Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
Data File : VL038866.D
Acq On : 8 Apr 2022 9:08
Operator : SY/AP
Sample : N2274-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Quant Time: Apr 09 14:36:44 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1023585	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.20	114	2565084	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.10	117	2297314	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	1888363	10.84	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 108.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.07	85	5269	0.04	ppbv		91
3) Chlorodifluoromethane	3.01	51	7970	0.06	ppbv		94
9) Propene	3.04	41	16344	0.25	ppbv	#	80
10) Heptane	8.14	43	439835	2.64	ppbv		100
13) Ethanol	3.63	45	8661005	2156.34	ppbv	#	100
15) Acetone	3.87	43	287841	2.82	ppbv		92
17) tert-Butyl alcohol	4.00	59	67410	0.74	ppbv		99
19) Isopropyl Alcohol	3.99	45	2055203	39.46	ppbv	#	100
20) Methylene Chloride	4.37	84	33756	0.91	ppbv	#	94
21) Allyl Chloride	4.39	41	3054	0.04	ppbv	#	1
23) Vinyl Acetate	5.09	43	15597	0.16	ppbv	#	1
25) Ethyl Acetate	5.71	43	186200	0.72	ppbv	#	87
26) Hexane	5.71	57	213320	1.81	ppbv	#	48
30) Cyclohexane	7.16	84	74522	0.72	ppbv	#	1
34) 2-Butanone	5.27	43	26439	0.26	ppbv	#	55
36) Benzene	6.91	78	208601	0.89	ppbv		98
39) 1,2-Dichloropropane	7.20	63	656555	7.36	ppbv	#	26
41) Tetrahydrofuran	6.08	42	76178	0.79	ppbv		98
42) Bromodichloromethane	7.82	83	20833	0.12	ppbv	#	24
44) 2,2,4-Trimethylpentane	7.89	57	248588	0.63	ppbv	#	20
51) 2-Hexanone	10.13	43	201787	1.17	ppbv	#	26
53) Toluene	9.83	91	1714213	6.36	ppbv		98
58) Ethyl Benzene	12.73	91	1371650	4.00	ppbv		96
59) m/p-Xylene	12.99	91	2873426	9.96	ppbv		100
60) o-Xylene	13.71	91	1321103	4.90	ppbv		93
62) Isopropylbenzene	14.69	105	208123	0.51	ppbv		95
64) n-propylbenzene	15.58	120	76283	0.73	ppbv	#	1
65) tert-Butylbenzene	16.78	119	161049	0.45	ppbv	#	55
66) Benzyl Chloride	17.23	91	37020	0.51	ppbv	#	65
67) sec-Butylbenzene	17.31	105	154266	0.31	ppbv		98
69) p-Isopropyltoluene	17.67	119	63931	0.15	ppbv		94
70) n-Butylbenzene	18.57	91	93002	0.22	ppbv	#	1
71) 2-Chlorotoluene	15.58	91	702200	2.31	ppbv	#	43
72) 4-Ethyltoluene	15.86	105	632512	1.96	ppbv		98
73) 1,3,5-Trimethylbenzene	16.02	105	501422	1.73	ppbv		91
74) 1,2,4-Trimethylbenzene	16.78	105	1514886	4.95	ppbv	#	71

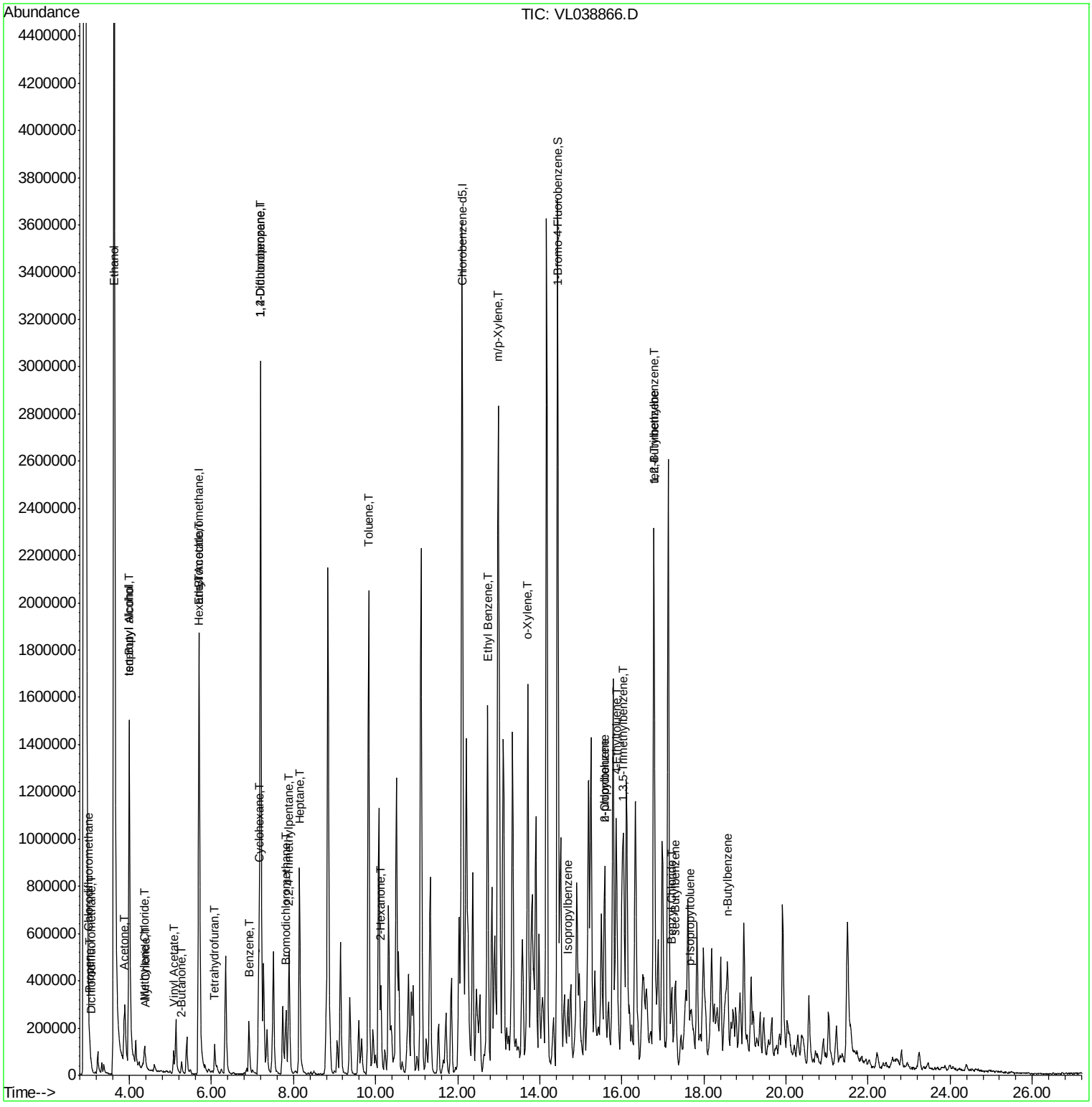
(#) = qualifier out of range (m) = manual integration (+) = signals summed

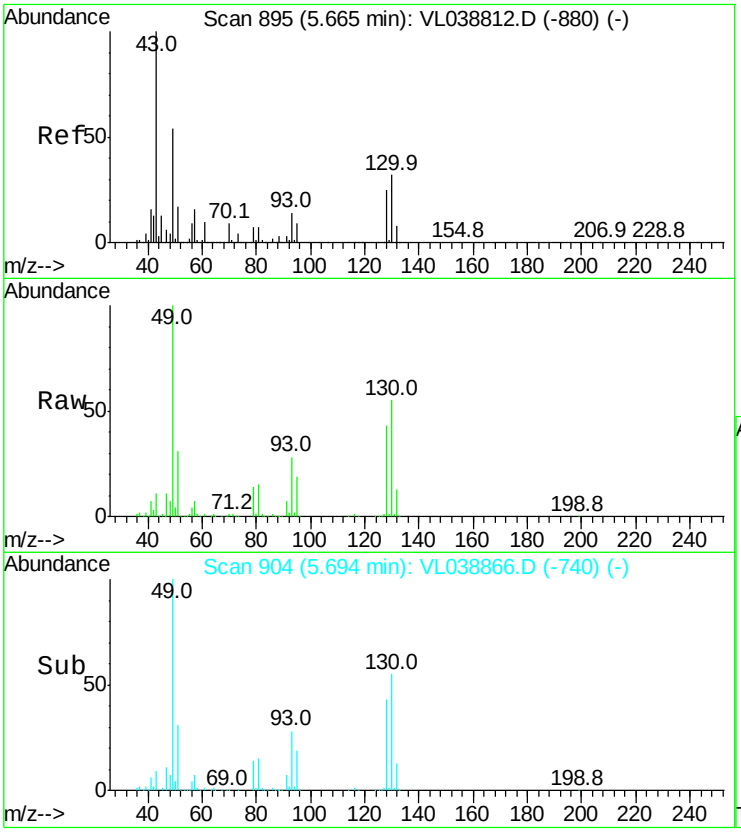
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040722\
Data File : VL038866.D
Acq On : 8 Apr 2022 9:08
Operator : SY/AP
Sample : N2274-03DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Quant Time: Apr 09 14:36:44 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL040522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration



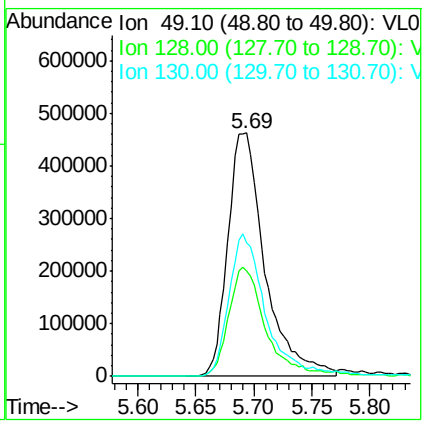


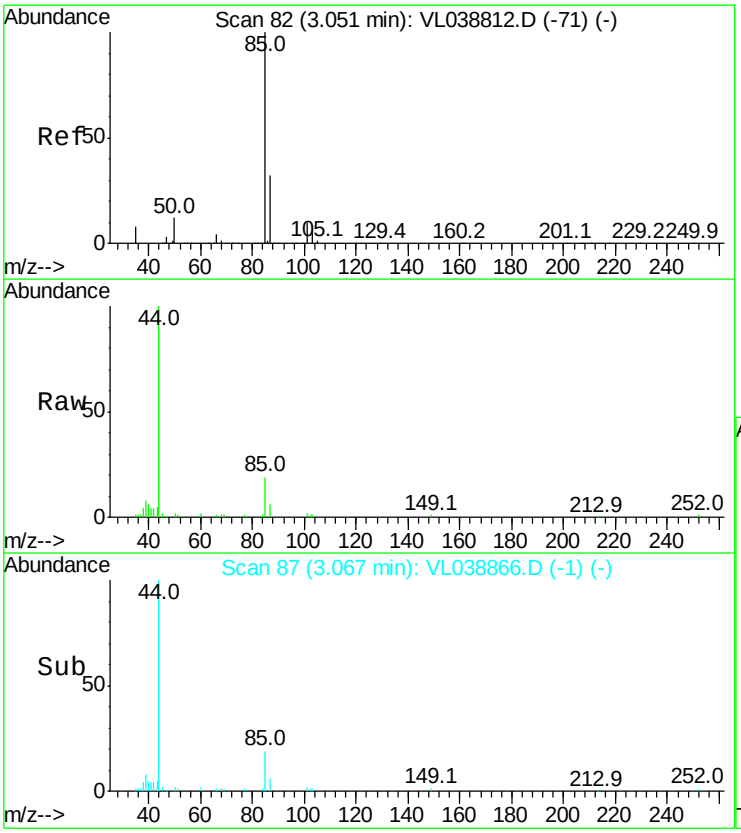
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 49 Resp: 1023585

