Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012622\
Data File : VL038293.D
Acq On : 26 Jan 2022 18:05
Operator : SY/AP
Sample : N1268-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA-1

Quant Time: Jan 27 02:55:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.64	49	744889	10.00	ppbv		-0.03
33) 1,4-Difluorobenzene	7.14	114	1985586	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.05	117	1619036	10.00	ppbv		-0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	1171249	9.53	ppbv		-0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	30152	0.190	ppbv		95
3) Chlorodifluoromethane	2.98	51	40980	0.276	ppbv	#	87
4) Chloromethane	3.13	50	22420	0.439	ppbv		98
9) Propene	3.19	41	28199	0.584	ppbv		84
11) Trichlorofluoromethane	3.93	101	27091	0.219	ppbv		87
12) 1,1,2-Trichlorotrifluoroet	4.47	101	3725	0.040	ppbv	#	66
13) Ethanol	3.59	45	94733	18.281	ppbv	#	51
15) Acetone	3.83	43	329204	5.013	ppbv		100
19) Isopropyl Alcohol	3.95	45	85779	2.088	ppbv		99
20) Methylene Chloride	4.32	84	51283	1.343	ppbv	#	87
25) Ethyl Acetate	5.65	43	69925	0.380	ppbv	#	97
26) Hexane	5.66	57	25424	0.297	ppbv	#	64
29) Chloroform	5.73	83	40118	0.287	ppbv	#	83
30) Cyclohexane	7.10	84	2399	0.032	ppbv	#	1
31) cis-1,2-Dichloroethene	5.52	61	4632	0.062	ppbv	#	77
34) 2-Butanone	5.22	43	12005	0.185	ppbv	#	86
35) Carbon Tetrachloride	6.99	117	4924	0.035	ppbv	#	69
36) Benzene	6.86	78	40487	0.231	ppbv		97
39) 1,2-Dichloropropane	7.14	63	529924	7.442	ppbv	#	25
43) Methyl Methacrylate	7.98	69	17738	0.286	ppbv	#	45
44) 2,2,4-Trimethylpentane	7.83	57	24426	0.079	ppbv	#	76
53) Toluene	9.76	91	43449	0.224	ppbv		97
58) Ethyl Benzene	12.67	91	7980	0.034	ppbv		95
59) m/p-Xylene	12.96	91	11677	0.058	ppbv	#	32
60) o-Xylene	13.65	91	5756	0.030	ppbv	#	1
74) 1,2,4-Trimethylbenzene	16.72	105	7499	0.040	ppbv	#	75

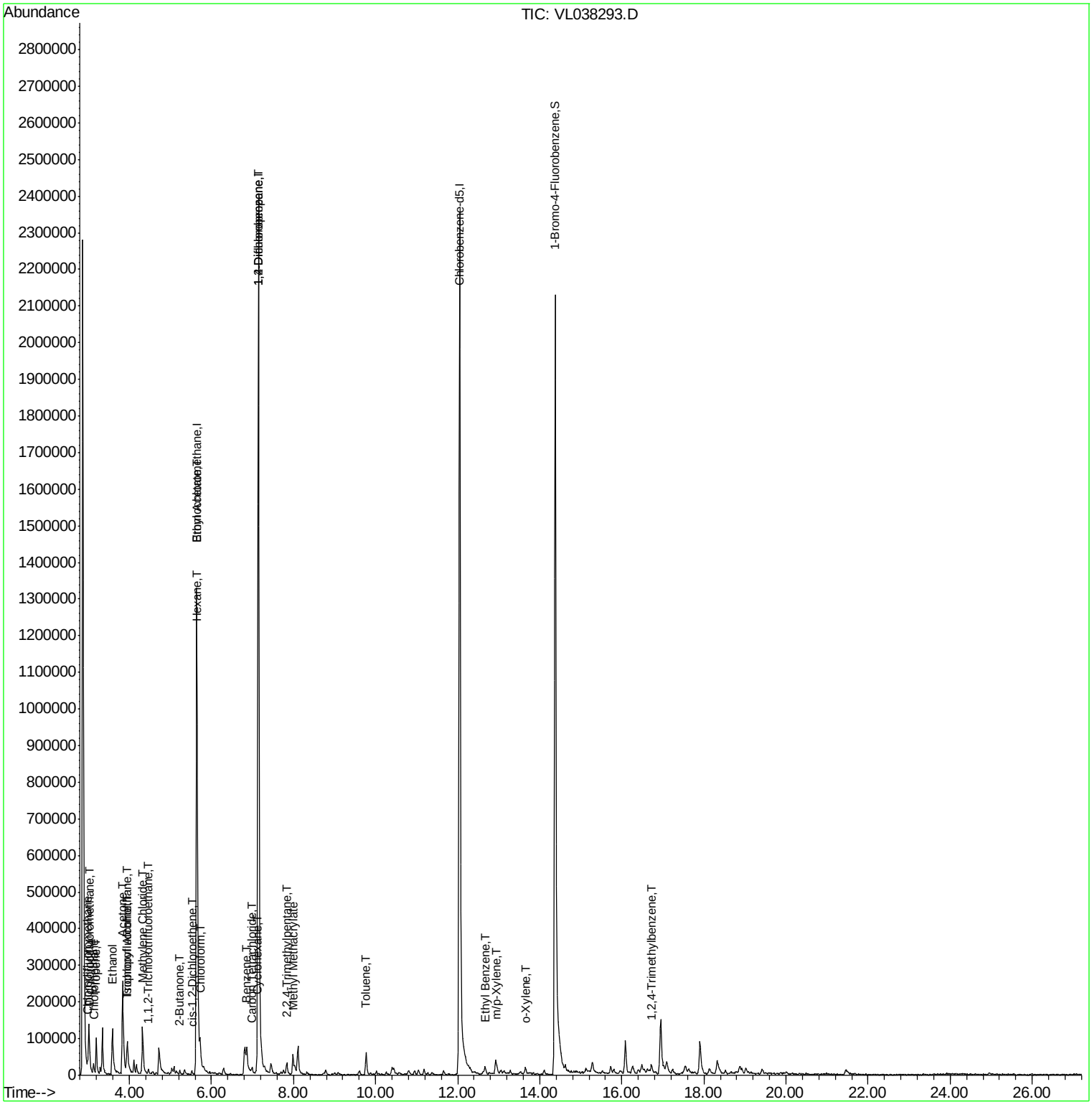
(#) = qualifier out of range (m) = manual integration (+) = signals summed

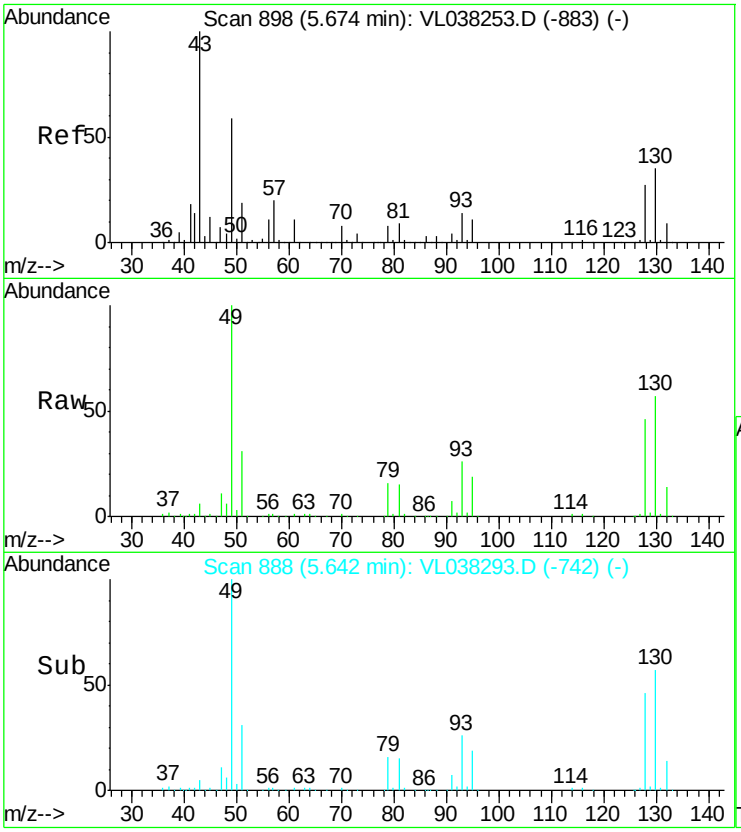
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL012622\
Data File : VL038293.D
Acq On : 26 Jan 2022 18:05
Operator : SY/AP
Sample : N1268-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jan 27 02:55:06 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Jan 24 14:12:48 2022
QLast Update : Mon Jan 24 14:12:48 2022
Response via : Initial Calibration



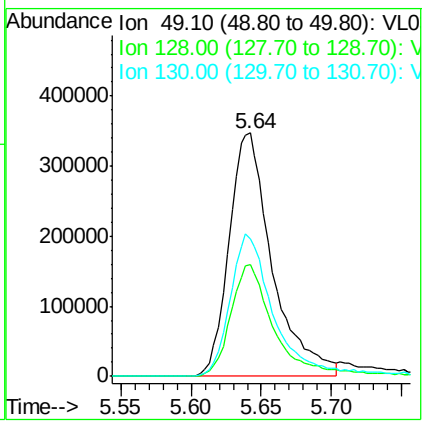


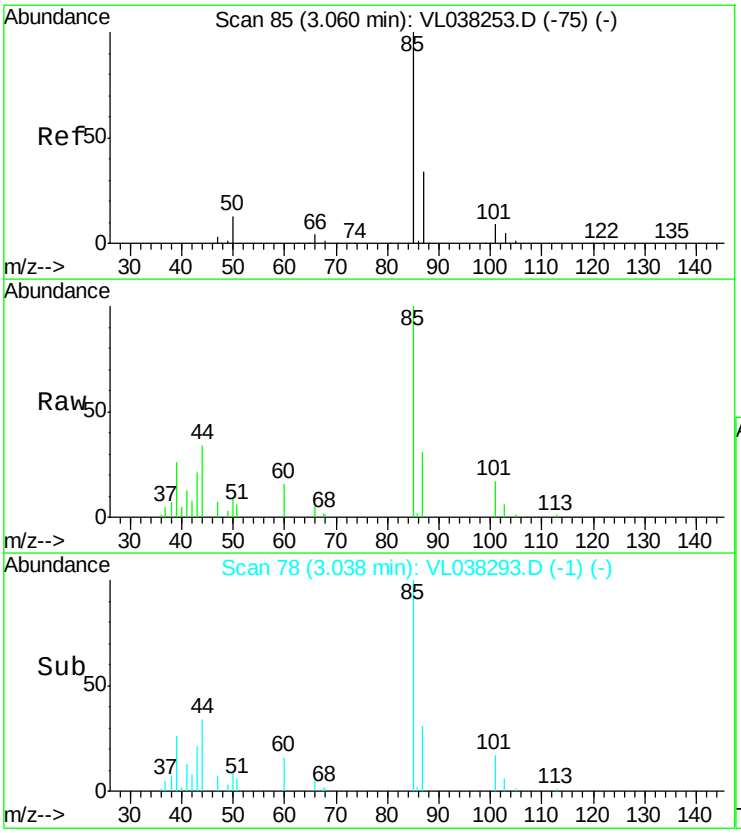
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 49 Resp: 744889

