Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062422\
Data File : VL039350.D
Acq On : 24 Jun 2022 21:05
Operator : SY/AP
Sample : N3453-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-4

Quant Time: Jun 27 01:51:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1111421	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.17	114	3102326	10.00	ppbv		-0.01
55) Chlorobenzene-d5	12.08	117	2749062	10.00	ppbv		-0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2079901	9.15	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 91.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	40772	0.209	ppbv		99
3) Chlorodifluoromethane	2.99	51	77969	0.551	ppbv	#	90
4) Chloromethane	3.14	50	37663	0.518	ppbv		96
9) Propene	3.01	41	11195	0.182	ppbv	#	15
10) Heptane	8.11	43	4831	0.034	ppbv	#	1
13) Ethanol	3.59	45	1089489	323.984	ppbv	#	100
15) Acetone	3.84	43	1154992	9.976	ppbv		96
16) 1,3-Butadiene	3.31	39	4549	0.073	ppbv	#	28
17) tert-Butyl alcohol	4.29	59	6981	0.078	ppbv	#	70
19) Isopropyl Alcohol	3.96	45	492717	9.074	ppbv		99
20) Methylene Chloride	4.34	84	243634	4.994	ppbv		89
23) Vinyl Acetate	5.06	43	99967	1.044	ppbv	#	84
25) Ethyl Acetate	5.68	43	140409	0.538	ppbv	#	81
26) Hexane	5.68	57	186958	1.630	ppbv	#	38
34) 2-Butanone	5.24	43	96245	0.571	ppbv		91
35) Carbon Tetrachloride	7.01	117	8640	0.038	ppbv	#	69
36) Benzene	6.89	78	17765	0.071	ppbv	#	87
39) 1,2-Dichloropropane	7.17	63	761235	7.599	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.86	57	15871	0.036	ppbv	#	26
53) Toluene	9.80	91	137978	0.476	ppbv		100

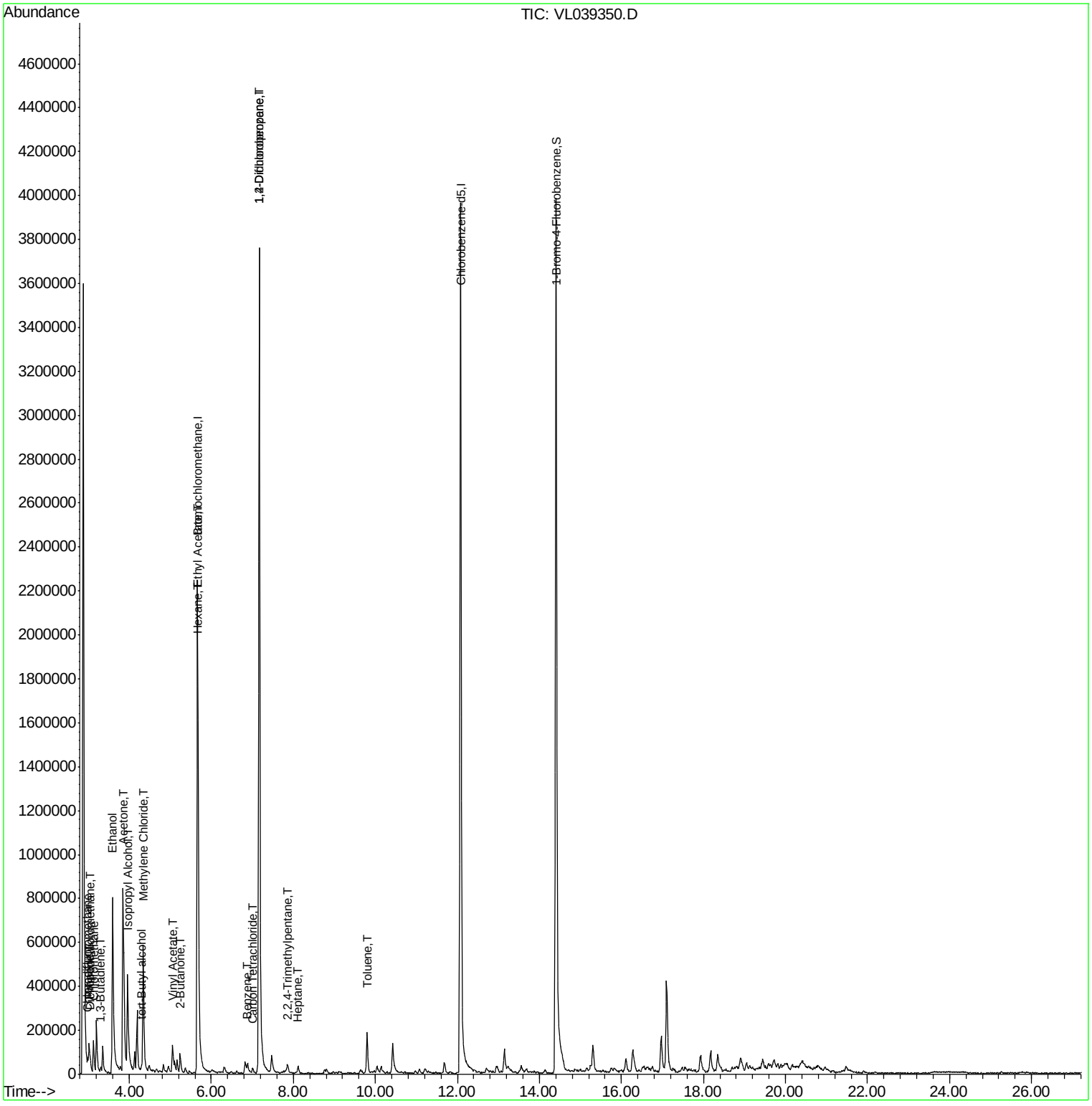
(#) = qualifier out of range (m) = manual integration (+) = signals summed

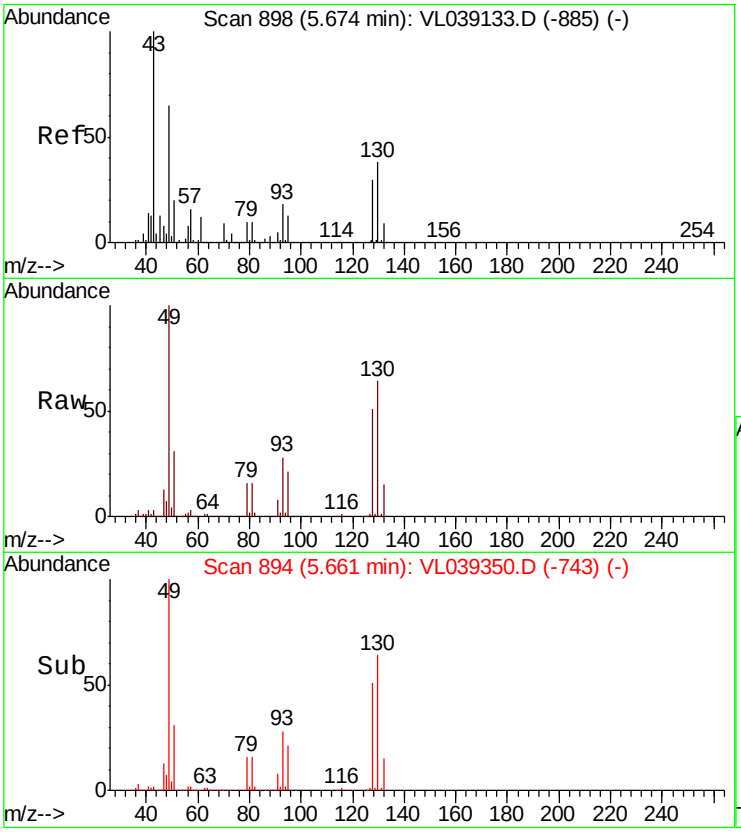
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062422\
Data File : VL039350.D
Acq On : 24 Jun 2022 21:05
Operator : SY/AP
Sample : N3453-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Quant Time: Jun 27 01:51:34 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