Ion	Ratio	Lower	Upper
49	100		
128	45.5	24.1	72.3
130	60.0	30.9	92.8

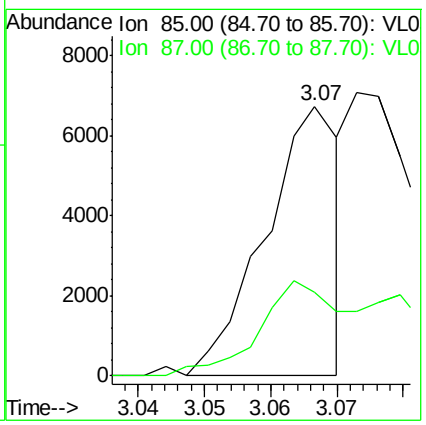


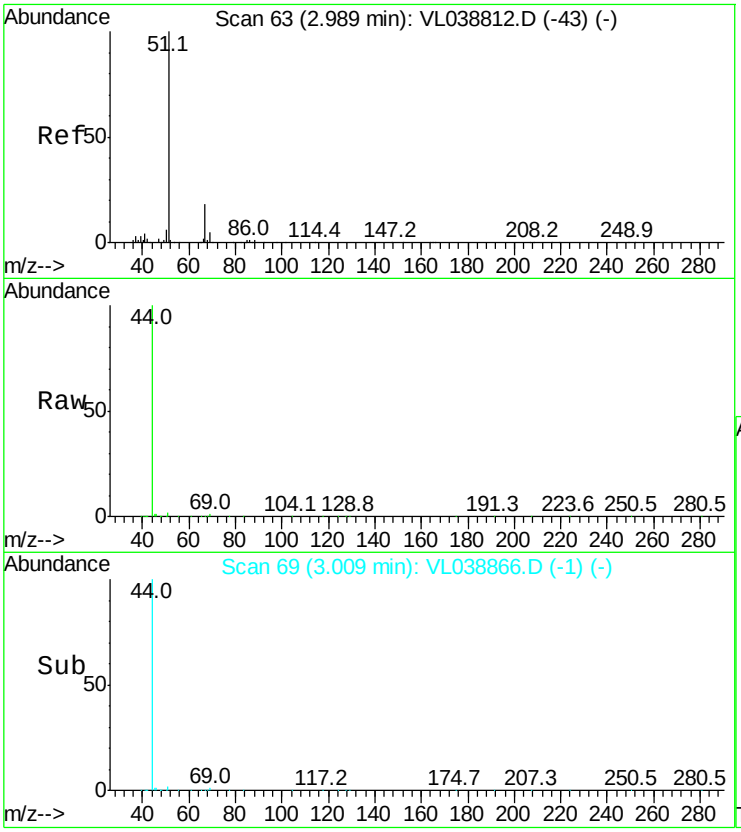


#2
Dichlorodifluoromethane
Concen: 0.04 ppbv
RT: 3.07 min Scan# 87
Delta R.T. 0.02 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 85 Resp: 5269

Ion	Ratio	Lower	Upper
85	100		
87	27.4	25.9	38.9



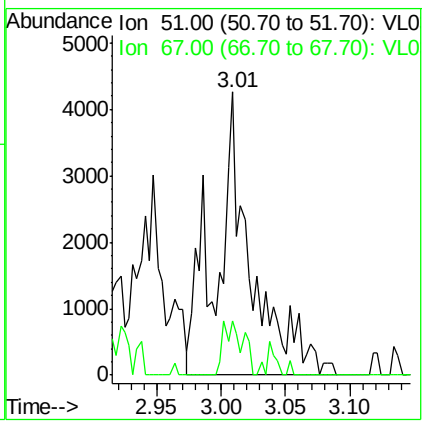


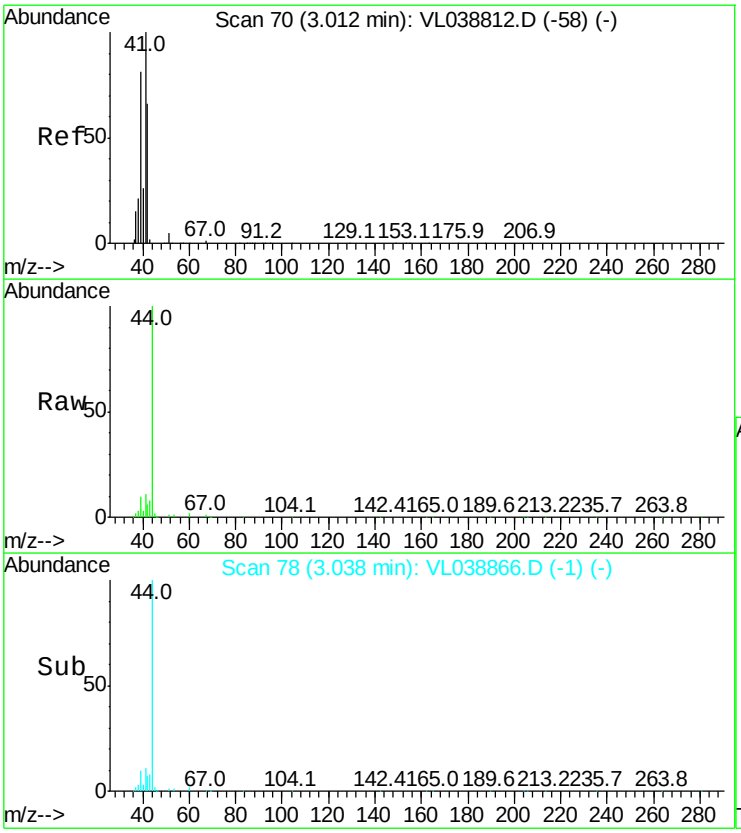
#3
Chlorodifluoromethane
Concen: 0.06 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 51 Resp: 7970

Ion	Ratio	Lower	Upper
51	100		
67	14.3	13.4	20.0

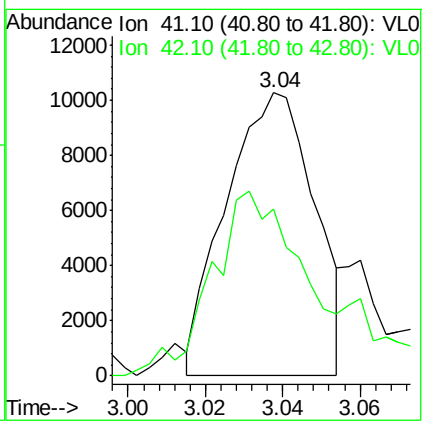


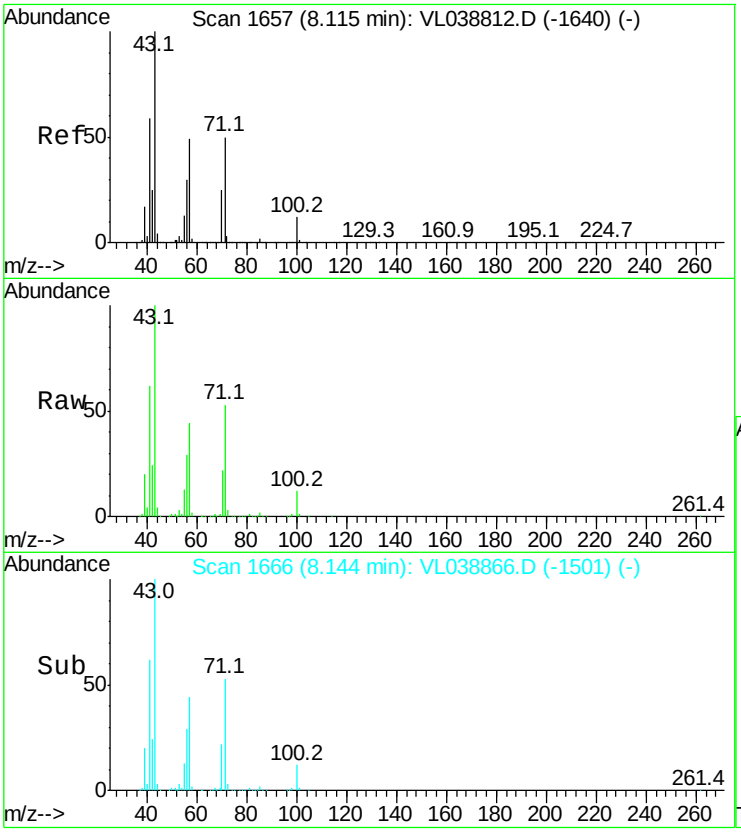


#9
Propene
Concen: 0.25 ppbv
RT: 3.04 min Scan# 78
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 41 Resp: 16344

Ion	Ratio	Lower	Upper
41	100		
42	83.6	54.2	81.4#



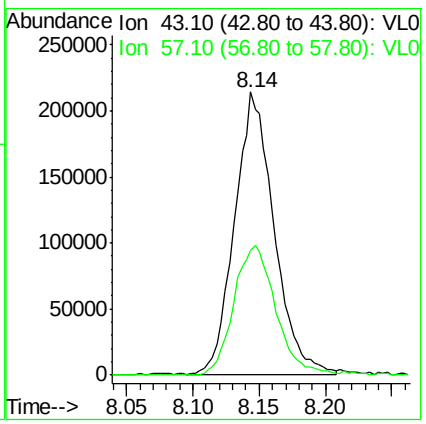


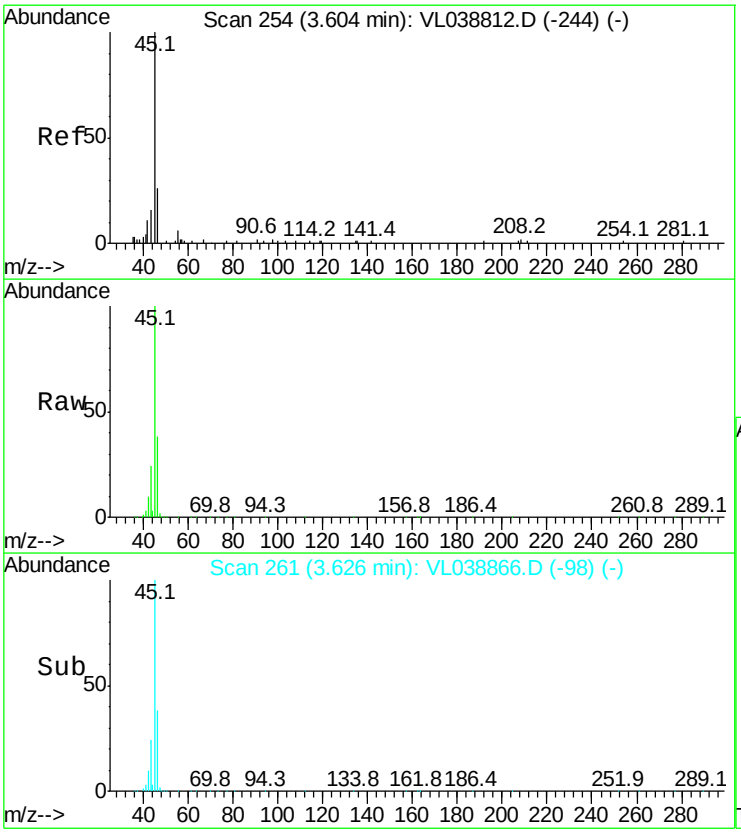
#10
Heptane
Concen: 2.64 ppbv
RT: 8.14
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 43 Resp: 439835

Ion	Ratio	Lower	Upper
43	100		
57	48.9	39.3	58.9

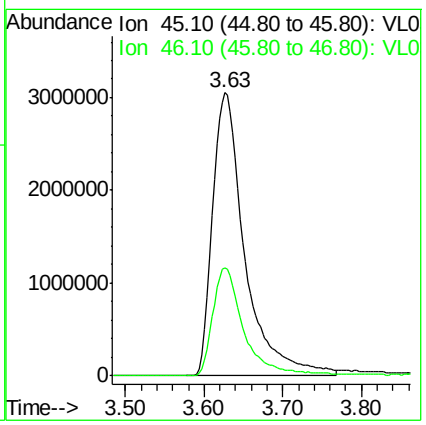


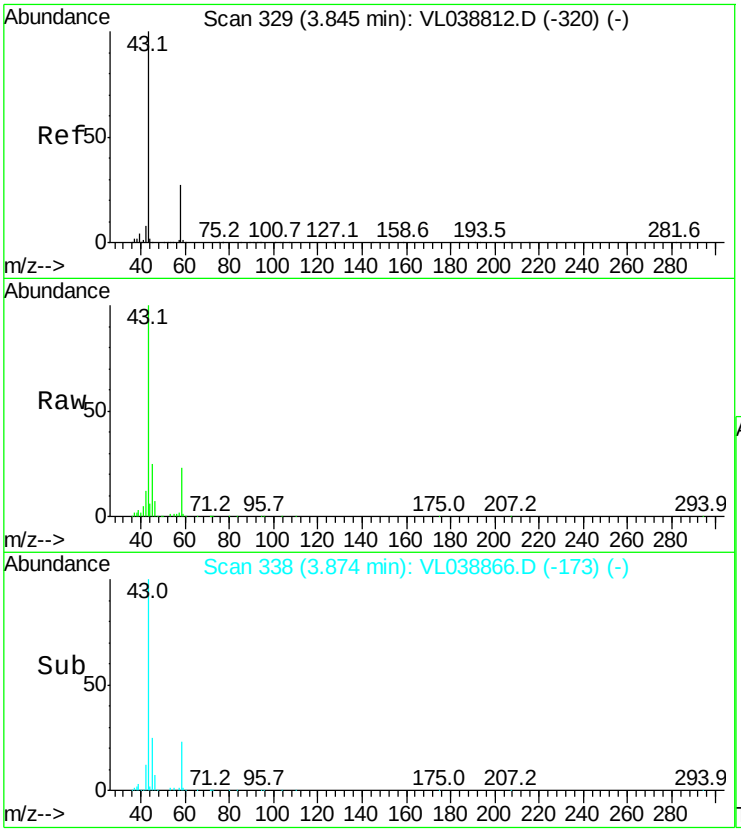


#13
Ethanol
Concen: 2156.34 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 45 Resp: 8661005

