Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039312.D
Acq On : 16 Jun 2022 2:03
Operator : SY/AP
Sample : N3338-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA1

Quant Time: Jun 16 04:38:01 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	5.65	49	1167062	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	3244834	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	2818102	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2252816	9.67	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	46340	0.226	ppbv		98
3) Chlorodifluoromethane	2.99	51	99928	0.673	ppbv	#	81
4) Chloromethane	3.13	50	36017	0.472	ppbv		91
9) Propene	3.01	41	64512	0.996	ppbv	#	81
10) Heptane	8.10	43	14160	0.094	ppbv	#	28
11) Trichlorofluoromethane	3.94	101	23152	0.125	ppbv		93
13) Ethanol	3.59	45	336624	95.330	ppbv	#	100
15) Acetone	3.84	43	670783	5.518	ppbv	#	88
16) 1,3-Butadiene	3.32	39	3946	0.060	ppbv	#	49
19) Isopropyl Alcohol	3.96	45	131632	2.309	ppbv	#	1
20) Methylene Chloride	4.34	84	191270	3.733	ppbv		91
21) Allyl Chloride	4.37	41	2477	0.030	ppbv	#	1
23) Vinyl Acetate	5.05	43	77552	0.771	ppbv	#	1
25) Ethyl Acetate	5.68	43	194810	0.711	ppbv	#	84
26) Hexane	5.67	57	246997	2.051	ppbv	#	42
30) Cyclohexane	7.12	84	8961	0.089	ppbv	#	1
34) 2-Butanone	5.24	43	71657	0.406	ppbv		93
36) Benzene	6.87	78	99733	0.379	ppbv	#	92
39) 1,2-Dichloropropane	7.16	63	806691	7.699	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.86	57	107956	0.234	ppbv	#	76
53) Toluene	9.79	91	261357	0.862	ppbv		98
58) Ethyl Benzene	12.69	91	33982	0.088	ppbv		99
59) m/p-Xylene	12.95	91	73944	0.216	ppbv	#	54
60) o-Xylene	13.67	91	10082	0.031	ppbv	#	1

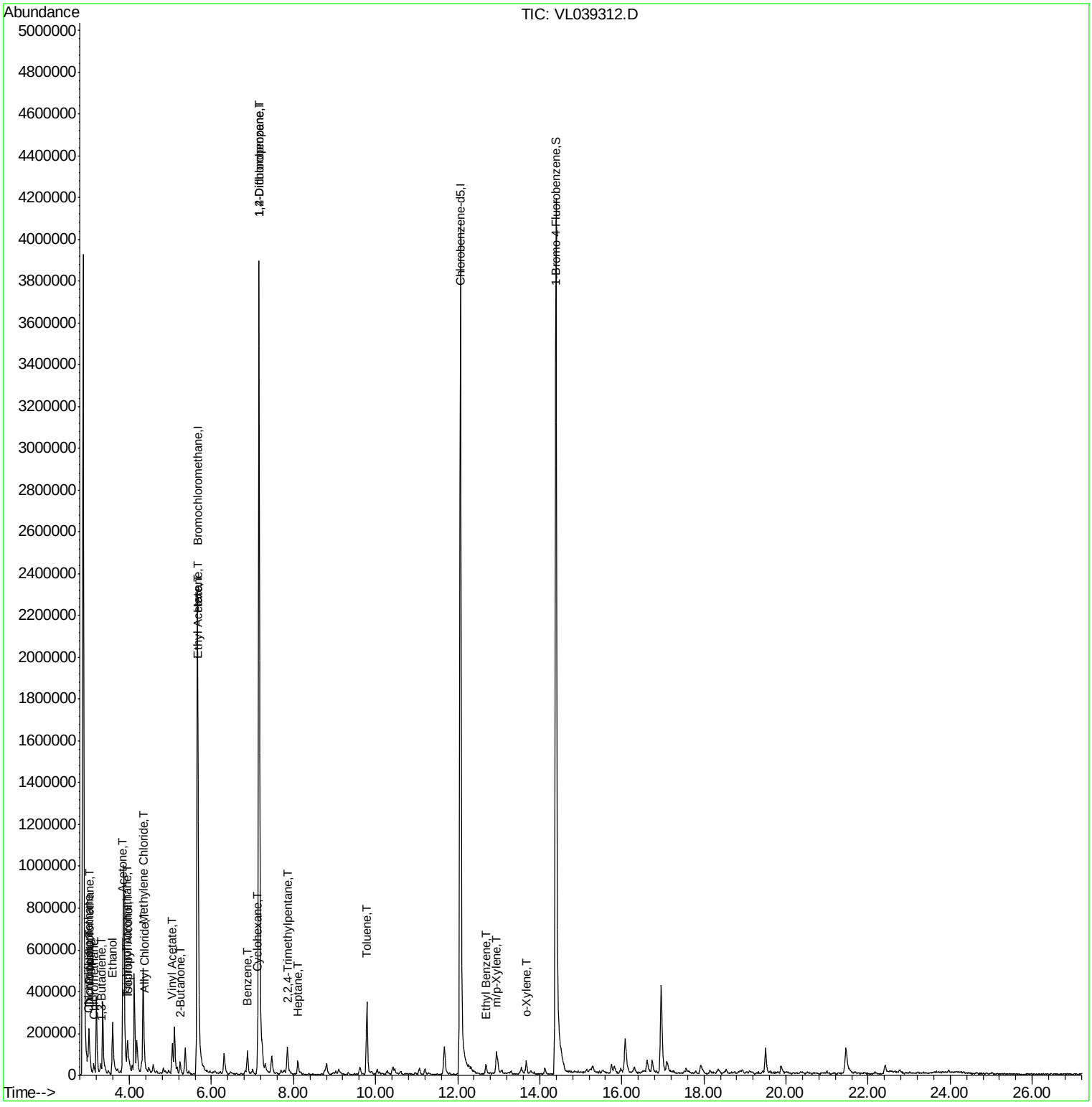
(#) = qualifier out of range (m) = manual integration (+) = signals summed

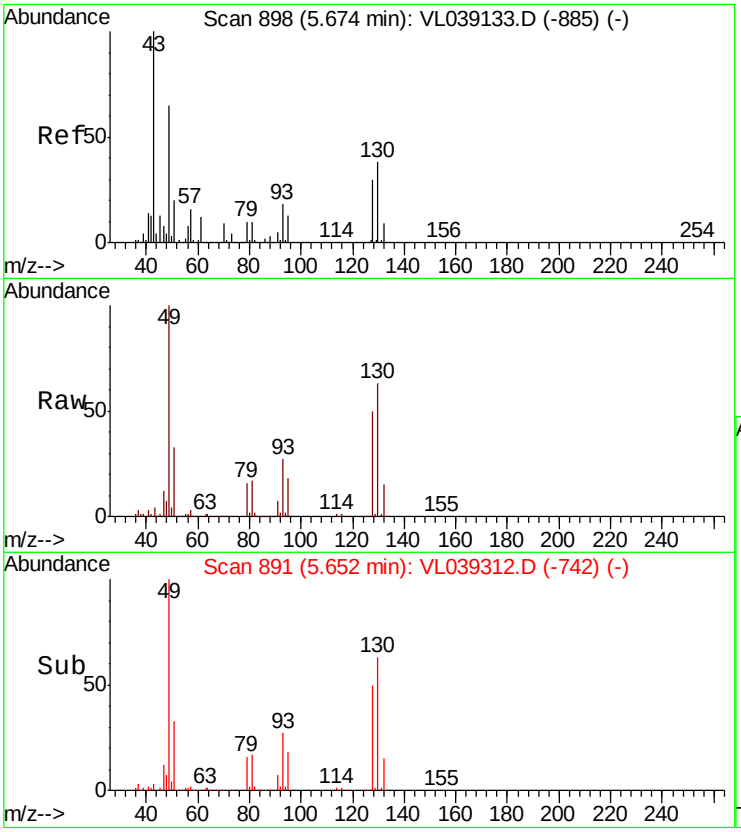
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL061522\
Data File : VL039312.D
Acq On : 16 Jun 2022 2:03
Operator : SY/AP
Sample : N3338-03
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Jun 16 04:38:01 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



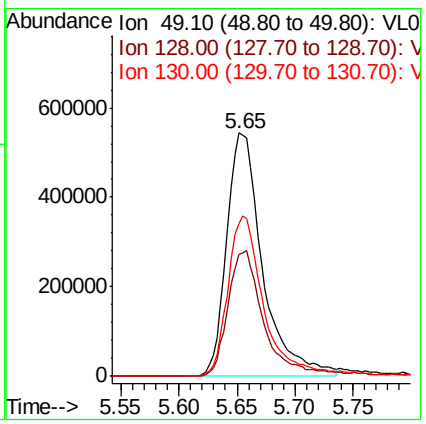


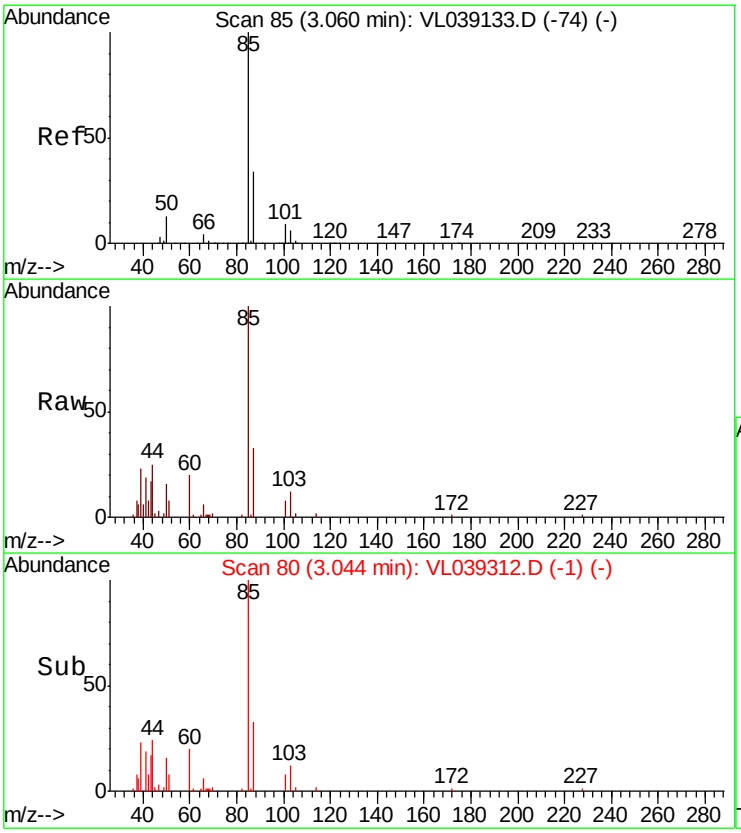
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 49 Resp: 1167062

