35
Carbon Tetrachloride
Concen: 0.050 ppbv
RT: 7.03 min Scan# 1320
Delta R.T. 0.03 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion:117 Resp: 8355

Ion	Ratio	Lower	Upper
117	100		
119	93.9	75.4	113.2
121	39.8	24.2	36.2#



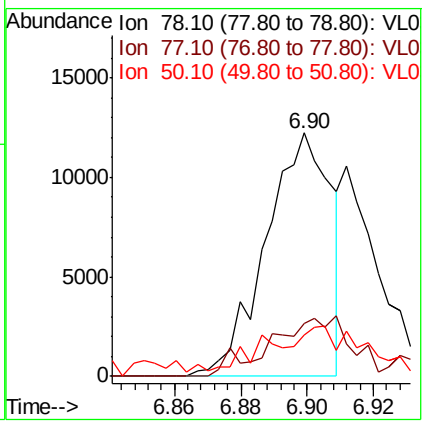


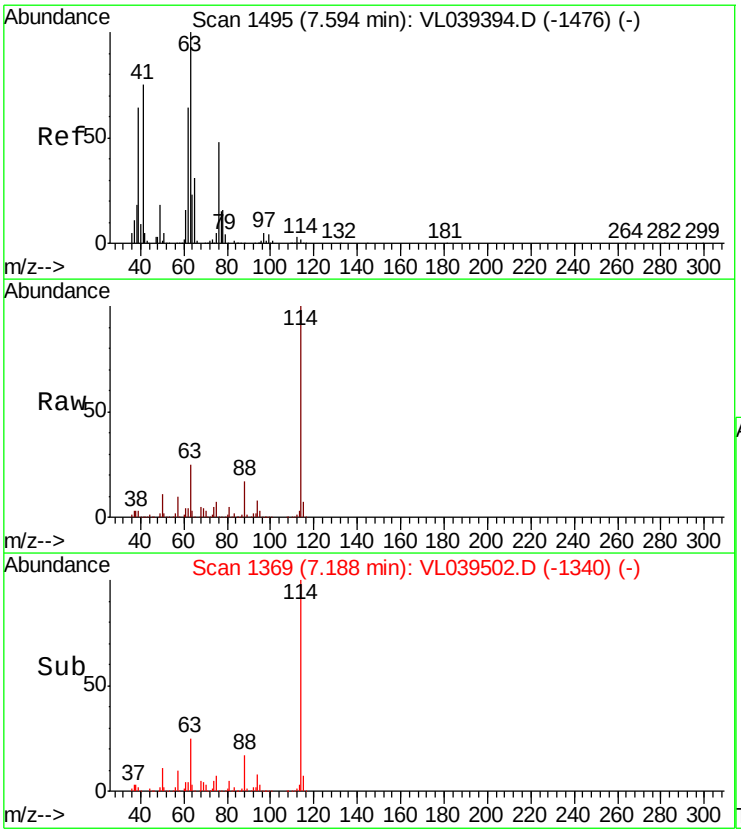
#36
Benzene
Concen: 0.081 ppbv
RT: 6.90
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 78 Resp: 16748