Ion	Ratio	Lower	Upper
45	100		
46	37.3	0.0	0.0#



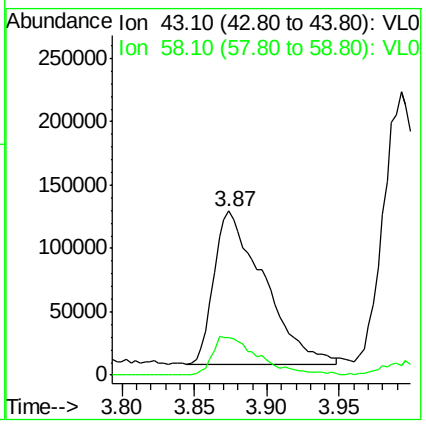


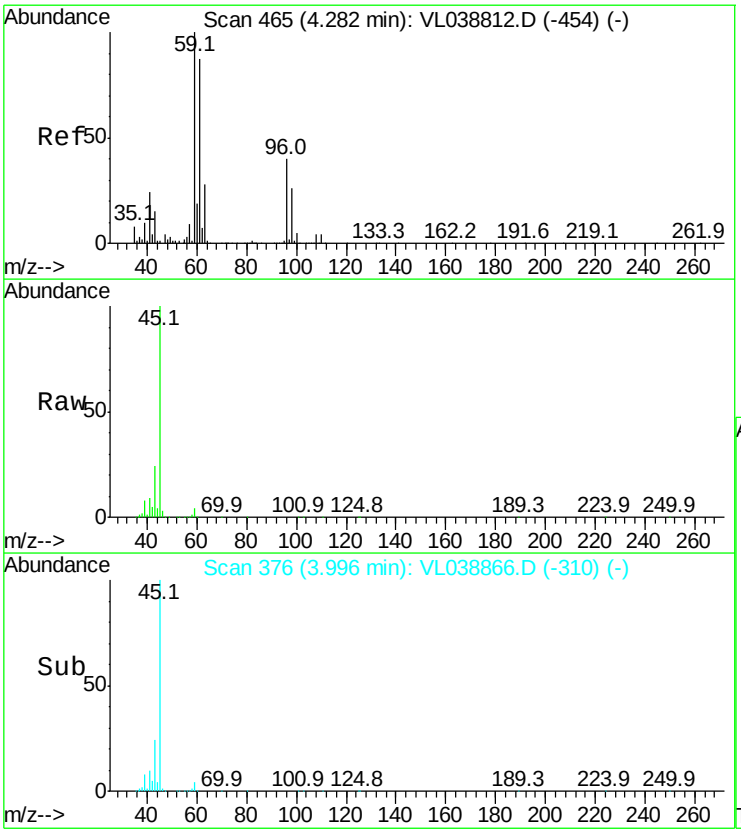
#15
Acetone
Concen: 2.82 ppbv
RT: 3.87
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 43 Resp: 287841

Ion	Ratio	Lower	Upper
43	100		
58	23.8	22.5	33.7

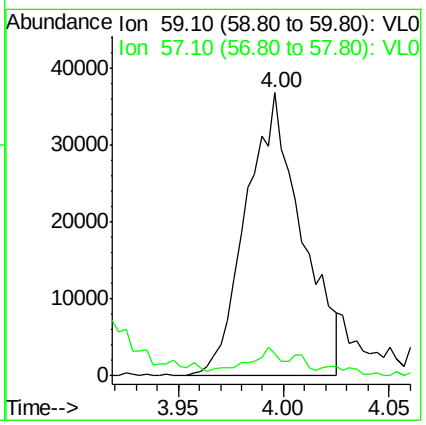


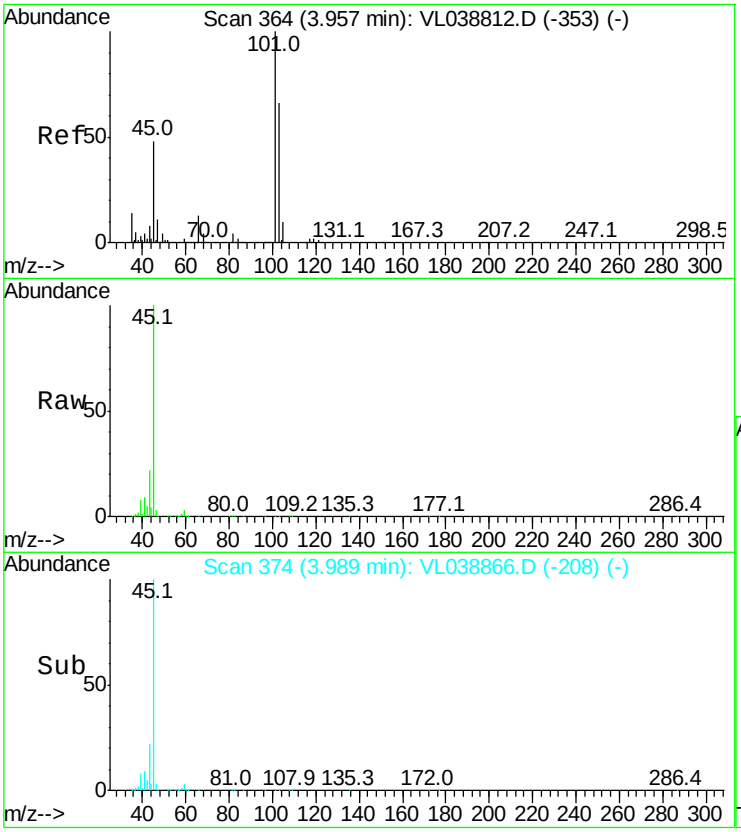


#17
tert-Butyl alcohol
Concen: 0.74 ppbv
RT: 4.00 min Scan# 376
Delta R.T. -0.29 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 59 Resp: 67410

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7



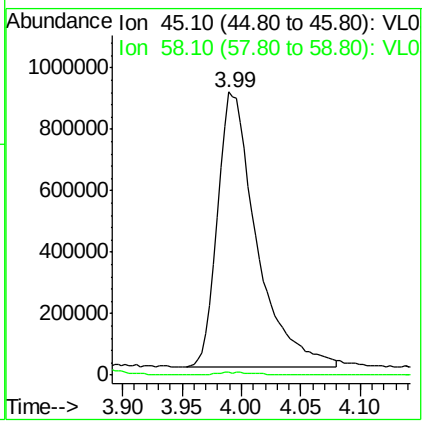


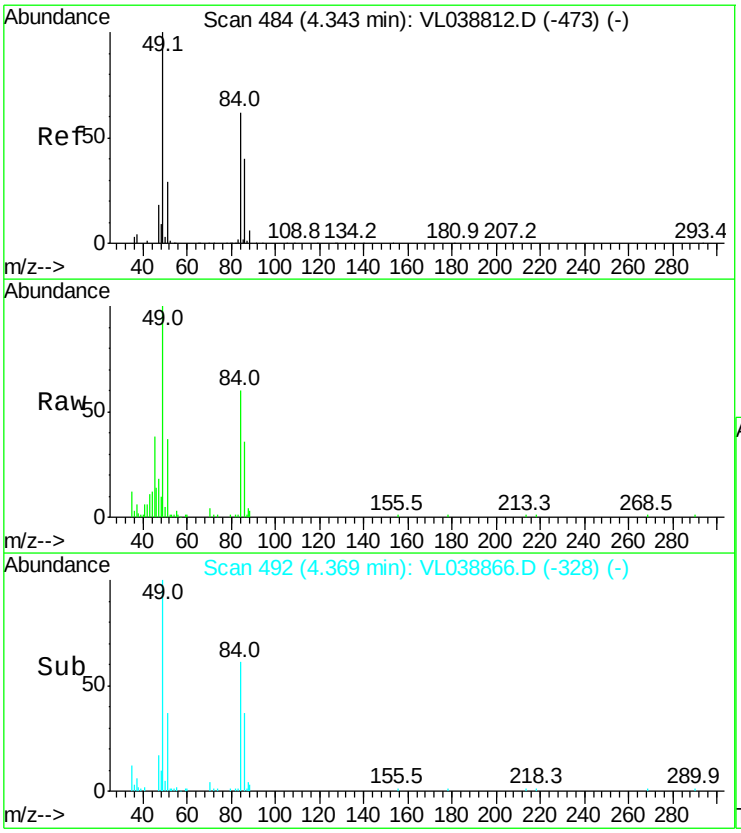
#19
Isopropyl Alcohol
Concen: 39.46 ppbv
RT: 3.99
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 45 Resp: 2055203

Ion	Ratio	Lower	Upper
45	100		
58	1.2	0.0	0.0#

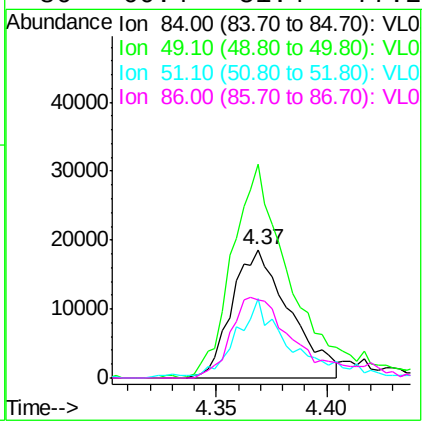


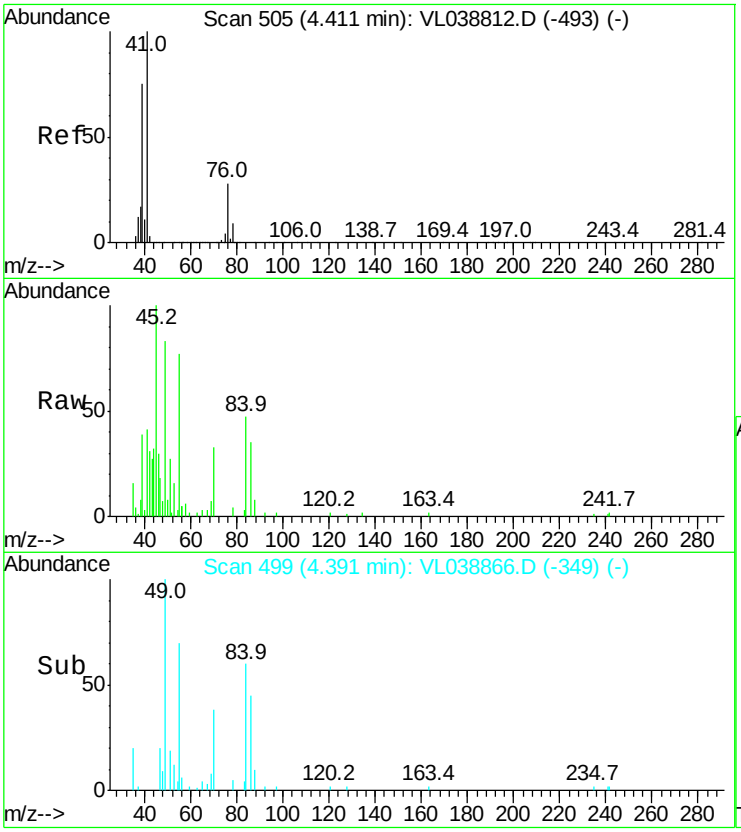


#20
Methylene Chloride
Concen: 0.91 ppbv
RT: 4.37 min Scan# 492
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 84 Resp: 33756

Ion	Ratio	Lower	Upper
84	100		
49	164.7	129.4	194.0
51	59.9	37.4	56.2#
86	60.4	51.4	77.2



