Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL039018.D
Acq On : 10 May 2022 13:21
Operator : SY/AP
Sample : N2696-03DL2 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SV3DL2

Quant Time: May 11 01:45:39 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	1024625	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	2885309	10.00	ppbv		-0.03
55) Chlorobenzene-d5	12.05	117	2480425	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1762494	8.97	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 89.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	4952	0.031	ppbv	#	70
3) Chlorodifluoromethane	2.98	51	4990	0.039	ppbv	#	67
4) Chloromethane	3.13	50	2328	0.037	ppbv	#	78
9) Propene	3.00	41	227467	4.097	ppbv		89
10) Heptane	8.10	43	44685	0.328	ppbv		95
13) Ethanol	3.59	45	119191	30.334	ppbv		95
15) Acetone	3.84	43	148742	1.539	ppbv	#	47
16) 1,3-Butadiene	3.29	39	197274	3.553	ppbv	#	18
17) tert-Butyl alcohol	4.28	59	137012	1.844	ppbv		96
19) Isopropyl Alcohol	3.96	45	15526	0.338	ppbv	#	95
20) Methylene Chloride	4.33	84	35296	0.969	ppbv		96
23) Vinyl Acetate	5.03	43	32466	0.425	ppbv	#	1
25) Ethyl Acetate	5.66	43	78440	0.339	ppbv	#	91
26) Hexane	5.66	57	79336	0.772	ppbv	#	52
27) Carbon Disulfide	4.54	76	13087	0.134	ppbv	#	80
30) Cyclohexane	7.10	84	7756	0.090	ppbv	#	1
34) 2-Butanone	5.23	43	103410	0.703	ppbv	#	90
36) Benzene	6.86	78	34770	0.141	ppbv	#	92
39) 1,2-Dichloropropane	7.15	63	681424	7.093	ppbv	#	26
41) Tetrahydrofuran	6.03	42	24240	0.245	ppbv	#	3
44) 2,2,4-Trimethylpentane	7.84	57	224029	0.517	ppbv	#	84
50) 4-Methyl-2-Pentanone	8.73	43	15529	0.060	ppbv	#	39
52) Tetrachloroethene	11.19	164	490974	5.564	ppbv		97
53) Toluene	9.77	91	191658	0.693	ppbv		98
58) Ethyl Benzene	12.67	91	129285	0.362	ppbv		92
59) m/p-Xylene	12.96	91	62813	0.206	ppbv	#	33
60) o-Xylene	13.65	91	211335	0.737	ppbv		99
64) n-propylbenzene	15.52	120	5469	0.054	ppbv	#	1
72) 4-Ethyltoluene	15.80	105	10086	0.031	ppbv	#	2
73) 1,3,5-Trimethylbenzene	15.95	105	9285	0.032	ppbv		90
74) 1,2,4-Trimethylbenzene	16.72	105	32536	0.101	ppbv	#	60

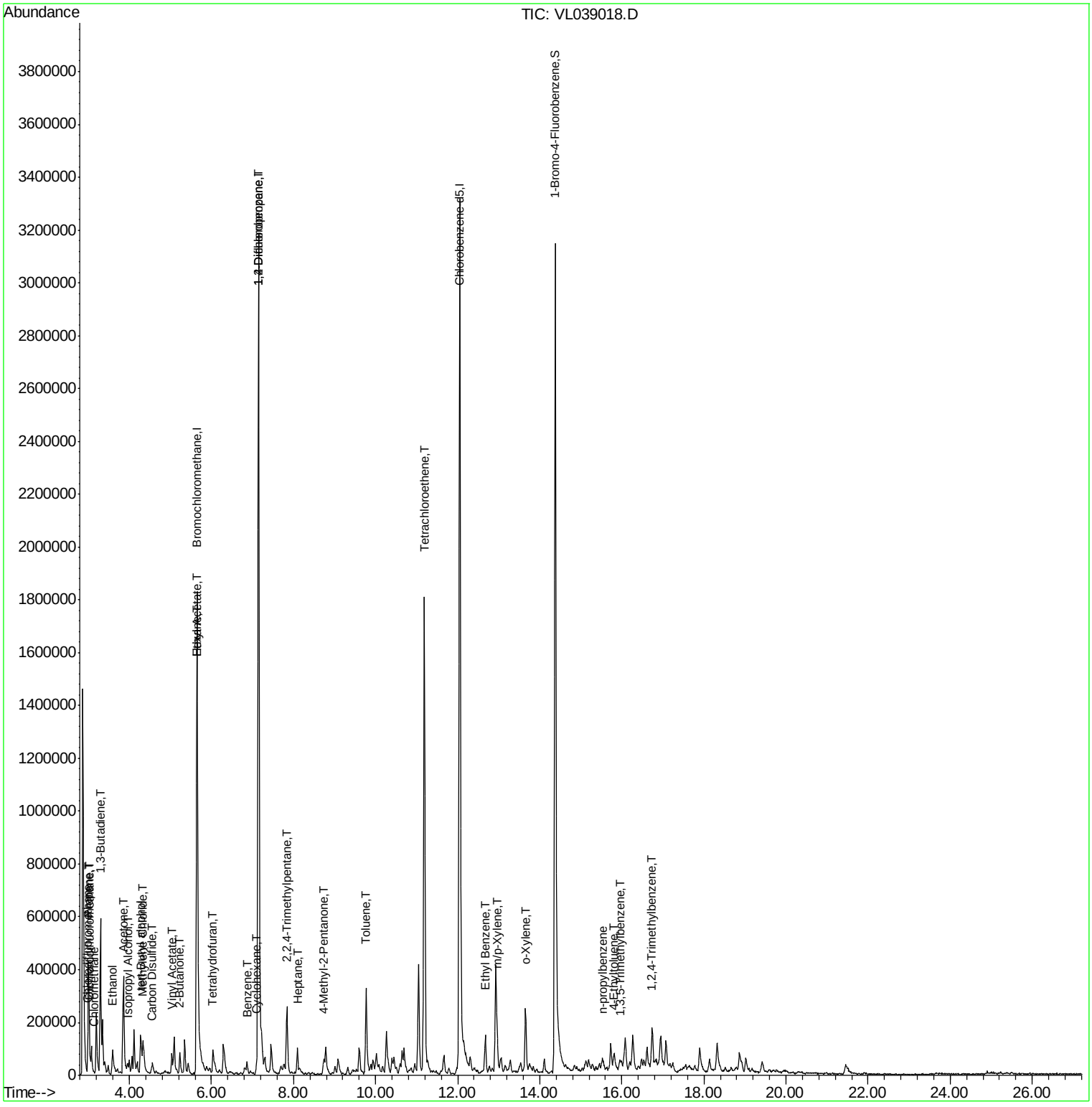
(#) = qualifier out of range (m) = manual integration (+) = signals summed

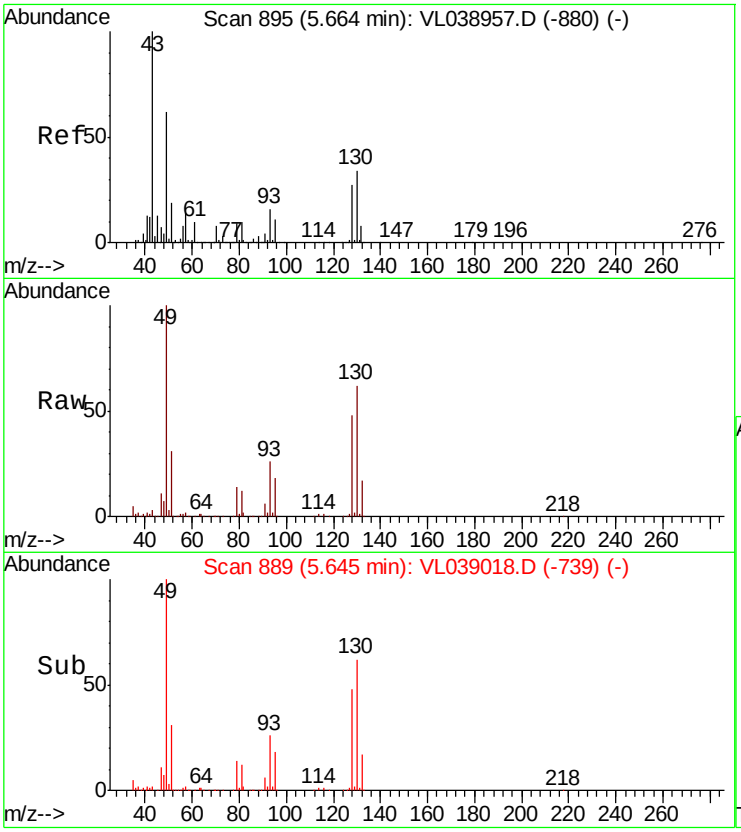
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050922\
Data File : VL039018.D
Acq On : 10 May 2022 13:21
Operator : SY/AP
Sample : N2696-03DL2 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Quant Time: May 11 01:45:39 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



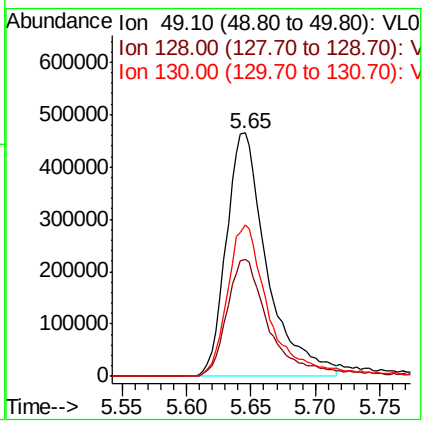


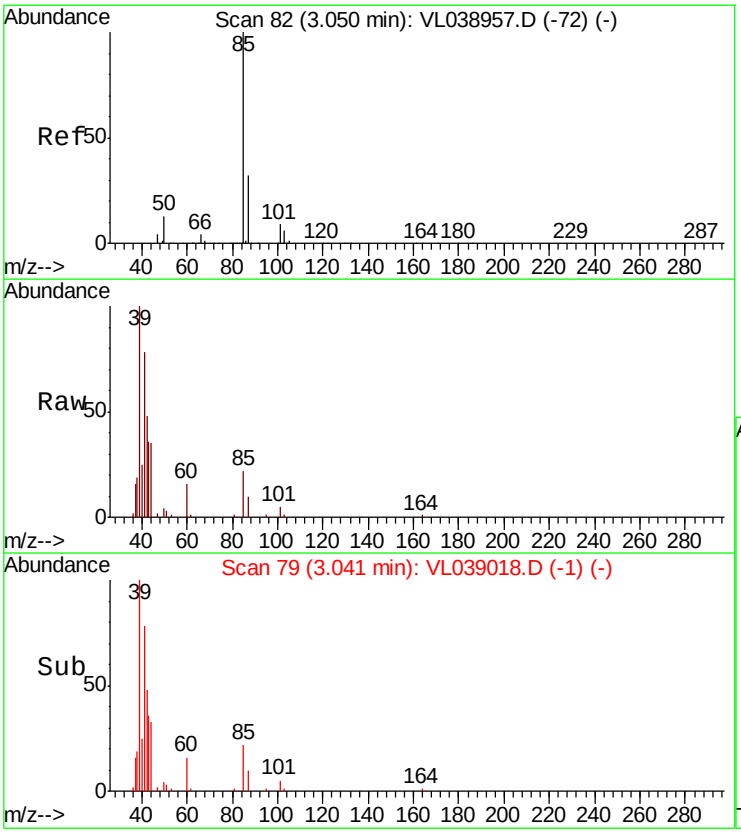
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 49 Resp: 1024625

Ion	Ratio	Lower	Upper
49	100		
128	50.9	23.3	69.8
130	64.5	29.8	89.3

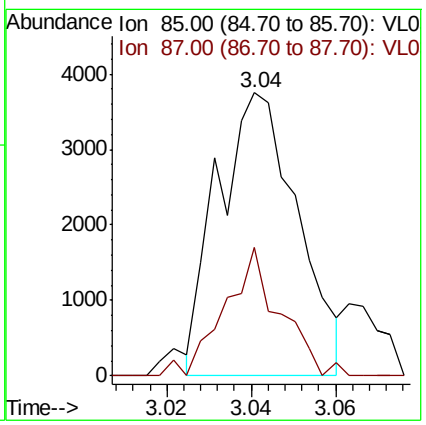


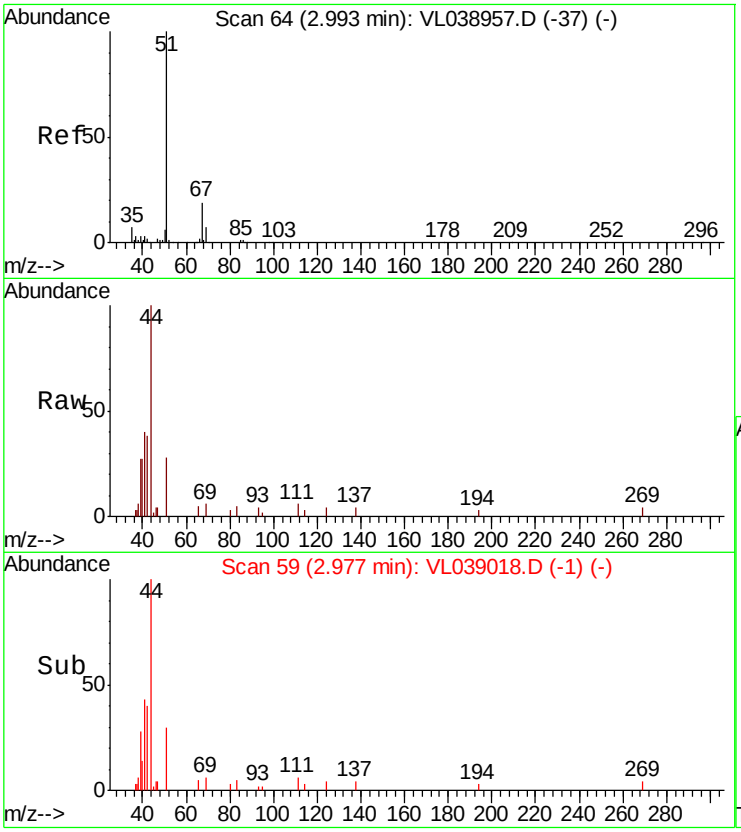


#2
Dichlorodifluoromethane
Concen: 0.031 ppbv
RT: 3.04 min Scan# 79
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 85 Resp: 4952