Ion	Ratio	Lower	Upper
49	100		
128	52.5	24.7	74.1
130	67.7	31.4	94.0

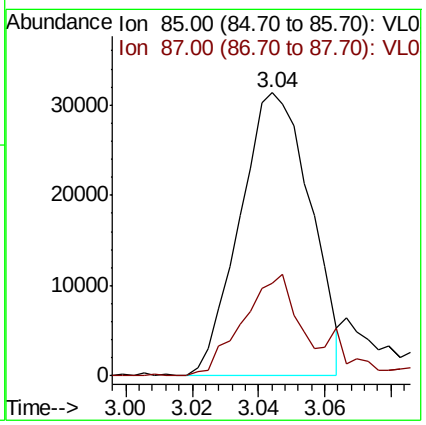


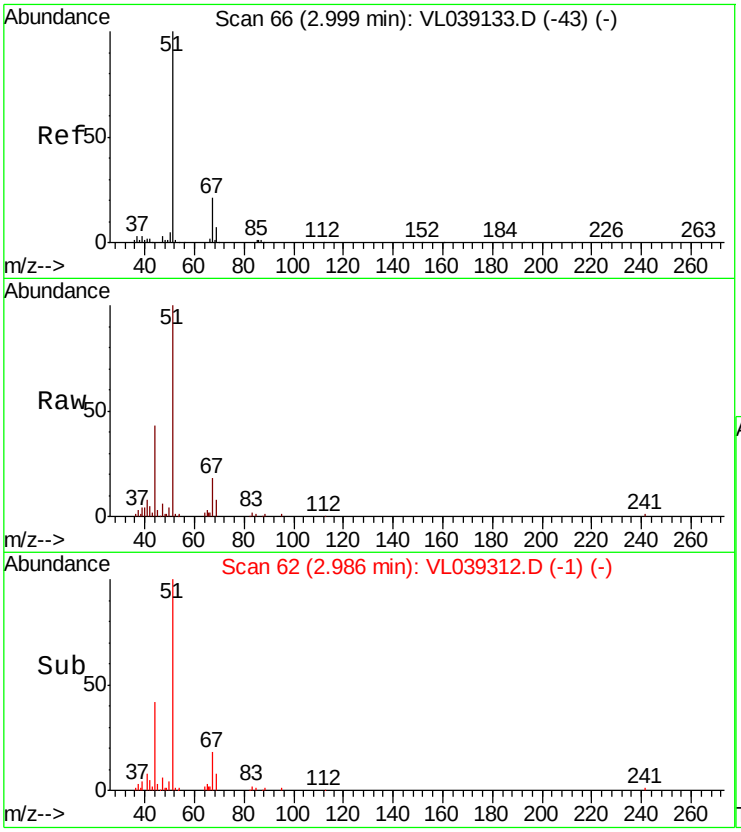


#2
Dichlorodifluoromethane
Concen: 0.226 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 85 Resp: 46340

Ion	Ratio	Lower	Upper
85	100		
87	32.7	26.9	40.3



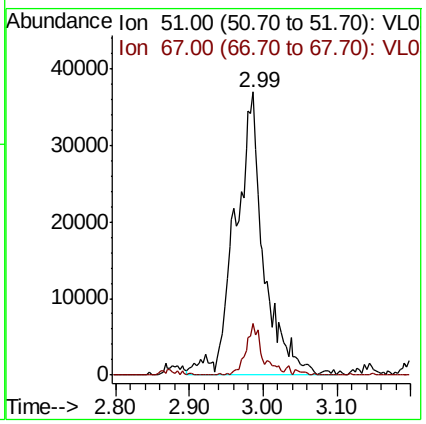


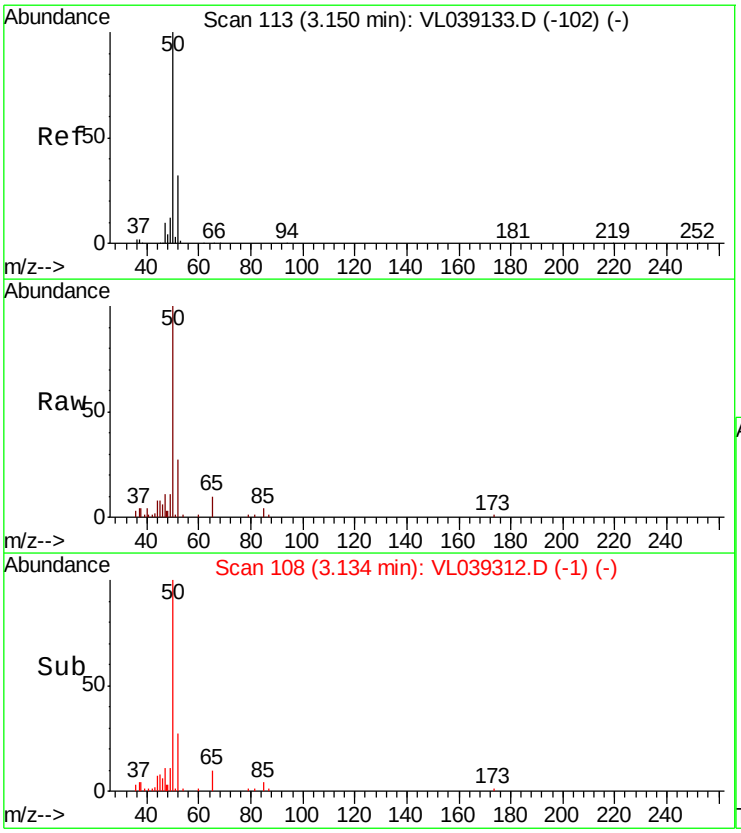
#3
Chlorodifluoromethane
Concen: 0.673 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 51 Resp: 99928

Ion	Ratio	Lower	Upper
51	100		
67	11.5	16.2	24.4#

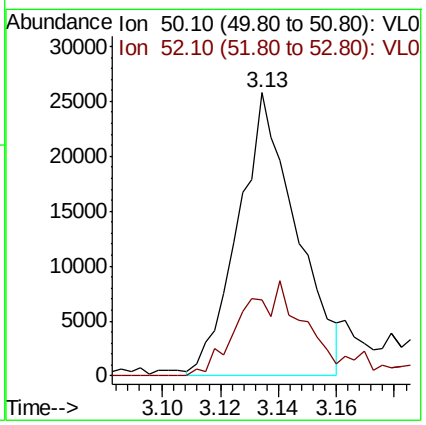


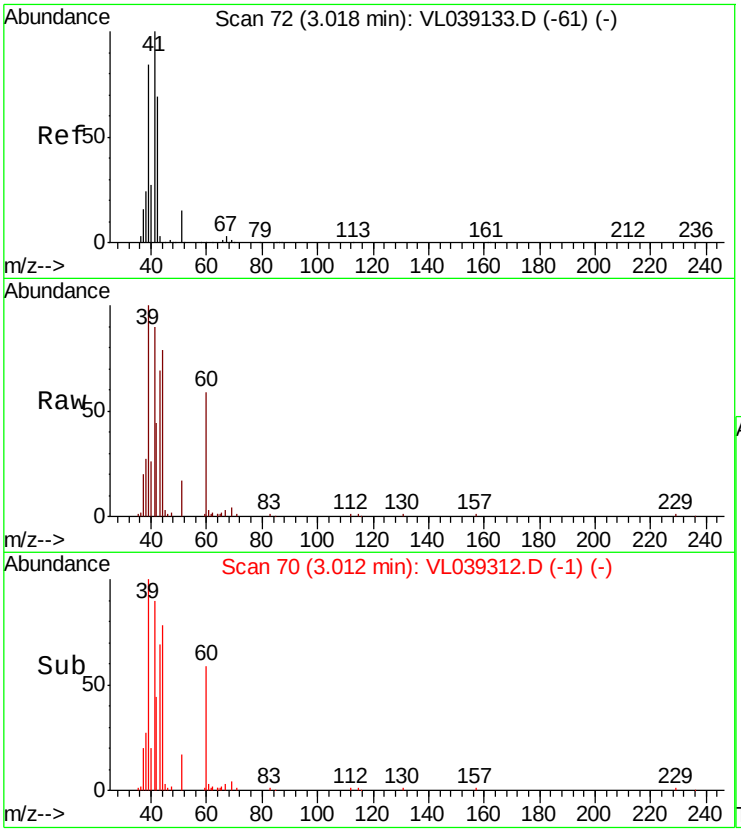


#4
Chloromethane
Concen: 0.472 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 50 Resp: 36017

Ion	Ratio	Lower	Upper
50	100		
52	27.2	25.9	38.9



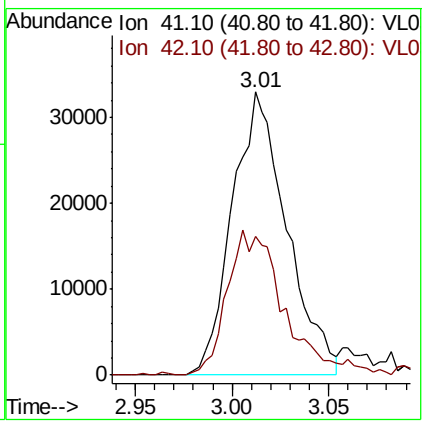


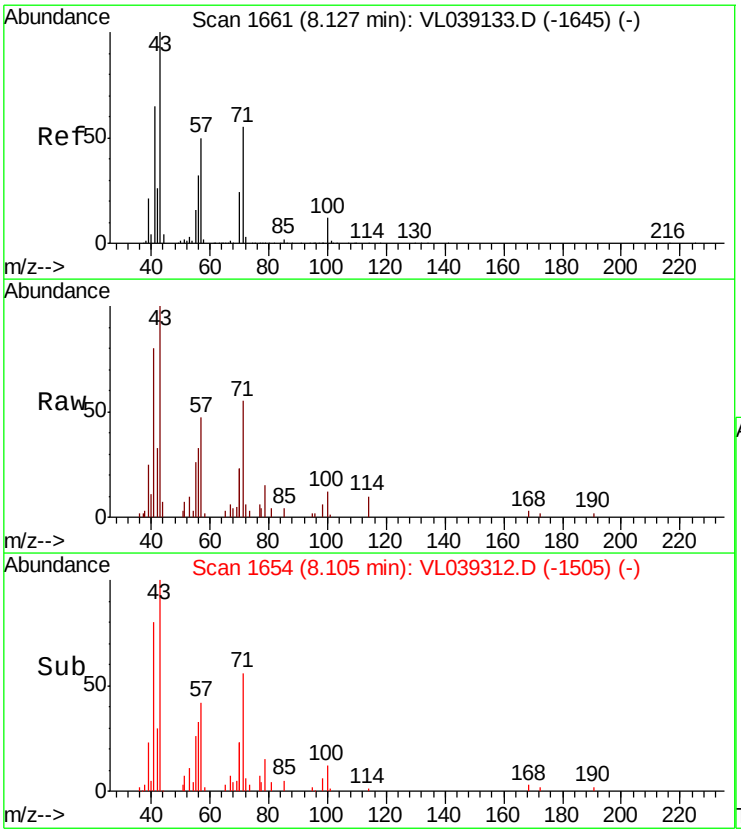
#9
Propene
Concen: 0.996 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 64512