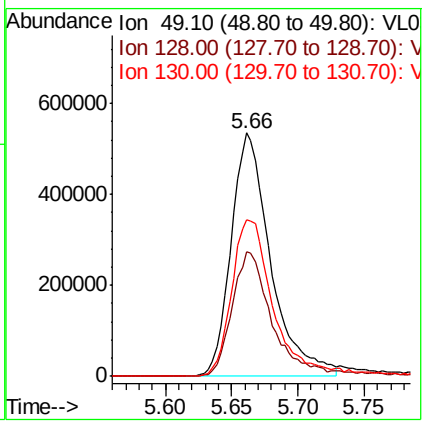


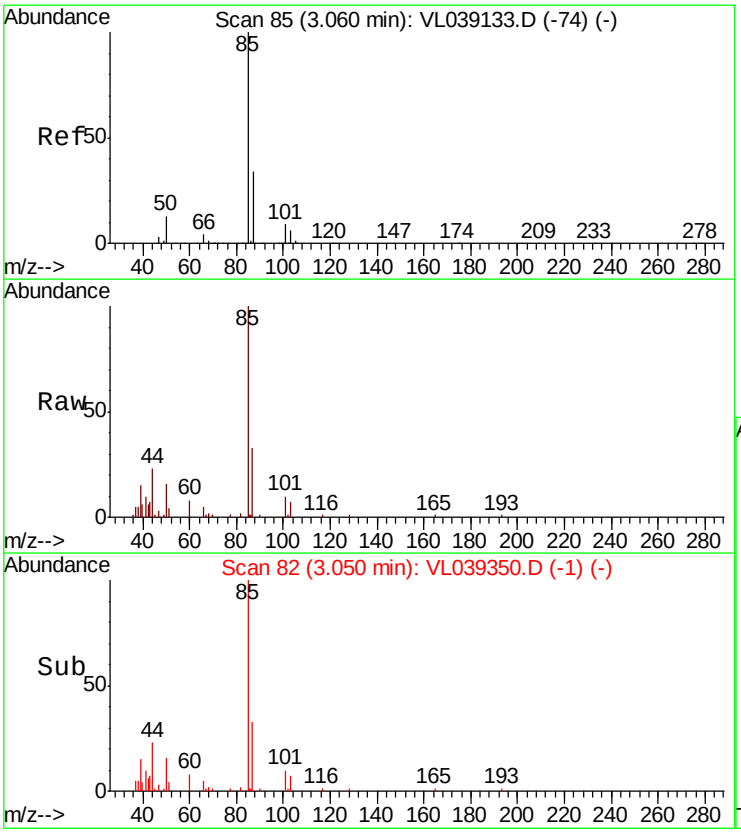
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 49 Resp: 1111421

Ion	Ratio	Lower	Upper
49	100		
128	53.5	24.7	74.1
130	70.7	31.4	94.0

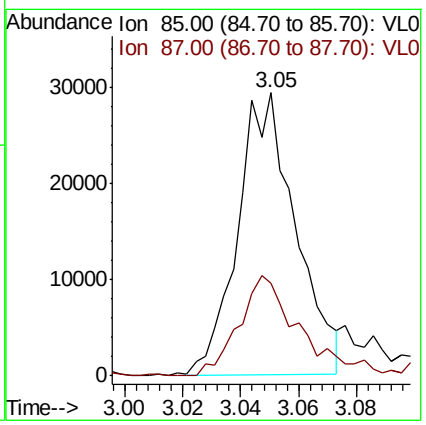


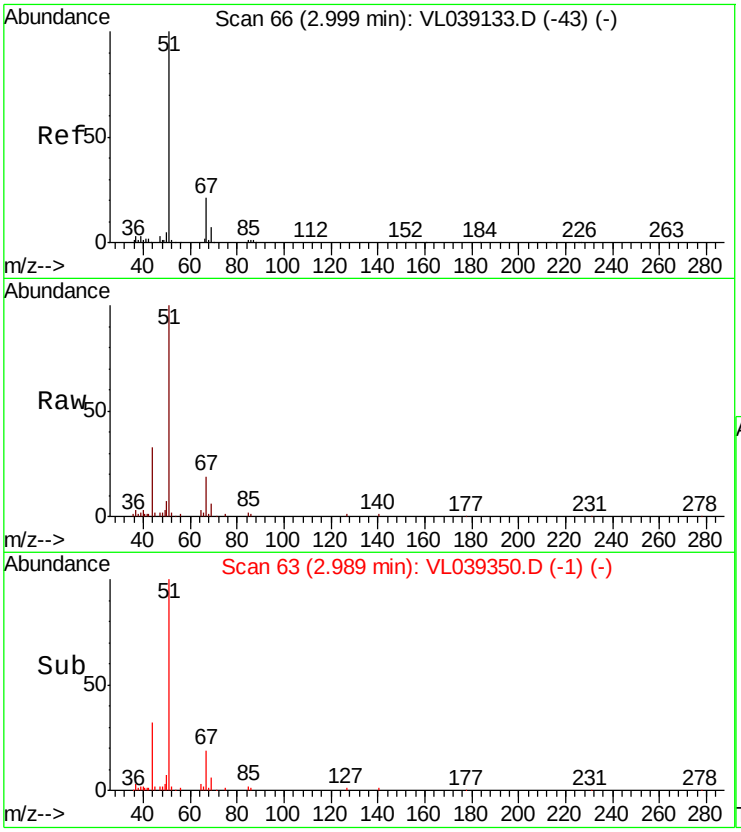


#2
Dichlorodifluoromethane
Concen: 0.209 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 85 Resp: 40772

Ion	Ratio	Lower	Upper
85	100		
87	33.0	26.9	40.3



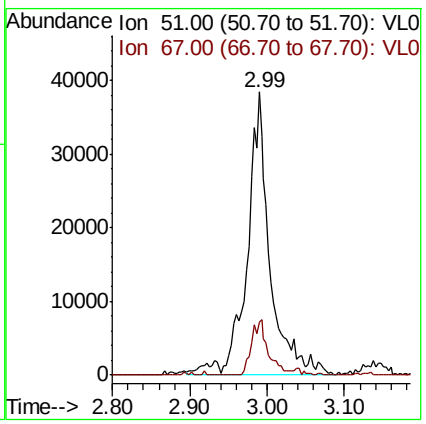


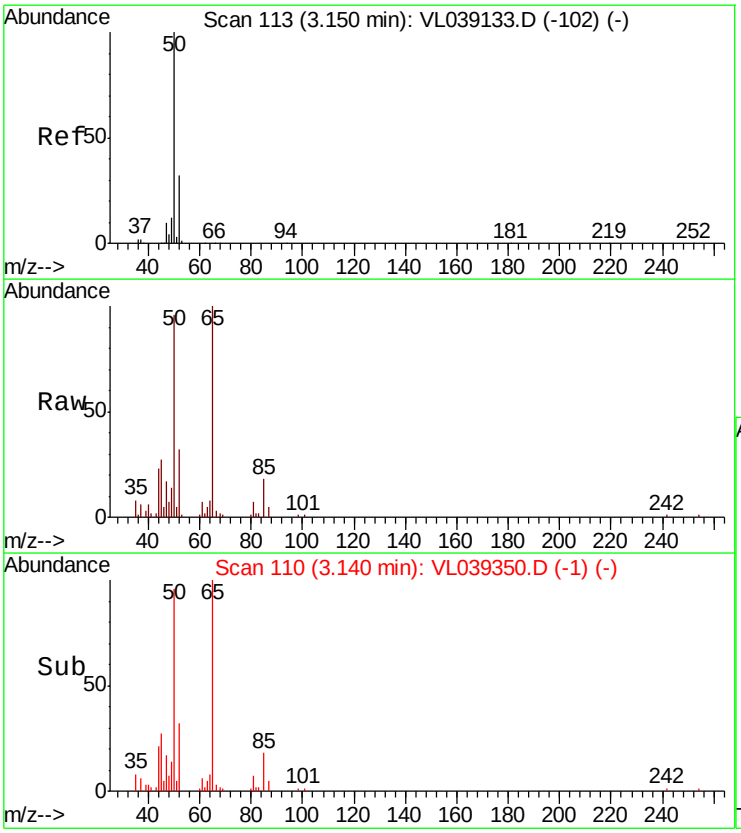
#3
Chlorodifluoromethane
Concen: 0.551 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 51 Resp: 77969

Ion	Ratio	Lower	Upper
51	100		
67	15.8	16.2	24.4#

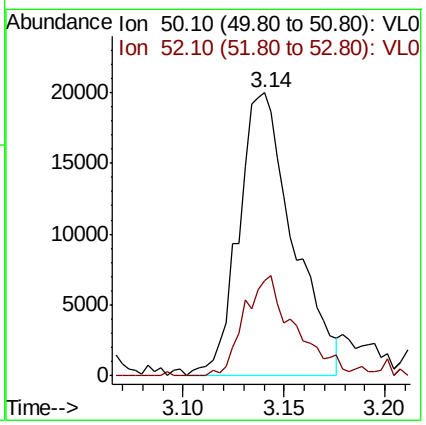


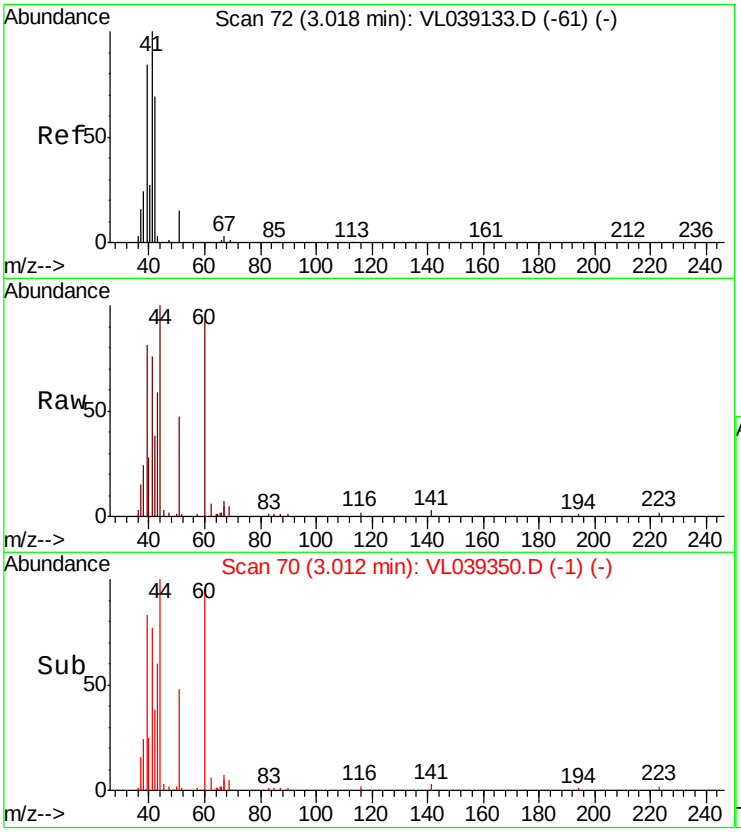


#4
Chloromethane
Concen: 0.518 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 50 Resp: 37663