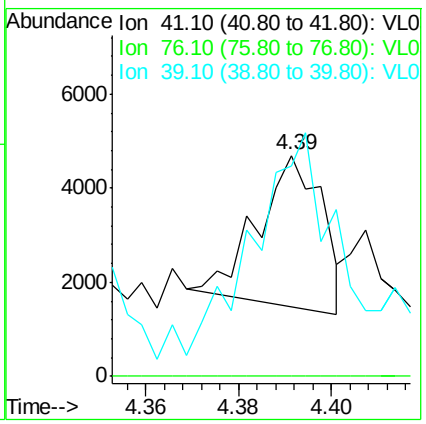


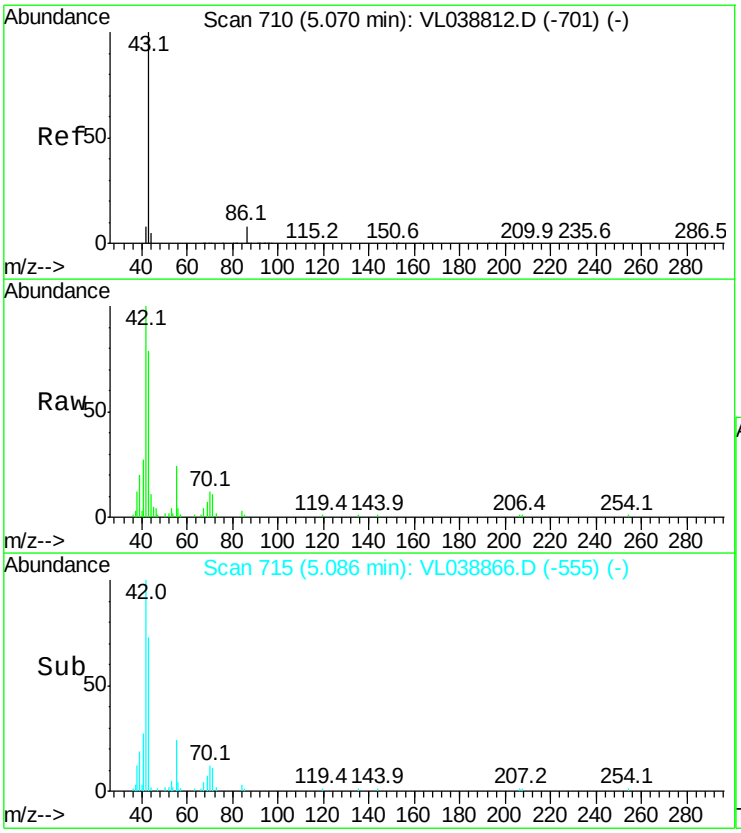
#21
Allyl Chloride
Concen: 0.04 ppbv
RT: 4.39
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 41 Resp: 3054

Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	243.2	62.0	93.0#

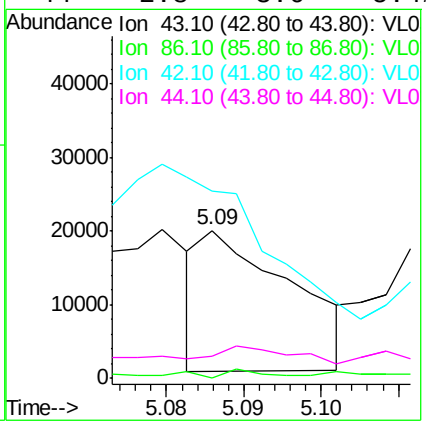


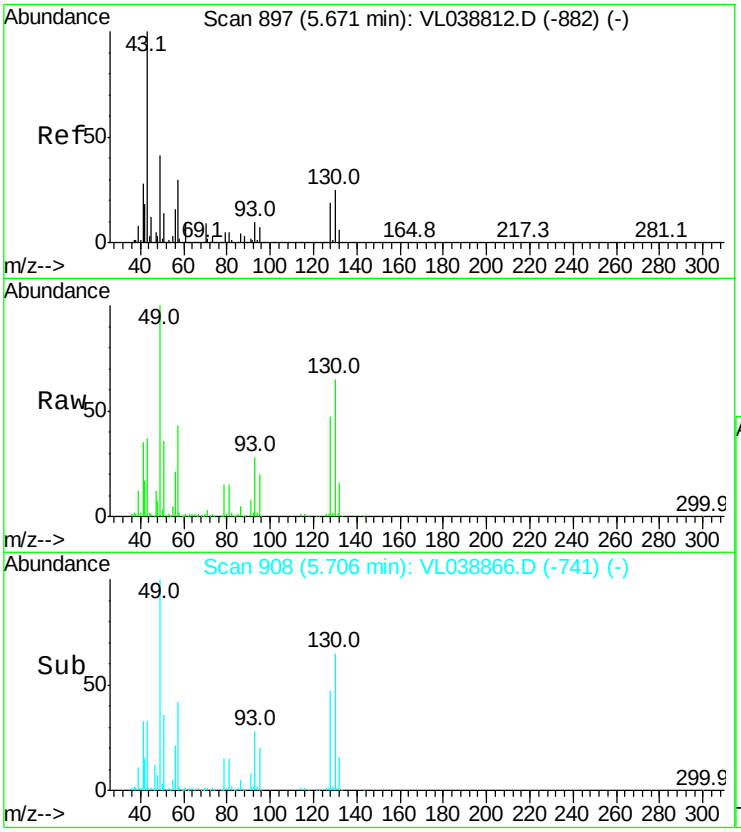


#23
Vinyl Acetate
Concen: 0.16 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.02 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 43 Resp: 15597

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	148.2	7.8	11.6#
44	2.8	3.6	5.4#



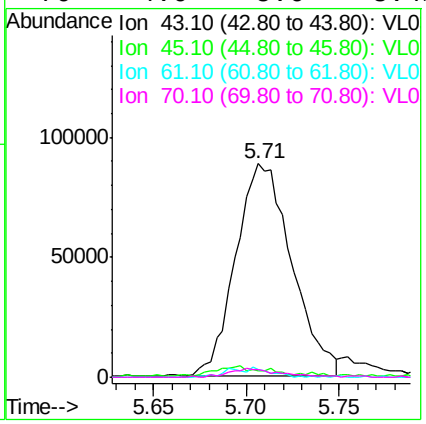


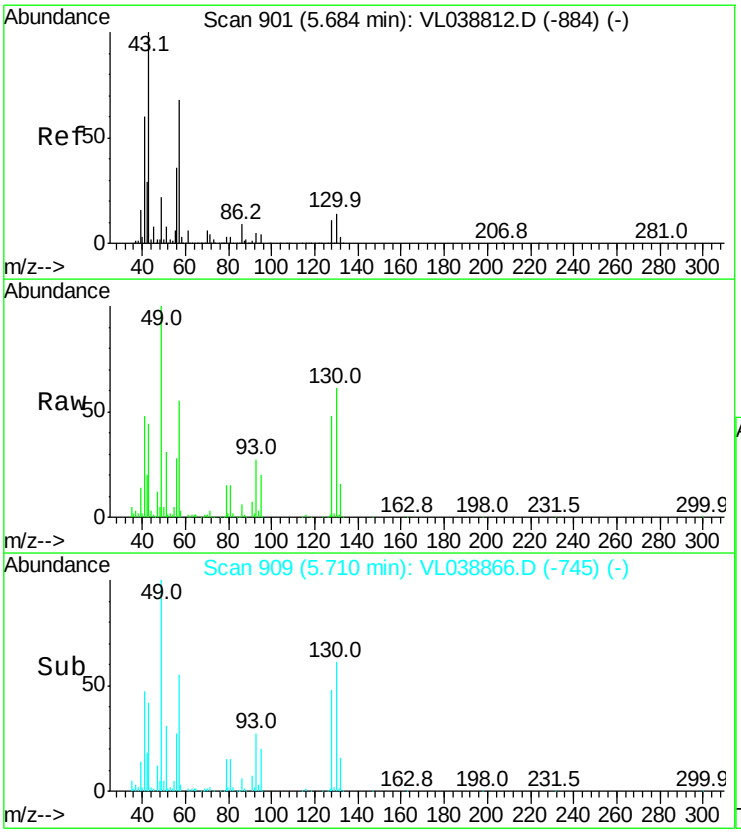
#25
Ethyl Acetate
Concen: 0.72 ppbv
RT: 5.71
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 43 Resp: 186200

Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.4	12.6#
61	3.8	7.9	11.9#
70	4.0	5.6	8.4#

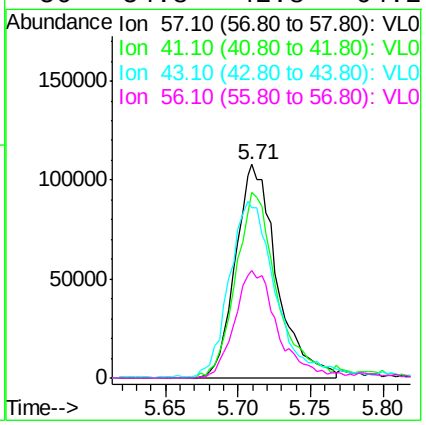


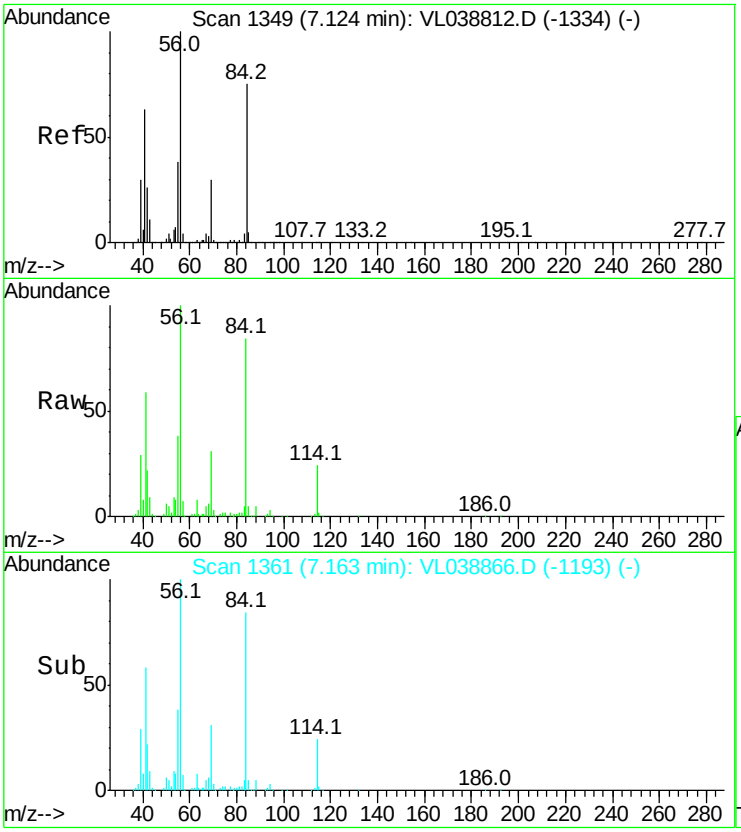


#26
Hexane
Concen: 1.81 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 57 Resp: 213320

Ion	Ratio	Lower	Upper
57	100		
41	91.6	72.0	108.0
43	94.4	186.6	280.0#
56	54.8	42.8	64.2



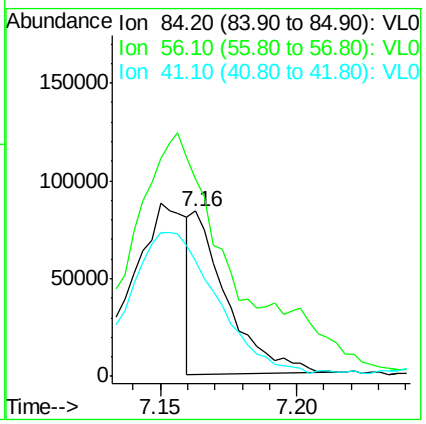


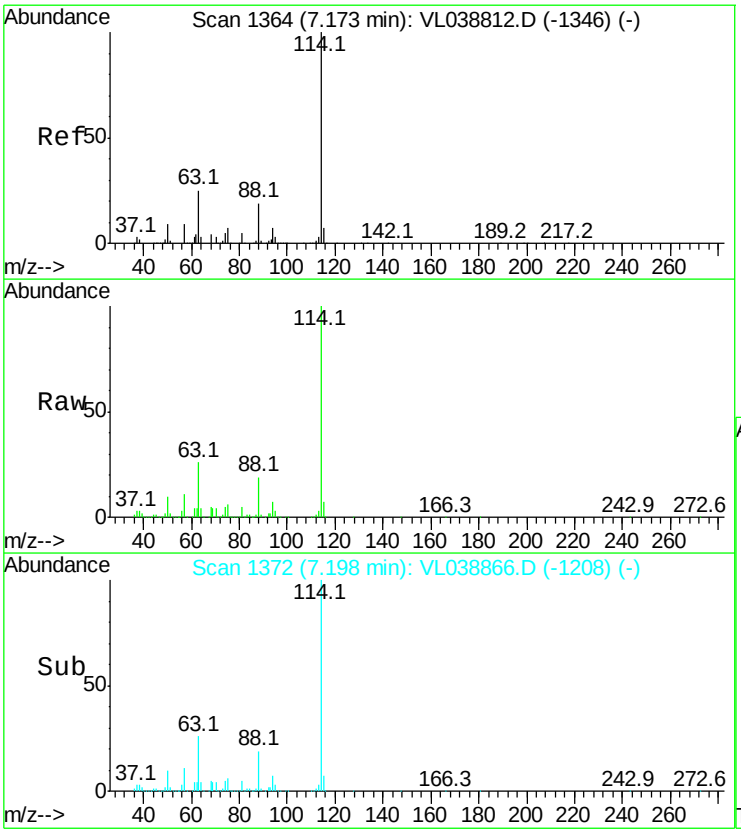
#30
Cyclohexane
Concen: 0.72 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 84 Resp: 74522