Ion	Ratio	Lower	Upper
49	100		
128	47.3	24.5	73.5
130	61.0	30.1	90.5

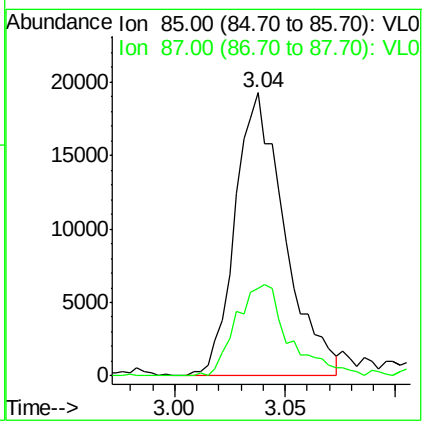


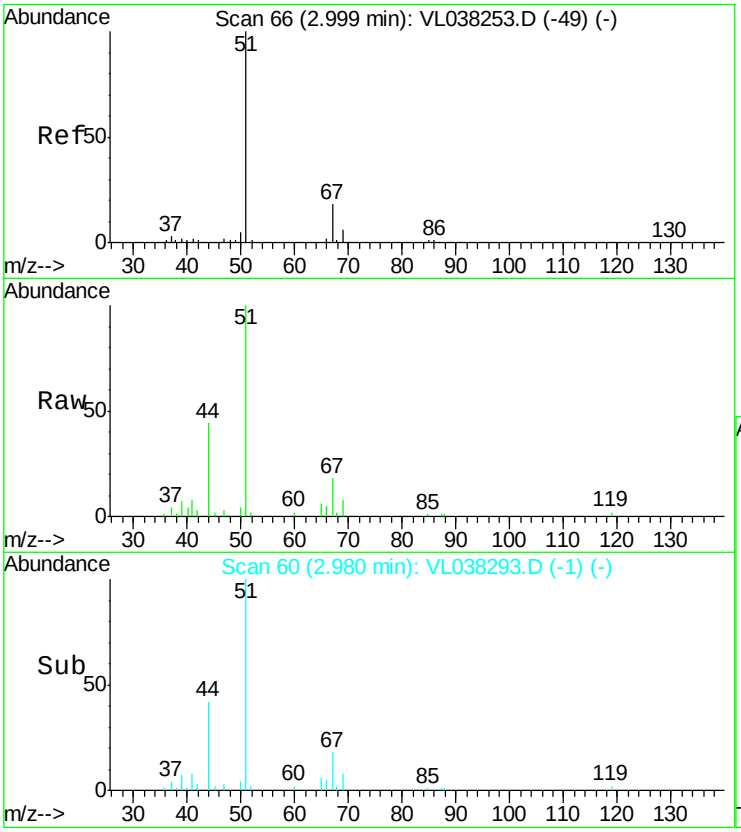


#2
Dichlorodifluoromethane
Concen: 0.190 ppbv
RT: 3.04 min Scan# 78
Delta R.T. -0.02 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 85 Resp: 30152

Ion	Ratio	Lower	Upper
85	100		
87	30.9	27.0	40.6



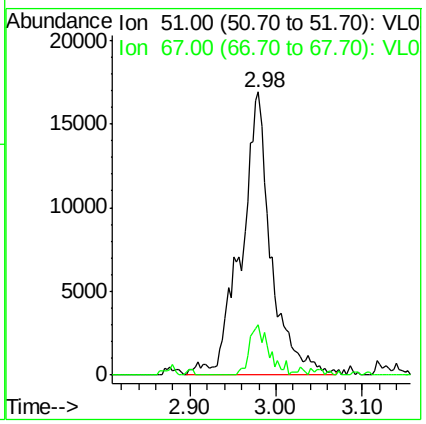


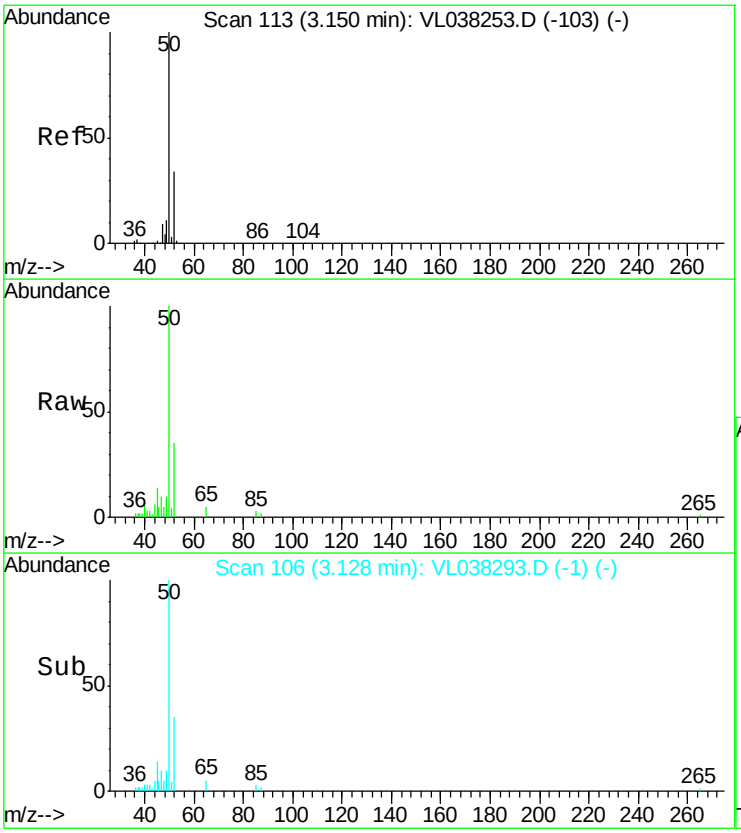
#3
Chlorodifluoromethane
Concen: 0.276 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 51 Resp: 40980

Ion	Ratio	Lower	Upper
51	100		
67	12.2	14.4	21.6#

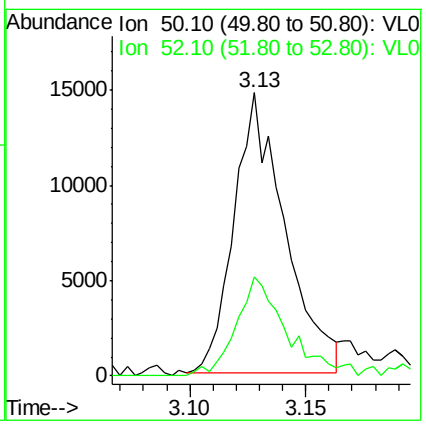


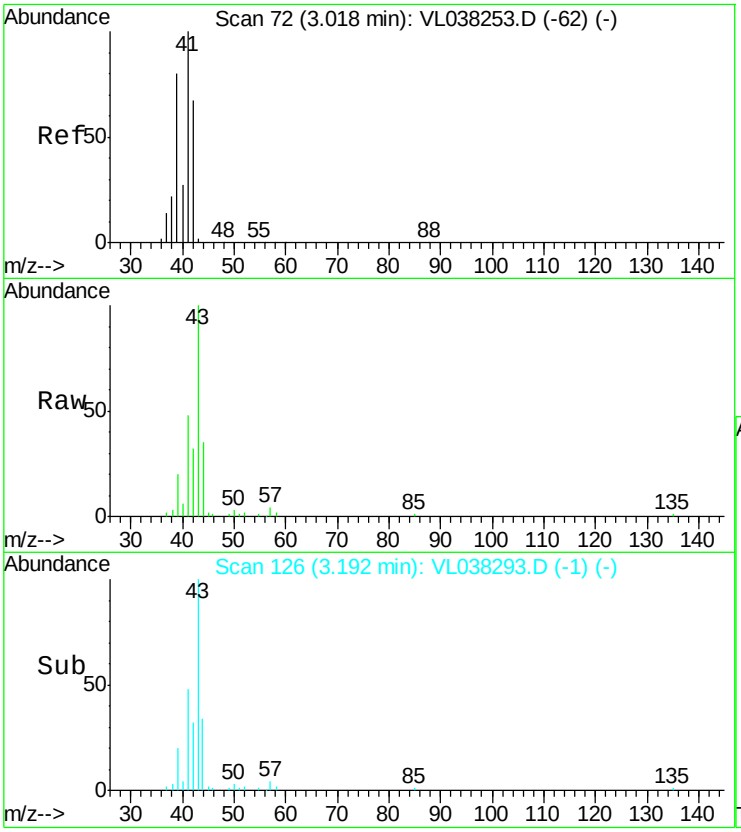


#4
Chloromethane
Concen: 0.439 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 50 Resp: 22420