Ion	Ratio	Lower	Upper
50	100		
52	34.5	25.9	38.9



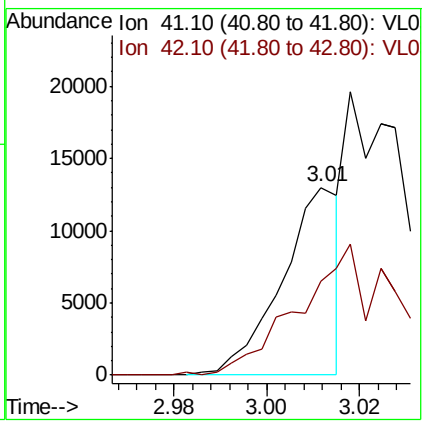


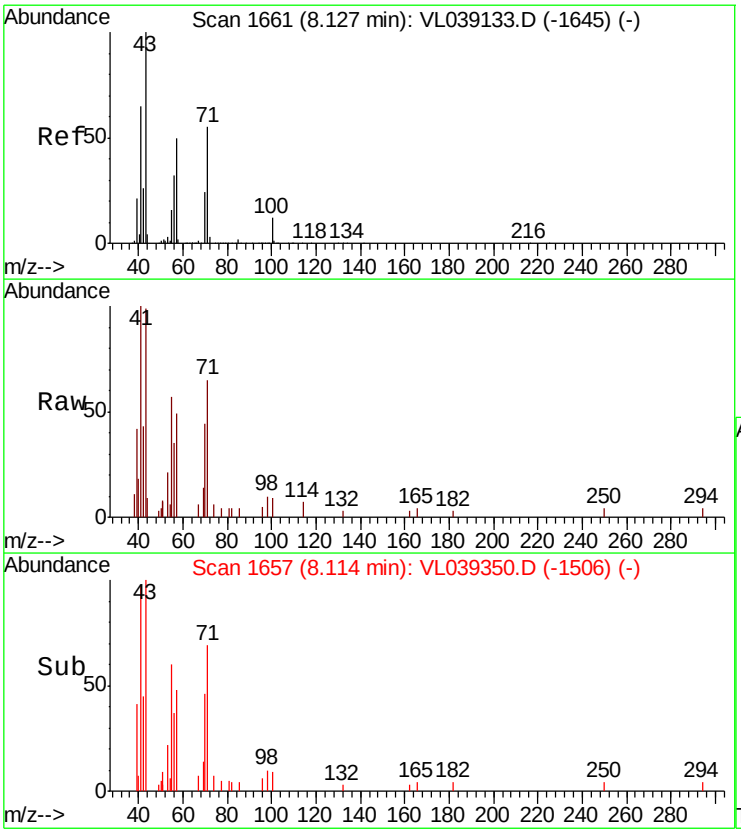
#9
Propene
Concen: 0.182 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 41 Resp: 11195

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.4	83.2#

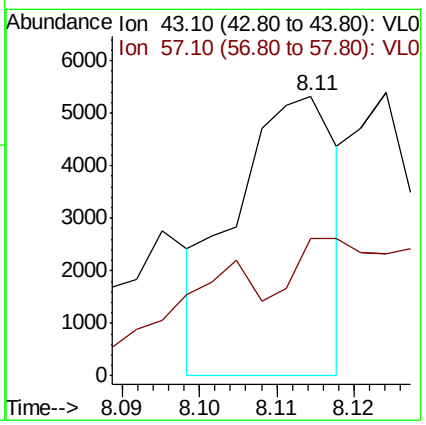


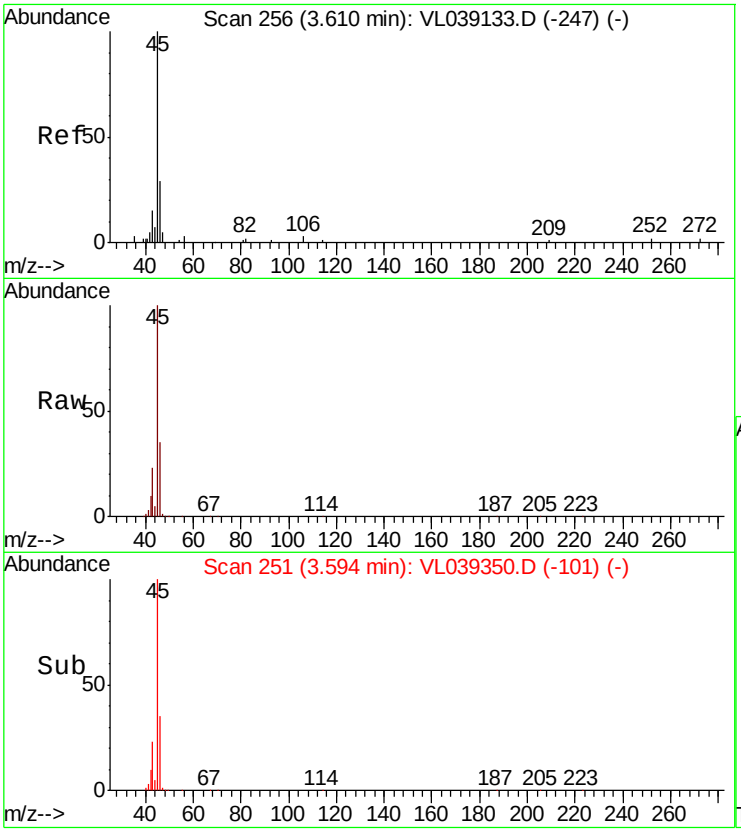


#10
Heptane
Concen: 0.034 ppbv
RT: 8.11 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 43 Resp: 4831

Ion	Ratio	Lower	Upper
43	100		
57	138.3	41.4	62.2#



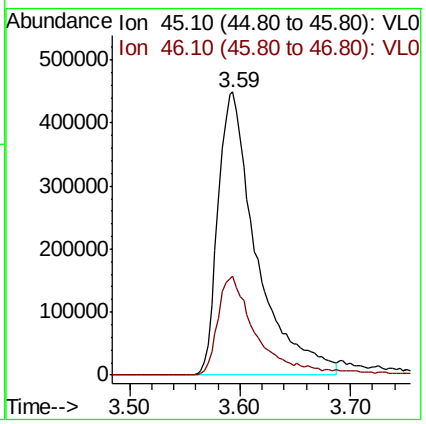


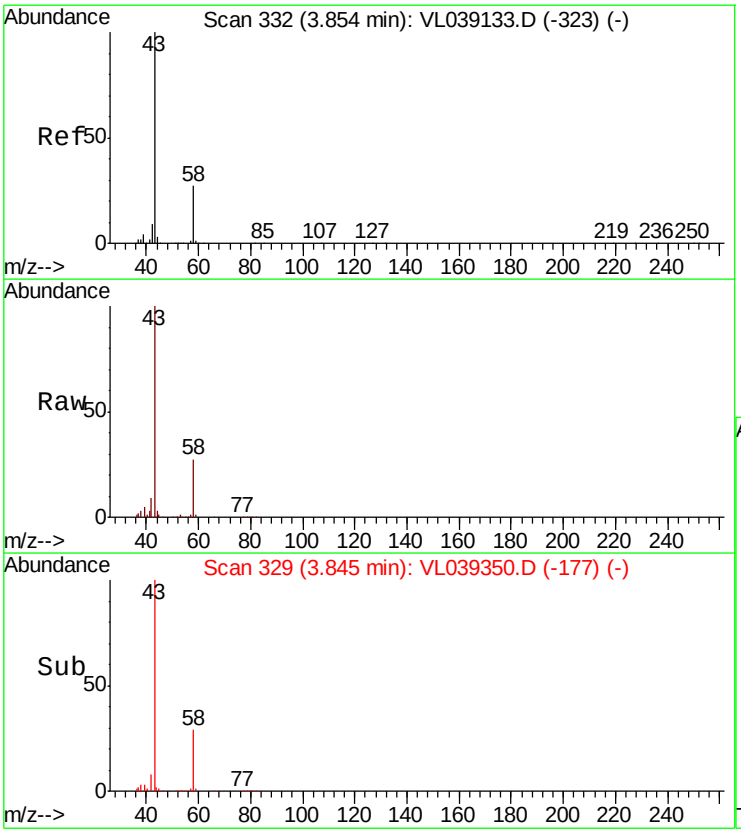
#13
Ethanol
Concen: 323.984 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 45 Resp: 1089489