Ion	Ratio	Lower	Upper
85	100		
87	48.7	25.7	38.5#



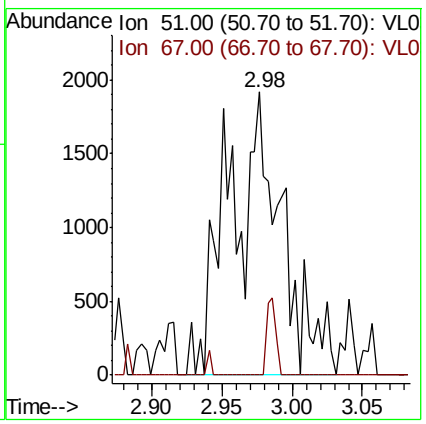


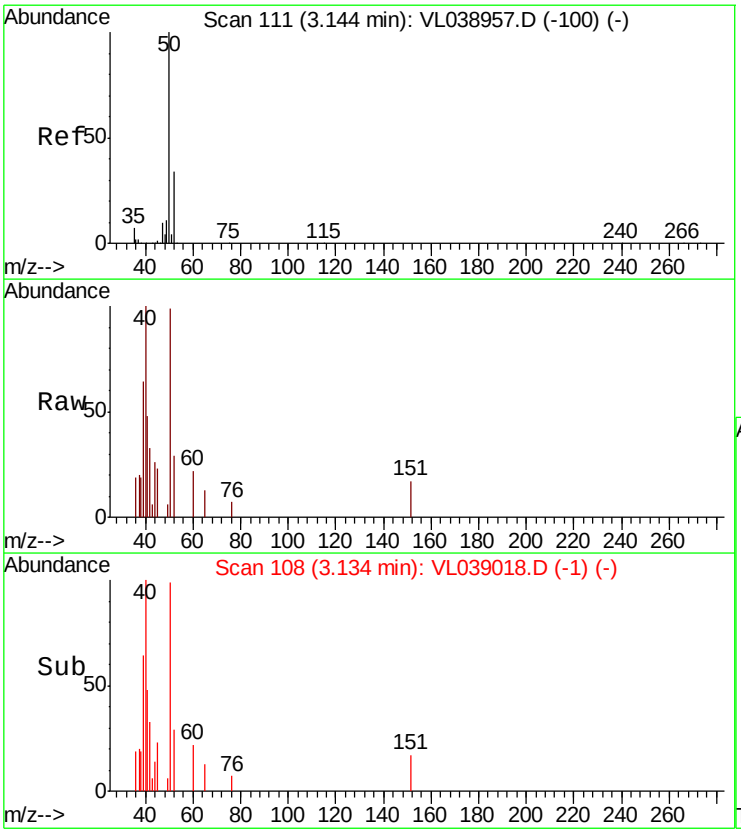
#3
Chlorodifluoromethane
Concen: 0.039 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 51 Resp: 4990

Ion	Ratio	Lower	Upper
51	100		
67	4.8	15.8	23.8#

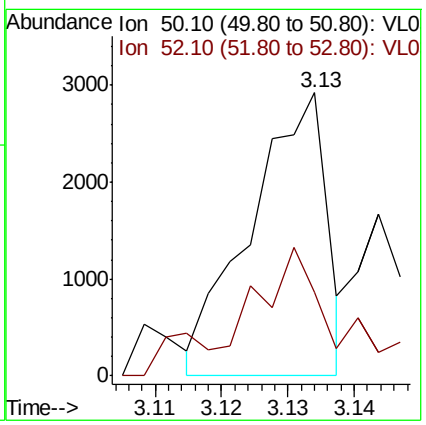


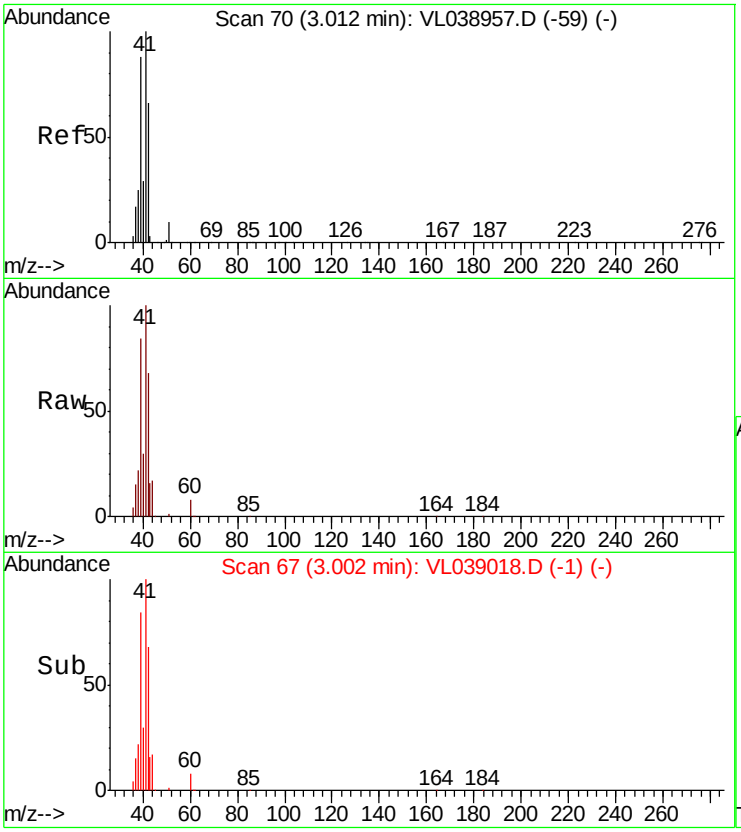


#4
Chloromethane
Concen: 0.037 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 50 Resp: 2328

Ion	Ratio	Lower	Upper
50	100		
52	21.8	27.3	40.9#



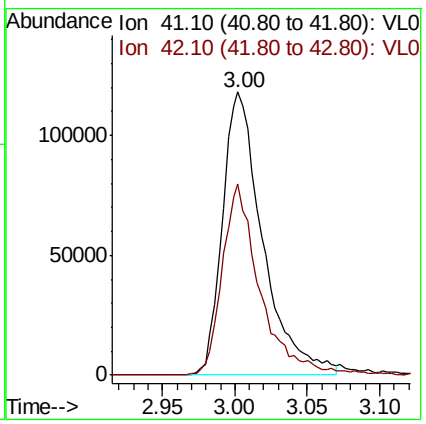


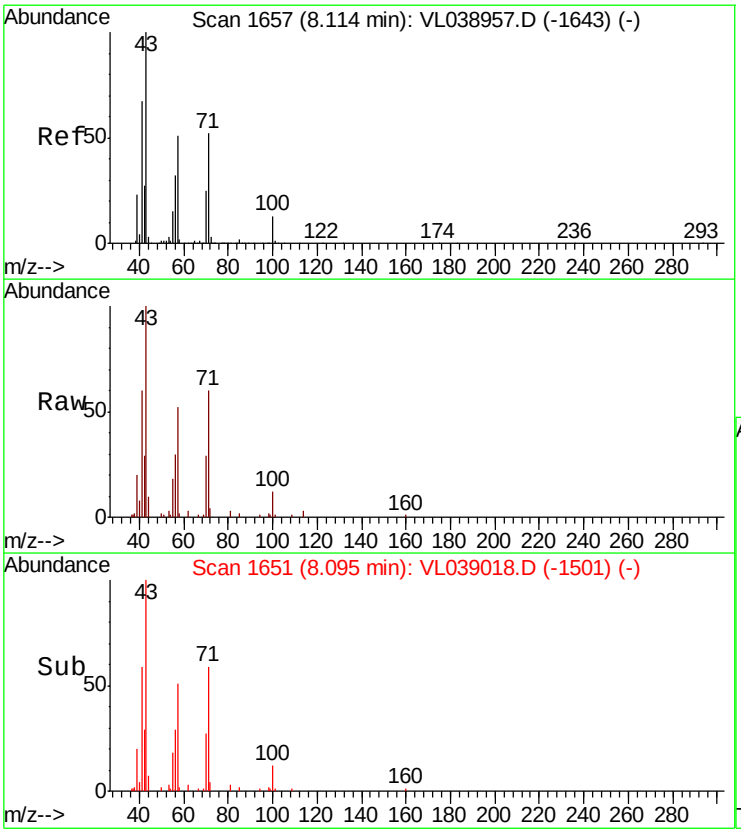
#9
Propene
Concen: 4.097 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 41 Resp: 227467

Ion	Ratio	Lower	Upper
41	100		
42	63.9	58.3	87.5

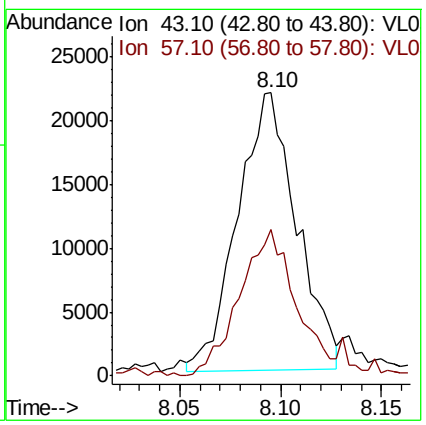


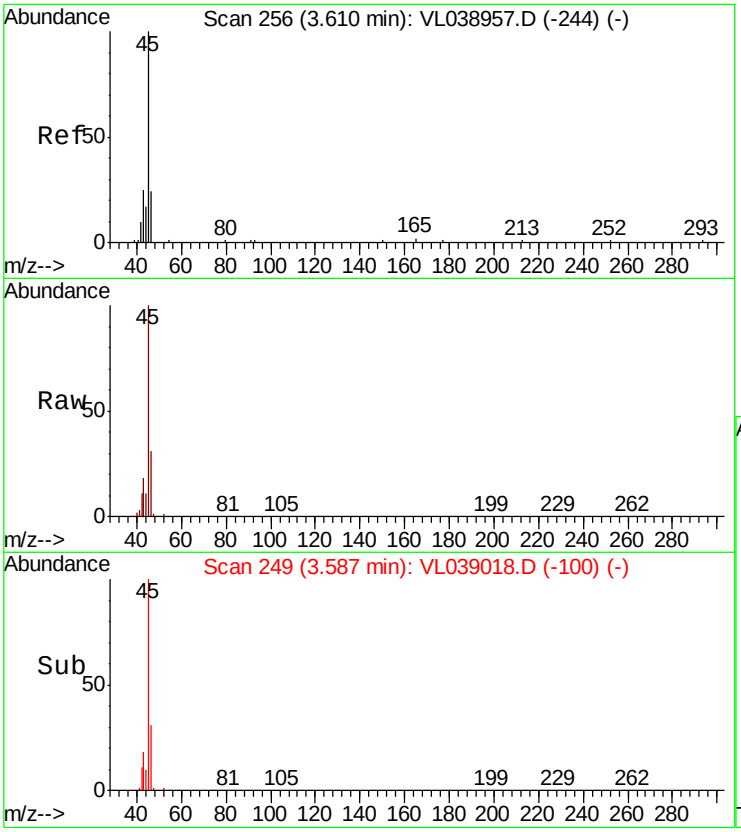


#10
Heptane
Concen: 0.328 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 43 Resp: 44685