Ion	Ratio	Lower	Upper
50	100		
52	35.2	27.1	40.7



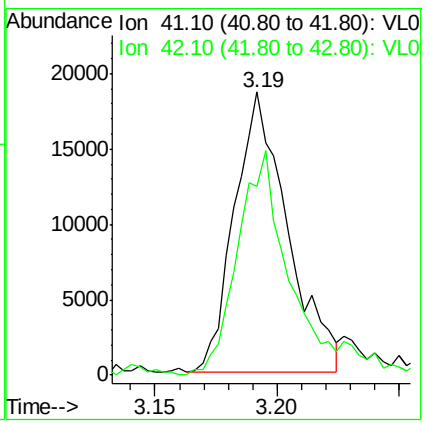


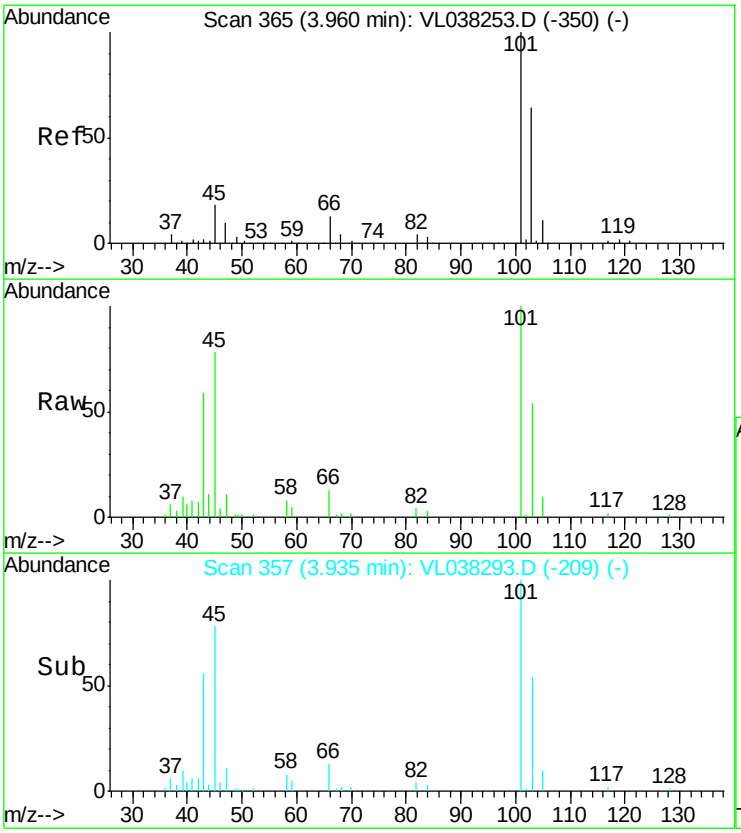
#9
Propene
Concen: 0.584 ppbv
RT: 3.19
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 41 Resp: 28199

Ion	Ratio	Lower	Upper
41	100		
42	81.4	54.9	82.3

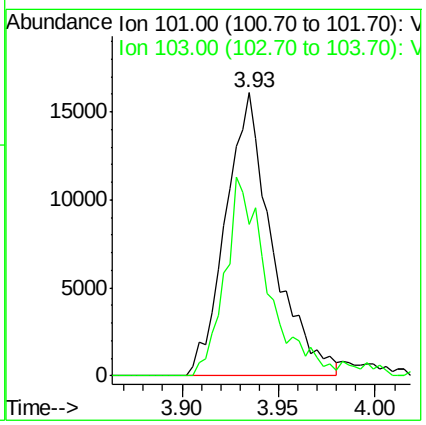


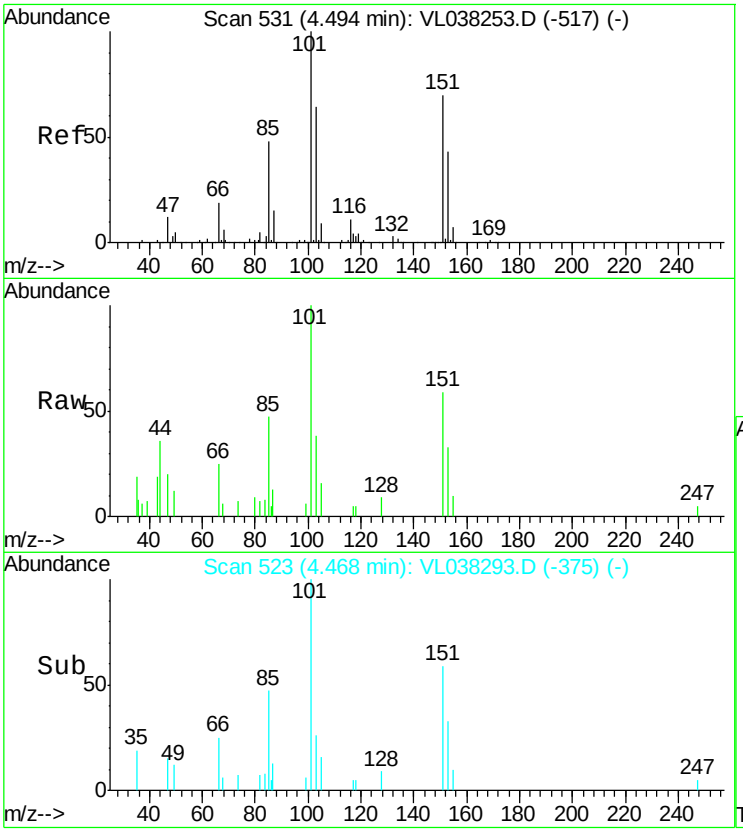


#11
Trichlorofluoromethane
Concen: 0.219 ppbv
RT: 3.93 min Scan# 357
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion:101 Resp: 27091

Ion	Ratio	Lower	Upper
101	100		
103	53.6	51.2	76.8



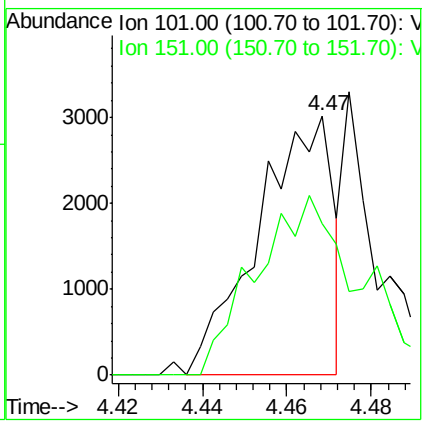


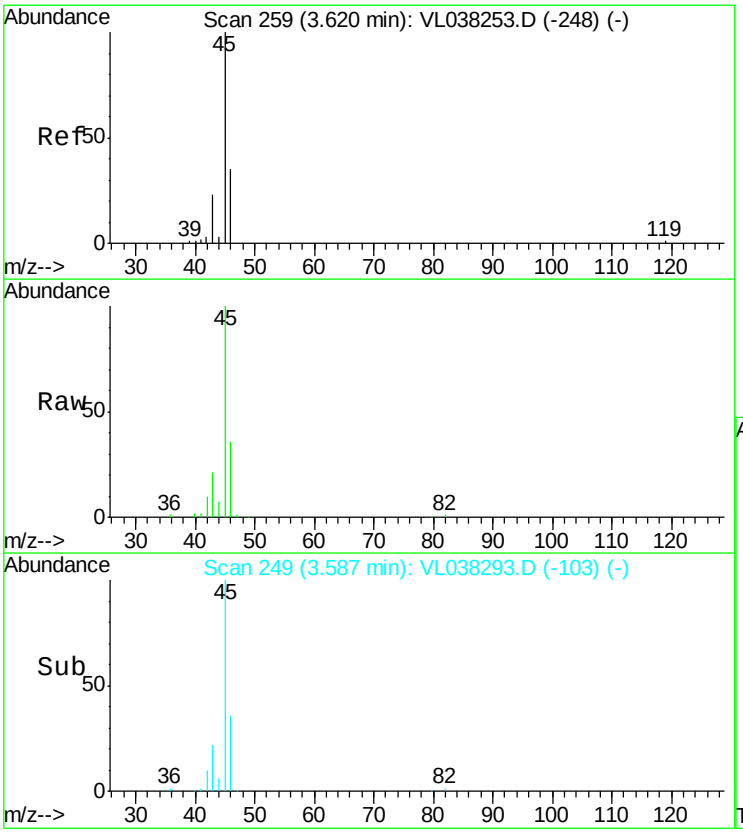
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.040 ppbv
RT: 4.47
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:101 Resp: 3725

Ion	Ratio	Lower	Upper
101	100		
151	97.2	55.3	82.9#

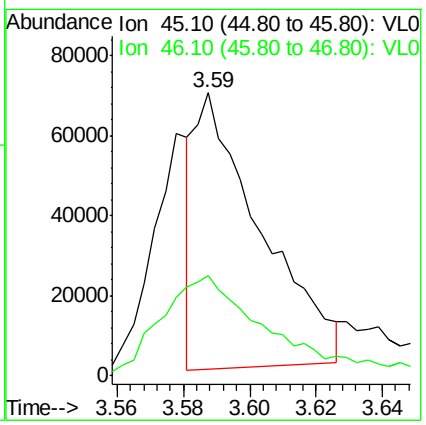


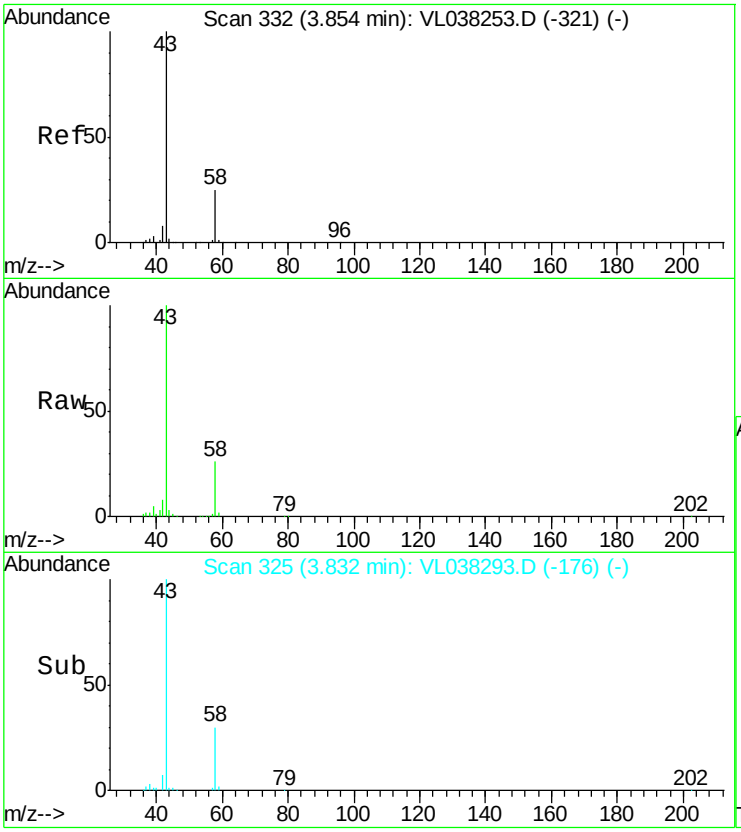


#13
Ethanol
Concen: 18.281 ppbv
RT: 3.59 min Scan# 249
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 45 Resp: 94733