Ion	Ratio	Lower	Upper
84	100		
56	439.5	114.4	171.6#
41	0.0	69.0	103.4#

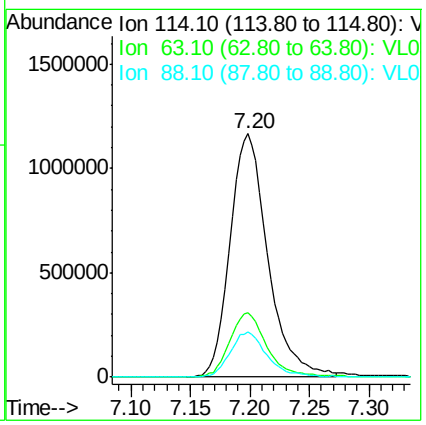


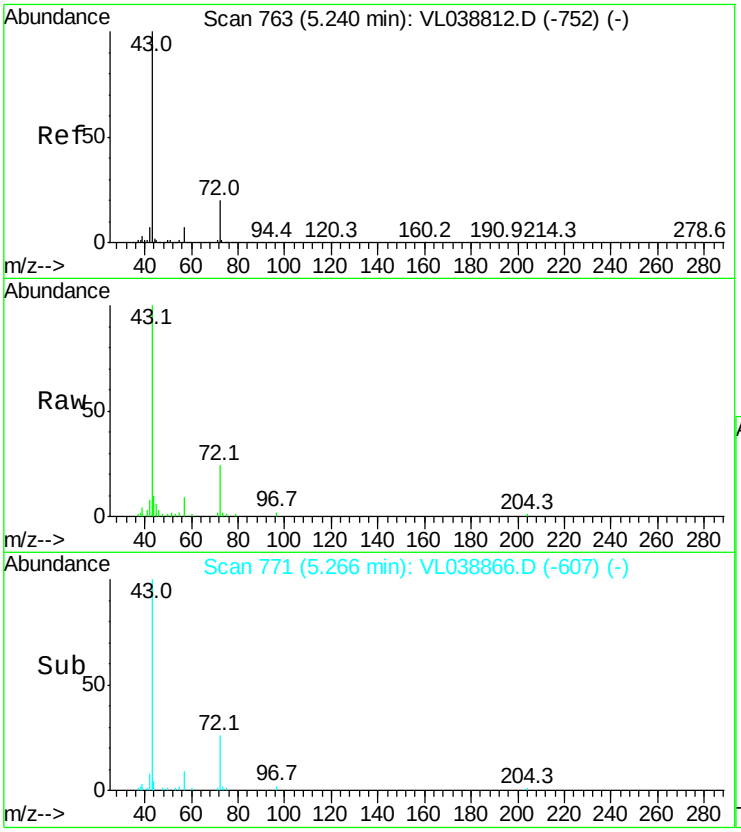


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion:114 Resp: 2565084

Ion	Ratio	Lower	Upper
114	100		
63	26.5	19.8	29.8
88	18.4	14.2	21.4



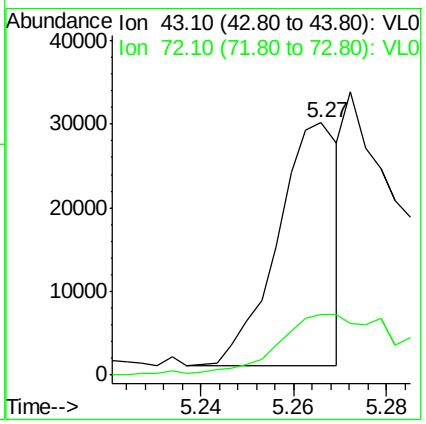


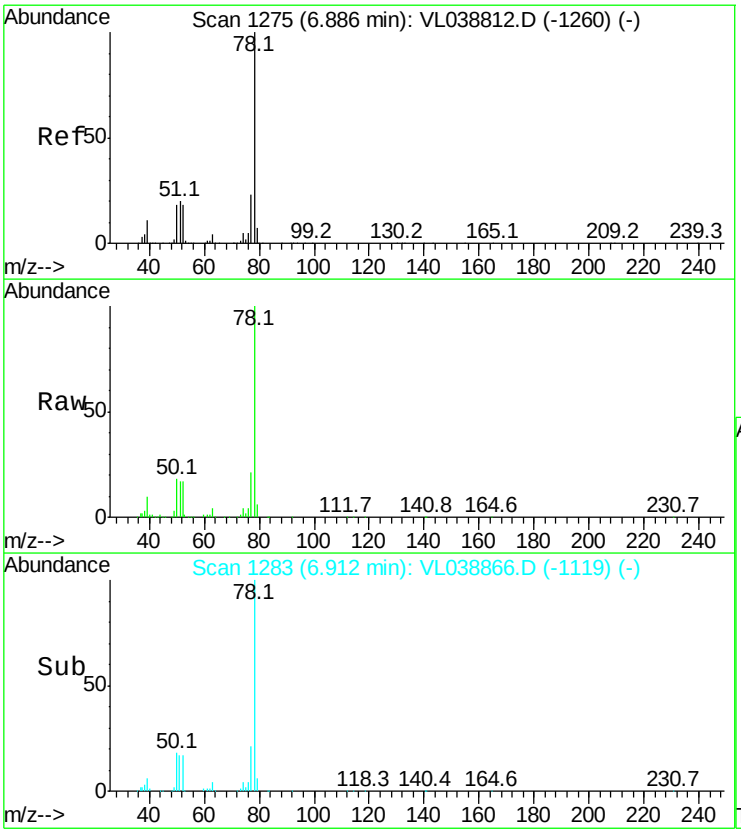
#34
2-Butanone
Concen: 0.26 ppbv
RT: 5.27
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 43 Resp: 26439

Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.9	25.3#

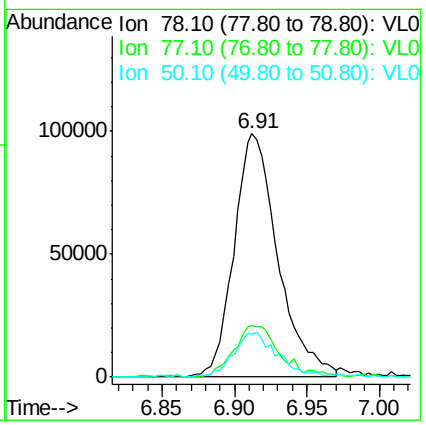


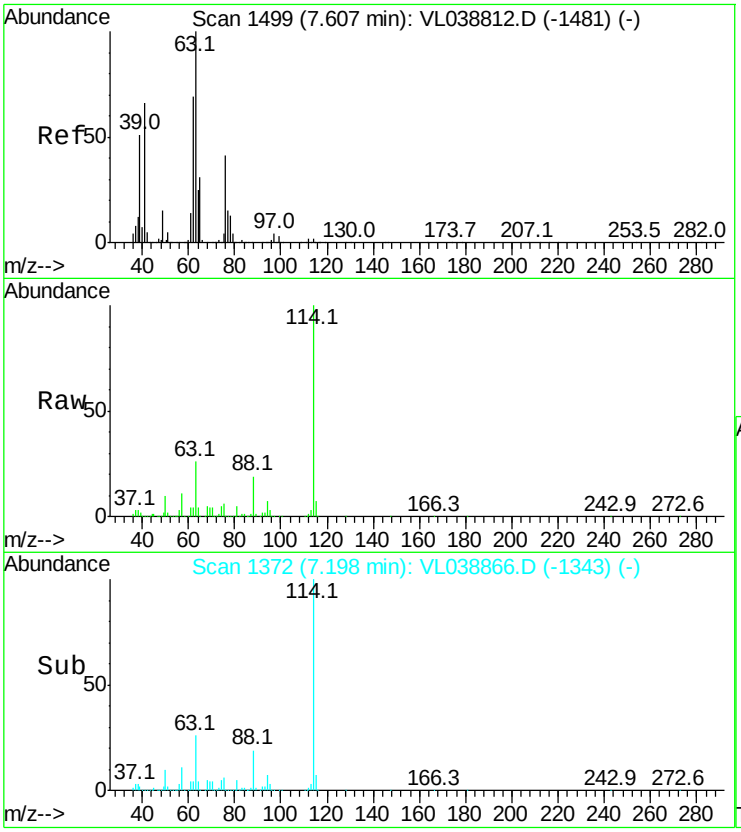


#36
Benzene
Concen: 0.89 ppbv
RT: 6.91 min Scan# 1283
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 78 Resp: 208601

Ion	Ratio	Lower	Upper
78	100		
77	21.5	18.2	27.2
50	17.6	14.0	21.0



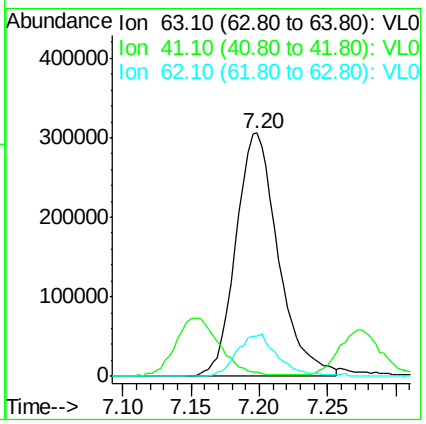


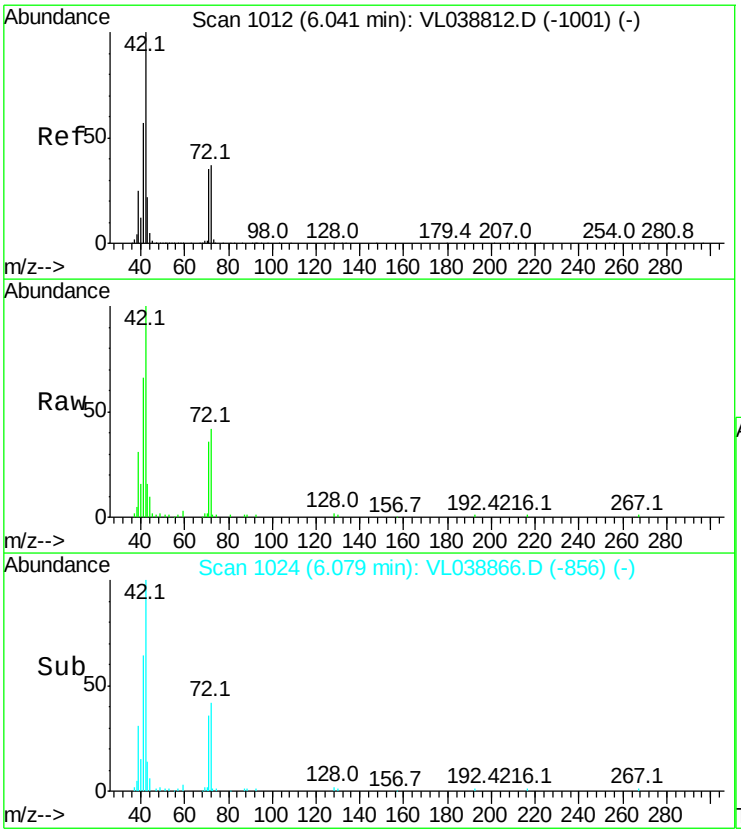
#39
1,2-Dichloropropane
Concen: 7.36 ppbv
RT: 7.20
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 63 Resp: 656555

Ion	Ratio	Lower	Upper
63	100		
41	0.0	53.0	79.6#
62	16.5	55.0	82.4#

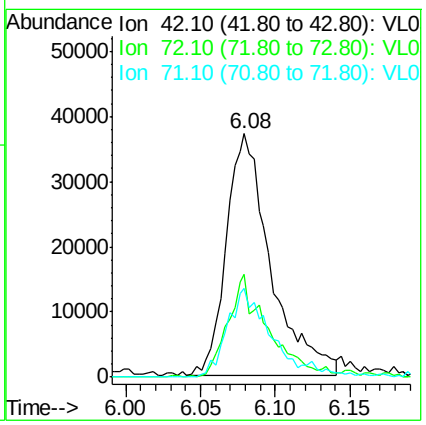


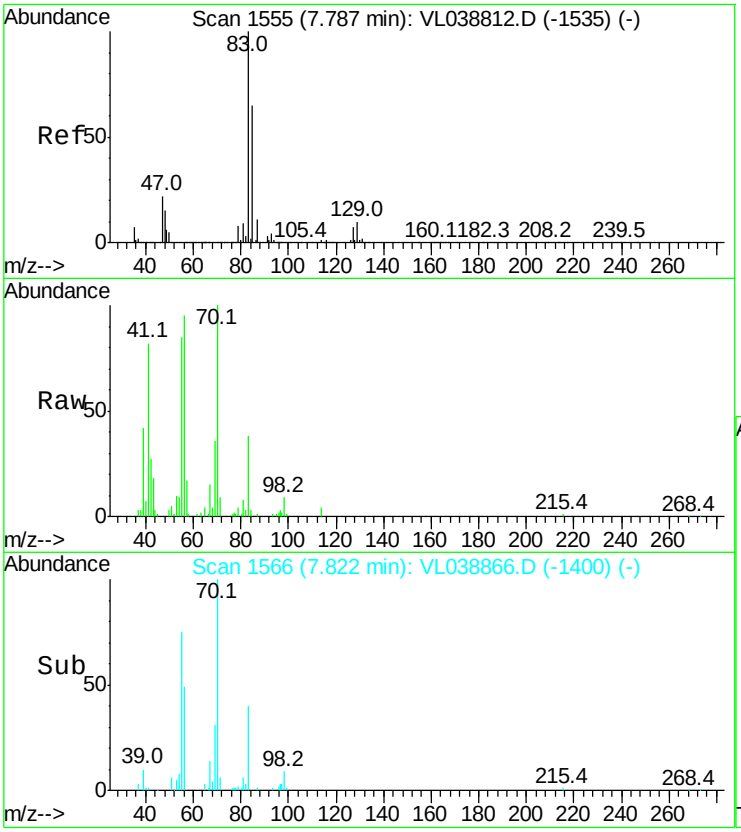


#41
Tetrahydrofuran
Concen: 0.79 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. 0.04 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 42 Resp: 76178