Ion	Ratio	Lower	Upper
43	100		
57	54.3	40.5	60.7



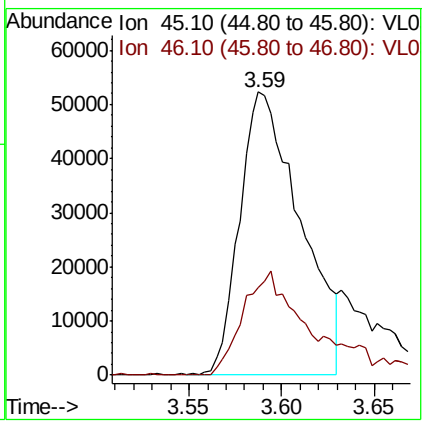


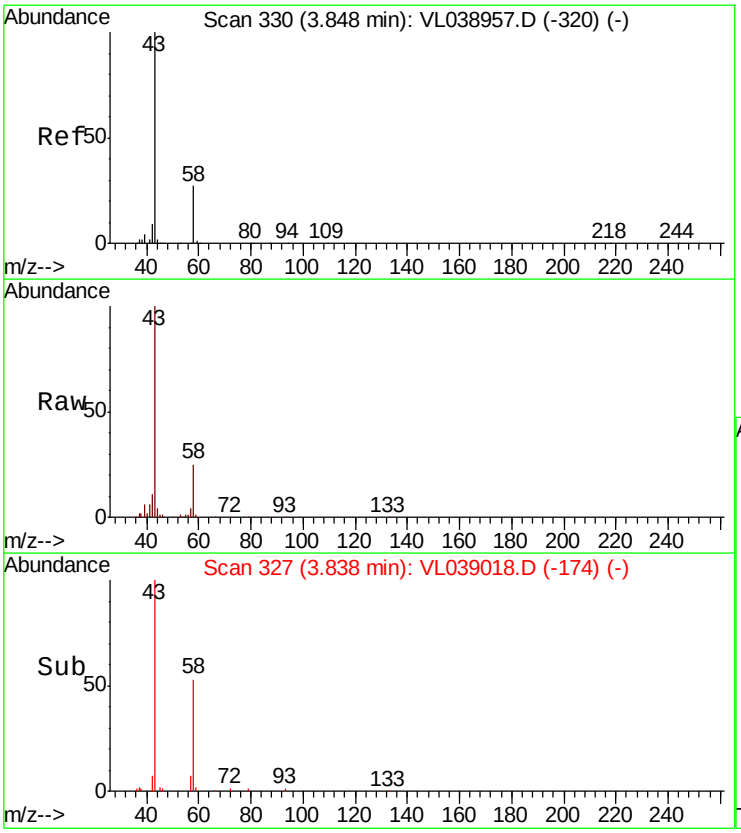
#13
Ethanol
Concen: 30.334 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 45 Resp: 119191

Ion	Ratio	Lower	Upper
45	100		
46	48.2	18.0	72.2

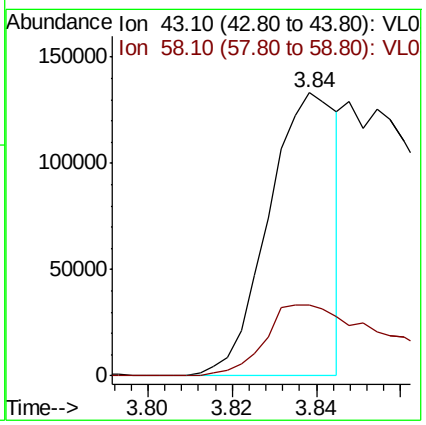


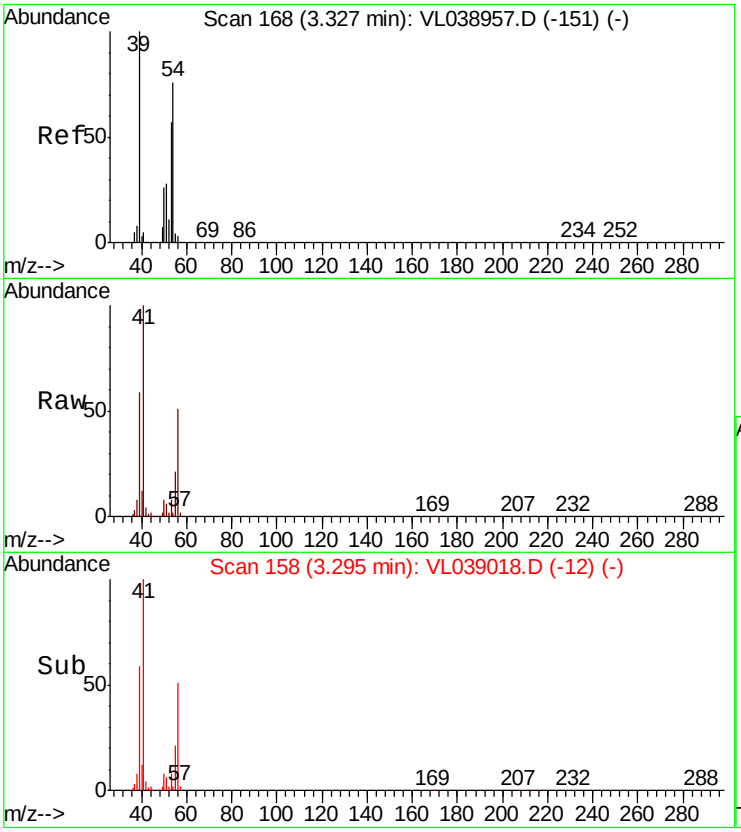


#15
Acetone
Concen: 1.539 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 43 Resp: 148742

Ion	Ratio	Lower	Upper
43	100		
58	53.7	21.3	31.9#



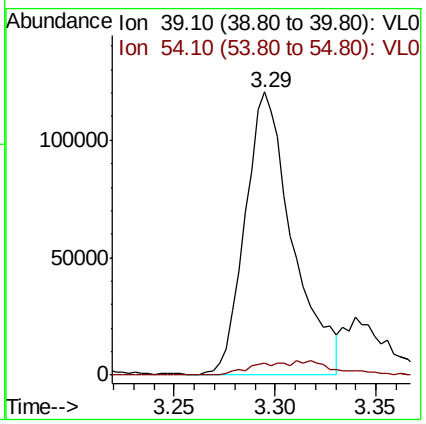


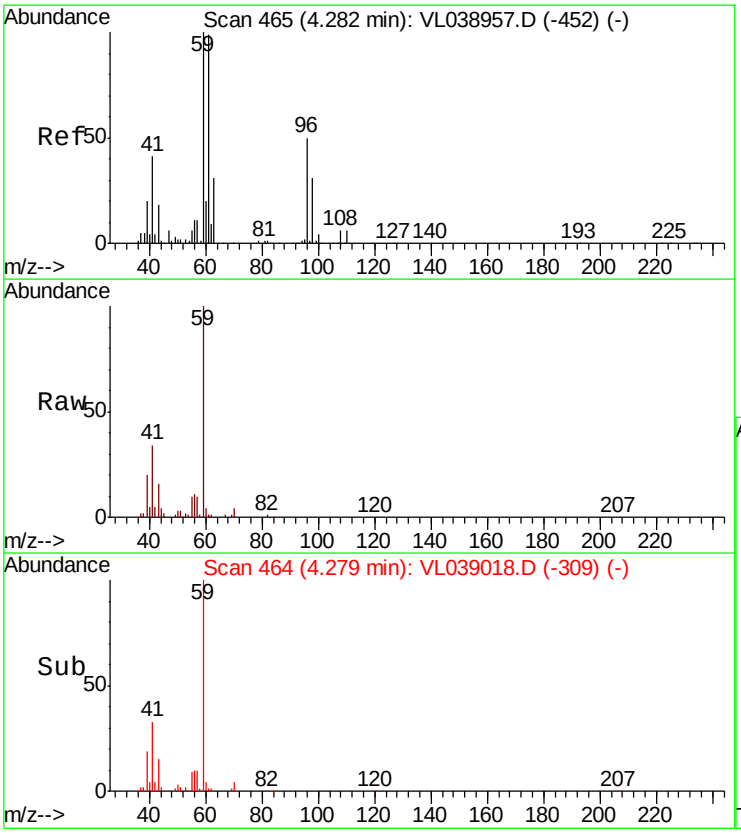
#16
1,3-Butadiene
Concen: 3.553 ppbv
RT: 3.29
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 39 Resp: 197274

Ion	Ratio	Lower	Upper
39	100		
54	8.4	65.2	97.8#

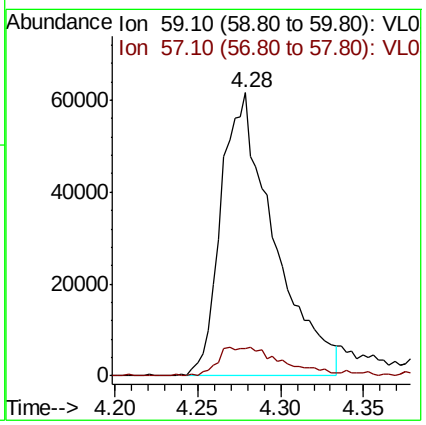


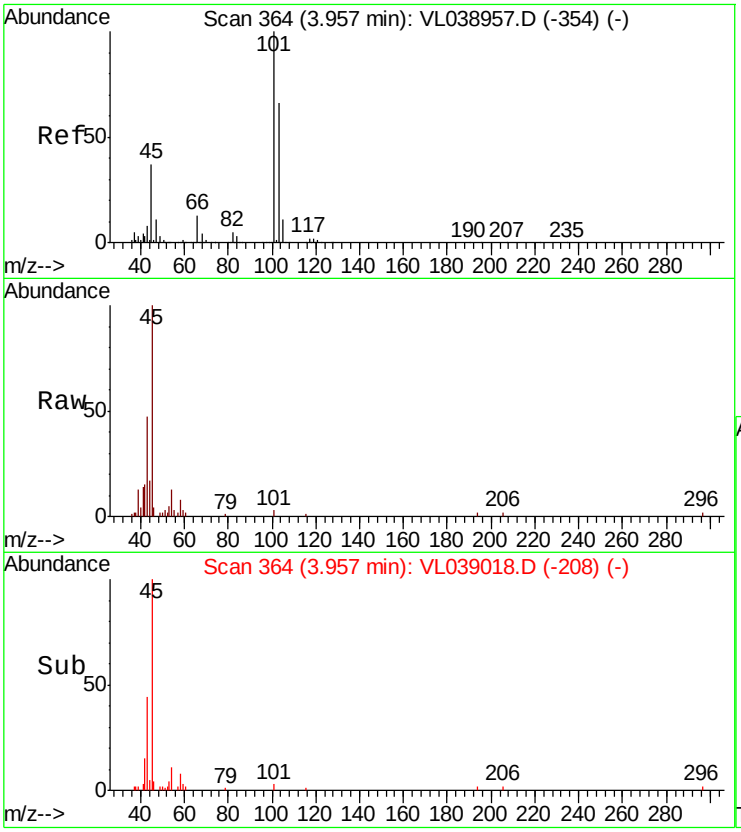


#17
tert-Butyl alcohol
Concen: 1.844 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.00 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 59 Resp: 137012

Ion	Ratio	Lower	Upper
59	100		
57	13.0	9.2	13.8



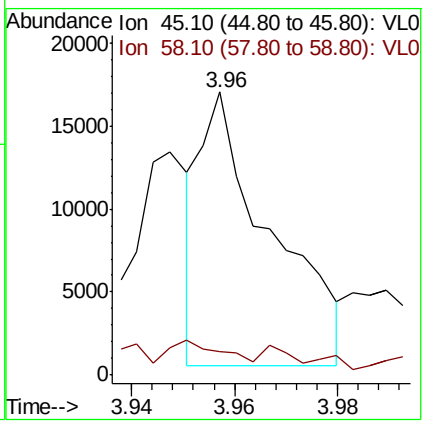


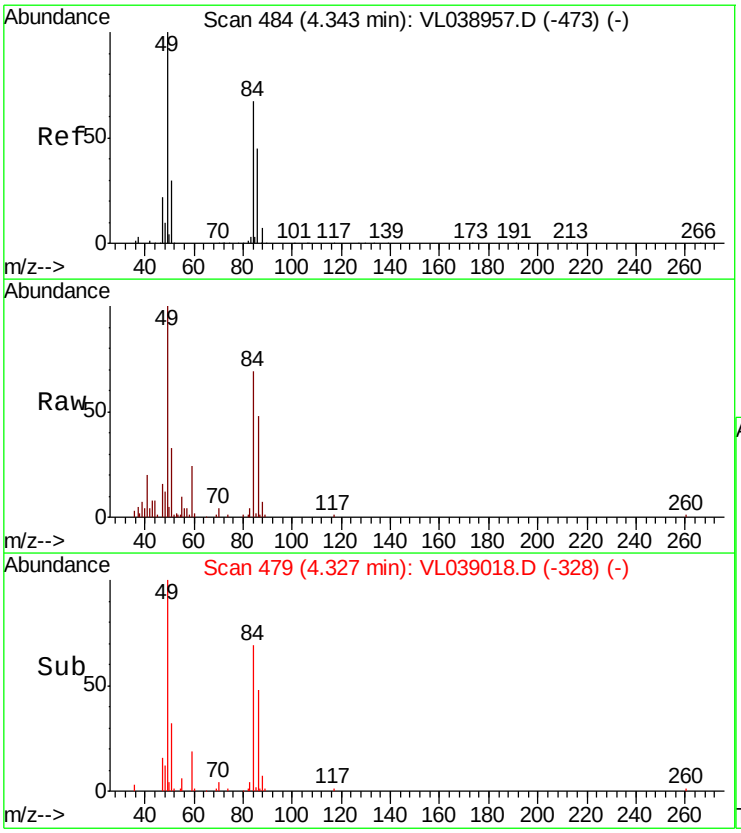
#19
Isopropyl Alcohol
Concen: 0.338 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 45 Resp: 15526