Ion	Ratio	Lower	Upper
45	100		
46	68.1	15.4	61.6#



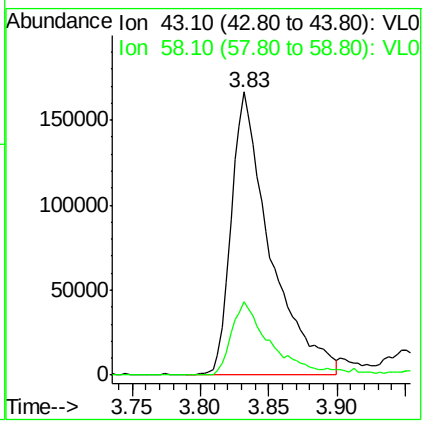


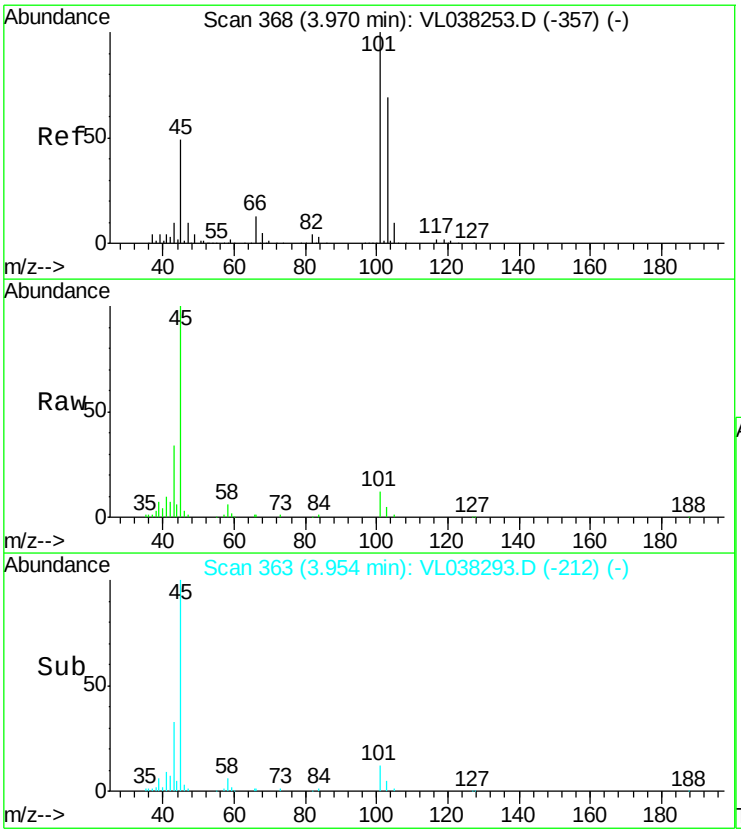
#15
Acetone
Concen: 5.013 ppbv
RT: 3.83
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 43 Resp: 329204

Ion	Ratio	Lower	Upper
43	100		
58	27.0	21.5	32.3

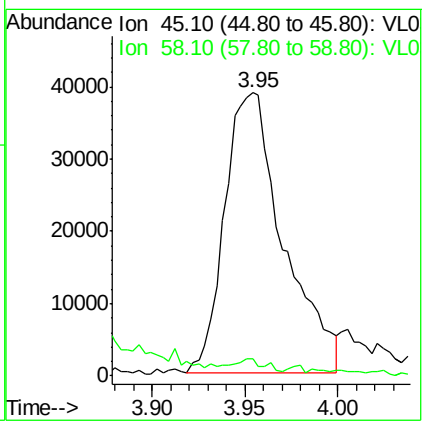


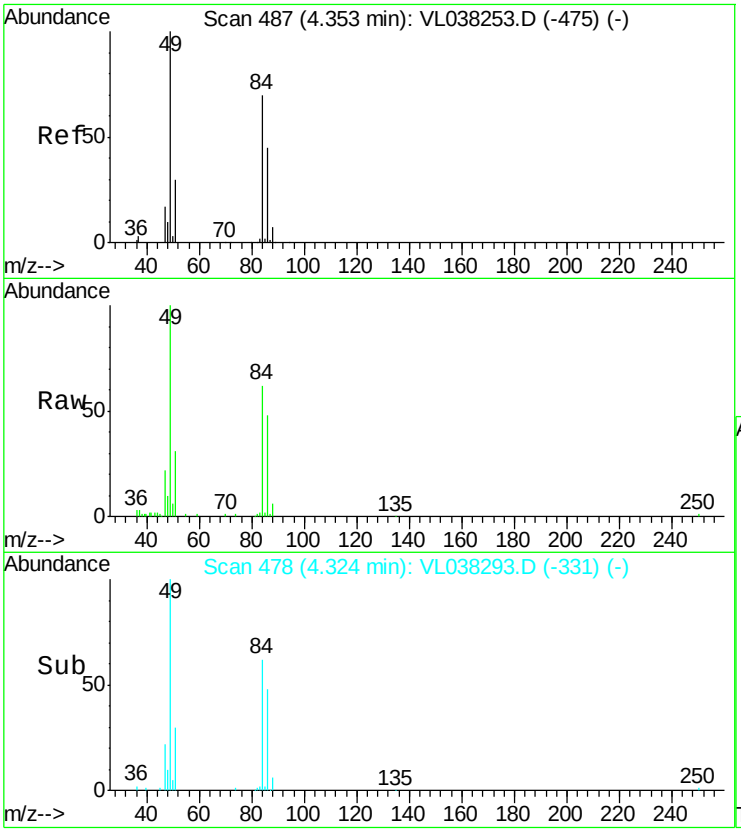


#19
Isopropyl Alcohol
Concen: 2.088 ppbv
RT: 3.95 min Scan# 363
Delta R.T. -0.02 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 45 Resp: 85779

Ion	Ratio	Lower	Upper
45	100		
58	3.2	2.3	3.5



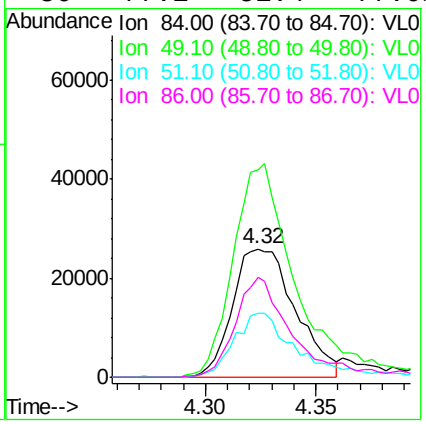


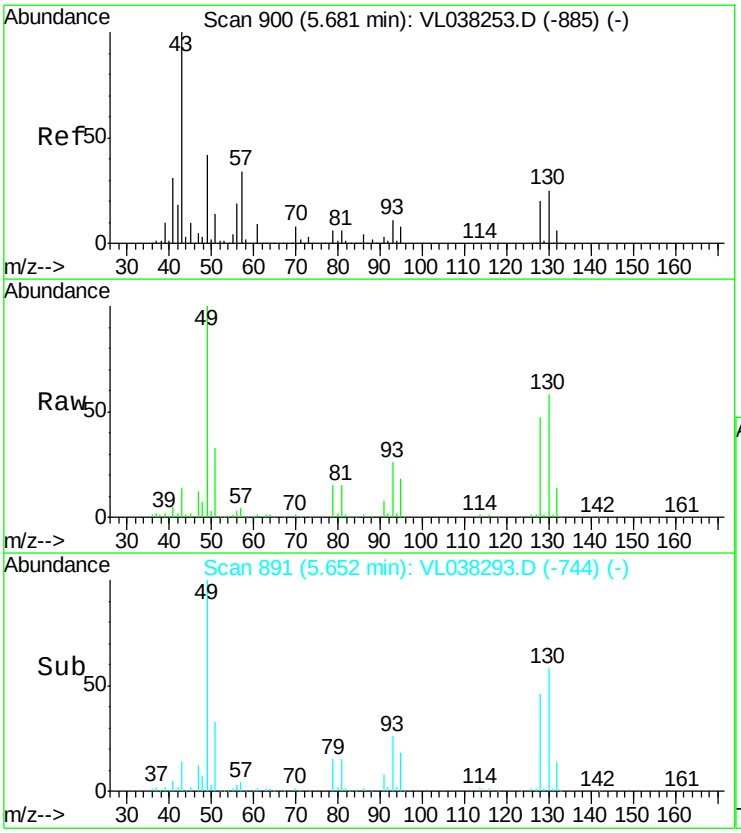
#20
Methylene Chloride
Concen: 1.343 ppbv
RT: 4.32
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 51283

Ion	Ratio	Lower	Upper
84	100		
49	159.8	115.0	172.6
51	49.5	35.0	52.6
86	77.1	51.4	77.0#

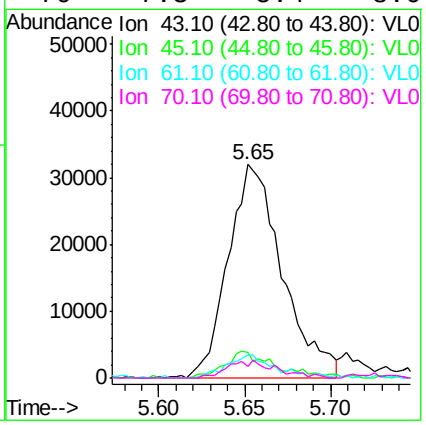


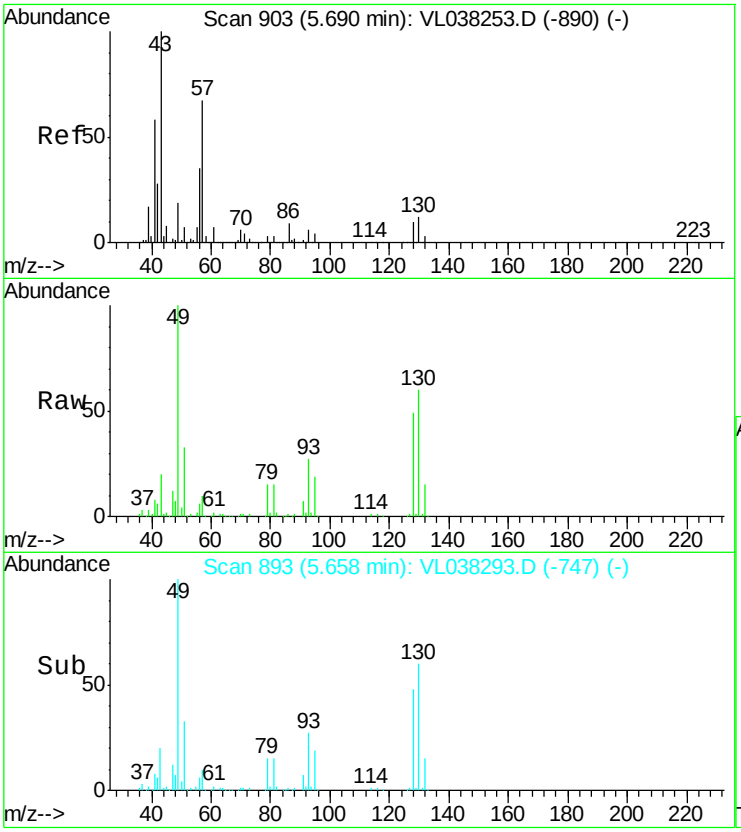


#25
Ethyl Acetate
Concen: 0.380 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 43 Resp: 69925