Ion	Ratio	Lower	Upper
45	100		
46	36.6	0.0	0.0#

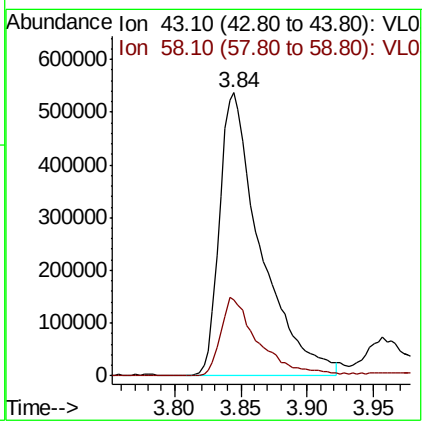


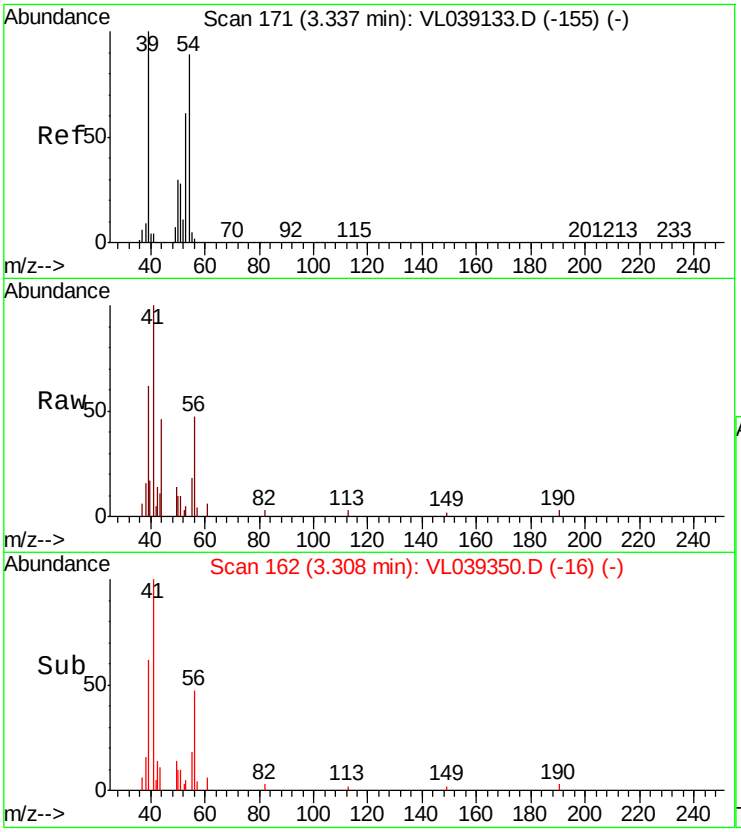


#15
Acetone
Concen: 9.976 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 43 Resp: 1154992

Ion	Ratio	Lower	Upper
43	100		
58	26.1	22.5	33.7



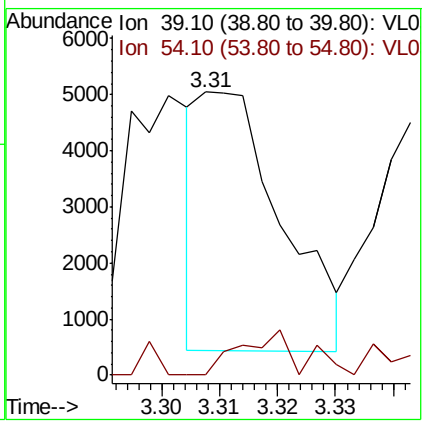


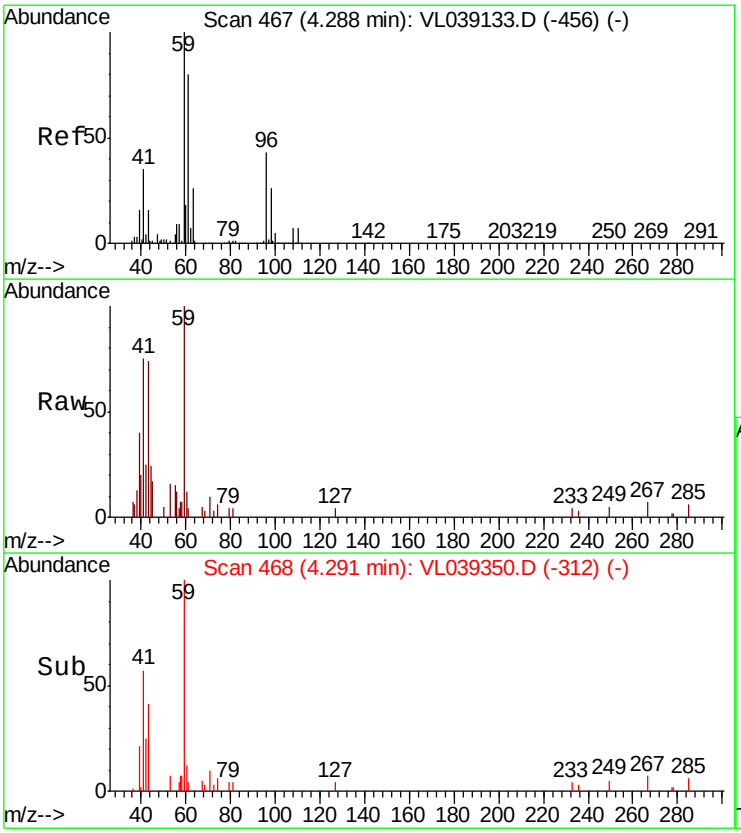
#16
1,3-Butadiene
Concen: 0.073 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 39 Resp: 4549

Ion	Ratio	Lower	Upper
39	100		
54	18.1	65.8	98.6#

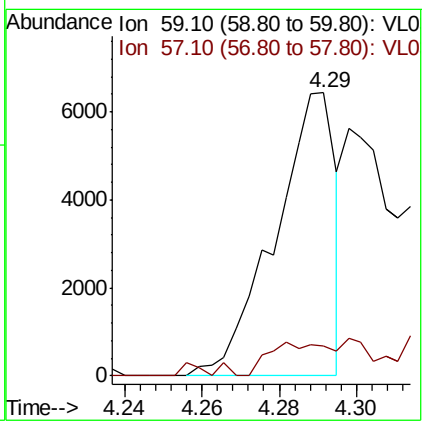


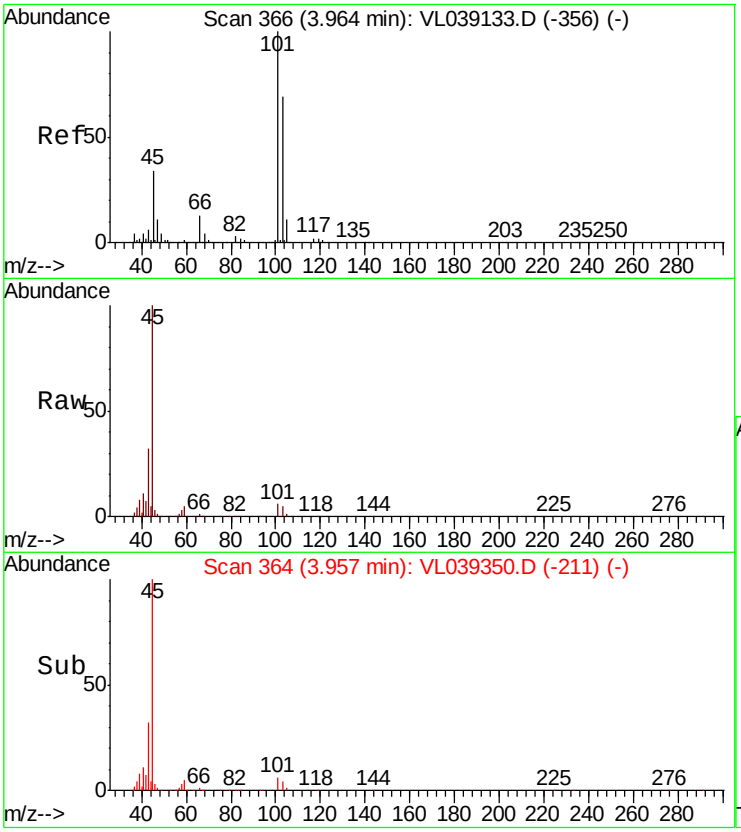


#17
tert-Butyl alcohol
Concen: 0.078 ppbv
RT: 4.29 min Scan# 468
Delta R.T. 0.00 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 59 Resp: 6981