Ion	Ratio	Lower	Upper
42	100		
72	40.6	31.4	47.0
71	37.3	30.2	45.4



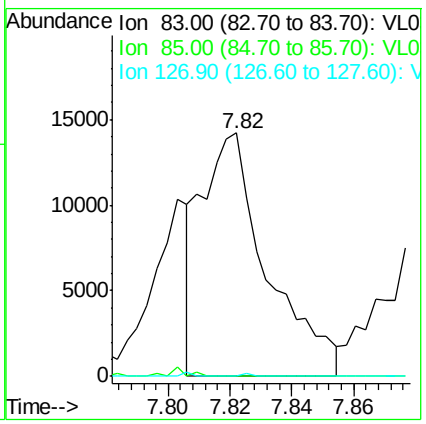


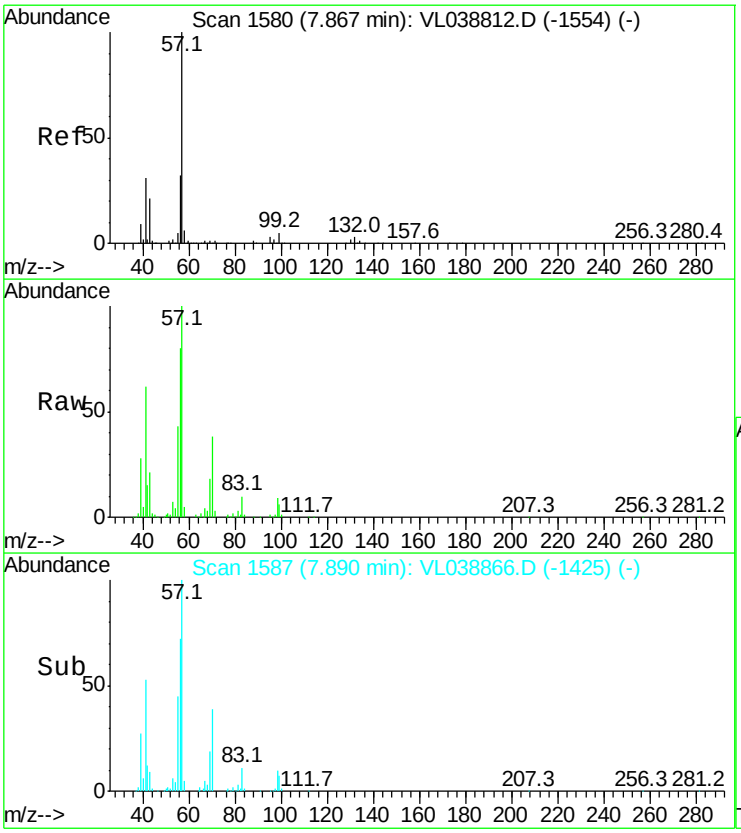
#42
Bromodichloromethane
Concen: 0.12 ppbv
RT: 7.82
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 83 Resp: 20833

Ion	Ratio	Lower	Upper
83	100		
85	0.0	51.7	77.5#
127	0.0	5.9	8.9#

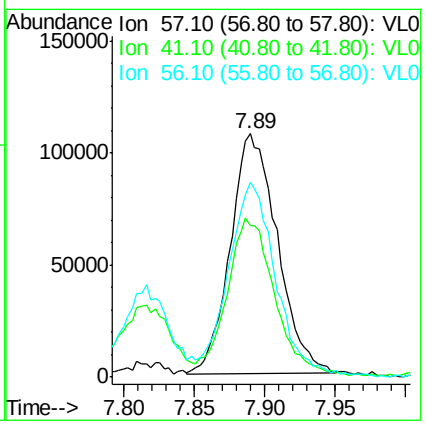


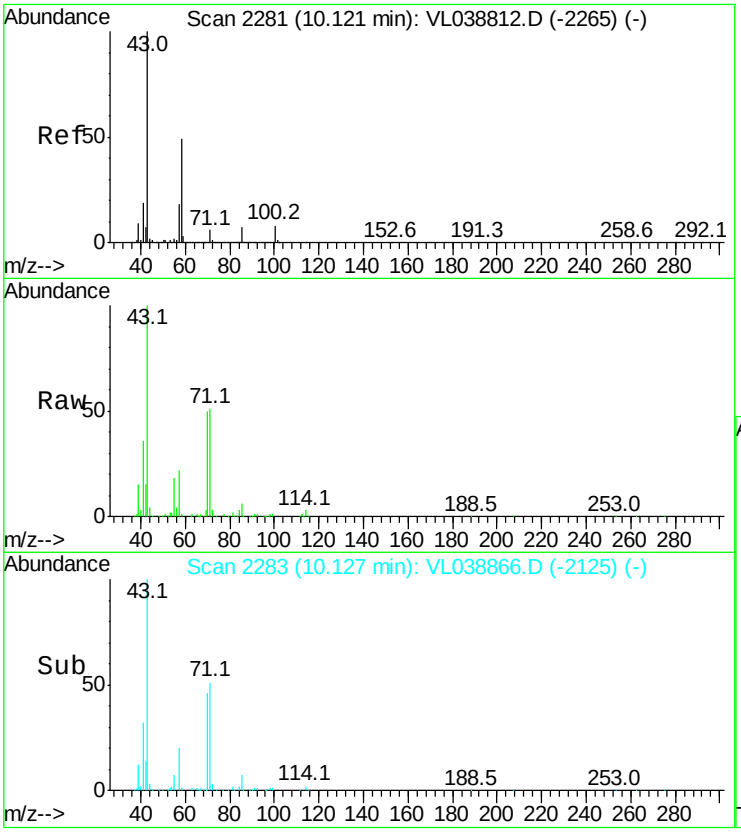


#44
2,2,4-Trimethylpentane
Concen: 0.63 ppbv
RT: 7.89 min Scan# 1587
Delta R.T. 0.02 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 57 Resp: 248588

Ion	Ratio	Lower	Upper
57	100		
41	68.2	25.0	37.4#
56	83.3	25.3	37.9#



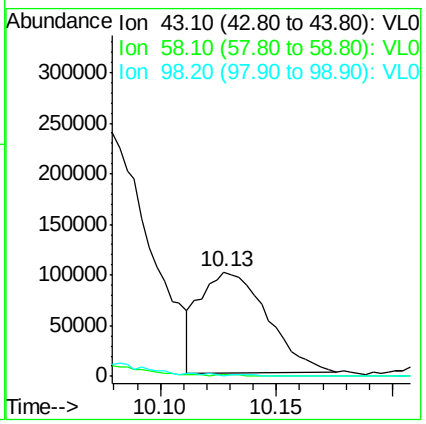


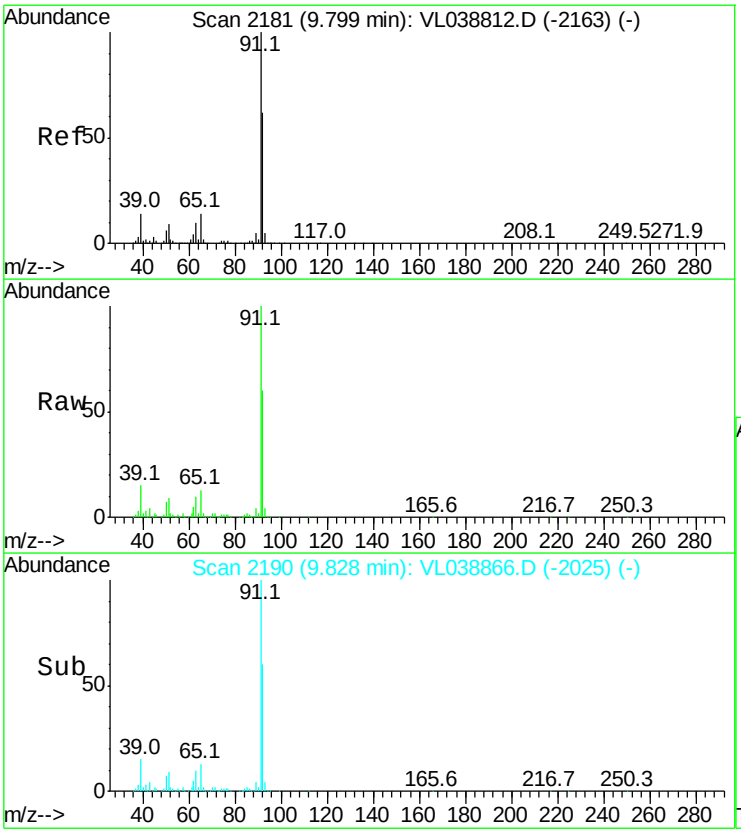
#51
2-Hexanone
Concen: 1.17 ppbv
RT: 10.13
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 43 Resp: 201787

Ion	Ratio	Lower	Upper
43	100		
58	0.0	41.4	62.0#
98	0.0	0.1	0.1#

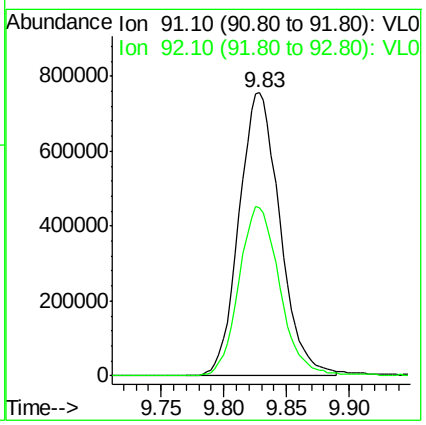


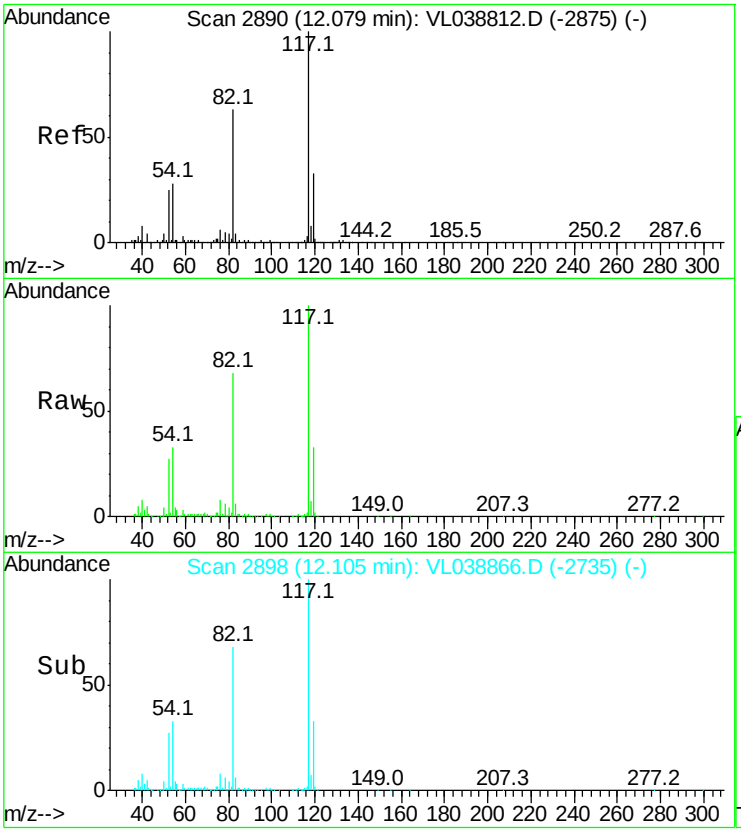


#53
Toluene
Concen: 6.36 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 1714213