Ion	Ratio	Lower	Upper
43	100		
45	12.0	7.9	11.9#
61	9.8	7.8	11.8
70	7.3	5.4	8.0



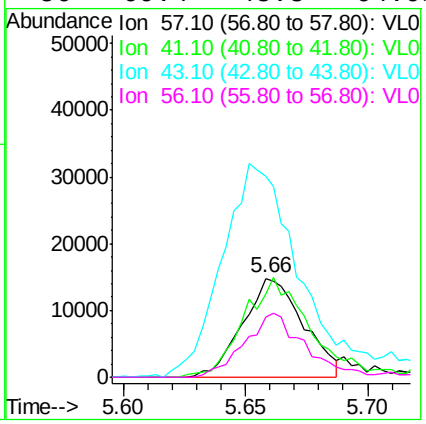


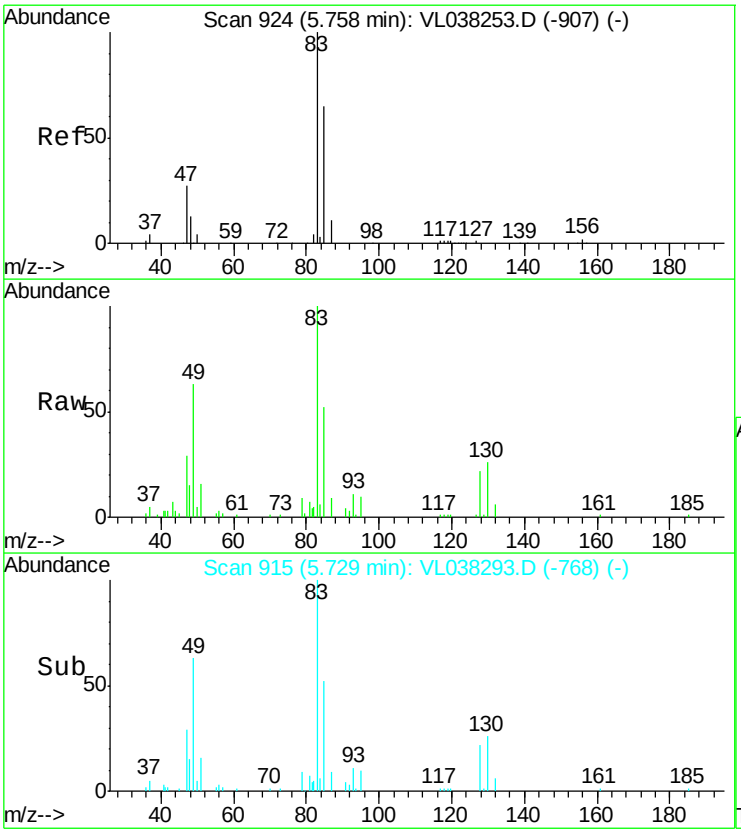
#26
Hexane
Concen: 0.297 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 57 Resp: 25424

Ion	Ratio	Lower	Upper
57	100		
41	112.0	72.8	109.2#
43	294.6	177.0	265.6#
56	69.4	43.3	64.9#

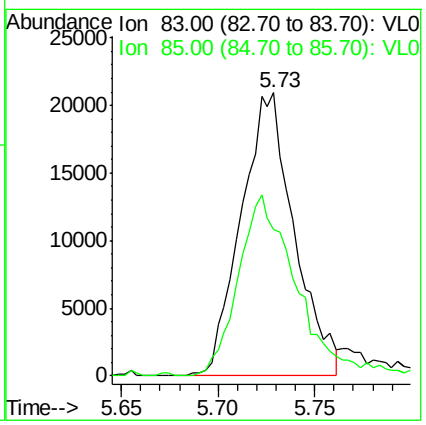


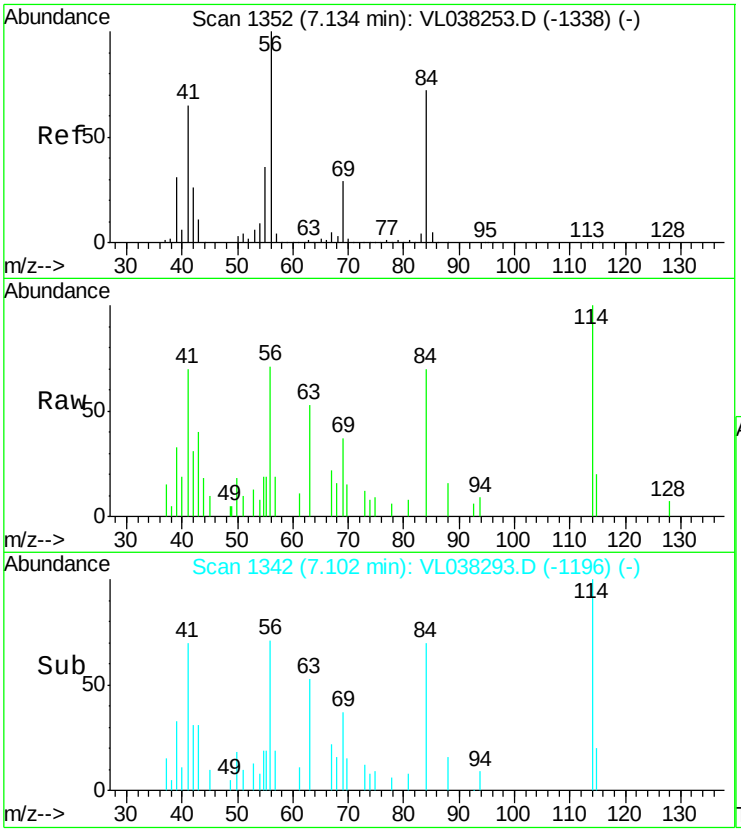


#29
Chloroform
Concen: 0.287 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 83 Resp: 40118

Ion	Ratio	Lower	Upper
83	100		
85	51.5	51.9	77.9#



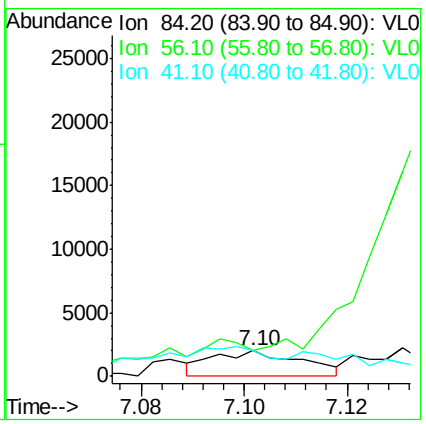


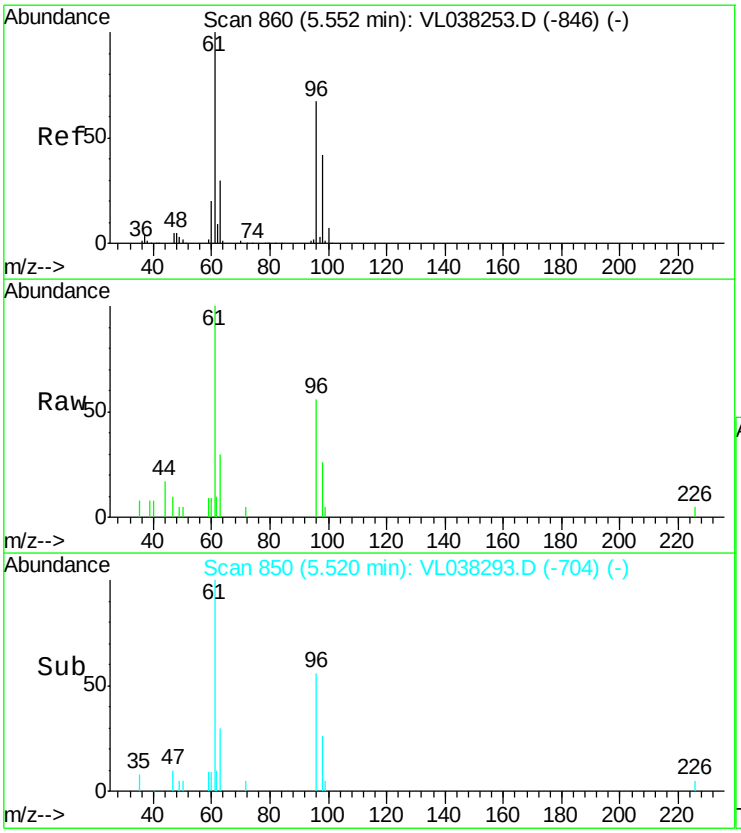
#30
Cyclohexane
Concen: 0.032 ppbv
RT: 7.10
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 84 Resp: 2399