Ion	Ratio	Lower	Upper
41	100		
42	53.7	55.4	83.2#

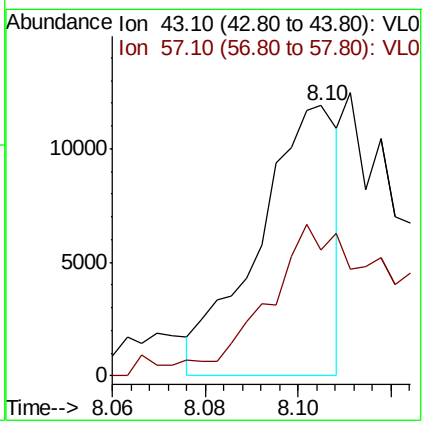


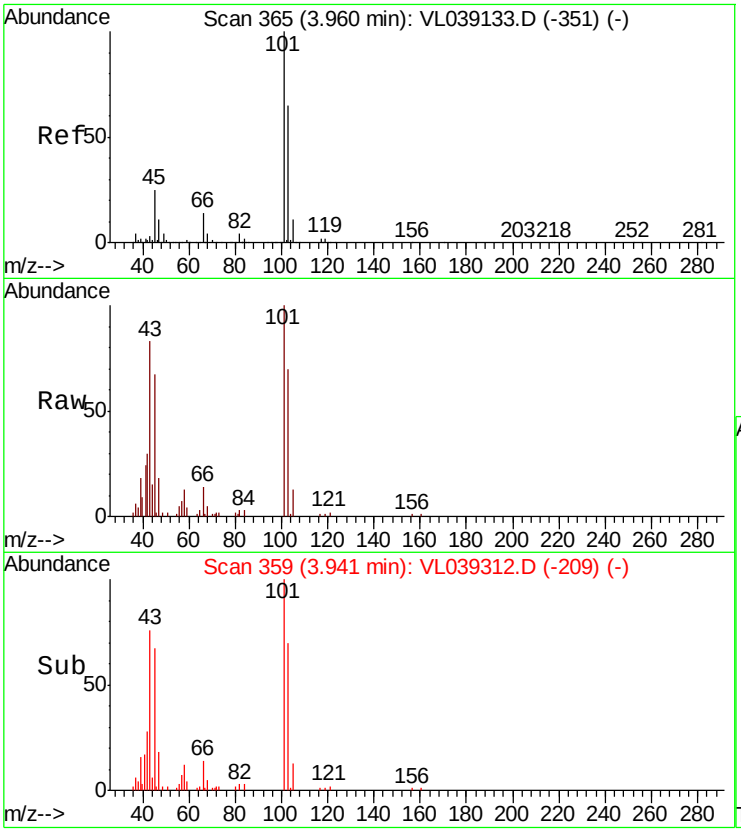


#10
Heptane
Concen: 0.094 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 43 Resp: 14160

Ion	Ratio	Lower	Upper
43	100		
57	102.0	41.4	62.2#



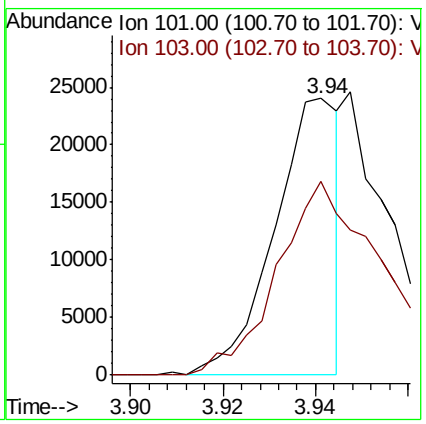


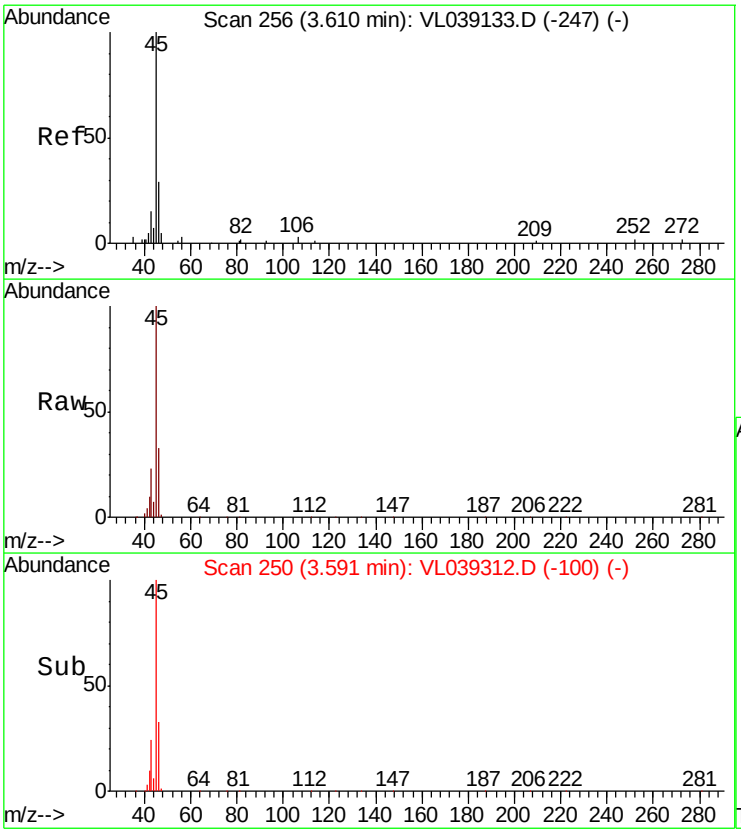
#11
Trichlorofluoromethane
Concen: 0.125 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion:101 Resp: 23152

Ion	Ratio	Lower	Upper
101	100		
103	69.9	51.7	77.5

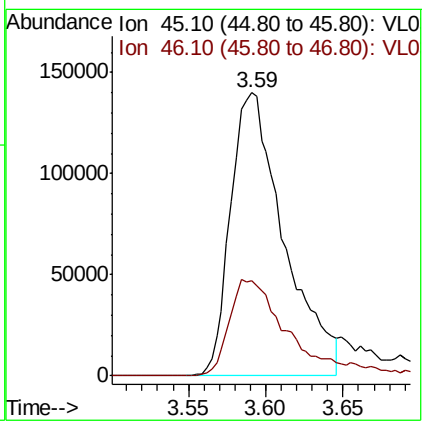


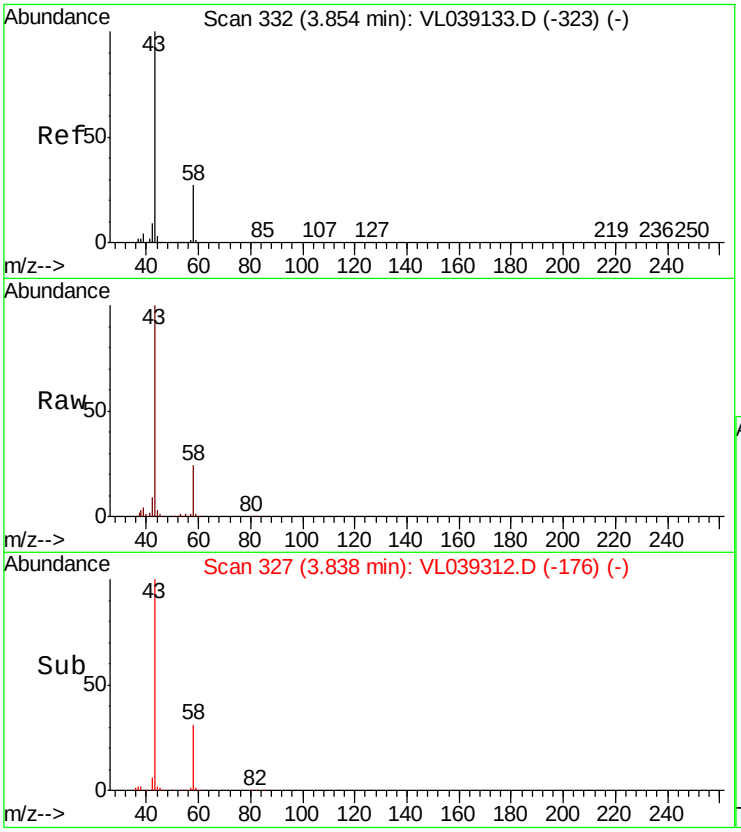


#13
Ethanol
Concen: 95.330 ppbv
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 45 Resp: 336624