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.1	13.7#



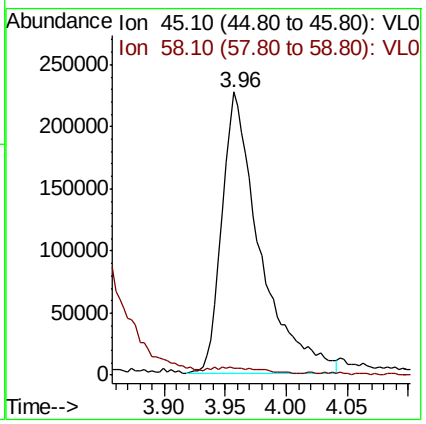


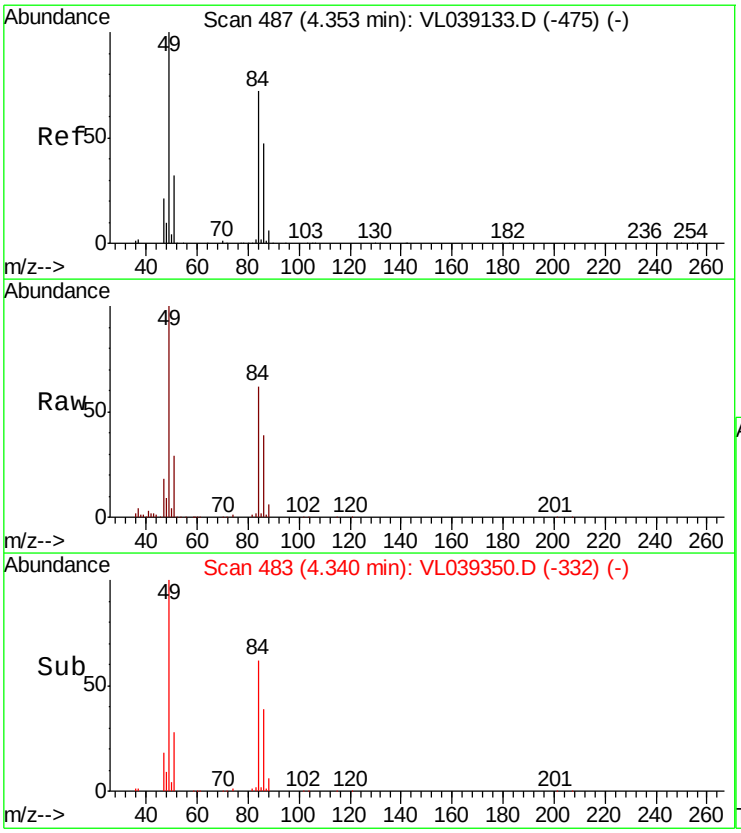
#19
Isopropyl Alcohol
Concen: 9.074 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 45 Resp: 492717

Ion	Ratio	Lower	Upper
45	100		
58	2.7	1.8	2.8

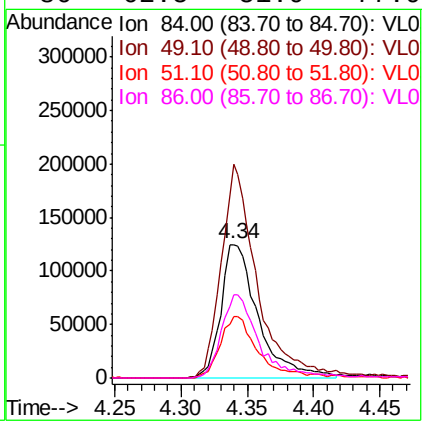


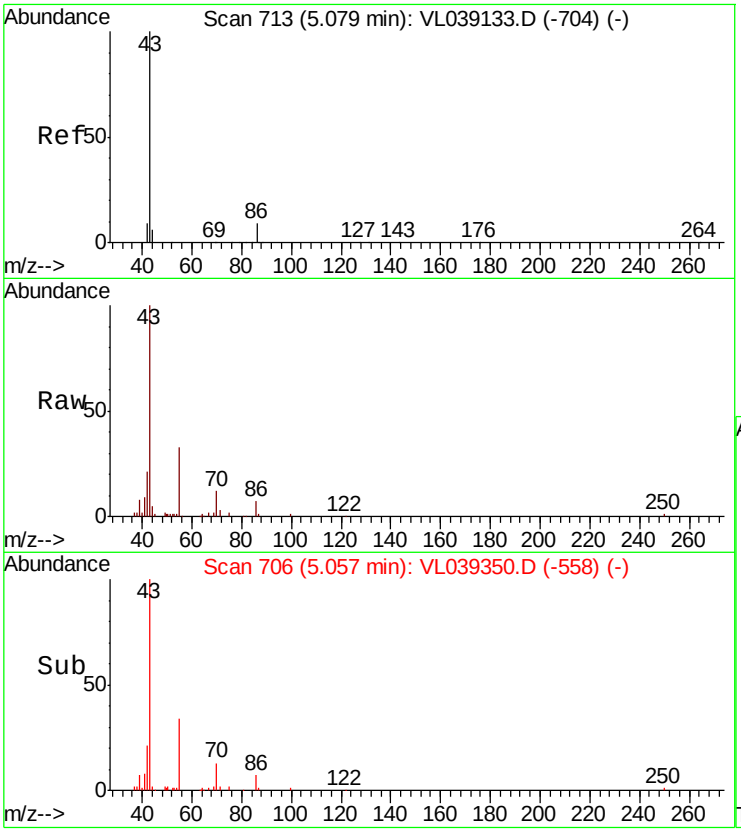


#20
Methylene Chloride
Concen: 4.994 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 84 Resp: 243634

Ion	Ratio	Lower	Upper
84	100		
49	160.2	111.1	166.7
51	45.7	35.3	52.9
86	62.5	51.9	77.9



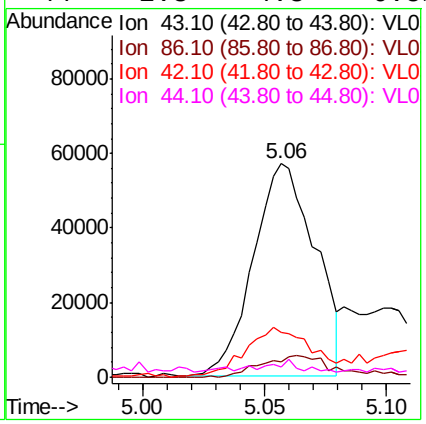


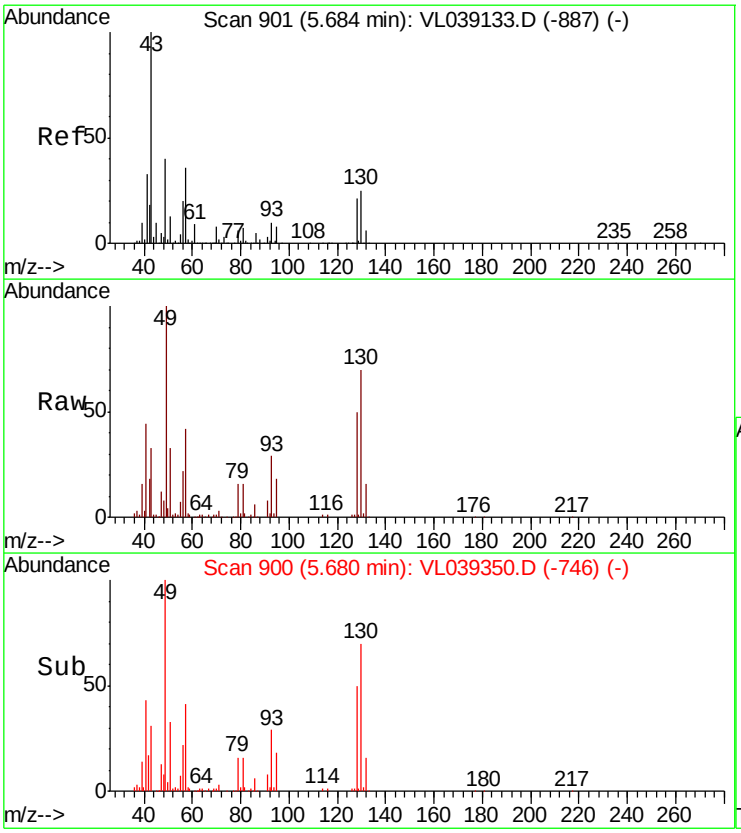
#23
Vinyl Acetate
Concen: 1.044 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 43 Resp: 99967