Ion	Ratio	Lower	Upper
78	100		
77	20.6	20.3	30.5
50	14.3	15.5	23.3#

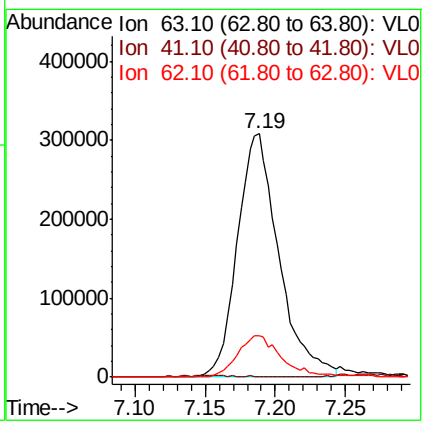


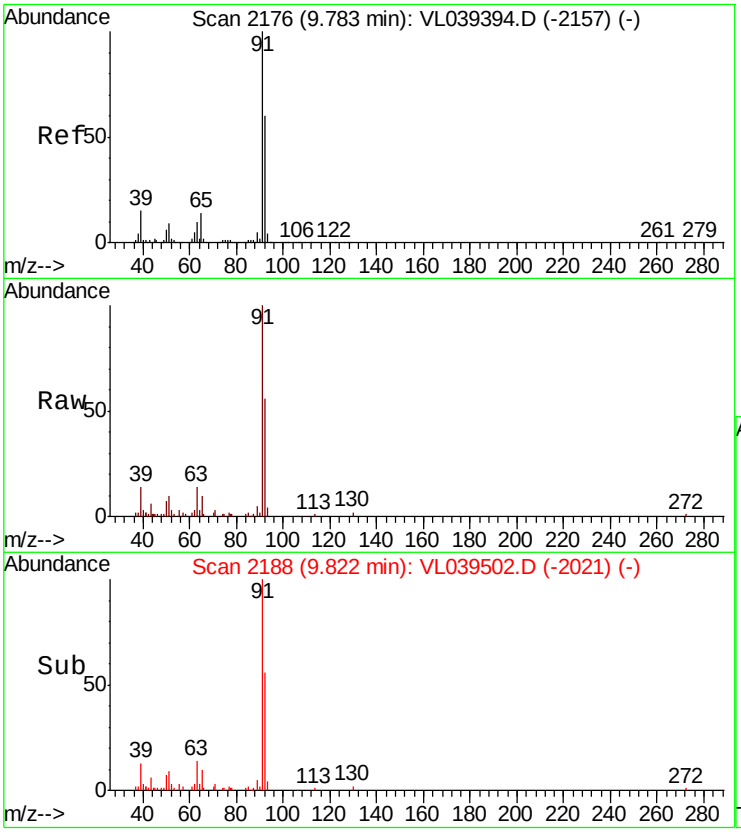


#39
1,2-Dichloropropane
Concen: 8.190 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.41 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 63 Resp: 635419

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.7	51.4	77.0#



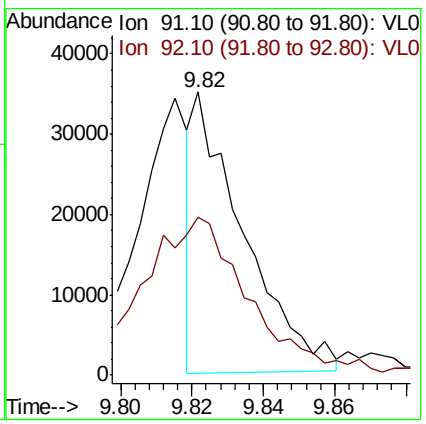


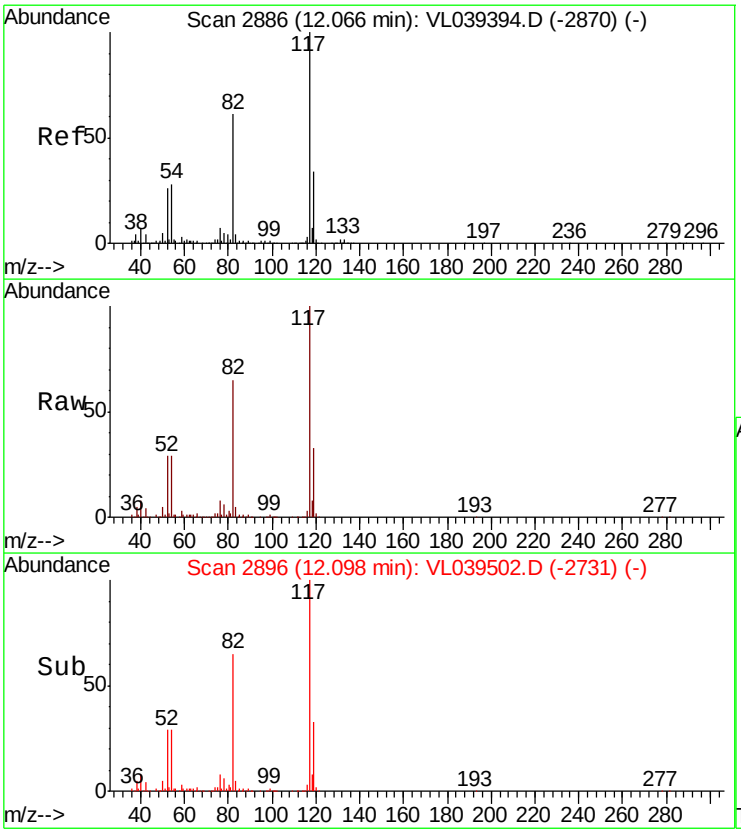
#53
Toluene
Concen: 0.142 ppbv
RT: 9.82
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 91 Resp: 34032