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

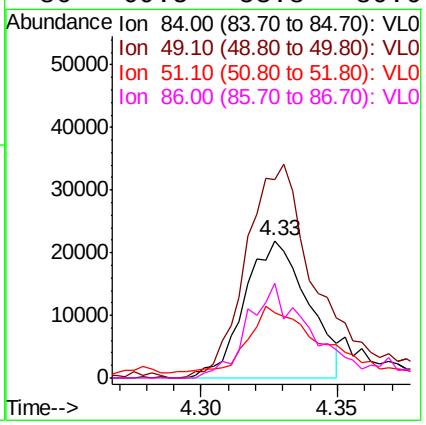


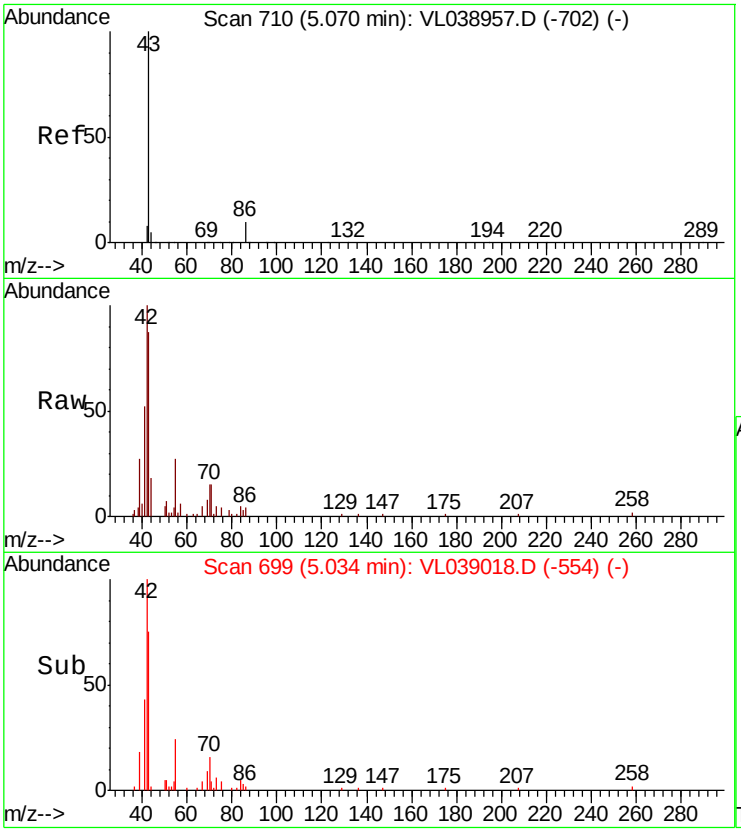


#20
Methylene Chloride
Concen: 0.969 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 84 Resp: 35296

Ion	Ratio	Lower	Upper
84	100		
49	144.0	119.9	179.9
51	42.1	35.7	53.5
86	69.5	53.8	80.6



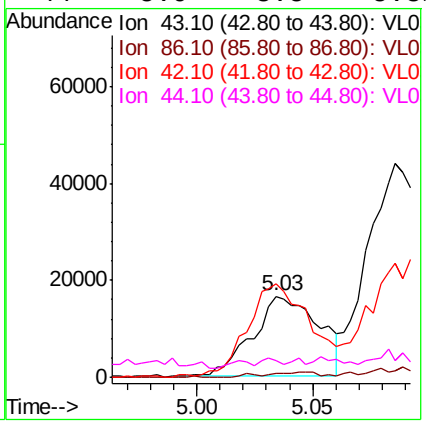


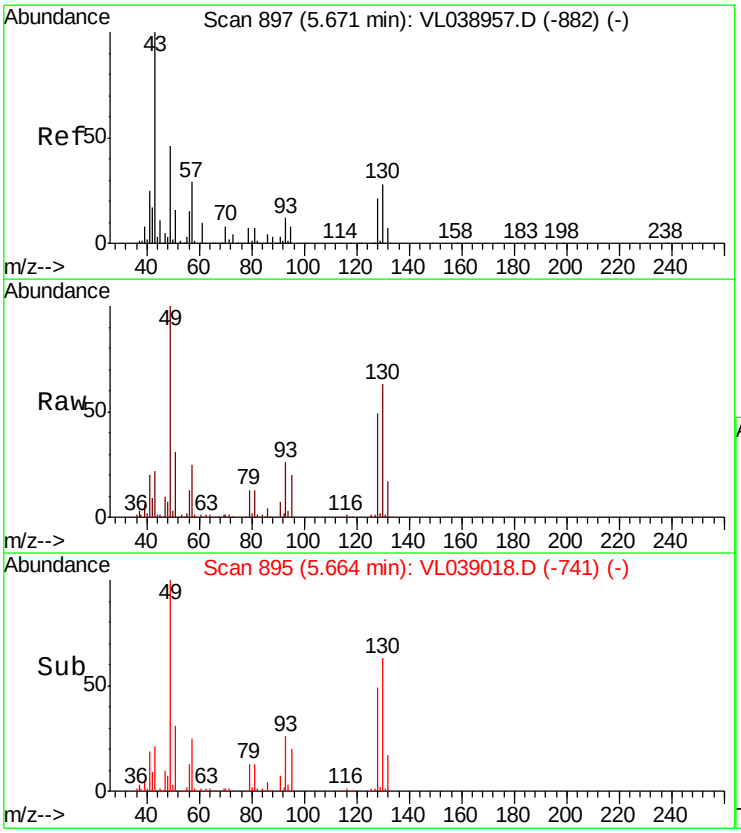
#23
Vinyl Acetate
Concen: 0.425 ppbv
RT: 5.03
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 43 Resp: 32466

Ion	Ratio	Lower	Upper
43	100		
86	4.8	6.6	9.8#
42	113.3	8.1	12.1#
44	5.9	3.5	5.3#

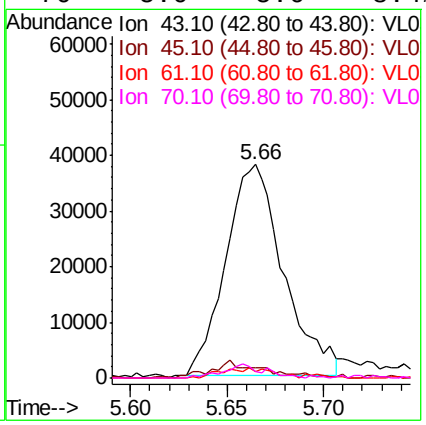


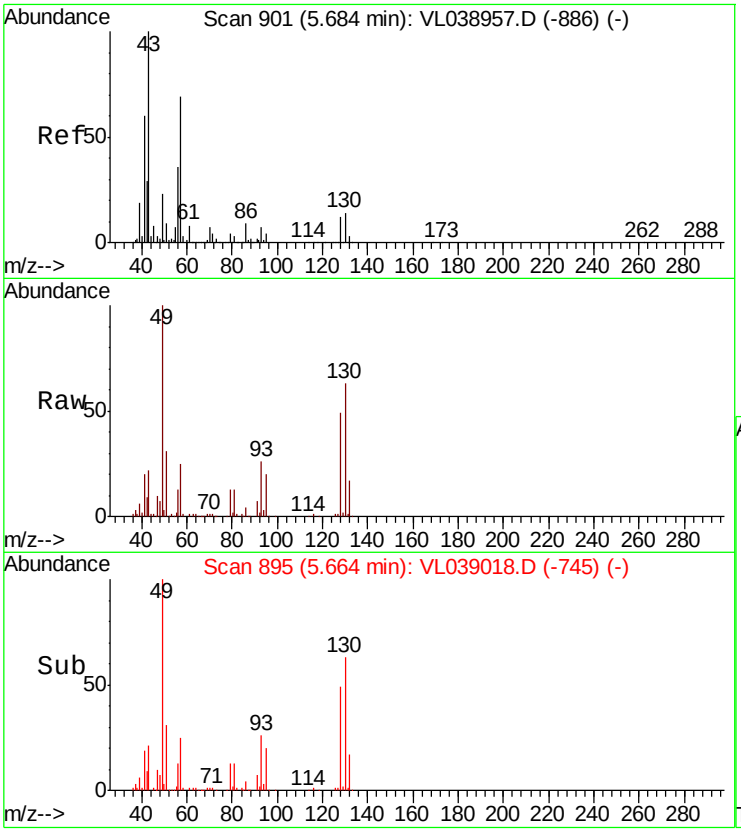


#25
Ethyl Acetate
Concen: 0.339 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 43 Resp: 78440

Ion	Ratio	Lower	Upper
43	100		
45	7.7	8.1	12.1#
61	4.9	7.8	11.6#
70	5.0	5.6	8.4#



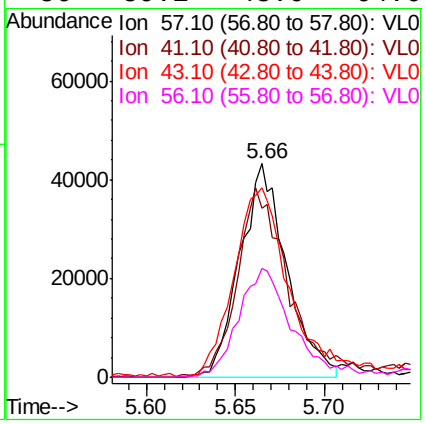


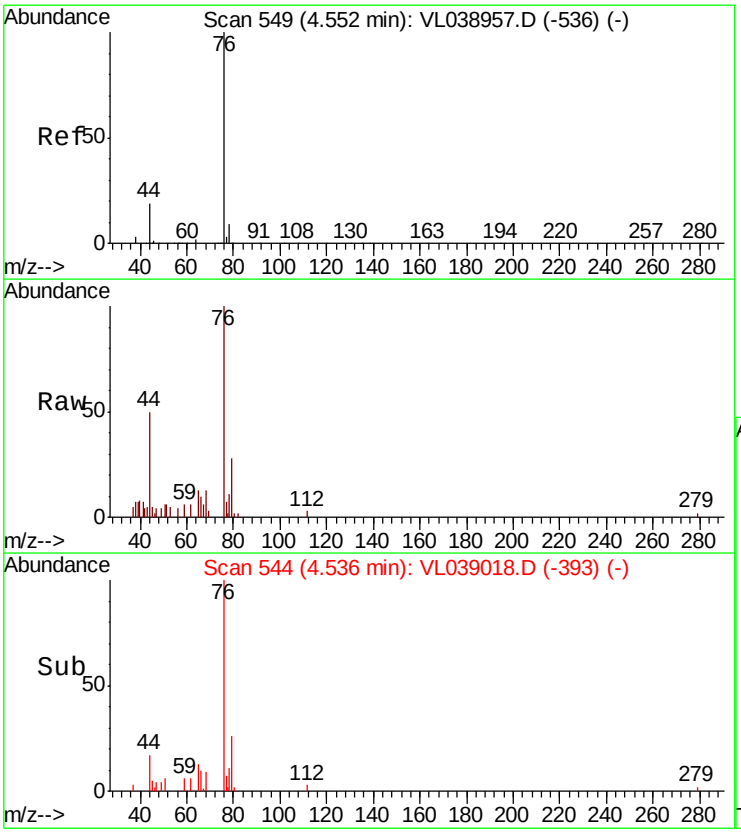
#26
Hexane
Concen: 0.772 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 57 Resp: 79336

Ion	Ratio	Lower	Upper
57	100		
41	98.4	75.2	112.8
43	112.2	190.8	286.2#
56	59.1	43.0	64.6

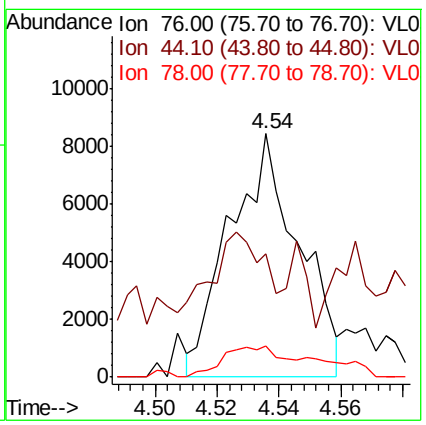


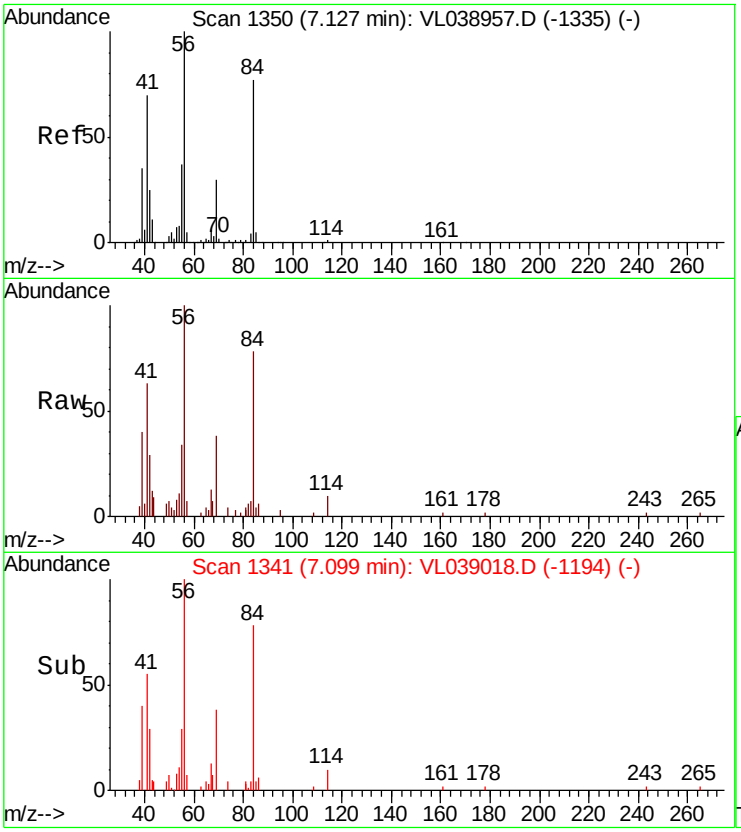


#27
Carbon Disulfide
Concen: 0.134 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 76 Resp: 13087