Ion	Ratio	Lower	Upper
45	100		
46	39.8	0.0	0.0#



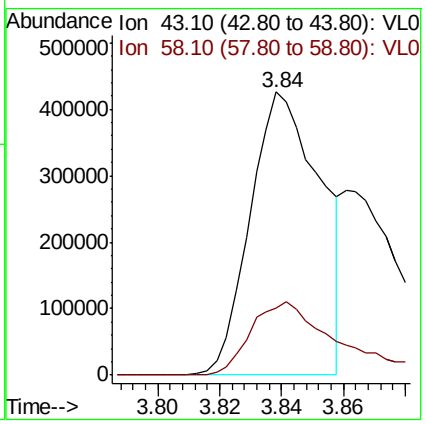


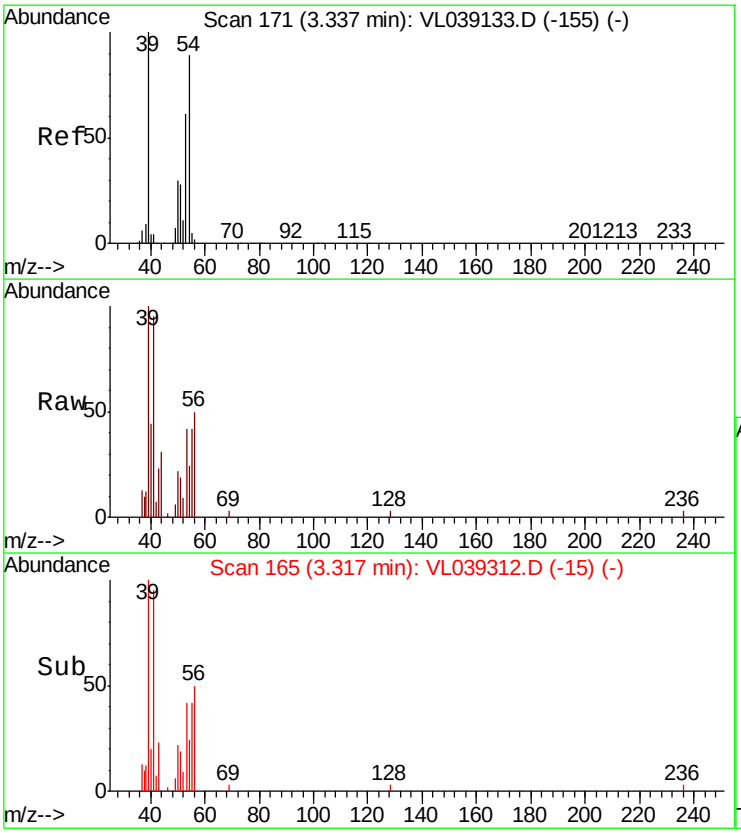
#15
Acetone
Concen: 5.518 ppbv
RT: 3.84
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 670783

Ion	Ratio	Lower	Upper
43	100		
58	34.5	22.5	33.7#

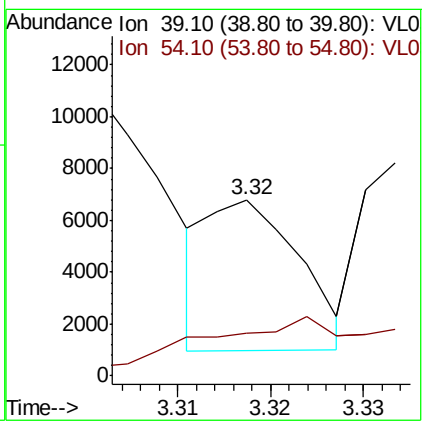


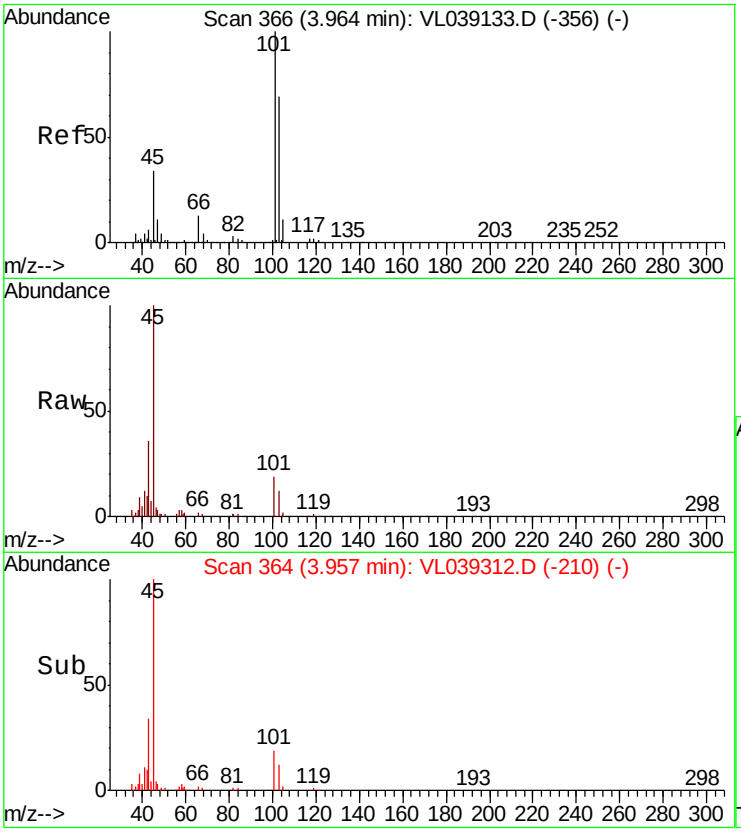


#16
1,3-Butadiene
Concen: 0.060 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 39 Resp: 3946

Ion	Ratio	Lower	Upper
39	100		
54	128.1	65.8	98.6#



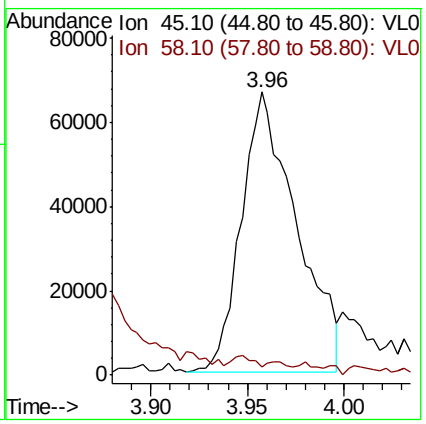


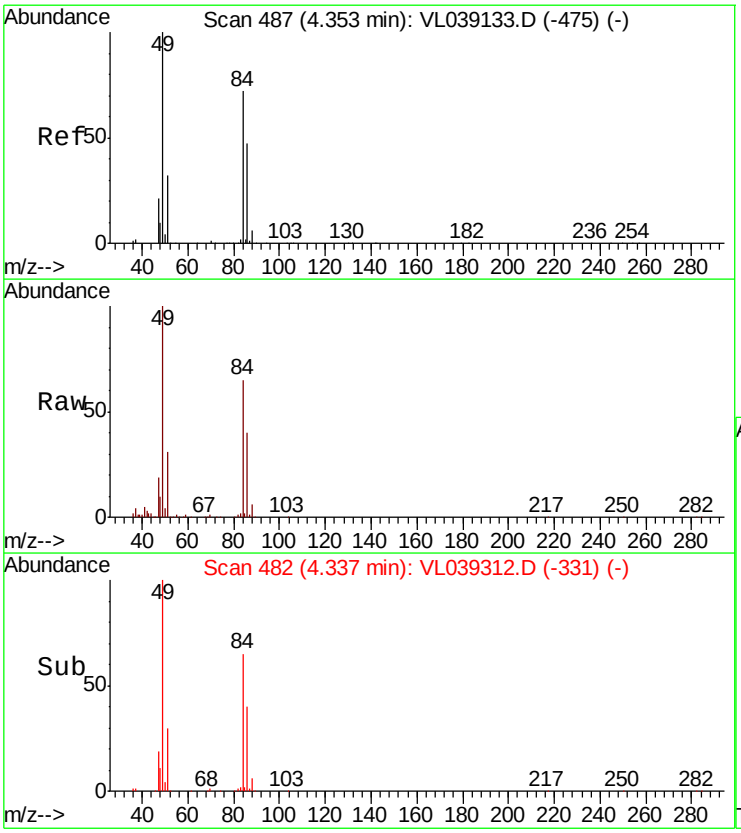
#19
Isopropyl Alcohol
Concen: 2.309 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 131632

Ion	Ratio	Lower	Upper
45	100		
58	183.0	1.8	2.8#

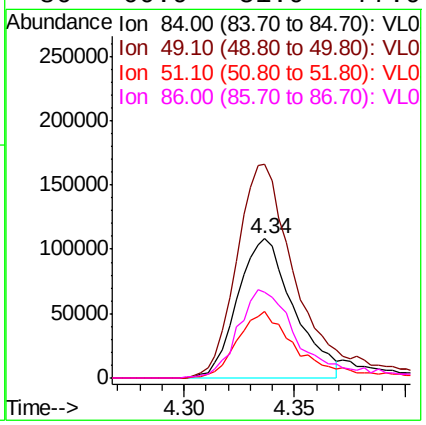


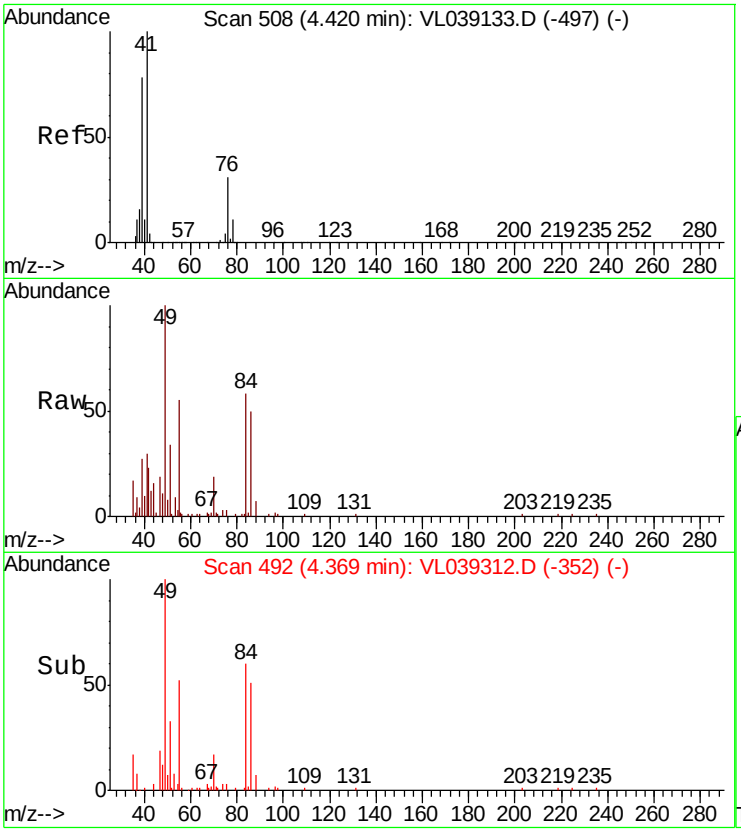


#20
Methylene Chloride
Concen: 3.733 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 84 Resp: 191270

Ion	Ratio	Lower	Upper
84	100		
49	153.4	111.1	166.7
51	47.8	35.3	52.9
86	60.9	51.9	77.9