Ion	Ratio	Lower	Upper
43	100		
86	7.3	6.0	9.0
42	21.5	8.2	12.4#
44	2.3	4.3	6.5#

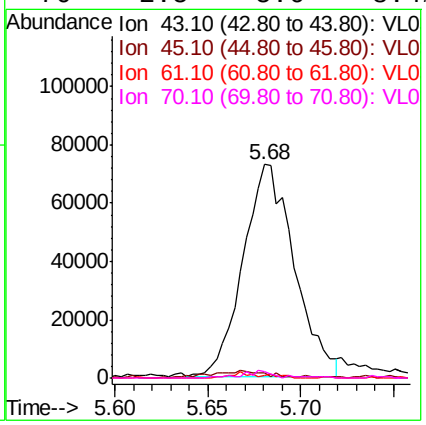


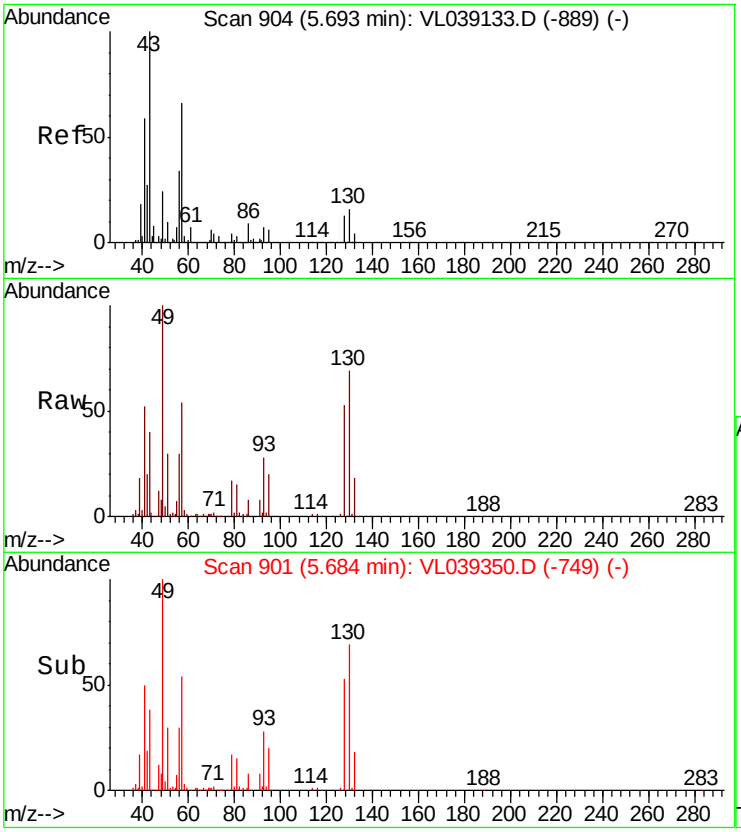


#25
Ethyl Acetate
Concen: 0.538 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 43 Resp: 140409

Ion	Ratio	Lower	Upper
43	100		
45	3.6	8.2	12.2#
61	1.8	8.4	12.6#
70	2.5	5.6	8.4#



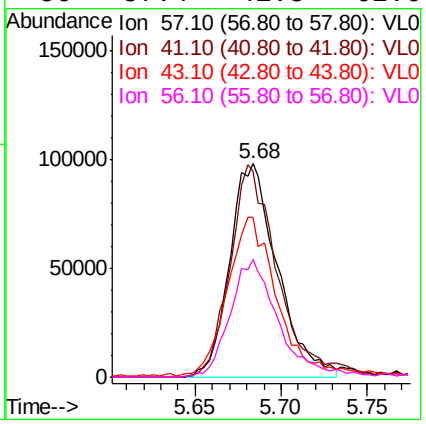


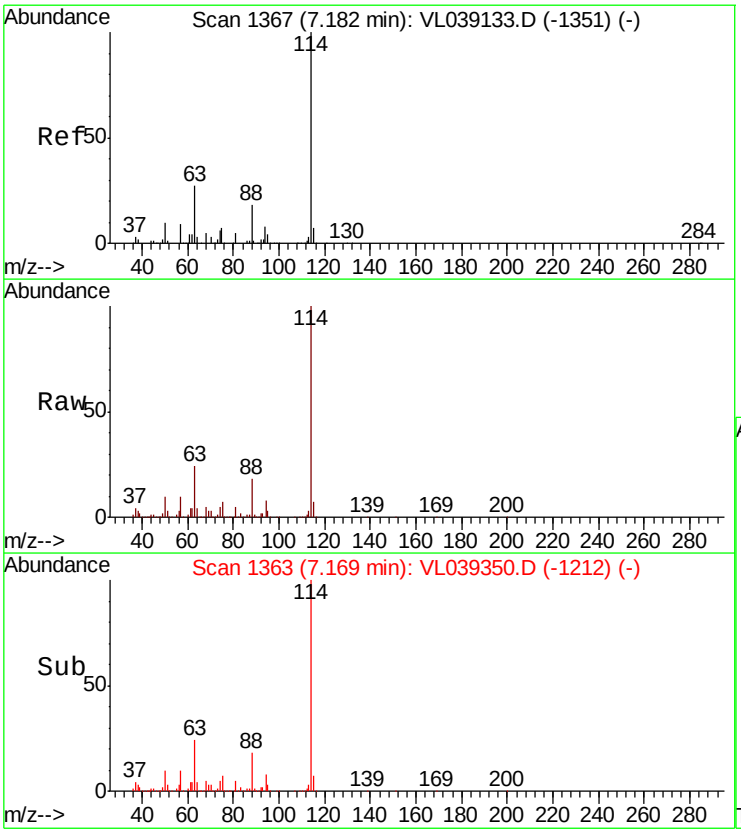
#26
Hexane
Concen: 1.630 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 57 Resp: 186958

Ion	Ratio	Lower	Upper
57	100		
41	103.5	72.4	108.6
43	79.1	187.0	280.6#
56	57.4	41.8	62.6

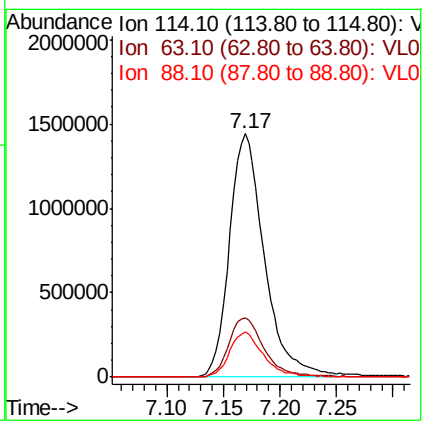


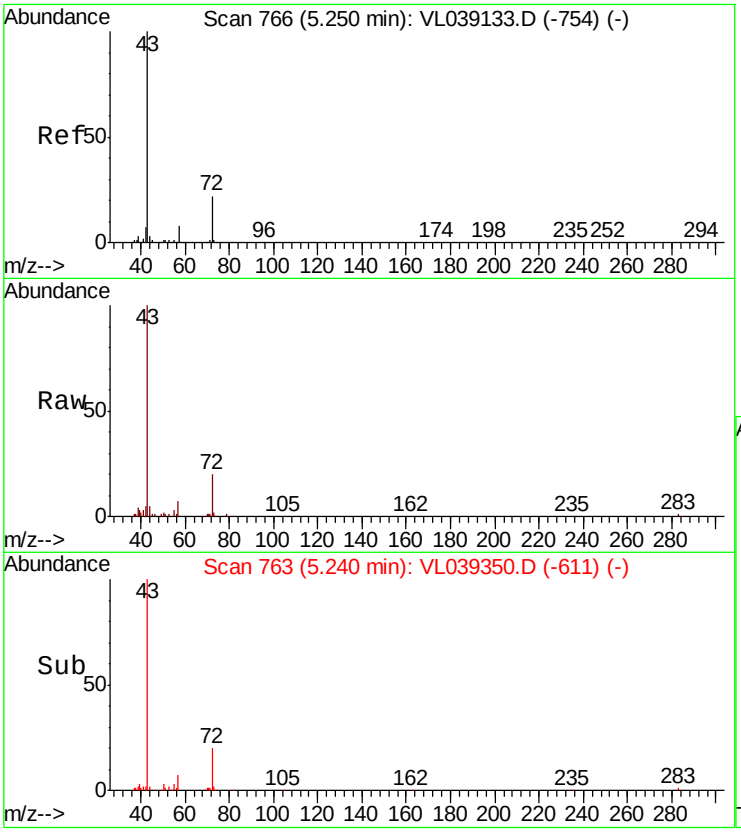


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion:114 Resp: 3102326

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.2	14.8	22.2



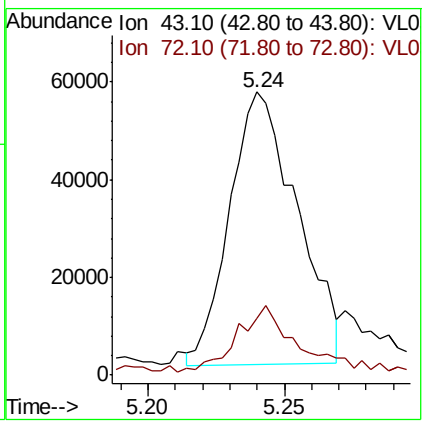


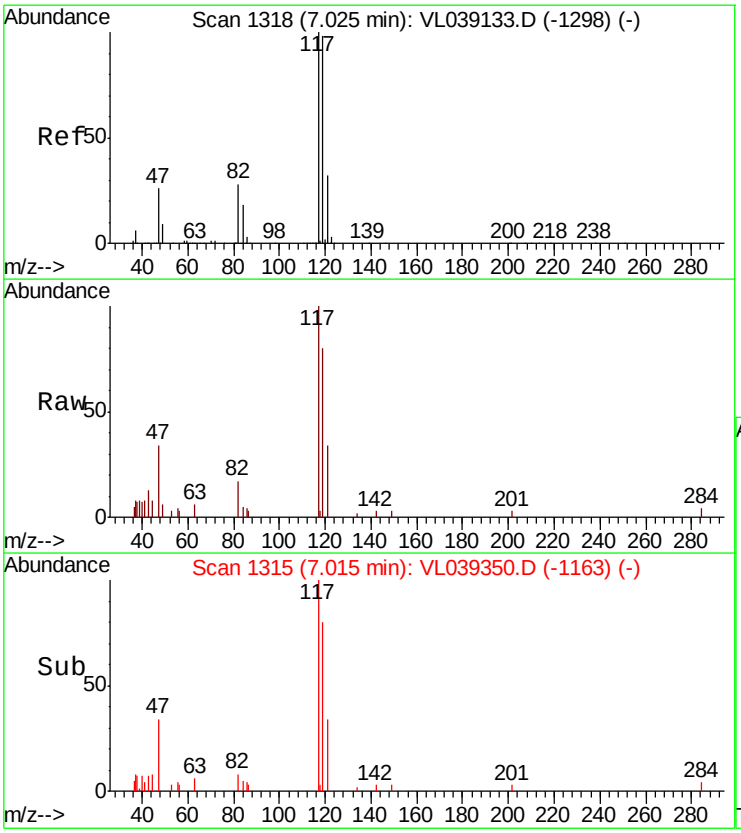
#34
2-Butanone
Concen: 0.571 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 43 Resp: 96245