Ion	Ratio	Lower	Upper
91	100		
92	125.2	48.2	72.2#

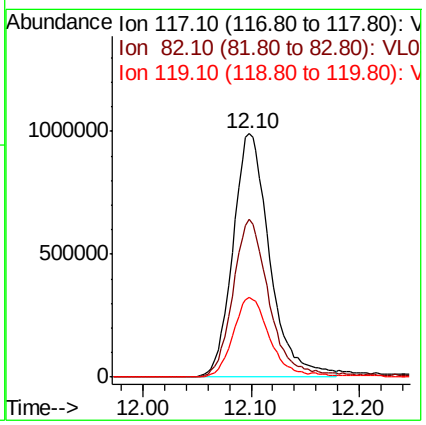


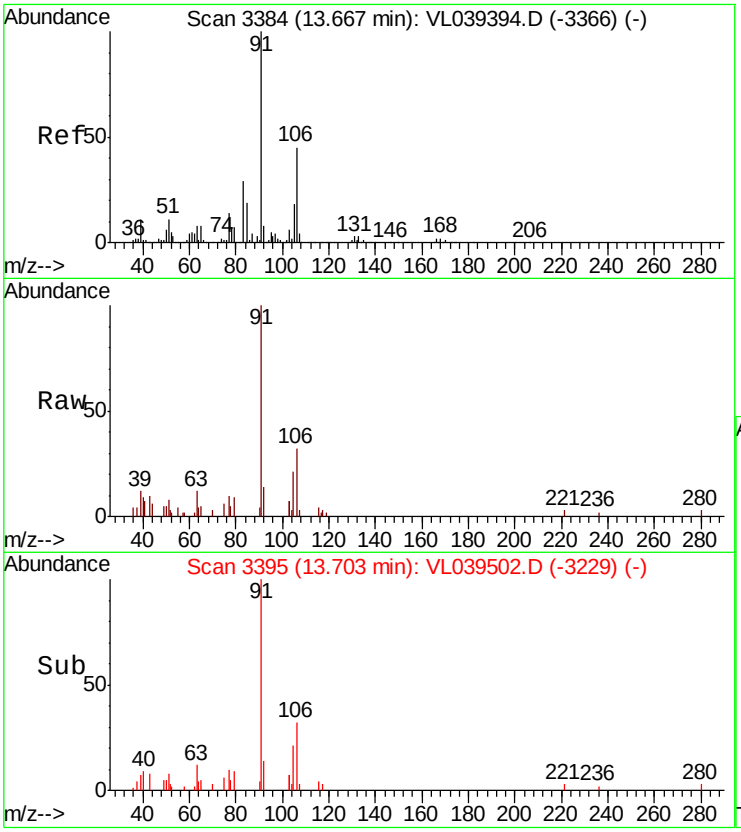


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.03 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion:117 Resp: 2352943