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	337.7	71.1	106.7#

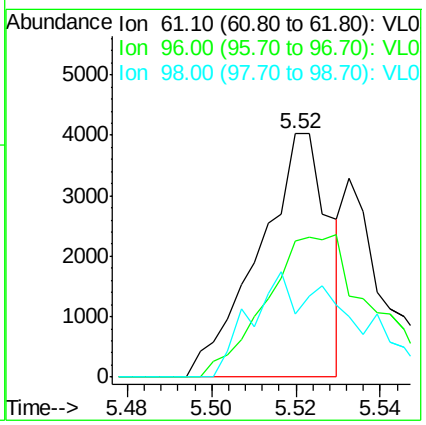


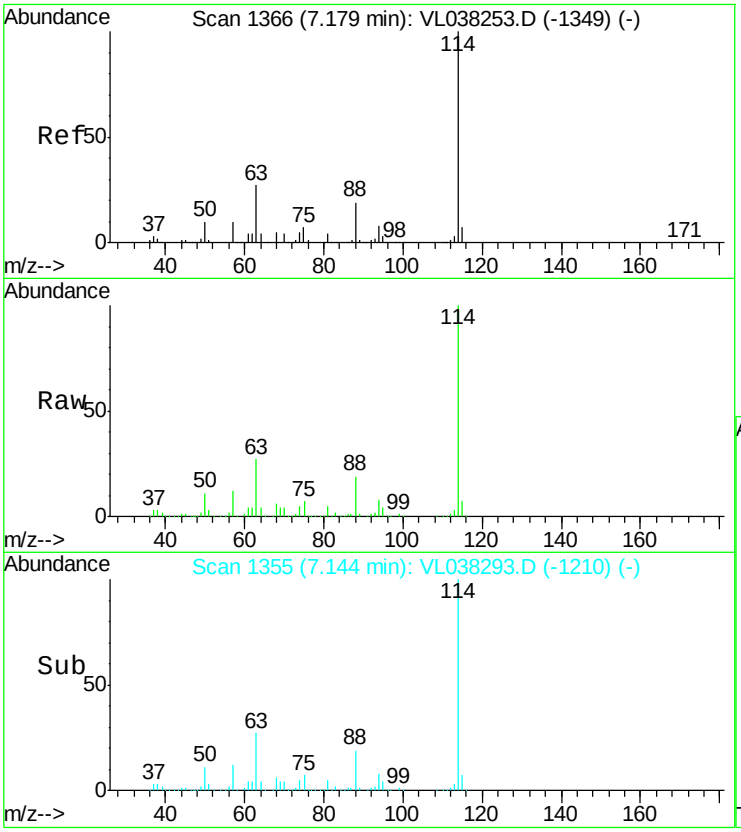


#31
cis-1,2-Dichloroethene
Concen: 0.062 ppbv
RT: 5.52 min Scan# 850
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 61 Resp: 4632

Ion	Ratio	Lower	Upper
61	100		
96	51.2	53.3	79.9#
98	23.9	33.7	50.5#



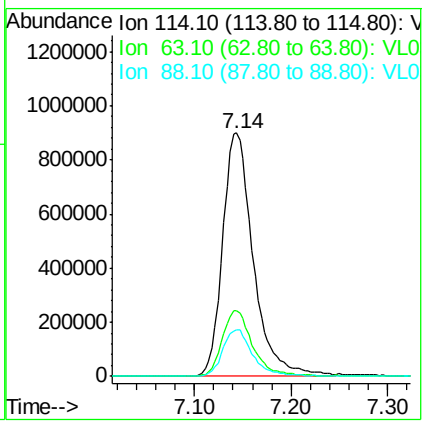


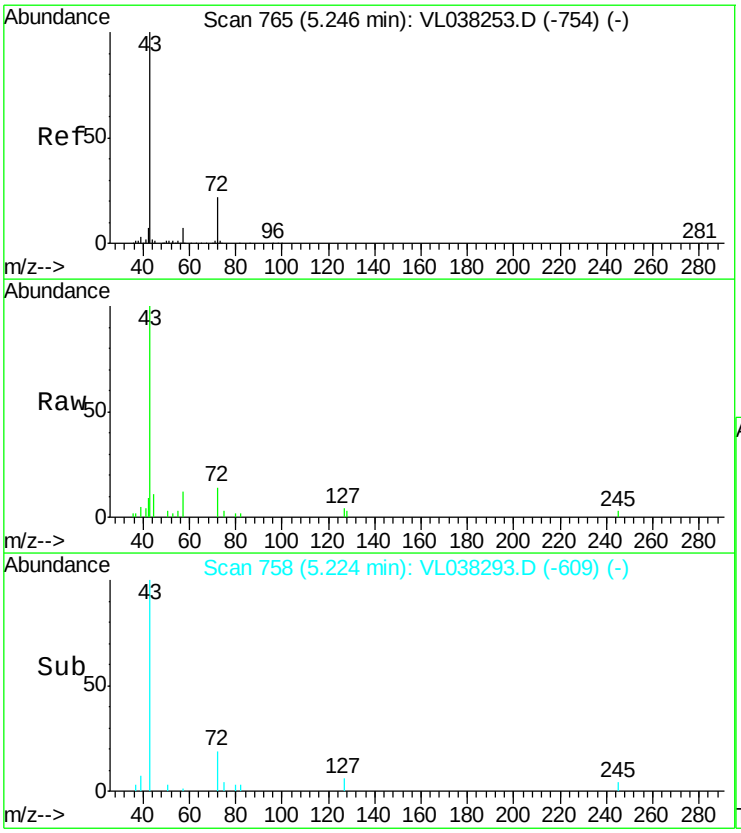
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:114 Resp: 1985586

Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.0	33.0
88	19.1	15.0	22.6

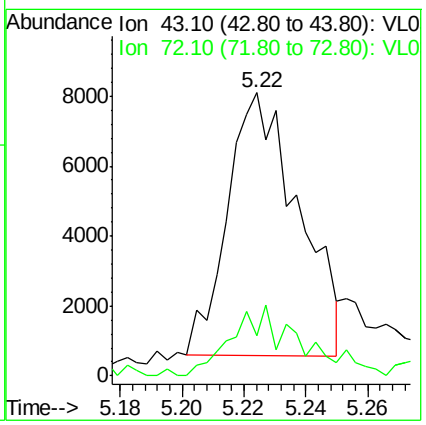


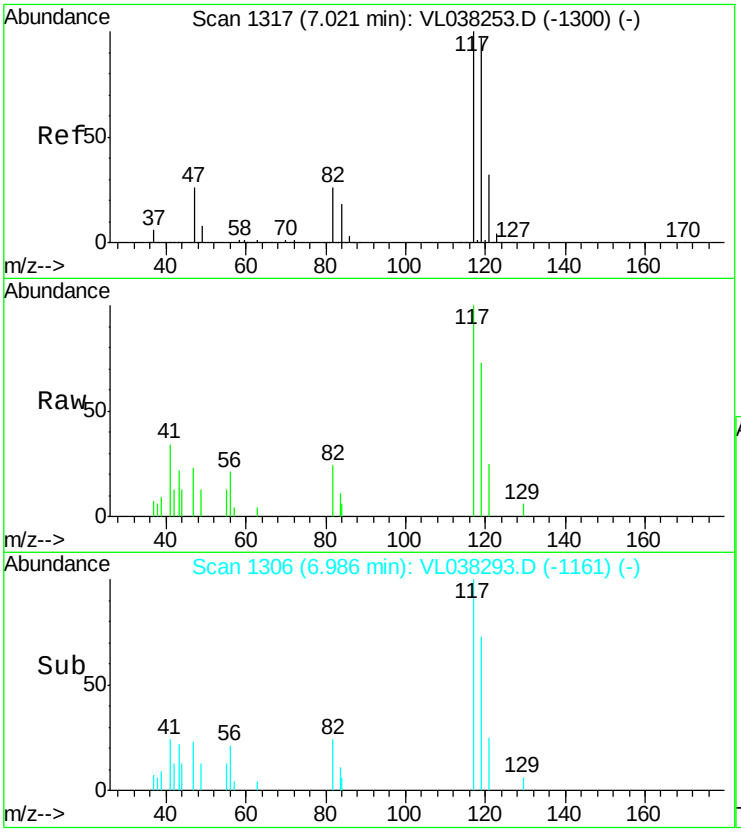


#34
2-Butanone
Concen: 0.185 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.02 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 43 Resp: 12005

Ion	Ratio	Lower	Upper
43	100		
72	29.2	18.1	27.1#



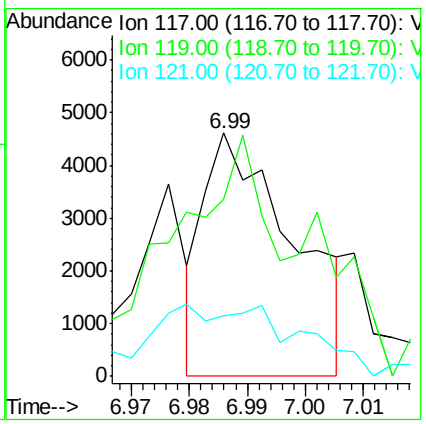


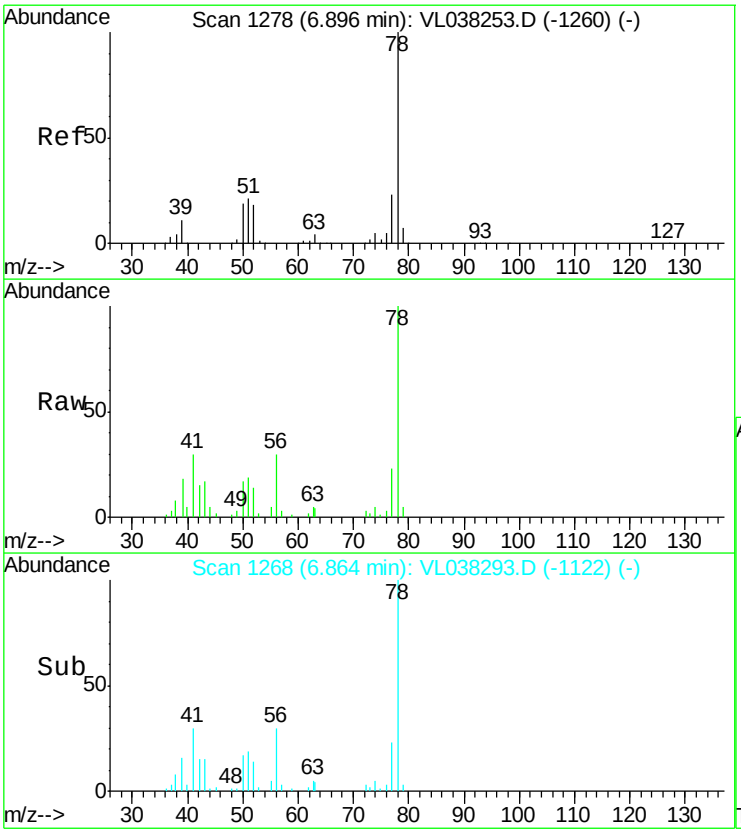
#35
Carbon Tetrachloride
Concen: 0.035 ppbv
RT: 6.99
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 4924