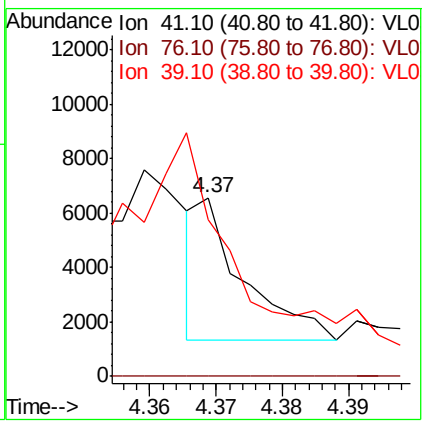


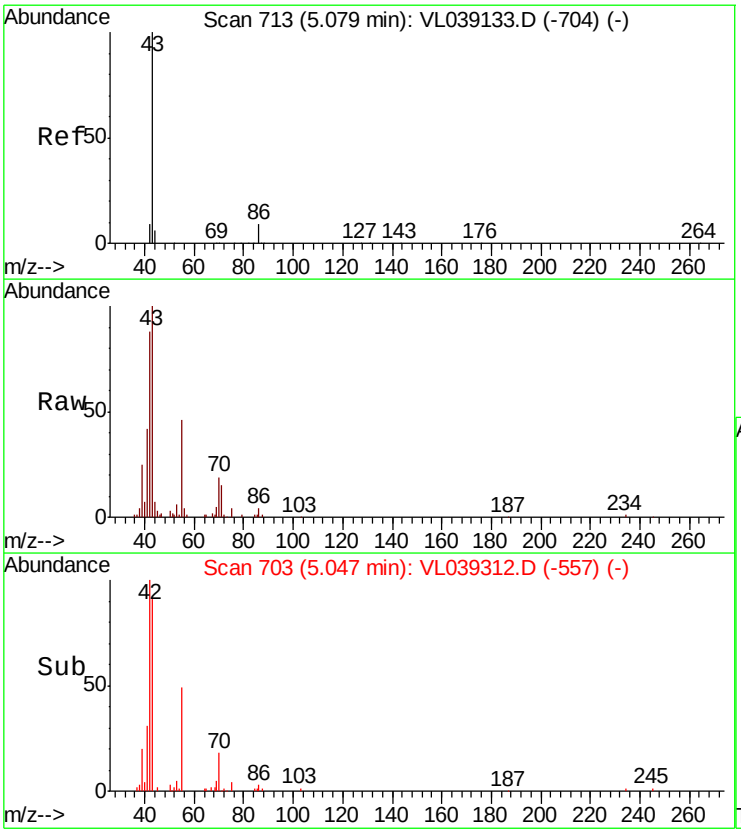
#21
Allyl Chloride
Concen: 0.030 ppbv
RT: 4.37
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 2477

Ion	Ratio	Lower	Upper
41	100		
76	1.4	24.2	36.2#
39	573.0	62.2	93.2#

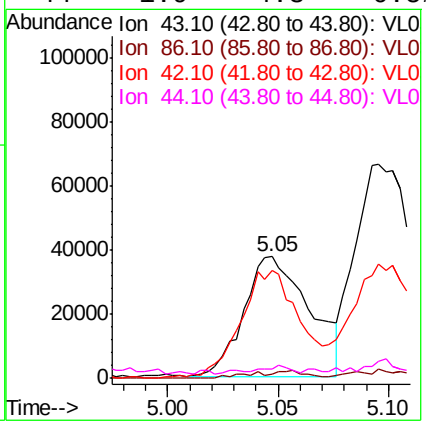


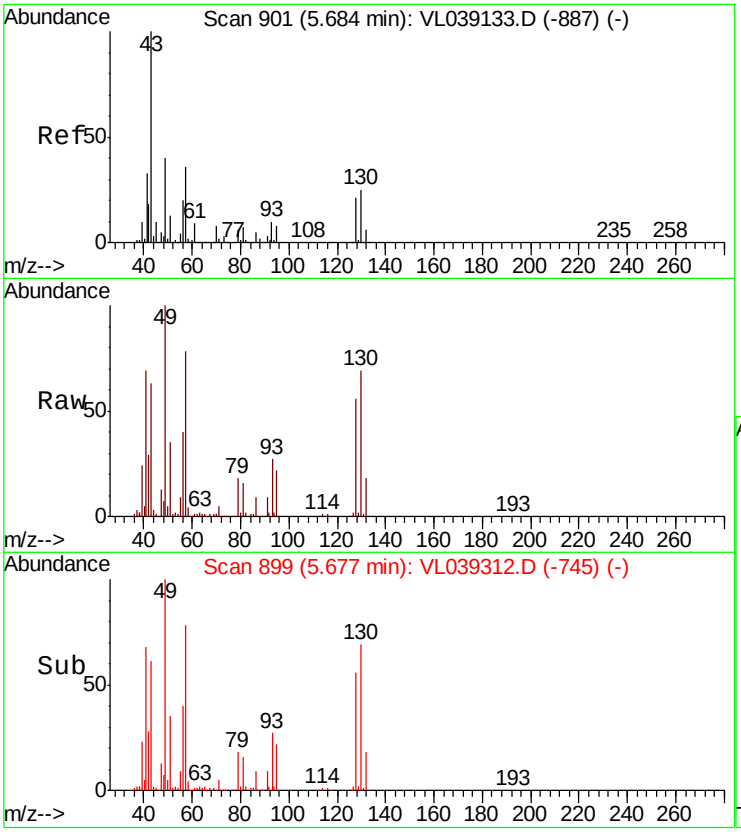


#23
Vinyl Acetate
Concen: 0.771 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.03 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 43 Resp: 77552

Ion	Ratio	Lower	Upper
43	100		
86	3.7	6.0	9.0#
42	88.4	8.2	12.4#
44	1.9	4.3	6.5#



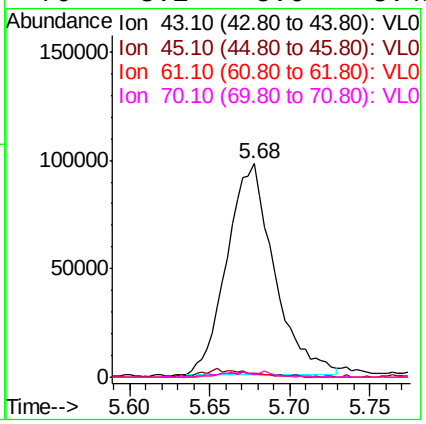


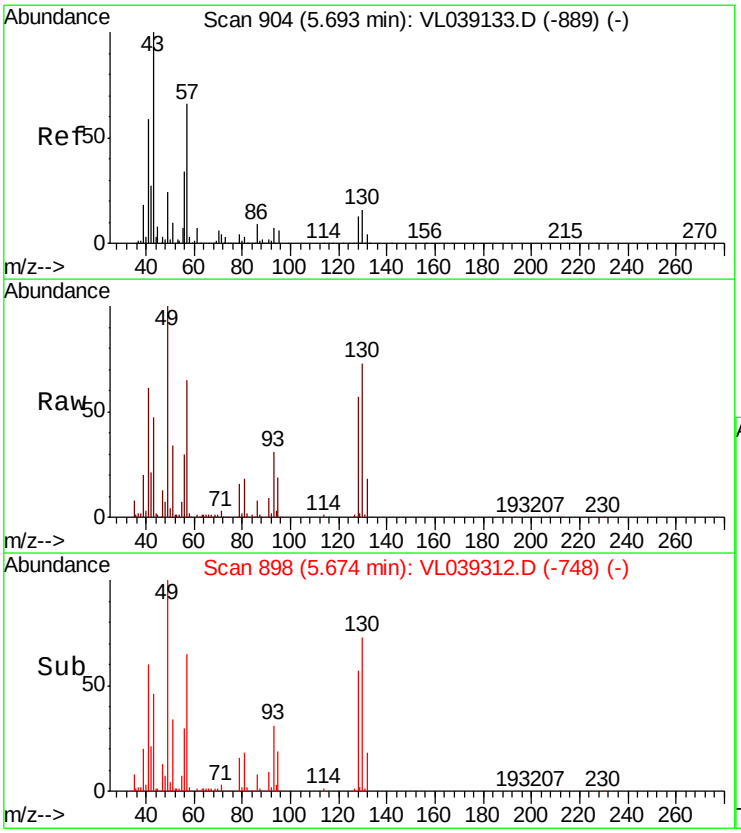
#25
Ethyl Acetate
Concen: 0.711 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 194810

Ion	Ratio	Lower	Upper
43	100		
45	4.9	8.2	12.2#
61	2.4	8.4	12.6#
70	3.1	5.6	8.4#

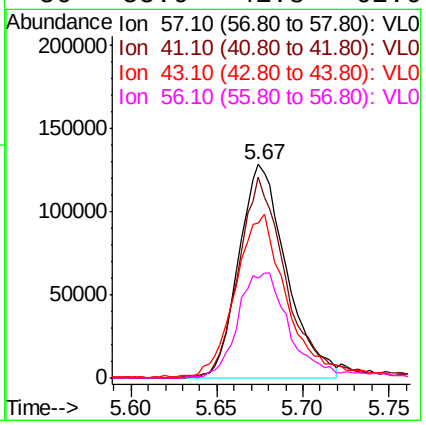


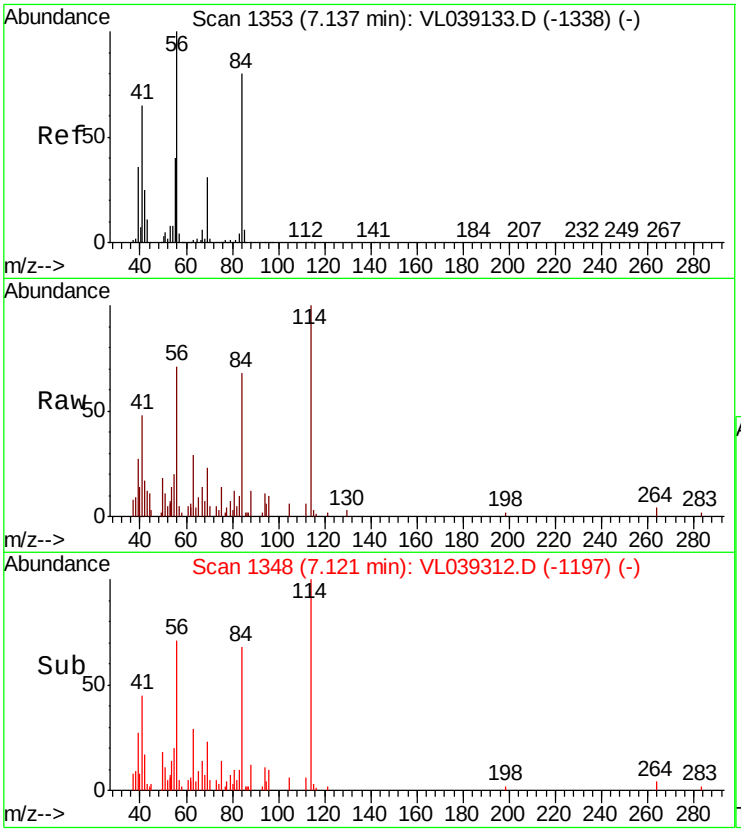


#26
Hexane
Concen: 2.051 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 57 Resp: 246997