Ion	Ratio	Lower	Upper
91	100		
92	60.0	49.2	73.8



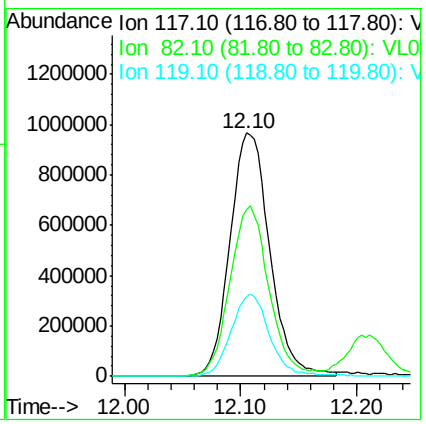


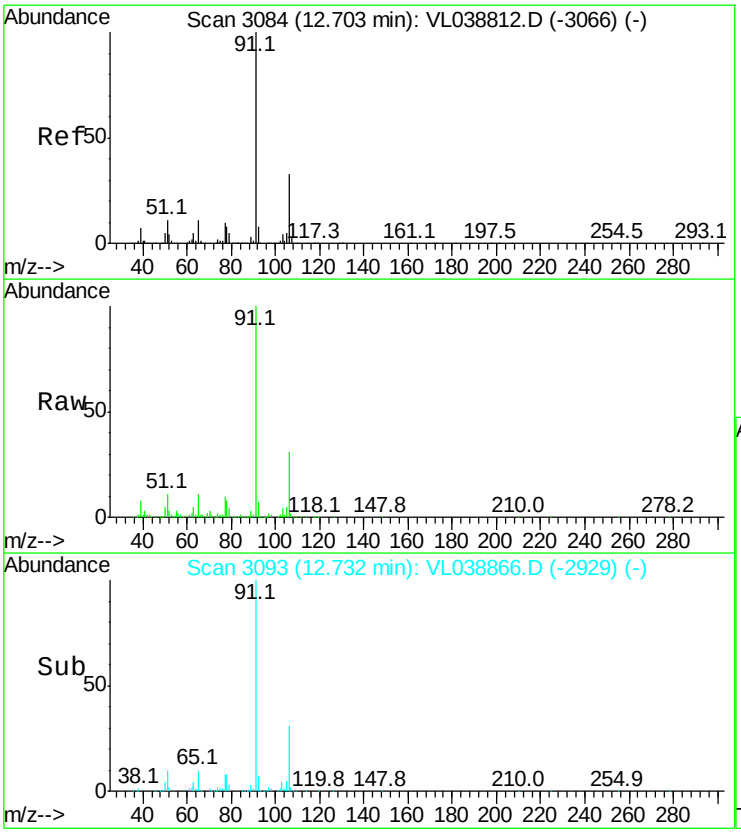
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion:117 Resp: 2297314

Ion	Ratio	Lower	Upper
117	100		
82	69.3	53.0	79.6
119	33.3	24.9	37.3

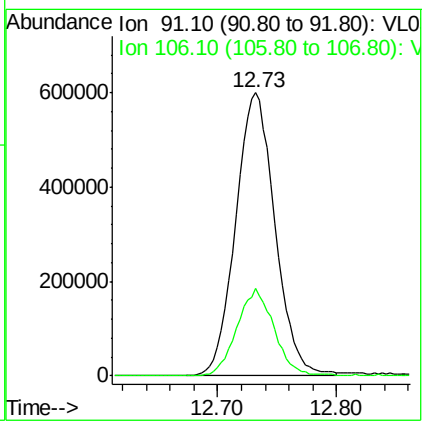


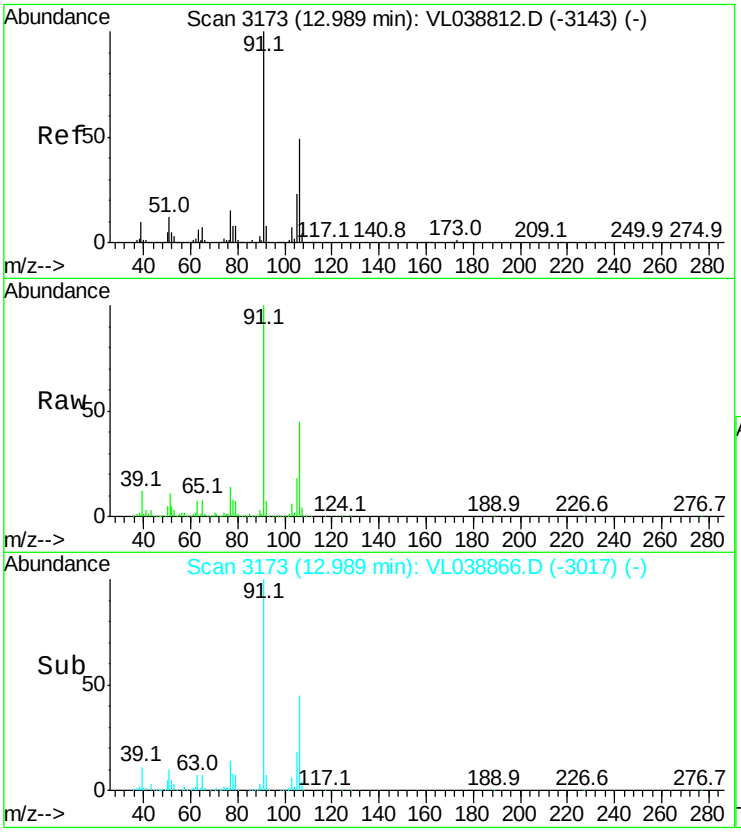


#58
Ethyl Benzene
Concen: 4.00 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 1371650

Ion	Ratio	Lower	Upper
91	100		
106	31.0	26.7	40.1



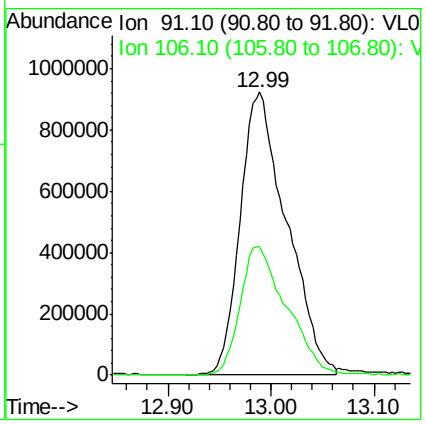


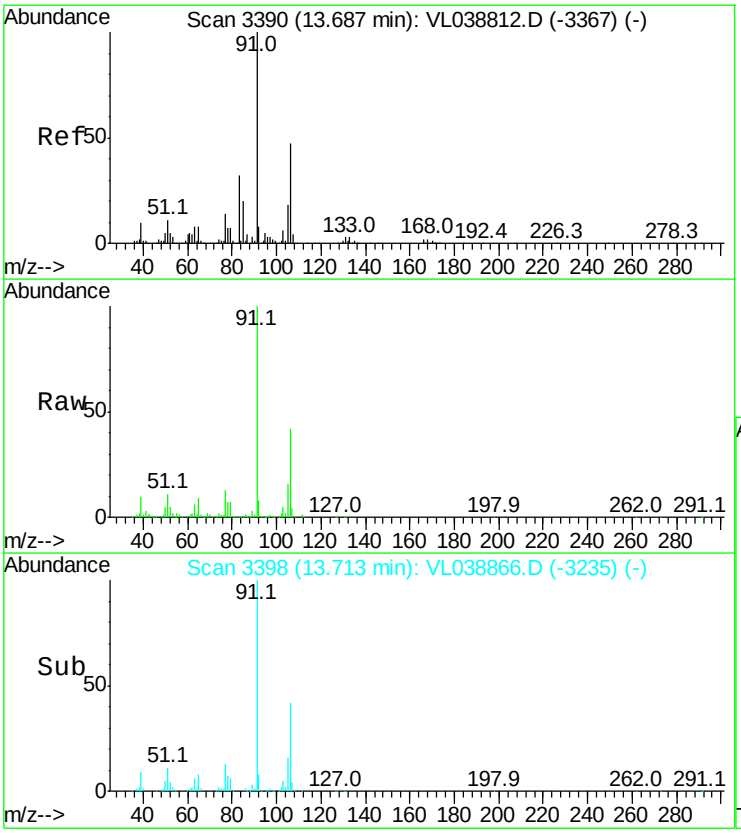
#59
m/p-Xylene
Concen: 9.96 ppbv
RT: 12.99
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion: 91 Resp: 2873426

Ion	Ratio	Lower	Upper
91	100		
106	46.2	37.1	55.7

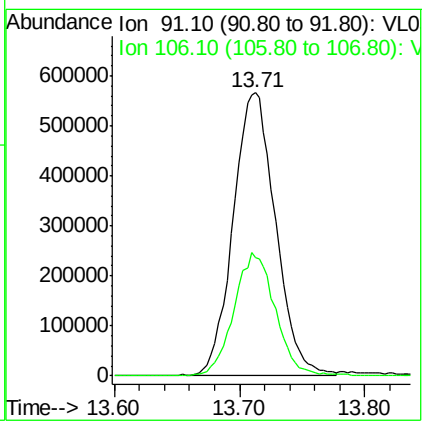


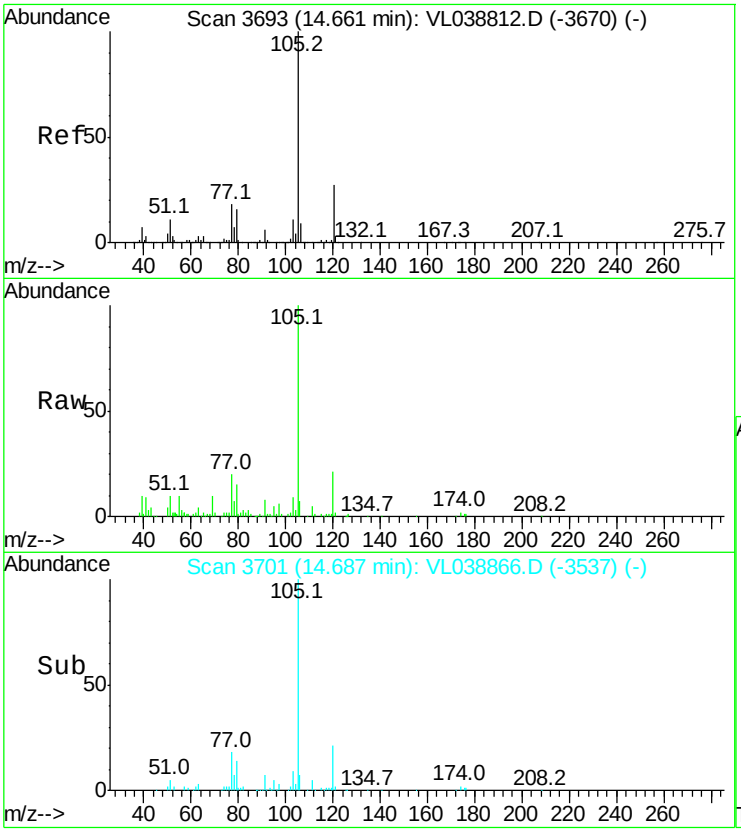


#60
o-Xylene
Concen: 4.90 ppbv
RT: 13.71 min Scan# 3398
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 1321103

Ion	Ratio	Lower	Upper
91	100		
106	43.0	23.8	71.4



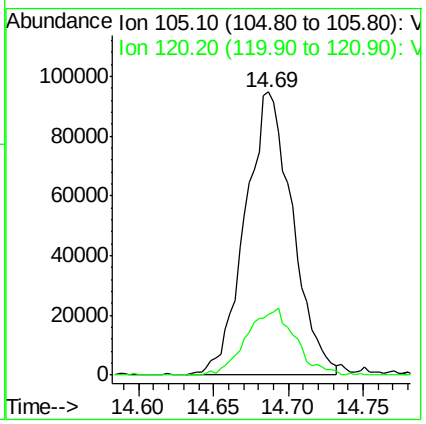


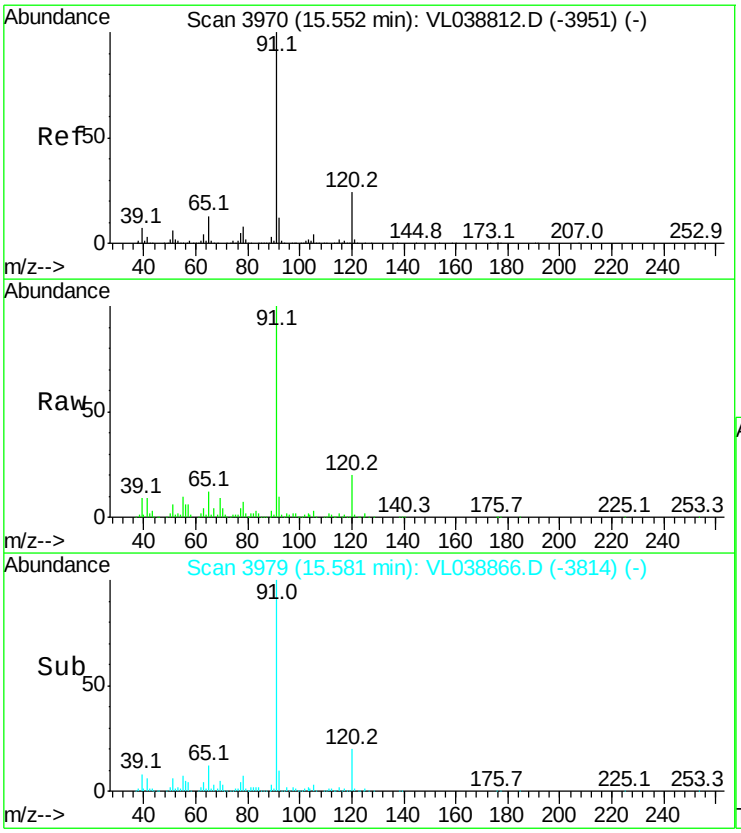
#62
Isopropylbenzene
Concen: 0.51 ppbv
RT: 14.69
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion:105 Resp: 208123