Ion	Ratio	Lower	Upper
117	100		
119	59.2	77.9	116.9#
121	26.9	25.4	38.2

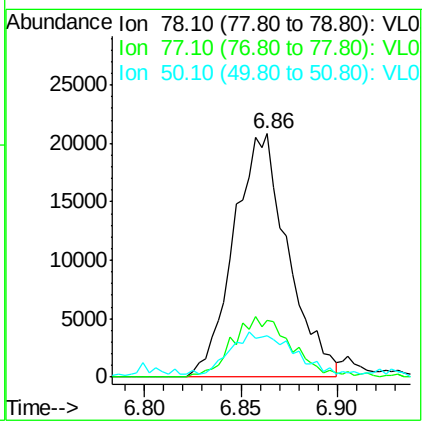


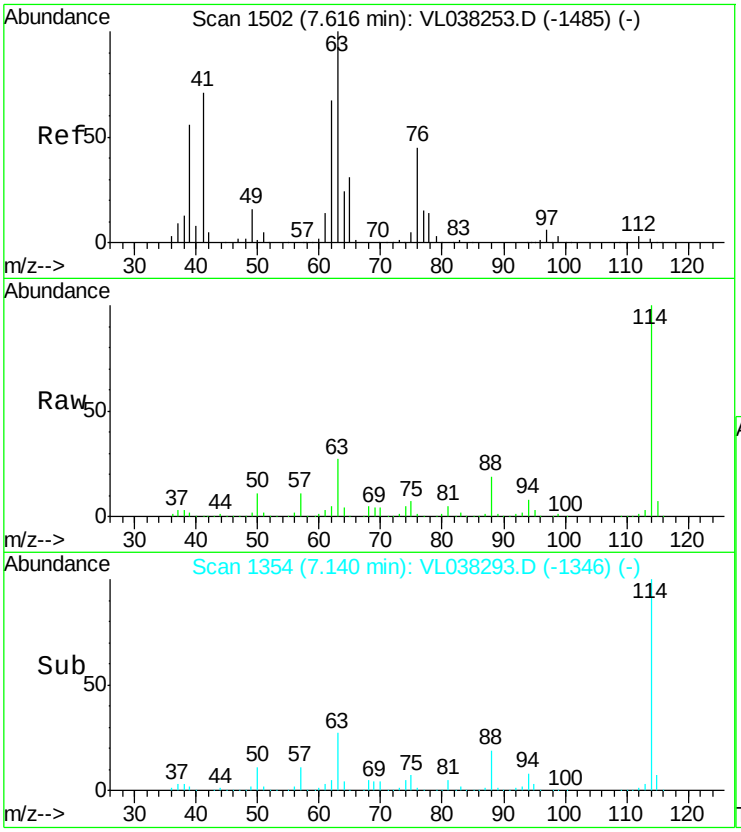


#36
Benzene
Concen: 0.231 ppbv
RT: 6.86 min Scan# 1268
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 78 Resp: 40487

Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.2	27.2
50	16.3	15.1	22.7



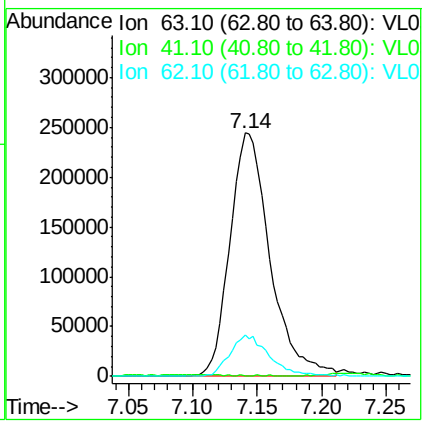


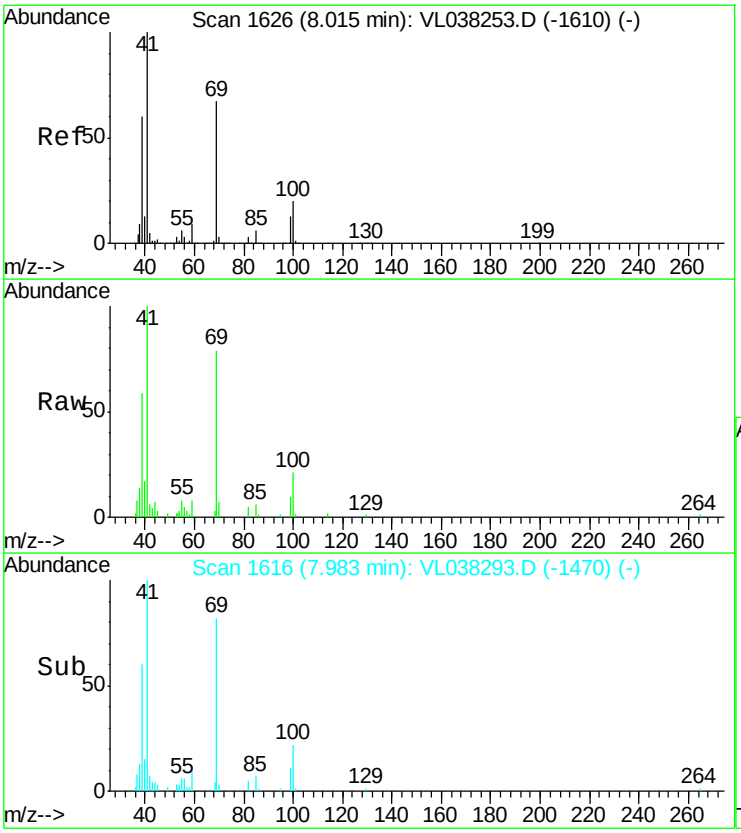
#39
1,2-Dichloropropane
Concen: 7.442 ppbv
RT: 7.14
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 63 Resp: 529924

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	16.9	53.9	80.9#

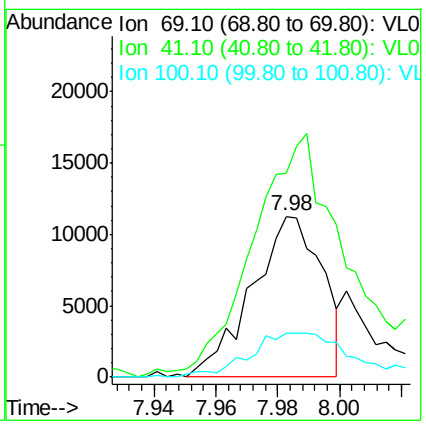


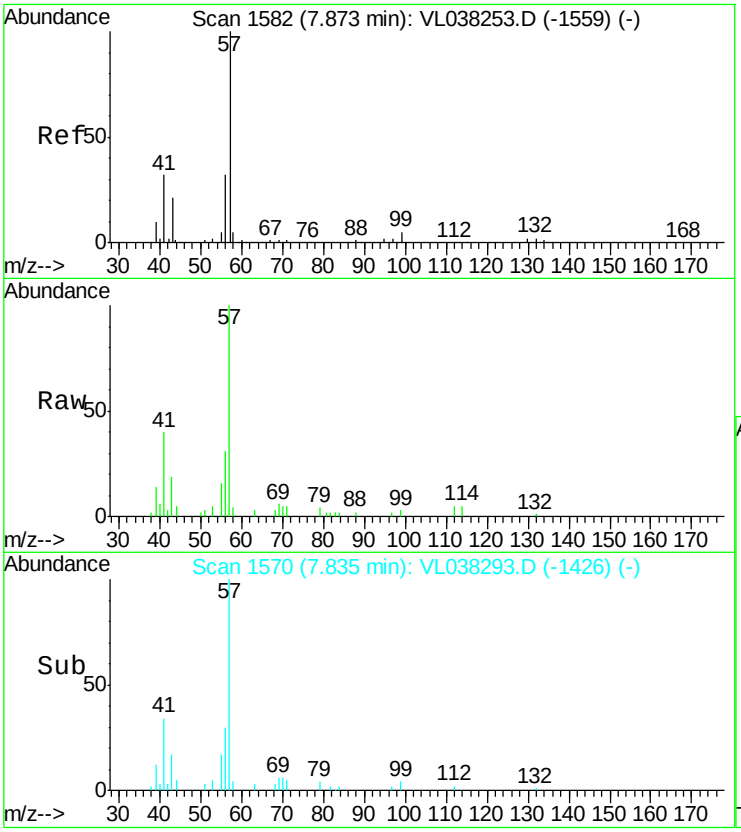


#43
Methyl Methacrylate
Concen: 0.286 ppbv
RT: 7.98 min Scan# 1616
Delta R.T. -0.03 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 69 Resp: 17738

Ion	Ratio	Lower	Upper
69	100		
41	227.6	120.9	181.3#
100	43.1	23.4	35.0#



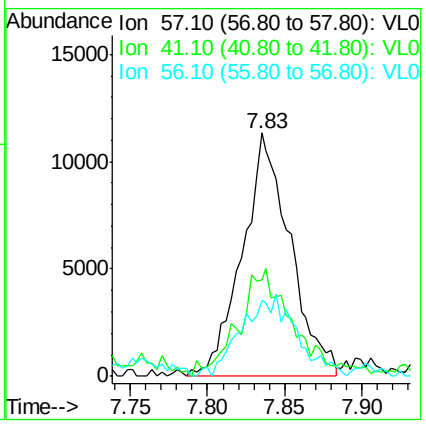


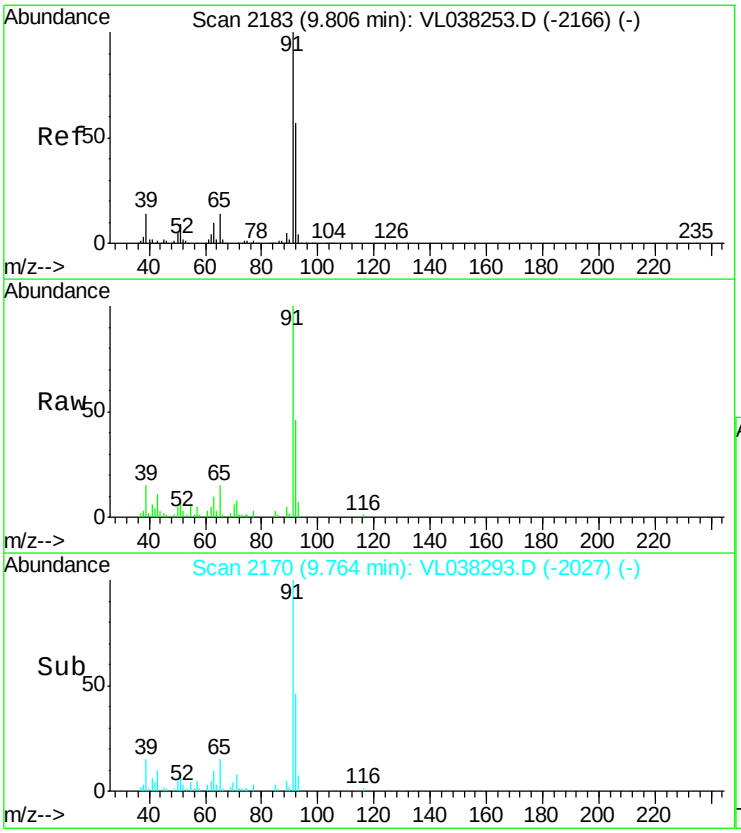
#44
2,2,4-Trimethylpentane
Concen: 0.079 ppbv
RT: 7.83
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 57 Resp: 24426