Ion	Ratio	Lower	Upper
43	100		
72	27.2	18.2	27.2

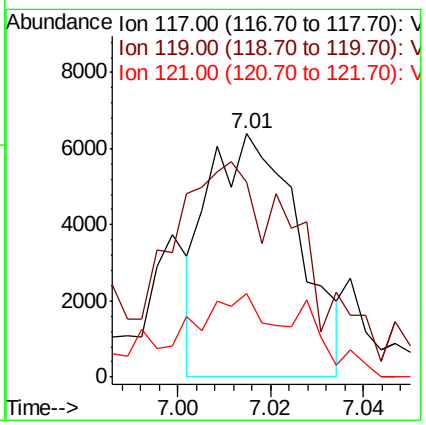


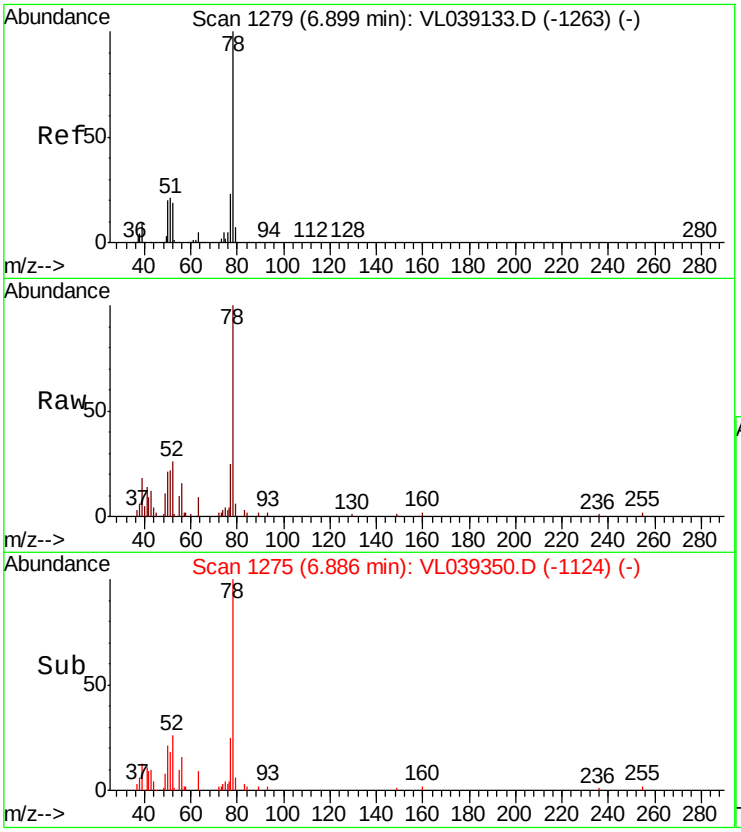


#35
Carbon Tetrachloride
Concen: 0.038 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion:117 Resp: 8640

Ion	Ratio	Lower	Upper
117	100		
119	63.0	78.6	118.0#
121	40.5	25.4	38.0#



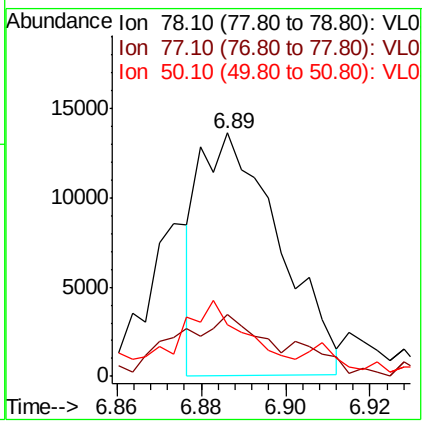


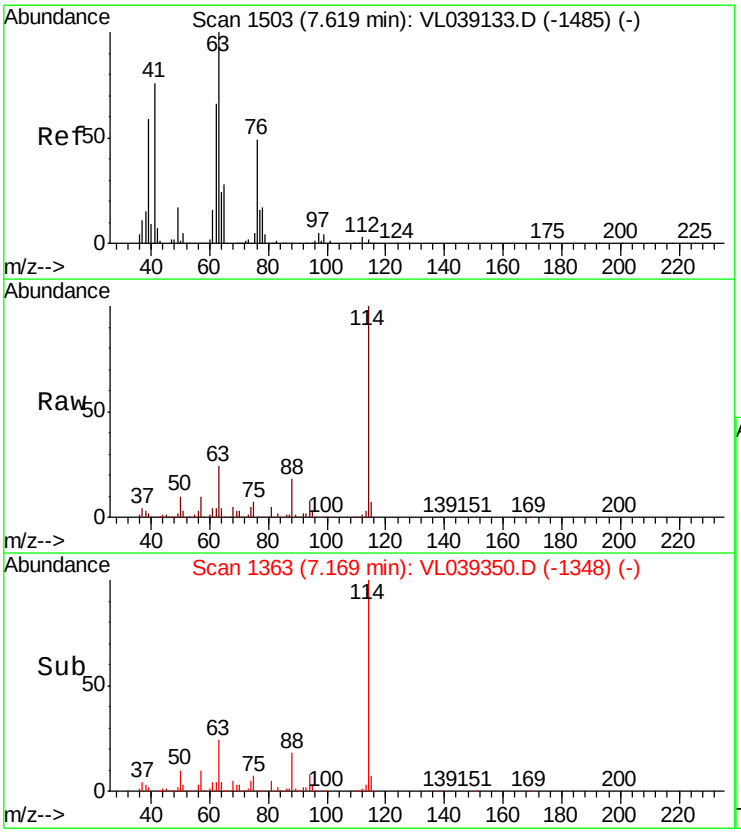
#36
Benzene
Concen: 0.071 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 78 Resp: 17765

Ion	Ratio	Lower	Upper
78	100		
77	19.8	18.6	27.8
50	10.8	15.8	23.8#

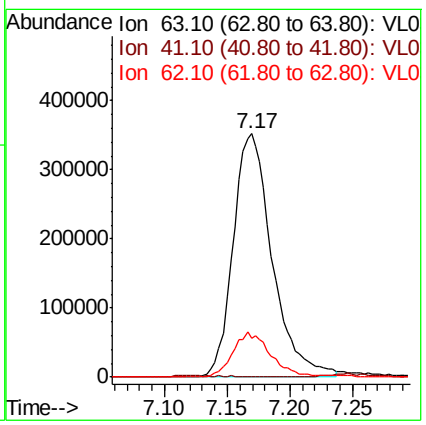


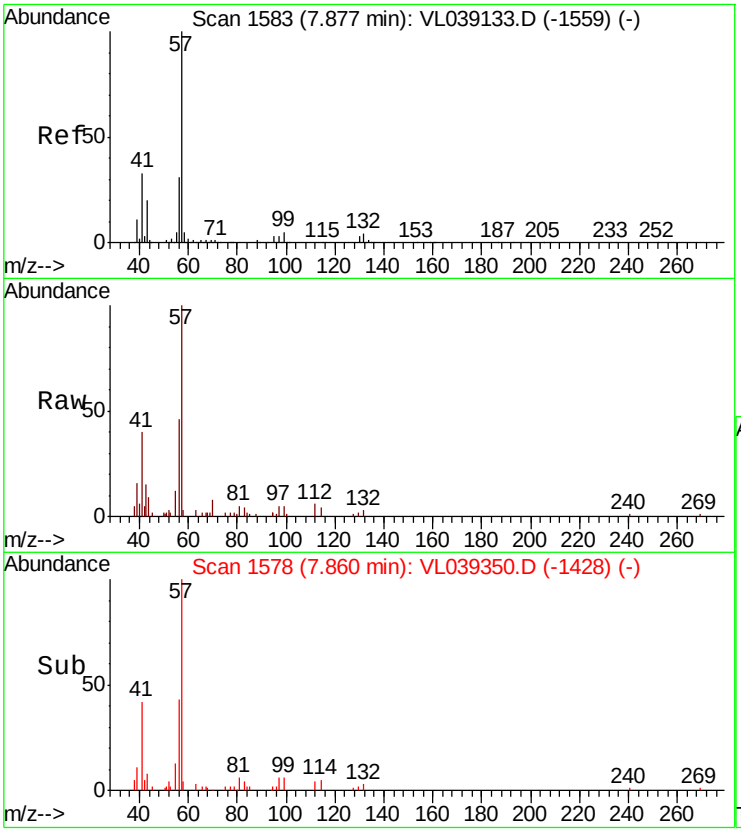


#39
1,2-Dichloropropane
Concen: 7.599 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.45 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 63 Resp: 761235