Ion	Ratio	Lower	Upper
57	100		
41	97.4	72.4	108.6
43	83.8	187.0	280.6#
56	55.6	41.8	62.6



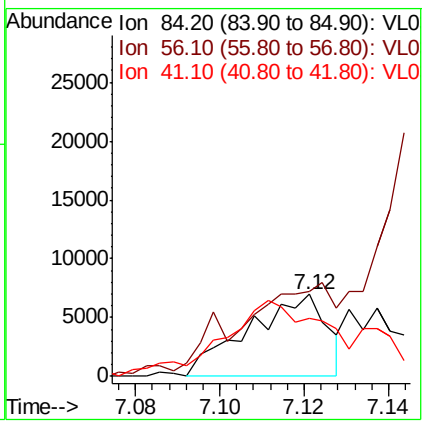


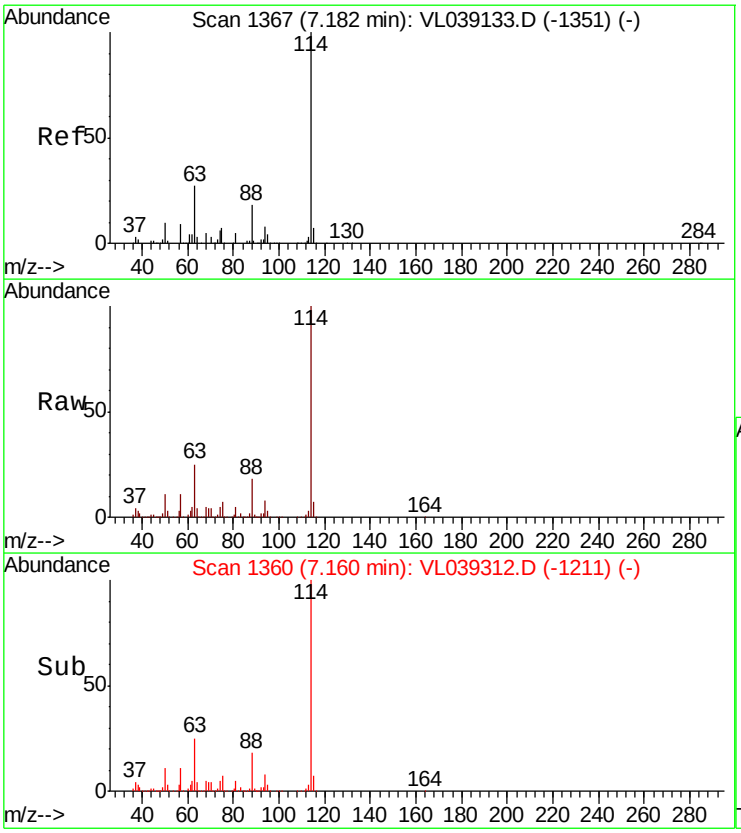
#30
Cyclohexane
Concen: 0.089 ppbv
RT: 7.12
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 84 Resp: 8961

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	163.2	68.9	103.3#

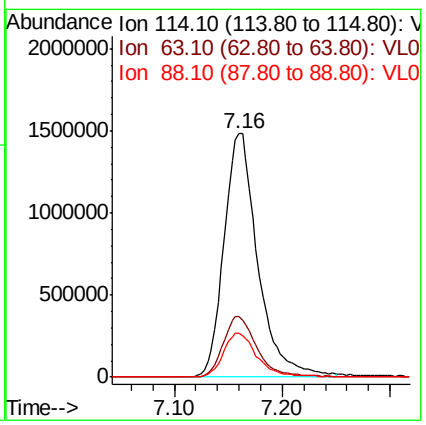


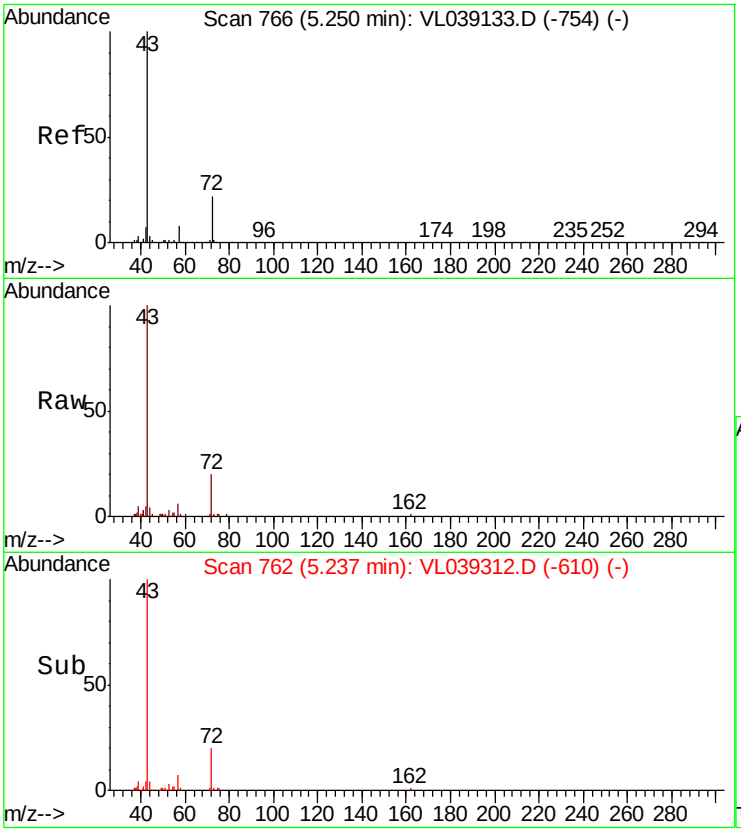


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion:114 Resp: 3244834

Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	18.3	14.8	22.2



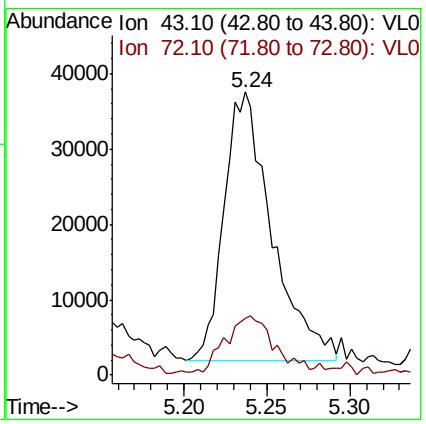


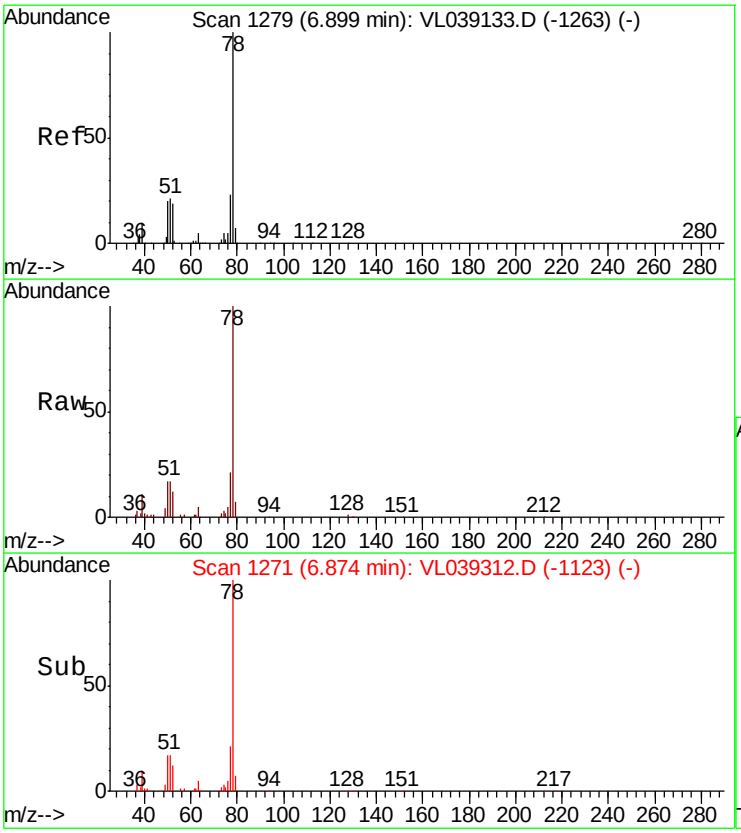
#34
2-Butanone
Concen: 0.406 ppbv
RT: 5.24
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 71657

Ion	Ratio	Lower	Upper
43	100		
72	26.0	18.2	27.2

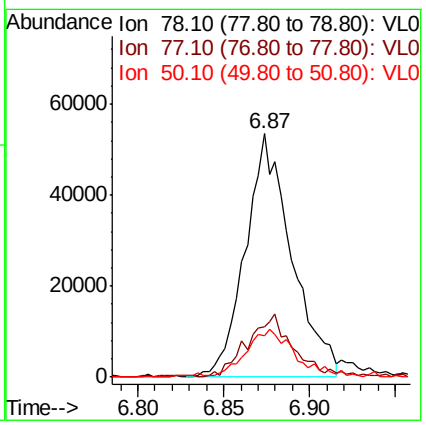


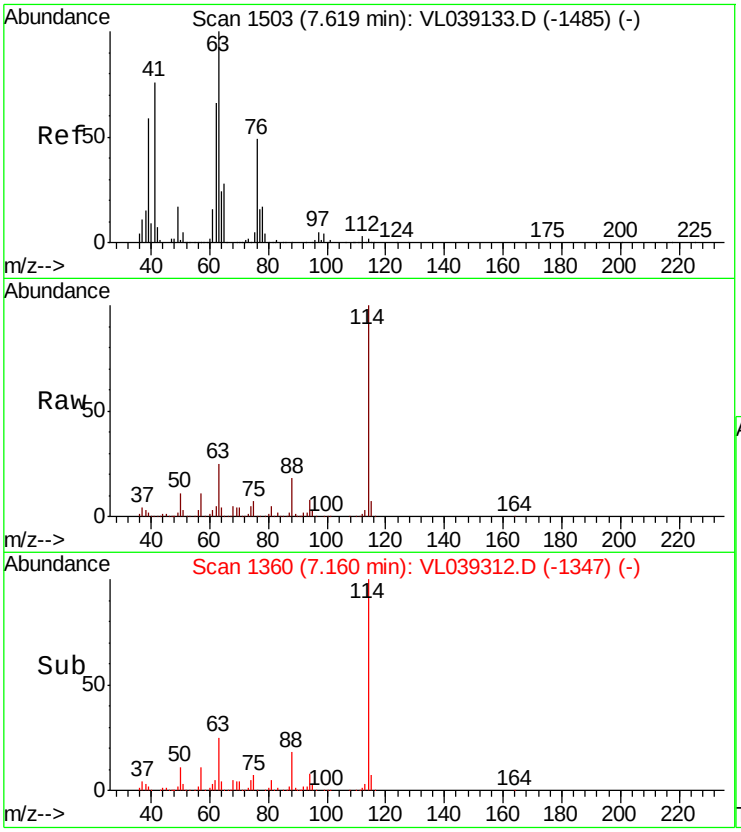


#36
Benzene
Concen: 0.379 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.03 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 78 Resp: 99733