Ion	Ratio	Lower	Upper
76	100		
44	28.0	15.3	22.9#
78	17.9	8.2	12.2#



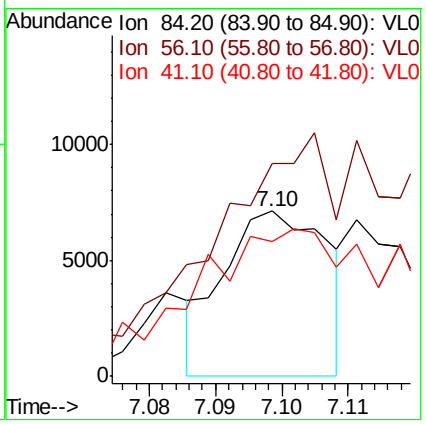


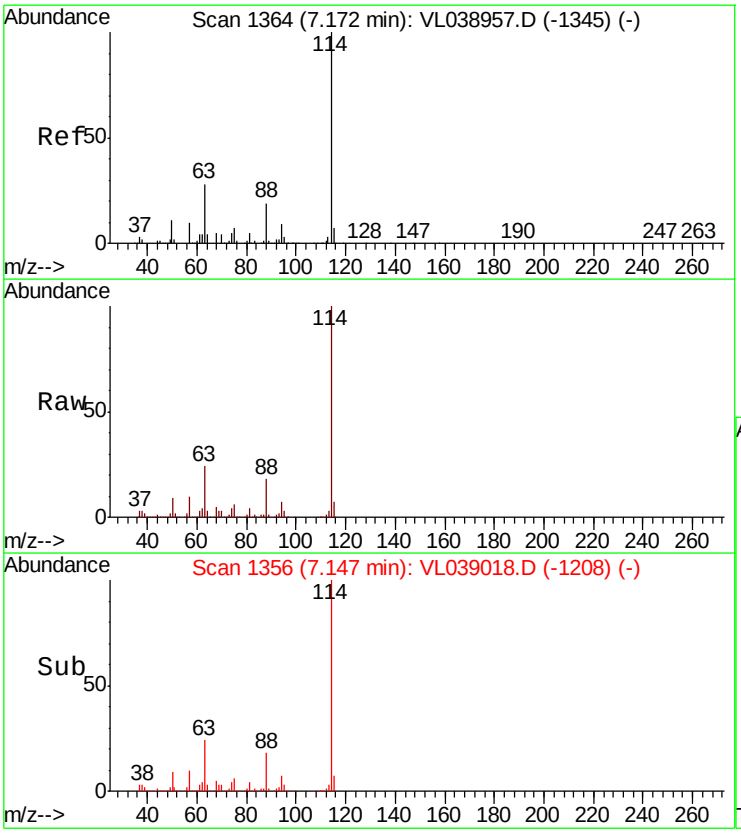
#30
Cyclohexane
Concen: 0.090 ppbv
RT: 7.10
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 84 Resp: 7756

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.3	172.9#
41	213.1	72.0	108.0#

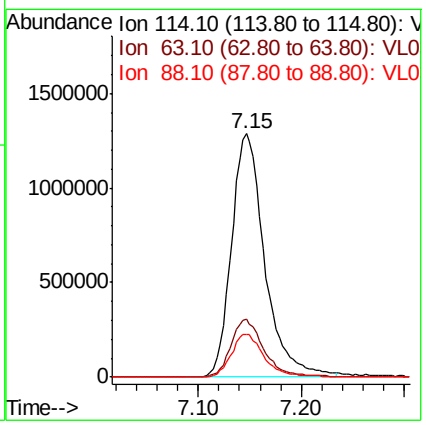


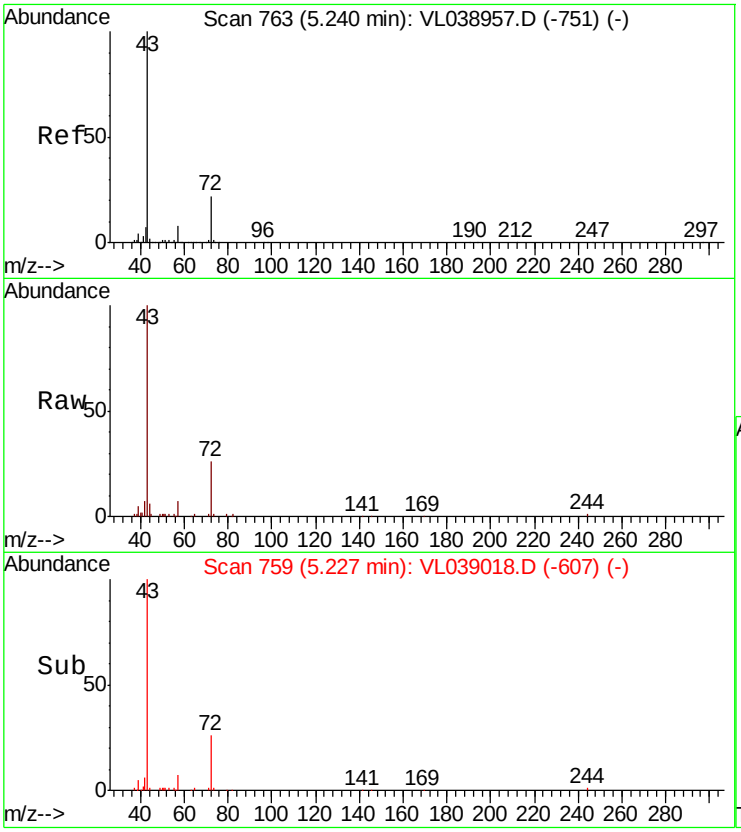


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion:114 Resp: 2885309

Ion	Ratio	Lower	Upper
114	100		
63	24.1	22.6	33.8
88	17.8	15.4	23.0



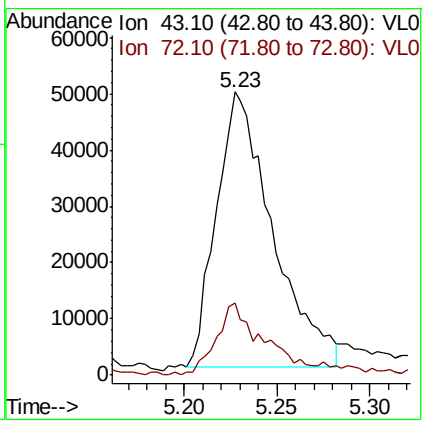


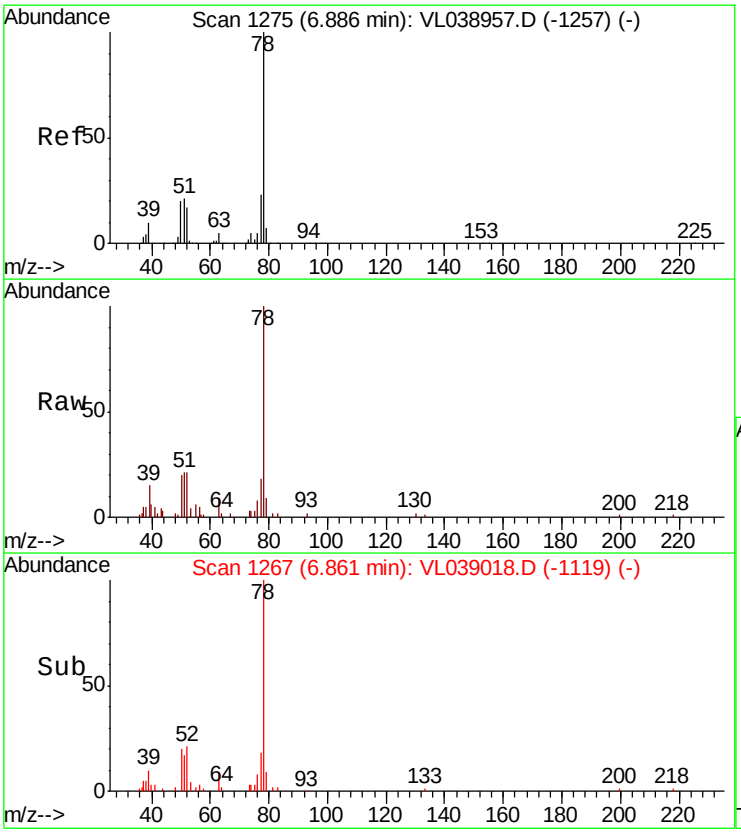
#34
2-Butanone
Concen: 0.703 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 43 Resp: 103410

Ion	Ratio	Lower	Upper
43	100		
72	27.2	17.8	26.6#

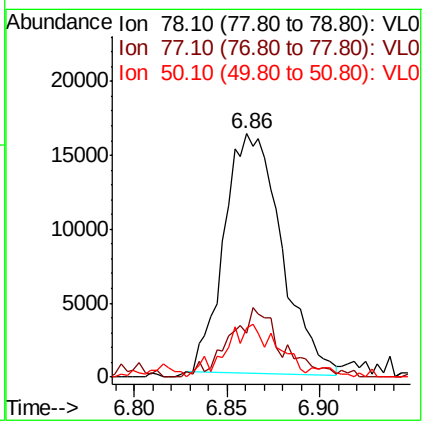


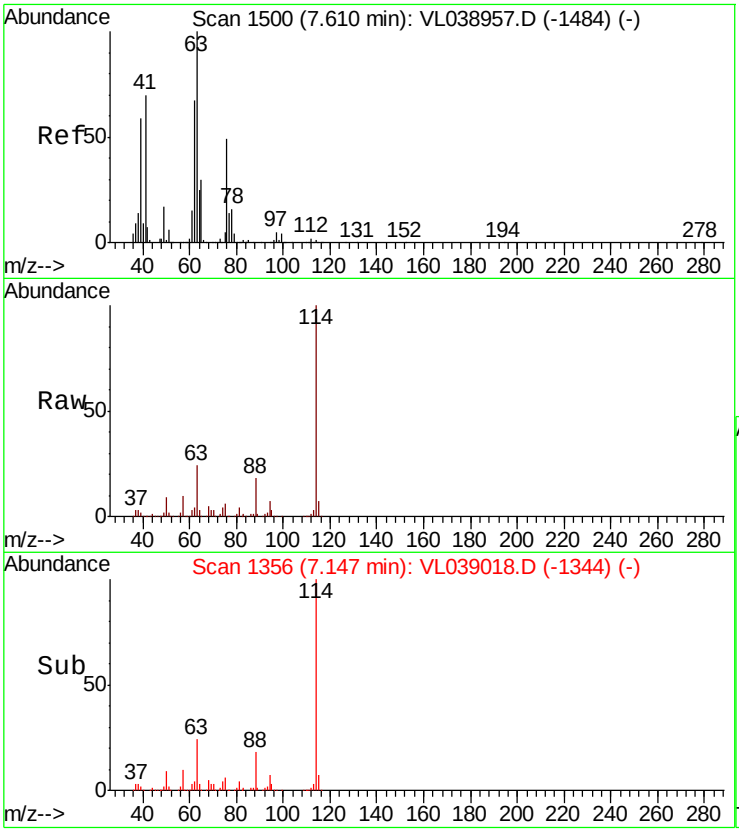


#36
Benzene
Concen: 0.141 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.03 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 78 Resp: 34770