Ion	Ratio	Lower	Upper
117	100		
82	66.4	50.8	76.2
119	33.5	24.1	36.1



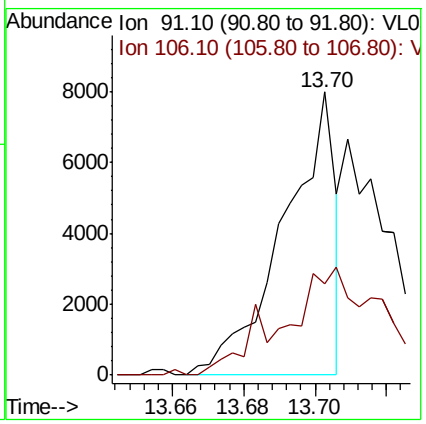


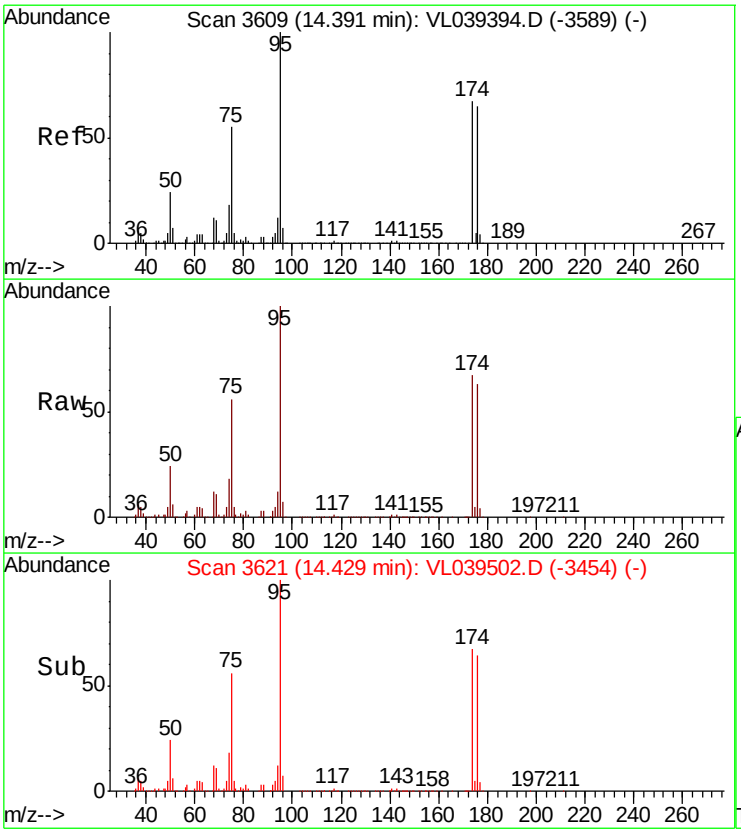
#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.70
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 91 Resp: 7944