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	16.1	52.9	79.3#



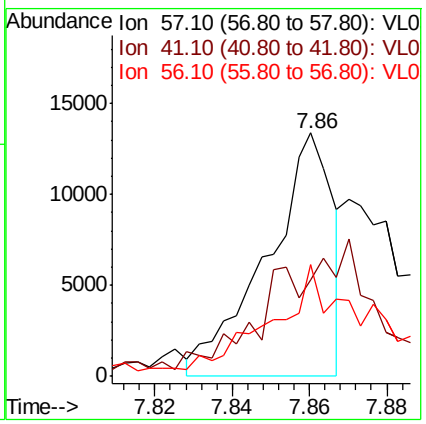


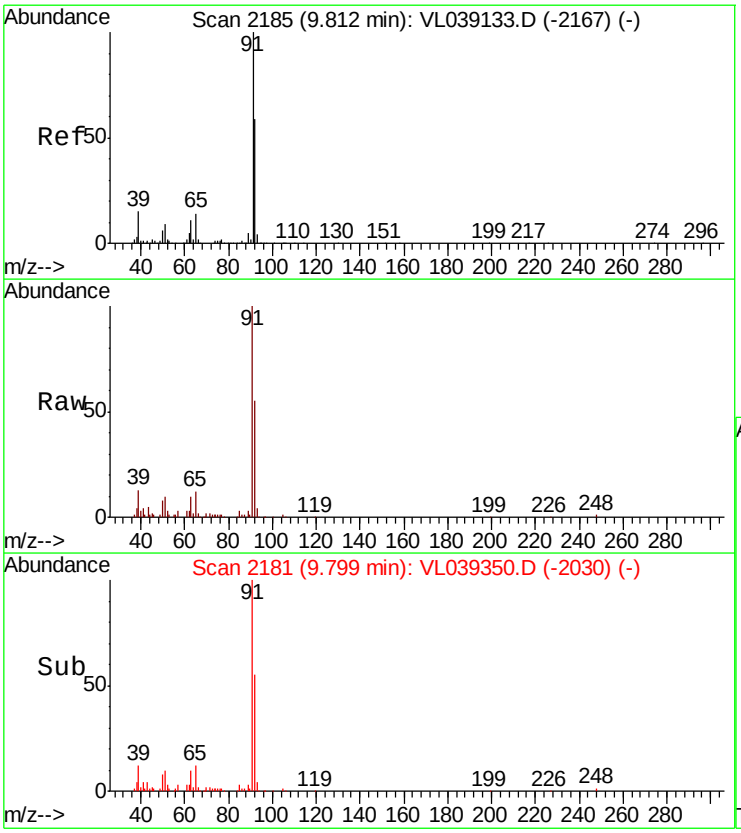
#44
2,2,4-Trimethylpentane
Concen: 0.036 ppbv
RT: 7.86
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion: 57 Resp: 15871

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.2	39.4#
56	80.9	24.7	37.1#

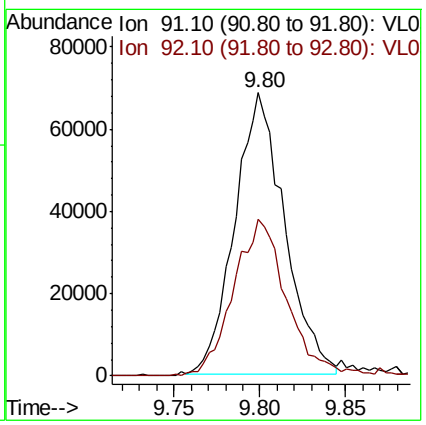


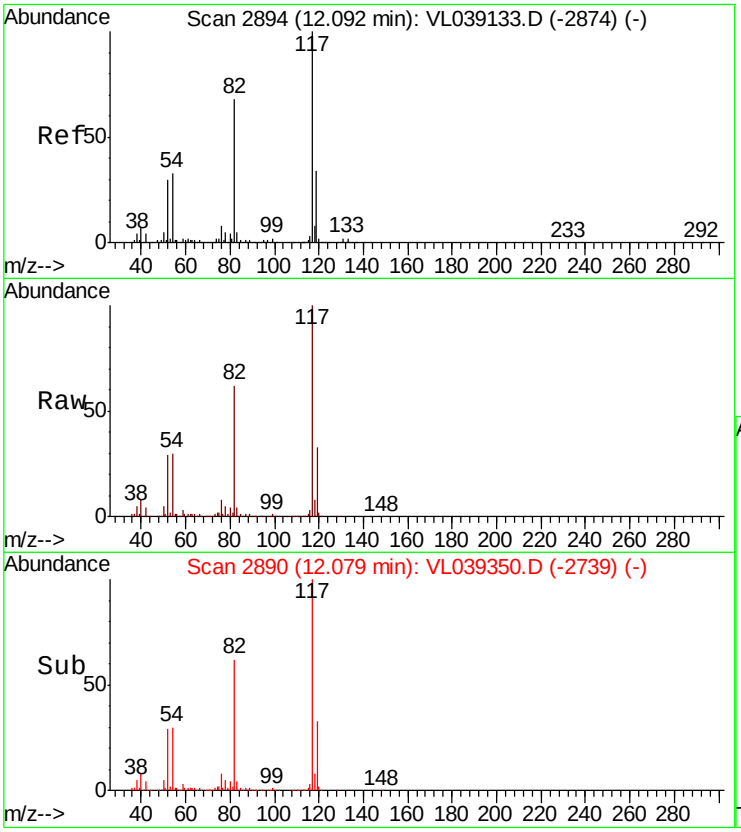


#53
Toluene
Concen: 0.476 ppbv
RT: 9.80 min Scan# 2181
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 91 Resp: 137978

Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.1	72.1



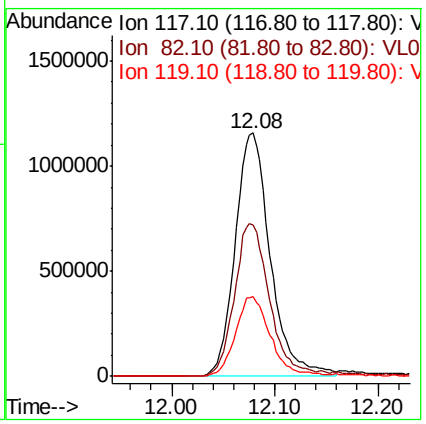


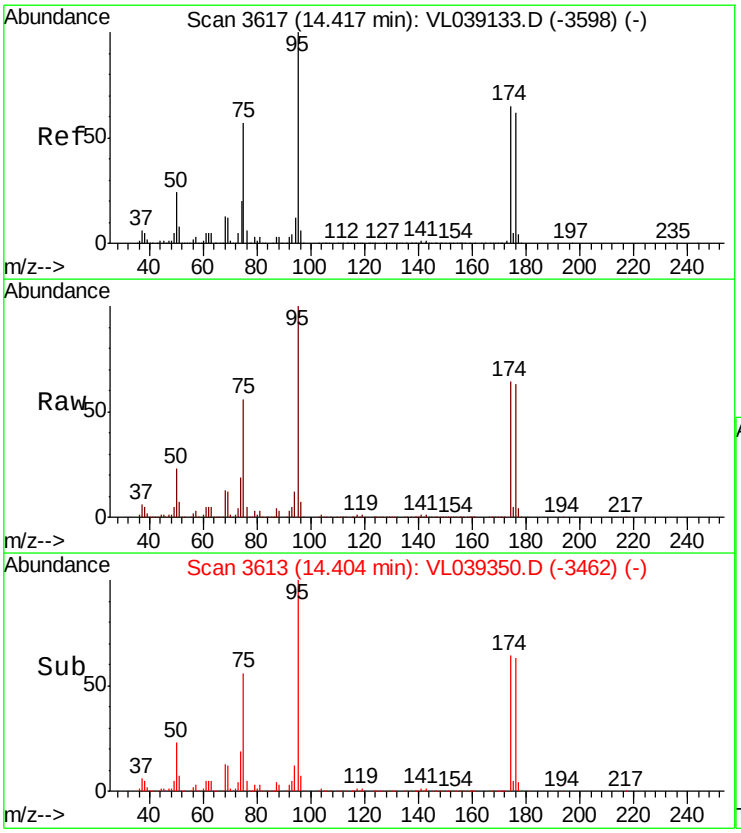
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08
Delta R.T
Lab File:
Acq: 24 Jun 2022 21:05

Instrument :
MSVOA_L
ClientSampleId :
IA-4

Tgt Ion:117 Resp: 2749062

Ion	Ratio	Lower	Upper
117	100		
82	64.1	55.1	82.7
119	33.9	24.7	37.1





#68
1-Bromo-4-Fluorobenzene
Concen: 9.152 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.01 min
Lab File: VL039350.D
Acq: 24 Jun 2022 21:05

Tgt Ion: 95 Resp: 2079901

Ion	Ratio	Lower	Upper
95	100		
174	70.4	53.8	80.8
175	4.9	4.1	6.1