Ion	Ratio	Lower	Upper
78	100		
77	20.1	18.6	27.8
50	15.7	15.8	23.8#



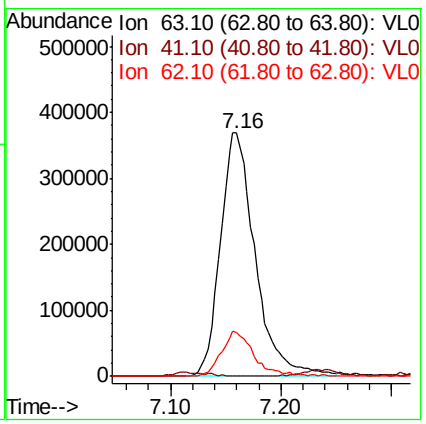


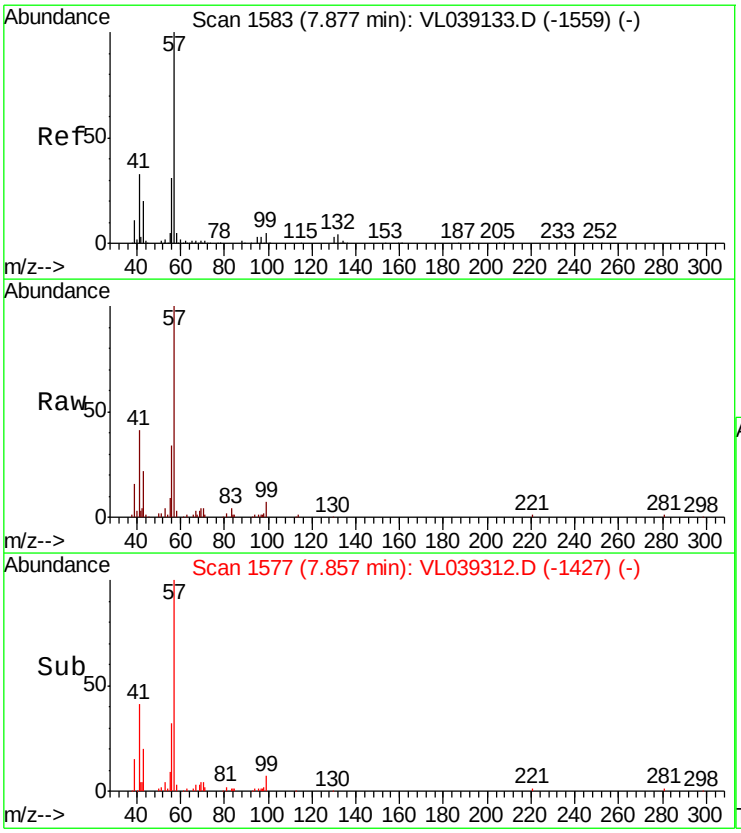
#39
1,2-Dichloropropane
Concen: 7.699 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 63 Resp: 806691

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	18.0	52.9	79.3#

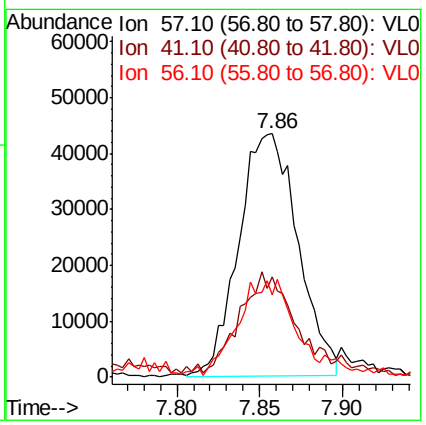


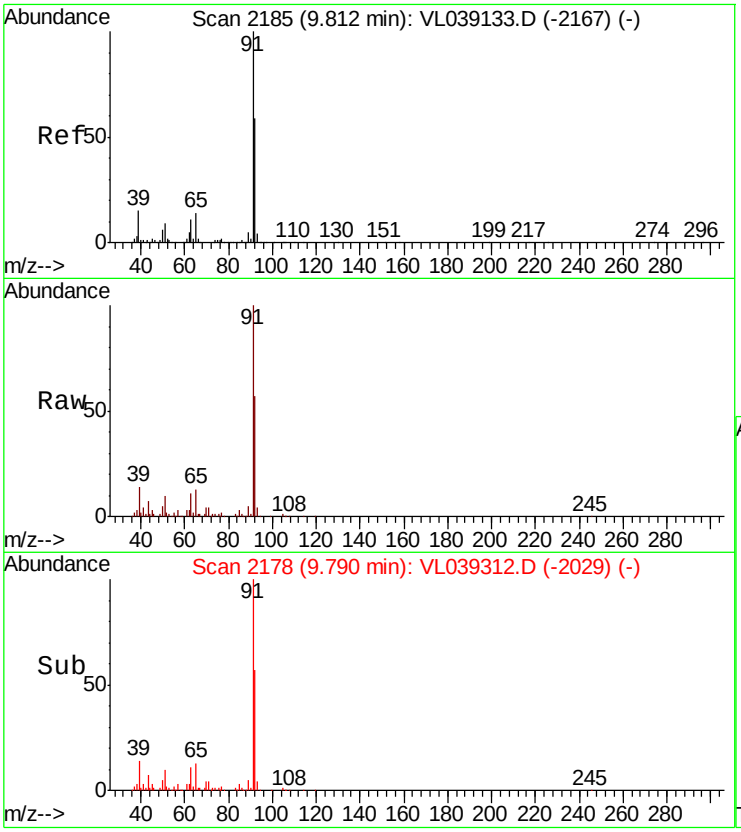


#44
2,2,4-Trimethylpentane
Concen: 0.234 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 57 Resp: 107956

Ion	Ratio	Lower	Upper
57	100		
41	47.0	26.2	39.4#
56	43.0	24.7	37.1#



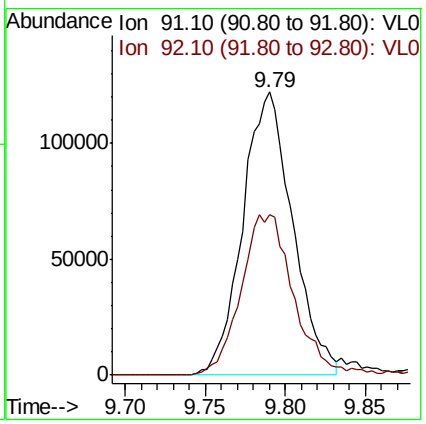


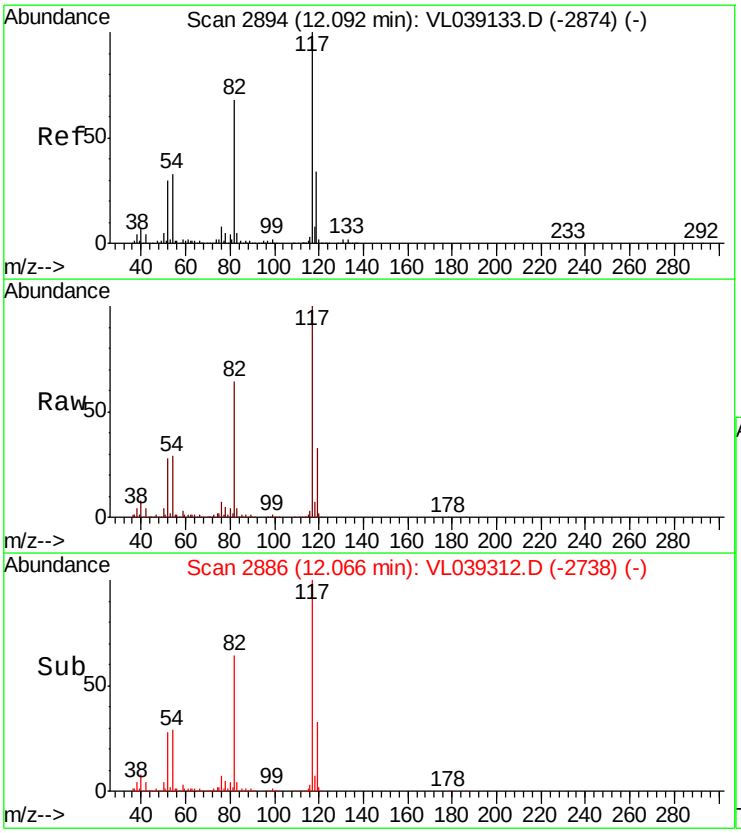
#53
Toluene
Concen: 0.862 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 261357