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.4	67.3#

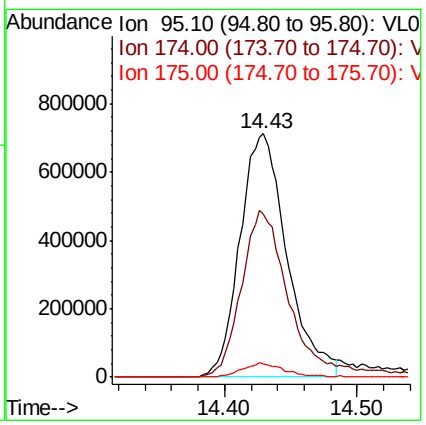


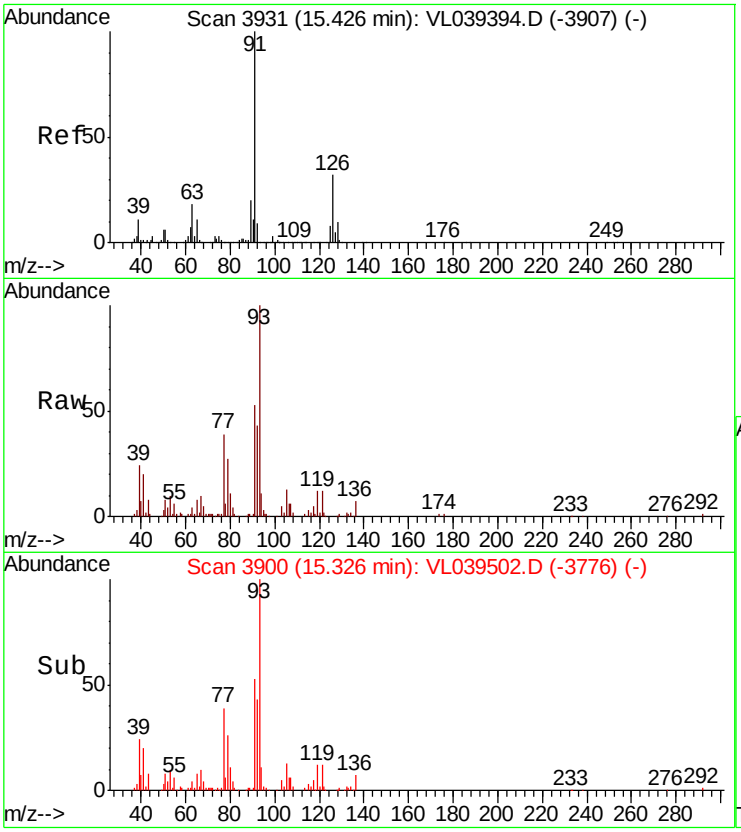


#68
1-Bromo-4-Fluorobenzene
Concen: 10.056 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.04 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion: 95 Resp: 1755351

Ion	Ratio	Lower	Upper
95	100		
174	73.2	55.9	83.9
175	5.7	4.2	6.4



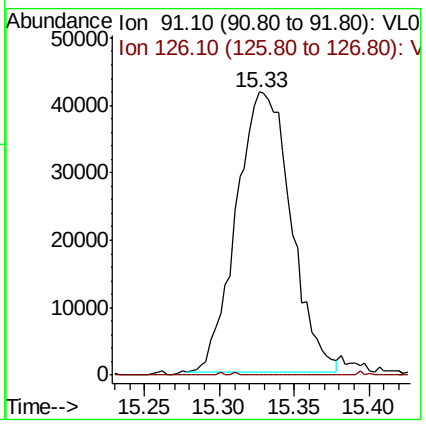


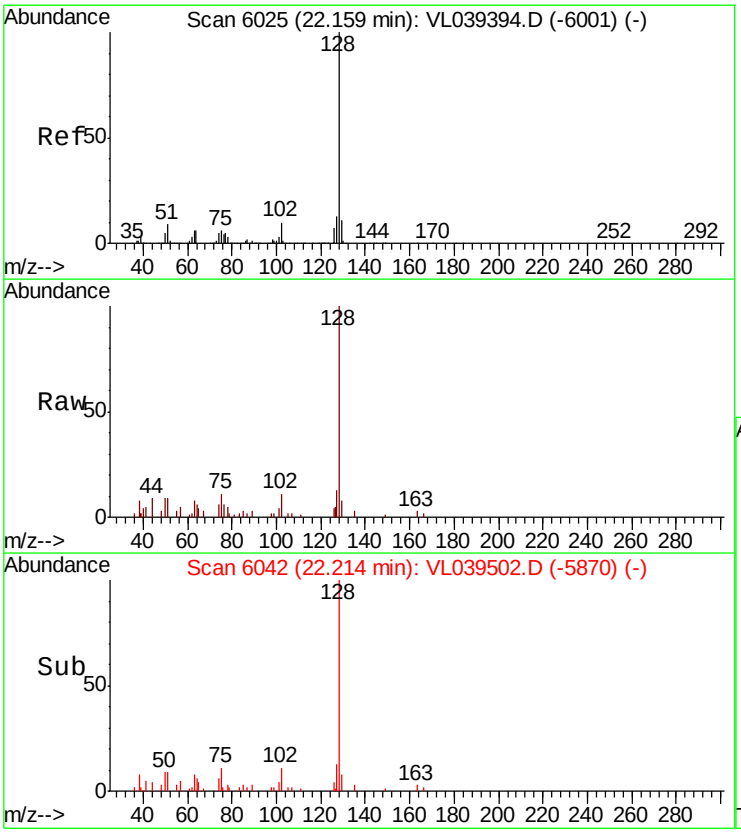
#71
2-Chlorotoluene
Concen: 0.380 ppbv
RT: 15.33
Delta R.T
Lab File:
Acq: 20 Jul 2022 5:14

Instrument :
MSVOA_L
ClientSampleId :
OA-1

Tgt Ion: 91 Resp: 105090

Ion	Ratio	Lower	Upper
91	100		
126	0.2	13.0	51.8#





#79
Naphthalene
Concen: 0.054 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. 0.05 min
Lab File: VL039502.D
Acq: 20 Jul 2022 5:14

Tgt Ion:128 Resp: 11239

Ion	Ratio	Lower	Upper
128	100		
127	3.3	10.6	15.8#
129	6.2	8.8	13.2#