Ion	Ratio	Lower	Upper
78	100		
77	17.6	18.6	28.0#
50	20.8	15.6	23.4



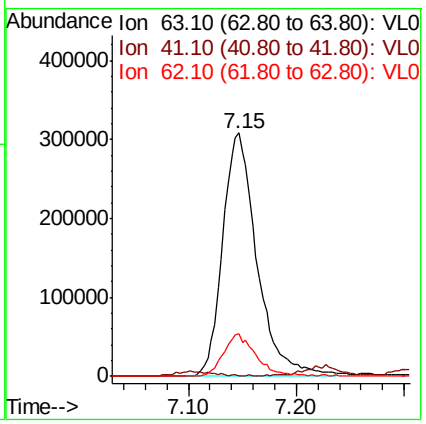


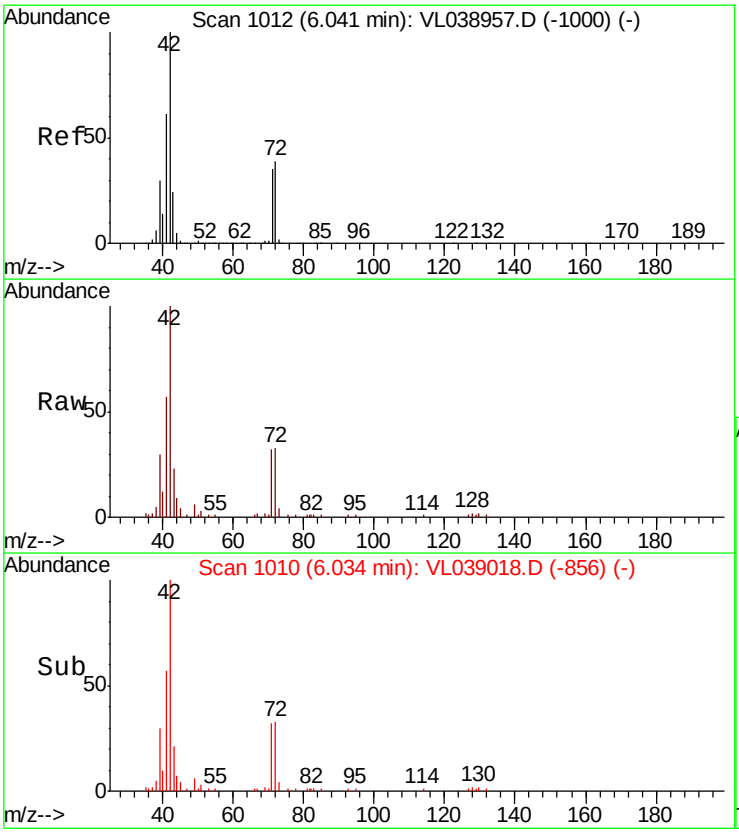
#39
1,2-Dichloropropane
Concen: 7.093 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 63 Resp: 681424

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	17.2	53.8	80.6#

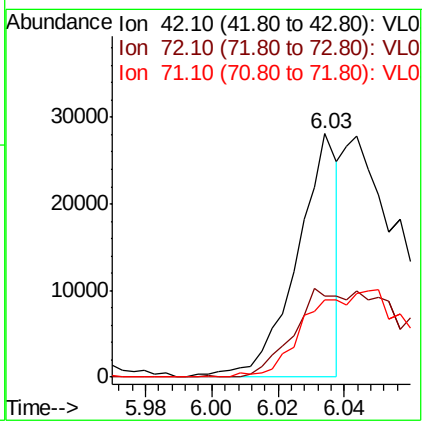


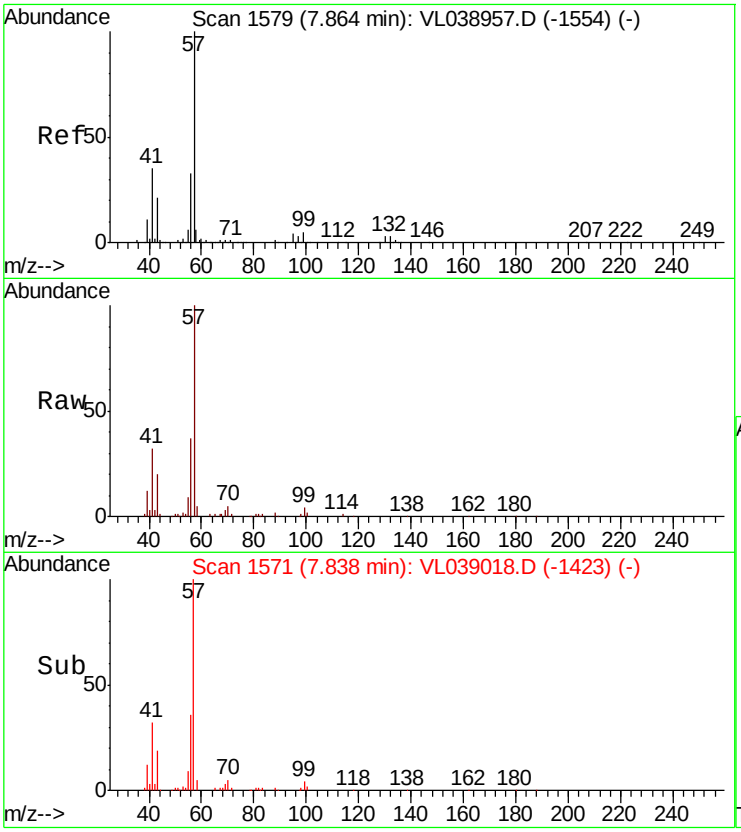


#41
Tetrahydrofuran
Concen: 0.245 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 42 Resp: 24240

Ion	Ratio	Lower	Upper
42	100		
72	119.7	31.8	47.6#
71	0.0	30.6	45.8#



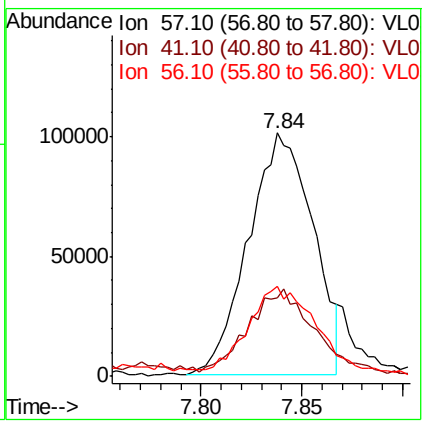


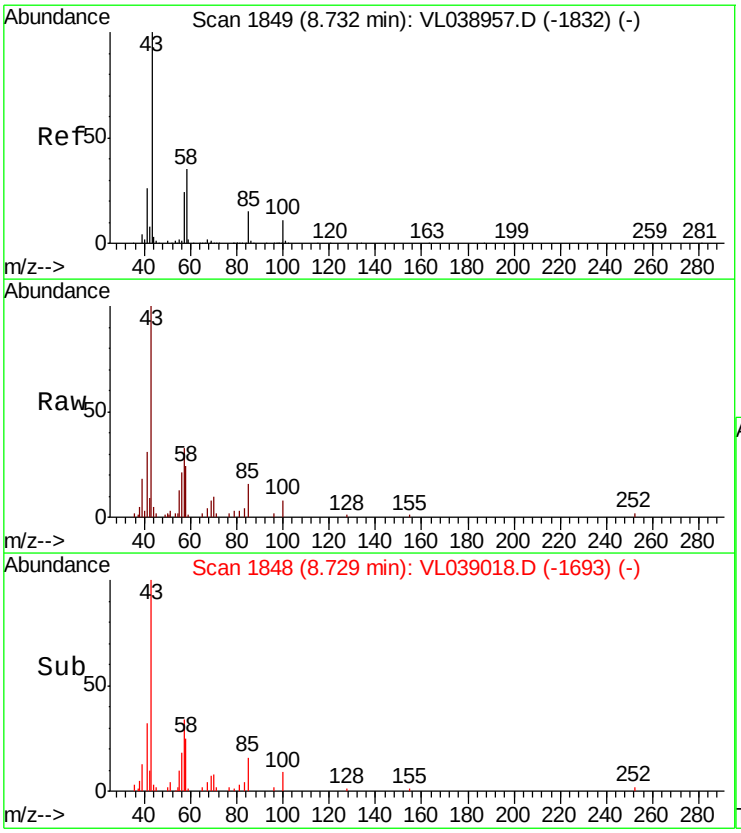
#44
2,2,4-Trimethylpentane
Concen: 0.517 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 57 Resp: 224029

Ion	Ratio	Lower	Upper
57	100		
41	39.3	26.3	39.5
56	42.1	24.6	37.0#

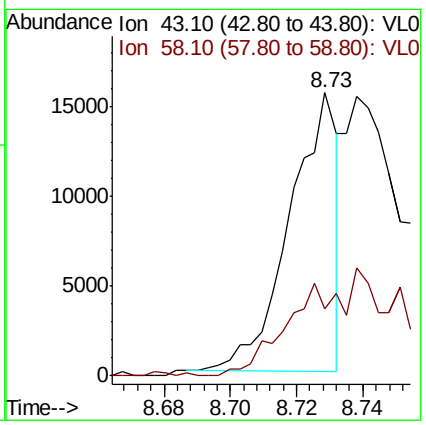


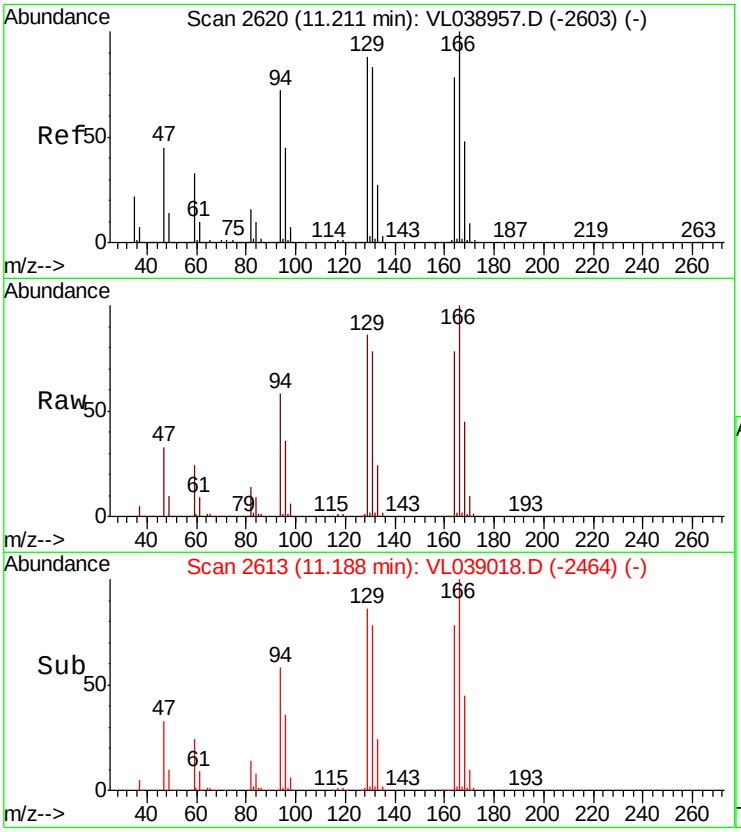


#50
4-Methyl-2-Pentanone
Concen: 0.060 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.00 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 43 Resp: 15529

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



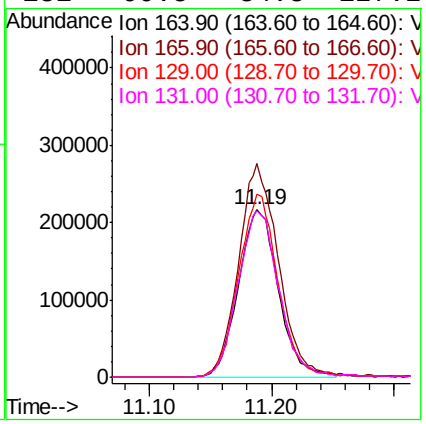


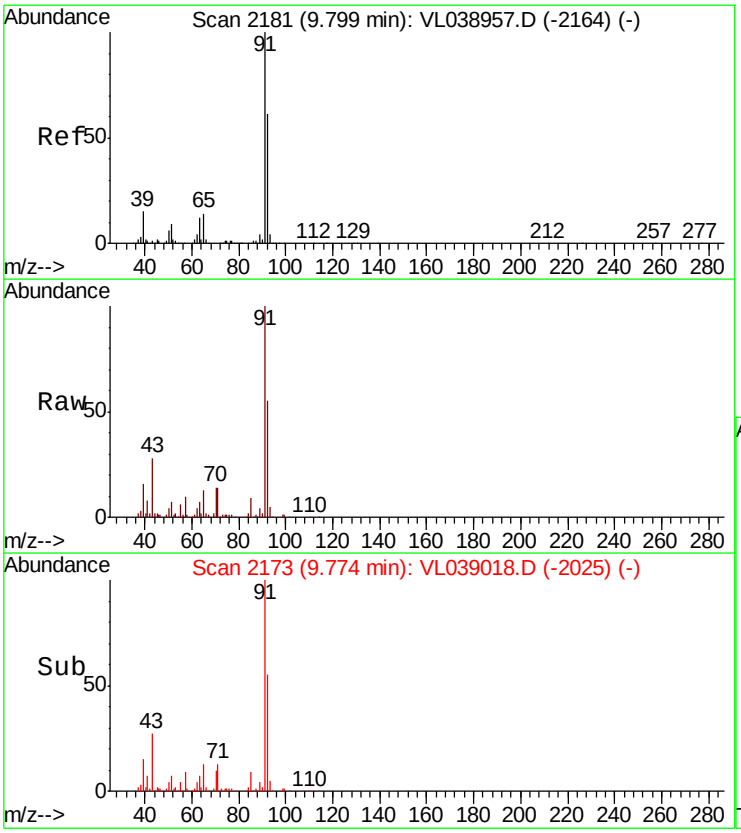
#52
Tetrachloroethene
Concen: 5.564 ppbv
RT: 11.19
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion:164 Resp: 490974

Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.5	153.7
129	109.2	90.1	135.1
131	99.5	84.8	127.2

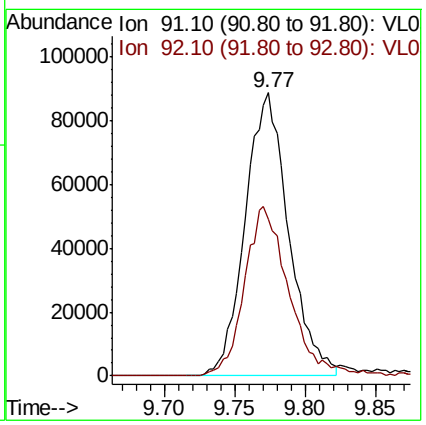


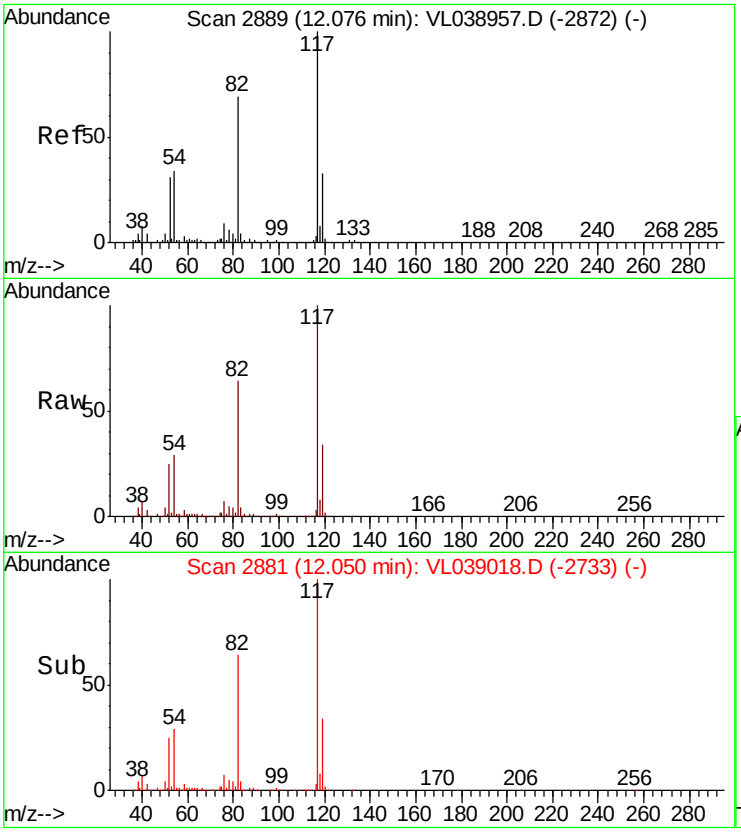


#53
Toluene
Concen: 0.693 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 91 Resp: 191658

Ion	Ratio	Lower	Upper
91	100		
92	61.4	48.2	72.2



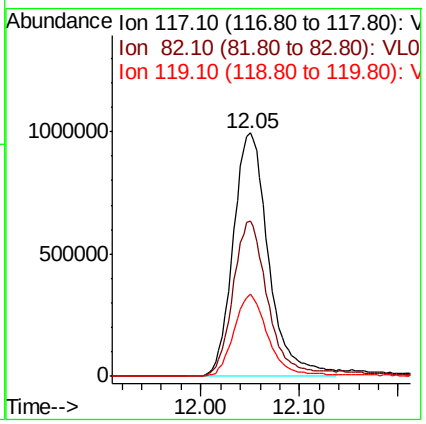


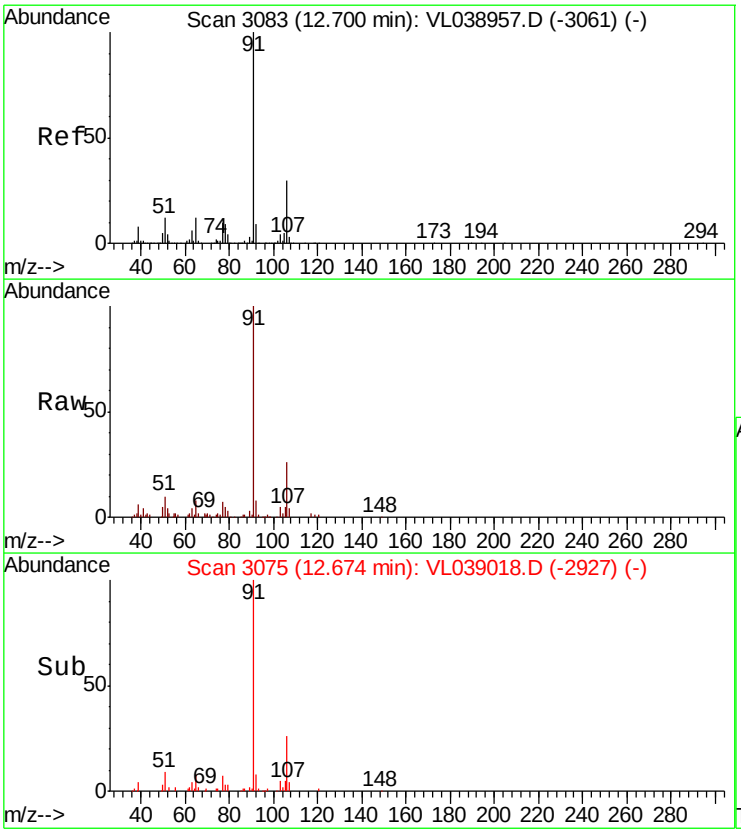
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion:117 Resp: 2480425

Ion	Ratio	Lower	Upper
117	100		
82	66.3	57.0	85.6
119	33.9	27.2	40.8

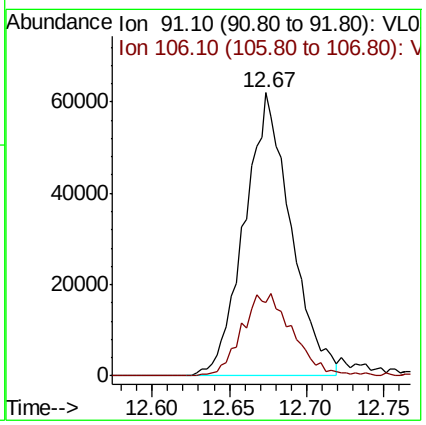


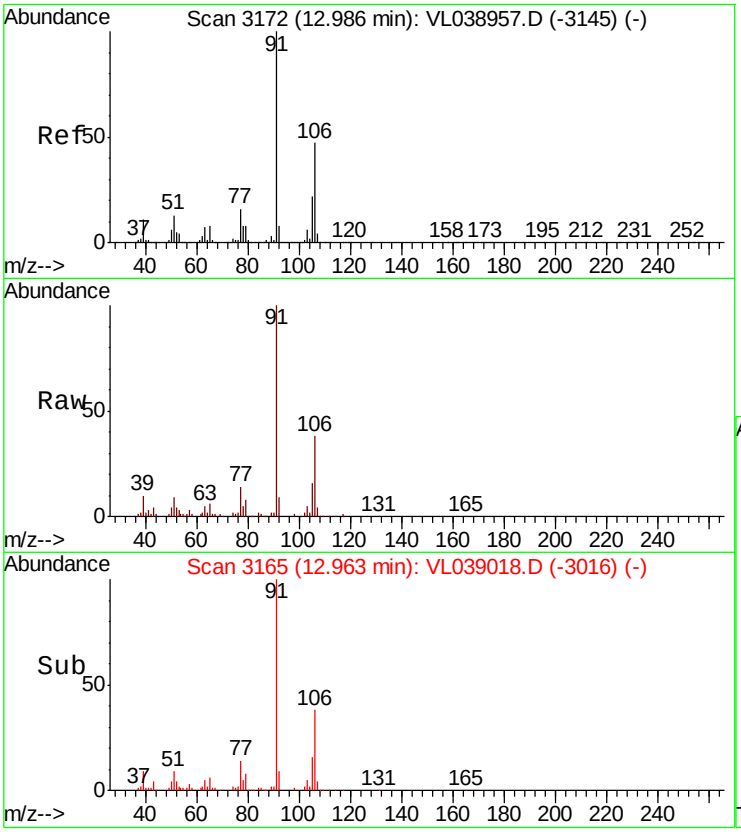


#58
Ethyl Benzene
Concen: 0.362 ppbv
RT: 12.67 min Scan# 3075
Delta R.T. -0.03 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 91 Resp: 129285

Ion	Ratio	Lower	Upper
91	100		
106	25.9	24.2	36.4



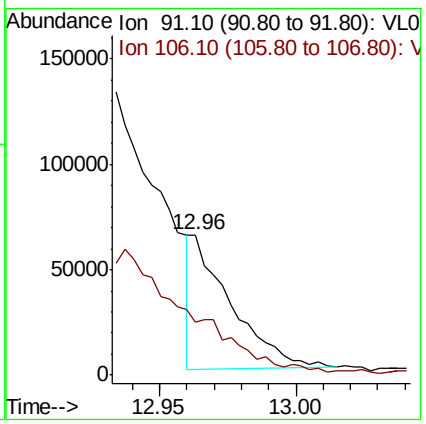


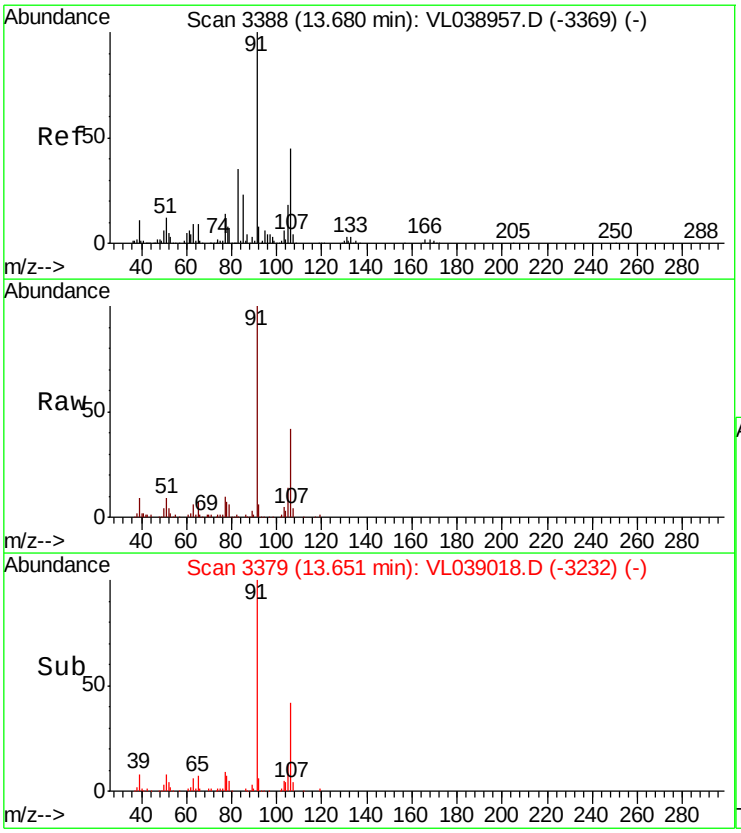
#59
m/p-Xylene
Concen: 0.206 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion: 91 Resp: 62813

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#

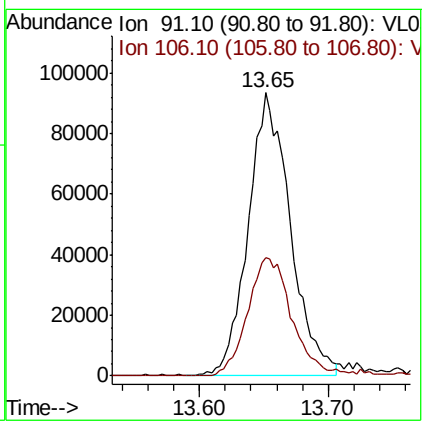


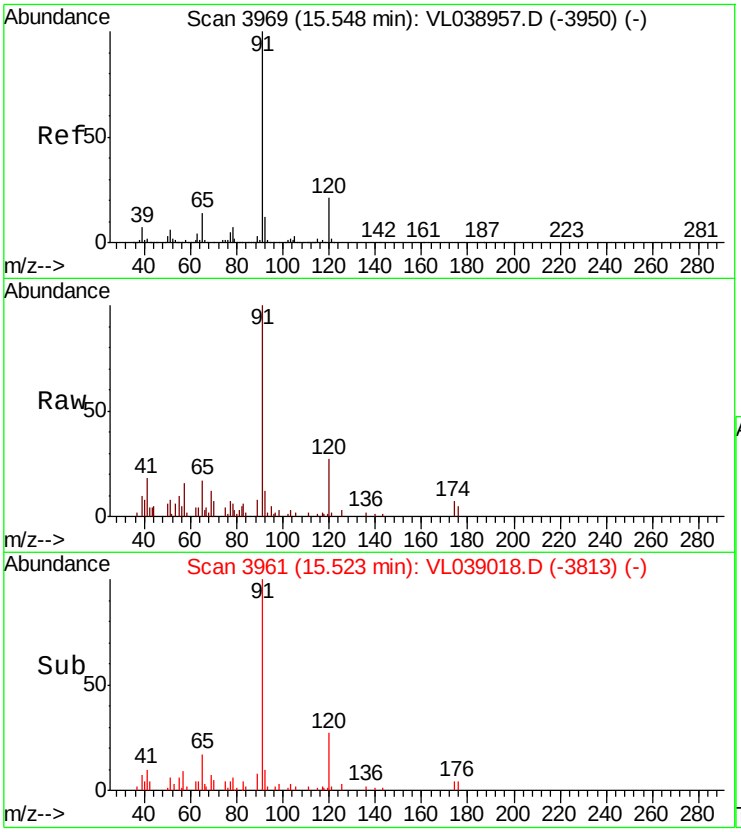


#60
o-Xylene
Concen: 0.737 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.03 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 91 Resp: 211335