Ion	Ratio	Lower	Upper
91	100		
92	61.2	48.1	72.1

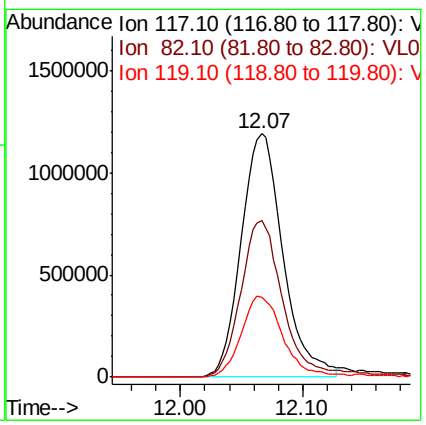


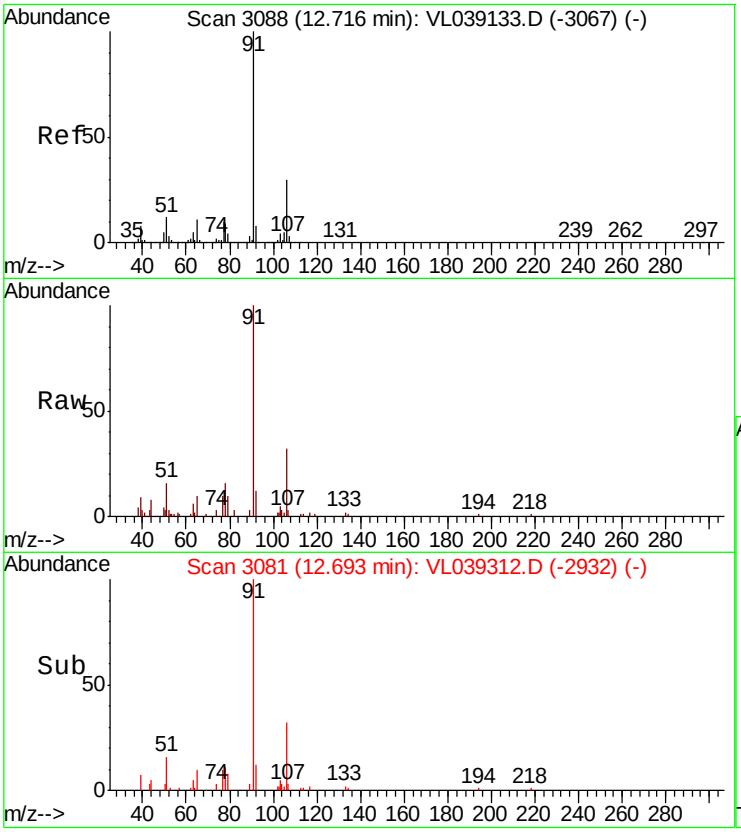


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion:117 Resp: 2818102

Ion	Ratio	Lower	Upper
117	100		
82	66.3	55.1	82.7
119	34.3	24.7	37.1



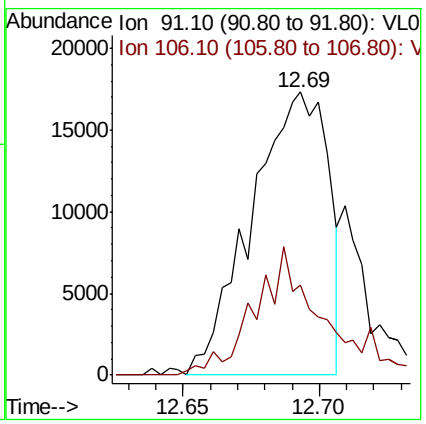


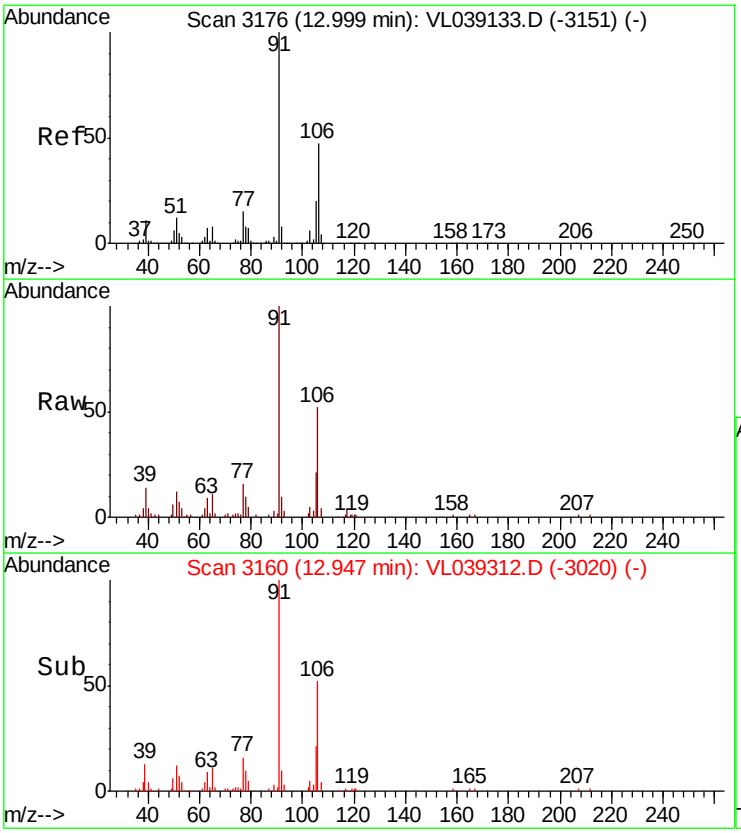
#58
Ethyl Benzene
Concen: 0.088 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 33982

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4

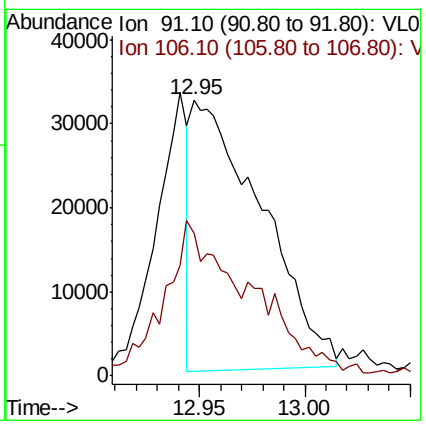


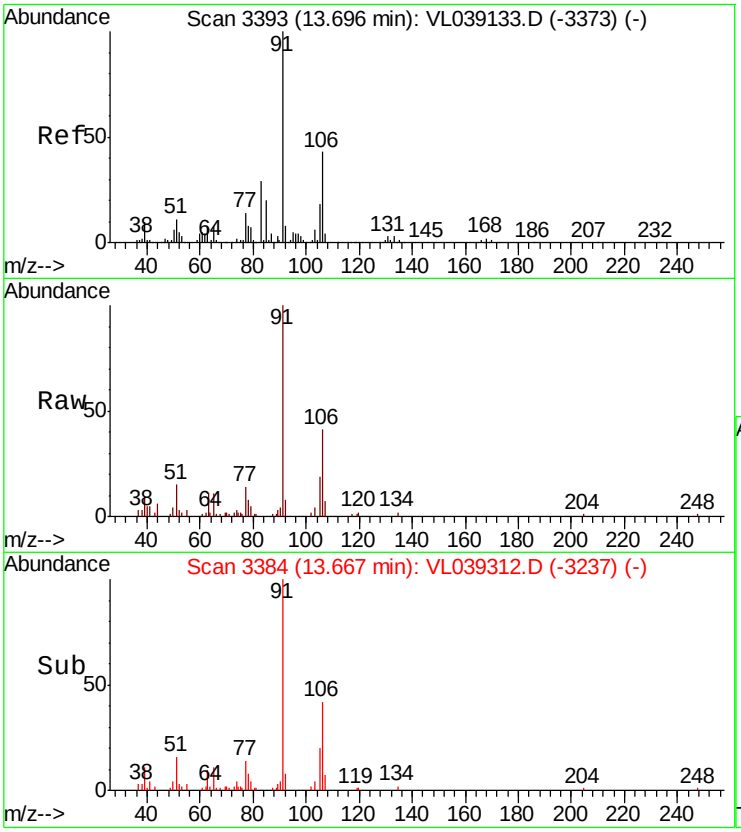


#59
m/p-Xylene
Concen: 0.216 ppbv
RT: 12.95 min Scan# 3160
Delta R.T. -0.05 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 91 Resp: 73944

Ion	Ratio	Lower	Upper
91	100		
106	72.2	34.3	51.5#



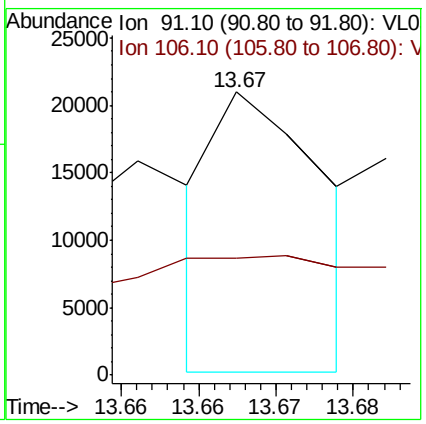


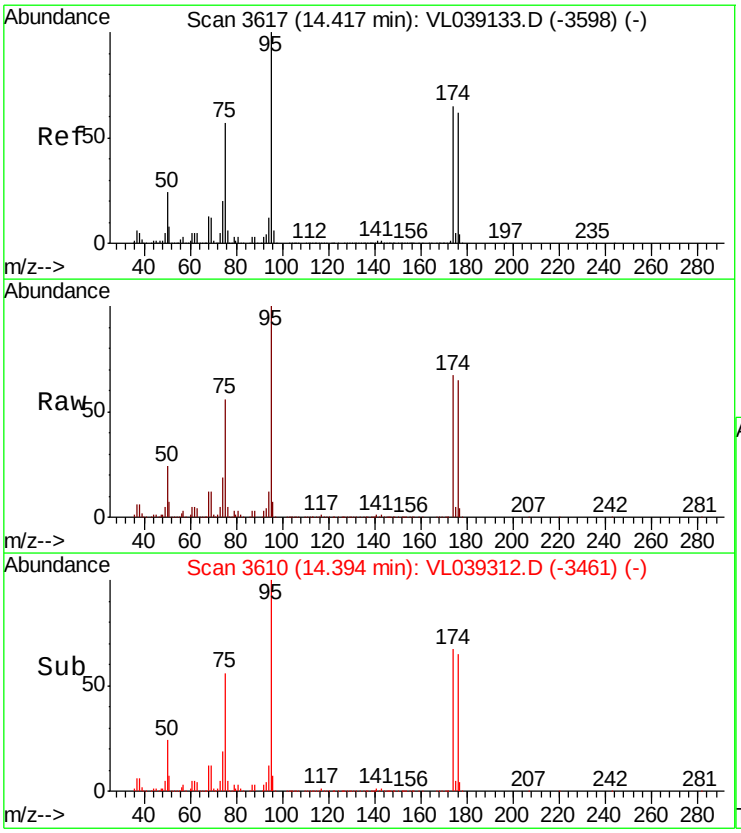
#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 16 Jun 2022 2:03

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 91 Resp: 10082

Ion	Ratio	Lower	Upper
91	100		
106	224.4	22.3	66.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.669 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.02 min
Lab File: VL039312.D
Acq: 16 Jun 2022 2:03

Tgt Ion: 95 Resp: 2252816

Ion	Ratio	Lower	Upper
95	100		
174	71.0	53.8	80.8
175	5.2	4.1	6.1