Ion	Ratio	Lower	Upper
105	100		
120	24.5	21.8	32.8

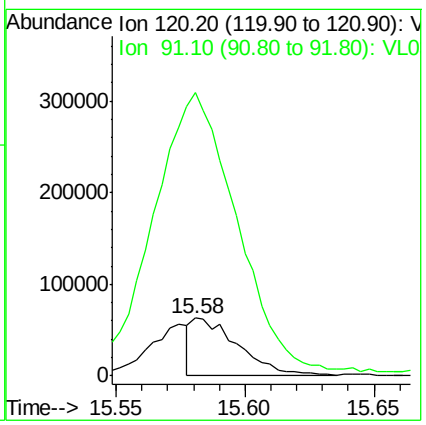


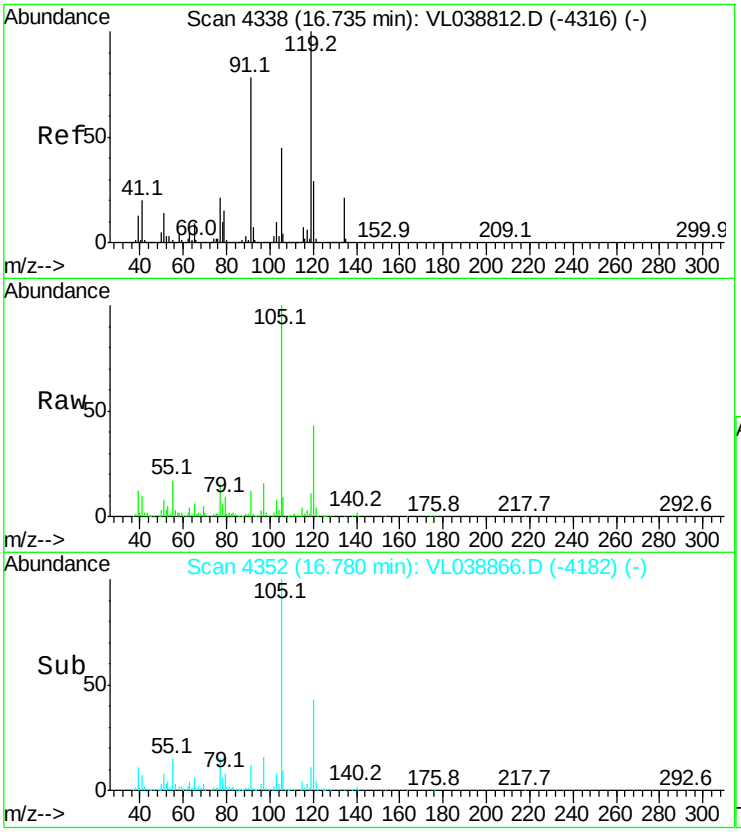


#64
n-propylbenzene
Concen: 0.73 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion:120 Resp: 76283

Ion	Ratio	Lower	Upper
120	100		
91	941.8	360.6	540.8#



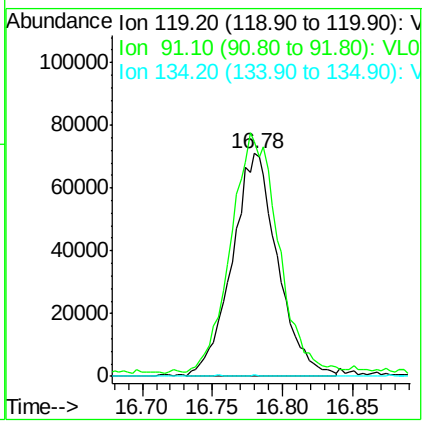


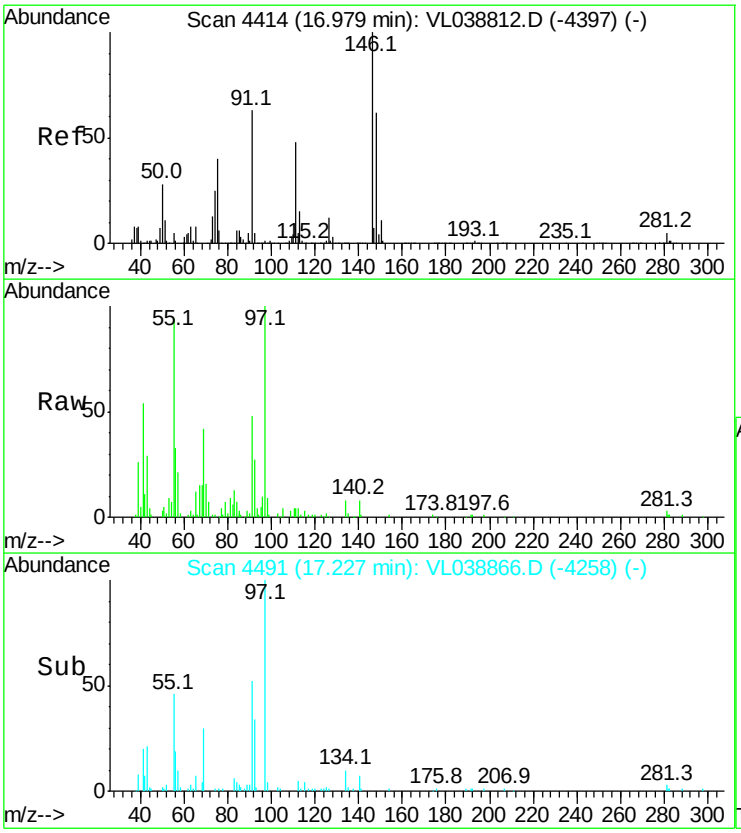
#65
tert-Butylbenzene
Concen: 0.45 ppbv
RT: 16.78
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion:119 Resp: 161049

Ion	Ratio	Lower	Upper
119	100		
91	117.8	62.8	94.2#
134	0.3	16.2	24.4#

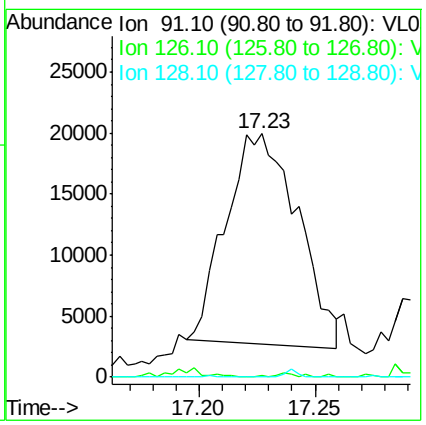


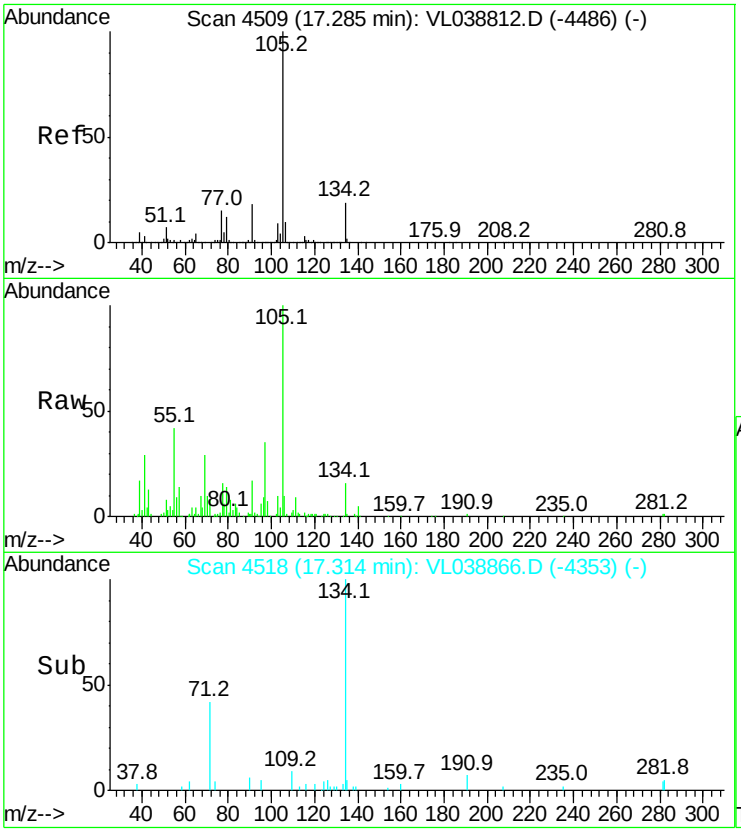


#66
Benzyl Chloride
Concen: 0.51 ppbv
RT: 17.23 min Scan# 4491
Delta R.T. 0.25 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 91 Resp: 37020

Ion	Ratio	Lower	Upper
91	100		
126	0.7	15.4	23.0#
128	0.6	4.7	7.1#



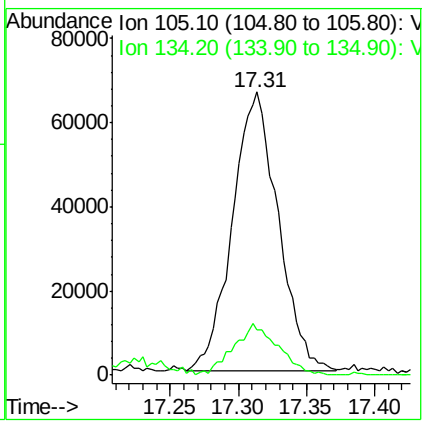


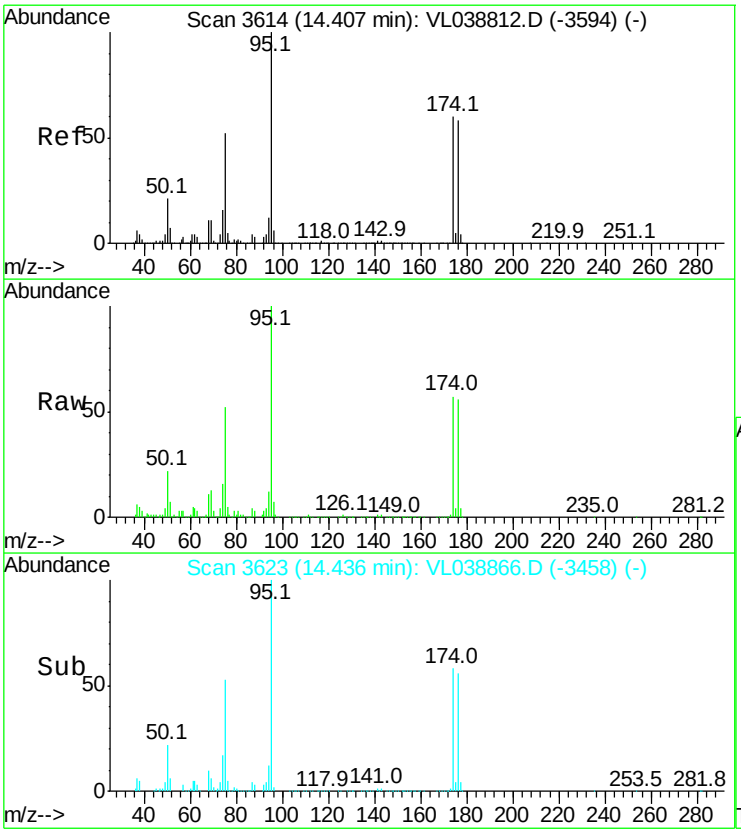
#67
sec-Butylbenzene
Concen: 0.31 ppbv
RT: 17.31
Delta R.T
Lab File:
Acq: 8 Apr 2022 9:08

Instrument :
MSVOA_L
ClientSampleId :
1161-8-01-SG-3DL

Tgt Ion:105 Resp: 154266

Ion	Ratio	Lower	Upper
105	100		
134	18.0	15.1	22.7





#68
1-Bromo-4-Fluorobenzene
Concen: 10.84 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.03 min
Lab File: VL038866.D
Acq: 8 Apr 2022 9:08

Tgt Ion: 95 Resp: 1888363

Ion	Ratio	Lower	Upper
95	100		
174	59.3	52.0	78.0
175	4.3	4.0	6.0