Ion	Ratio	Lower	Upper
91	100		
106	45.2	22.2	66.6



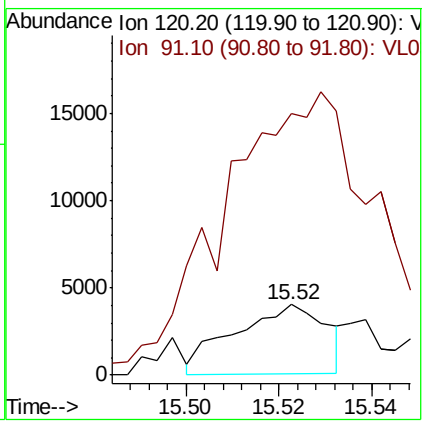


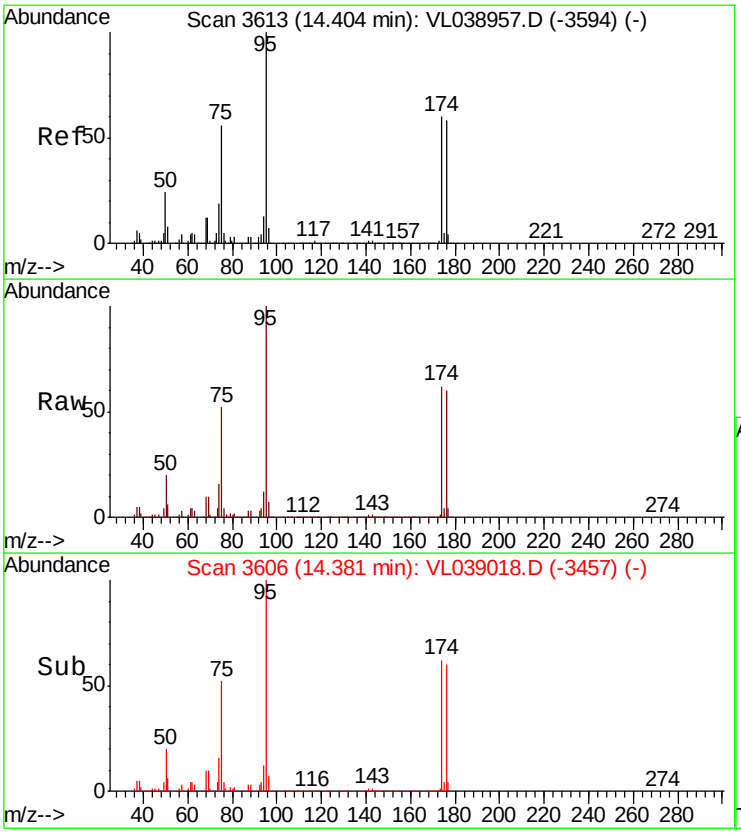
#64
n-propylbenzene
Concen: 0.054 ppbv
RT: 15.52
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion:120 Resp: 5469

Ion	Ratio	Lower	Upper
120	100		
91	789.8	400.6	601.0#

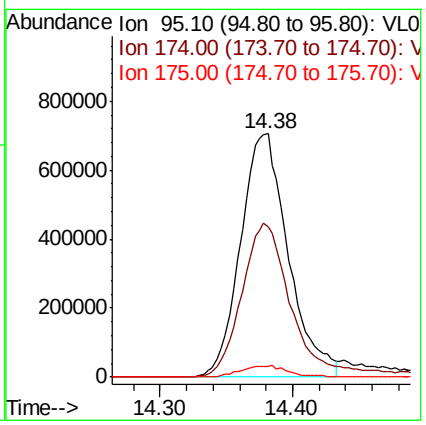


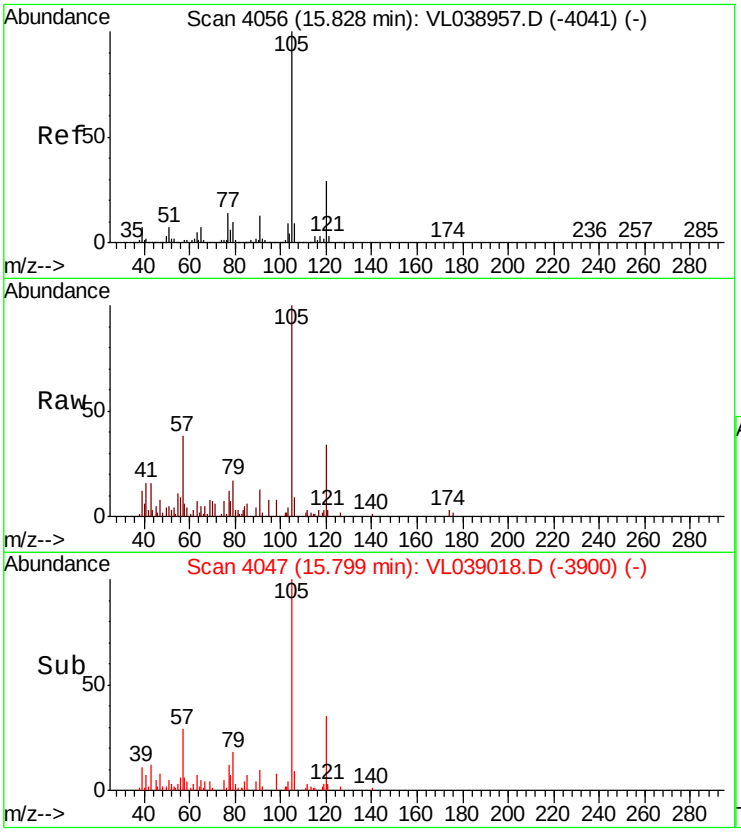


#68
1-Bromo-4-Fluorobenzene
Concen: 8.972 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.02 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion: 95 Resp: 1762494

Ion	Ratio	Lower	Upper
95	100		
174	69.5	50.8	76.2
175	4.9	3.8	5.6



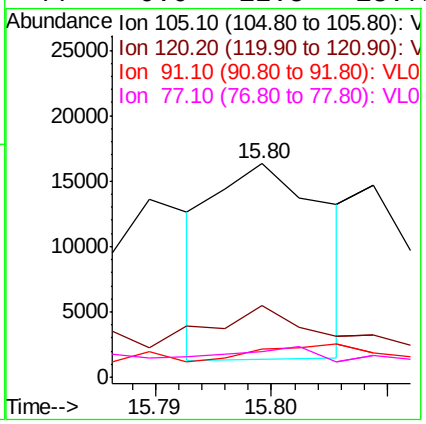


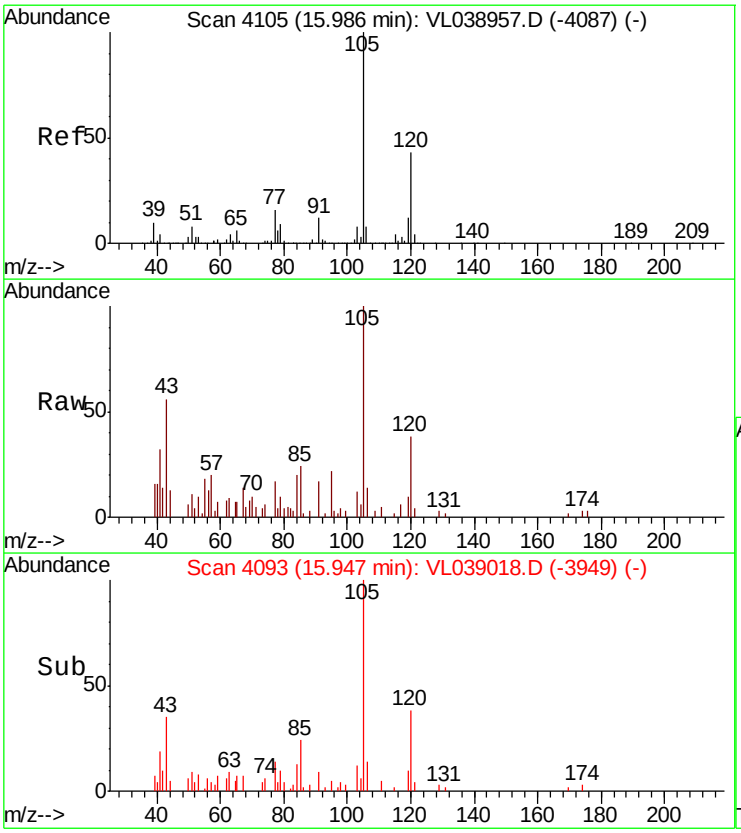
#72
4-Ethyltoluene
Concen: 0.031 ppbv
RT: 15.80
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion:105 Resp: 10086

Ion	Ratio	Lower	Upper
105	100		
120	114.7	23.4	35.0#
91	0.0	10.6	16.0#
77	0.0	12.5	18.7#

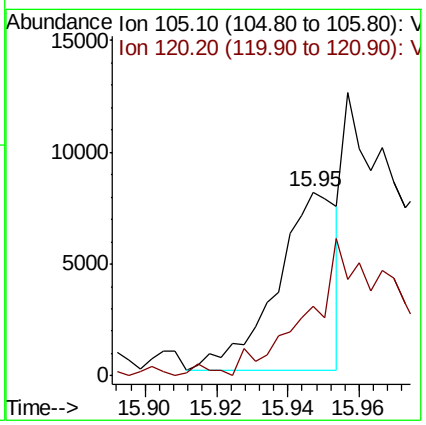


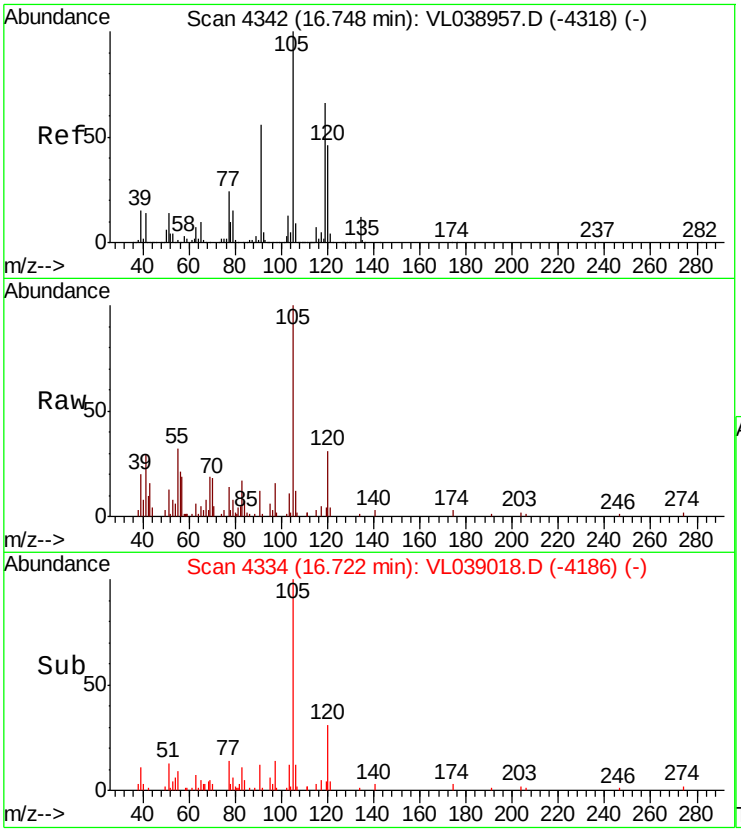


#73
1,3,5-Trimethylbenzene
Concen: 0.032 ppbv
RT: 15.95 min Scan# 4093
Delta R.T. -0.04 min
Lab File: VL039018.D
Acq: 10 May 2022 13:21

Tgt Ion:105 Resp: 9285

Ion	Ratio	Lower	Upper
105	100		
120	36.8	34.4	51.6





#74
1,2,4-Trimethylbenzene
Concen: 0.101 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 10 May 2022 13:21

Instrument :
MSVOA_L
ClientSampleId :
SV3DL2

Tgt Ion:105 Resp: 32536

Ion	Ratio	Lower	Upper
105	100		
120	30.2	36.9	55.3#
91	10.4	45.0	67.4#
77	14.0	19.2	28.8#