Ion	Ratio	Lower	Upper
57	100		
41	50.8	26.3	39.5#
56	40.8	25.2	37.8#

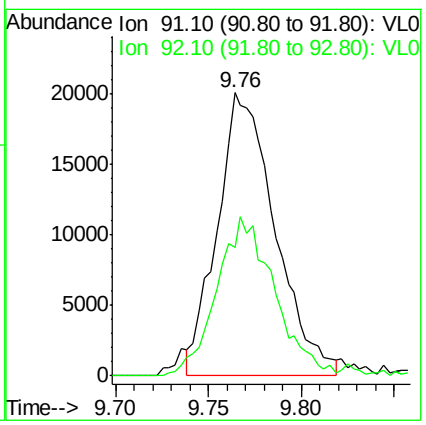


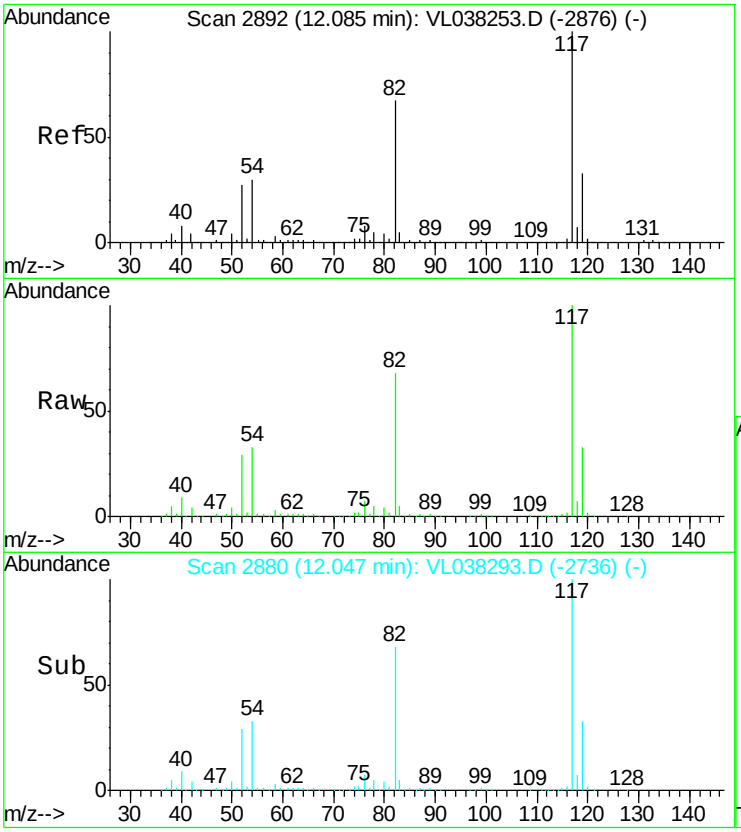


#53
Toluene
Concen: 0.224 ppbv
RT: 9.76 min Scan# 2170
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 91 Resp: 43449

Ion	Ratio	Lower	Upper
91	100		
92	57.0	47.4	71.0



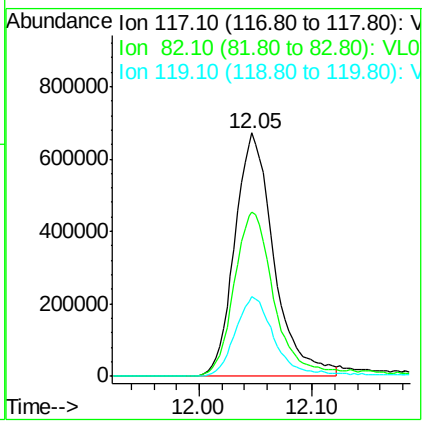


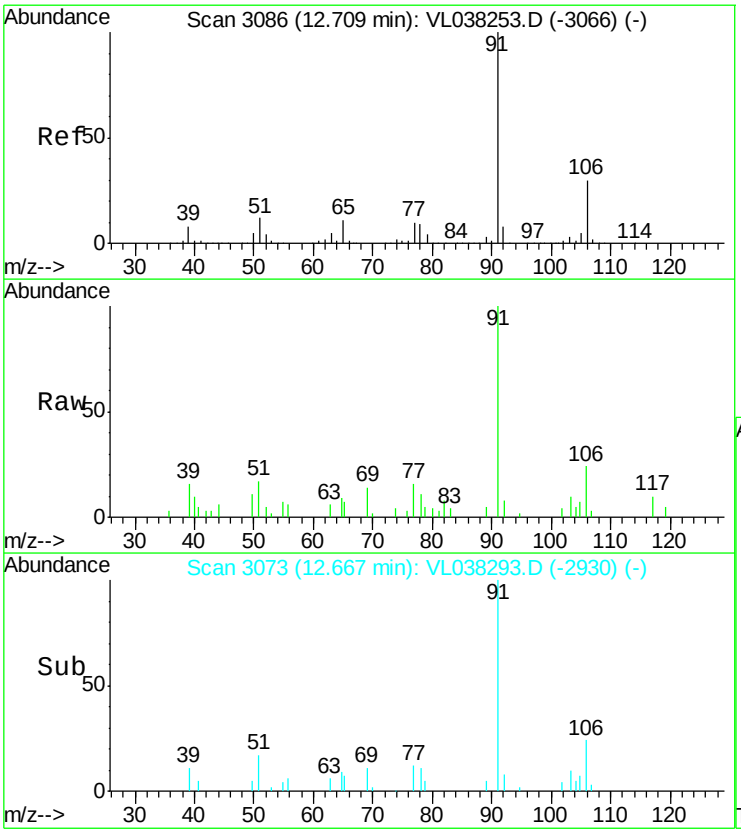
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion:117 Resp: 1619036

Ion	Ratio	Lower	Upper
117	100		
82	72.9	54.4	81.6
119	34.5	45.9	68.9#

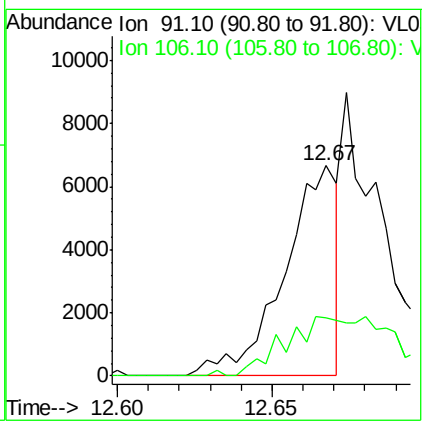


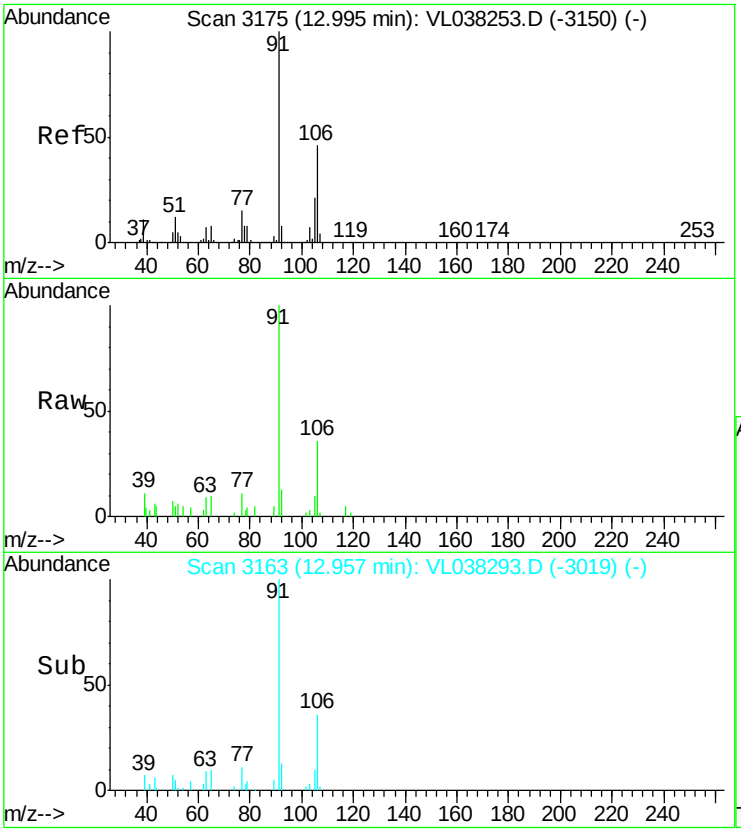


#58
Ethyl Benzene
Concen: 0.034 ppbv
RT: 12.67 min Scan# 3073
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 91 Resp: 7980

Ion	Ratio	Lower	Upper
91	100		
106	27.6	24.1	36.1



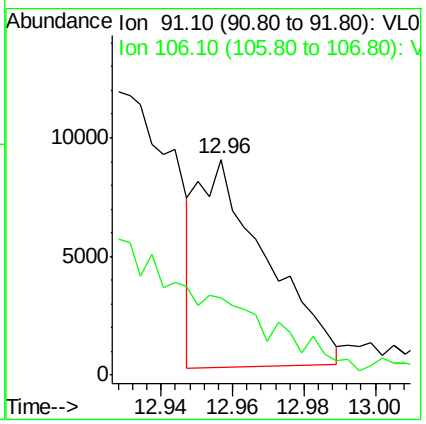


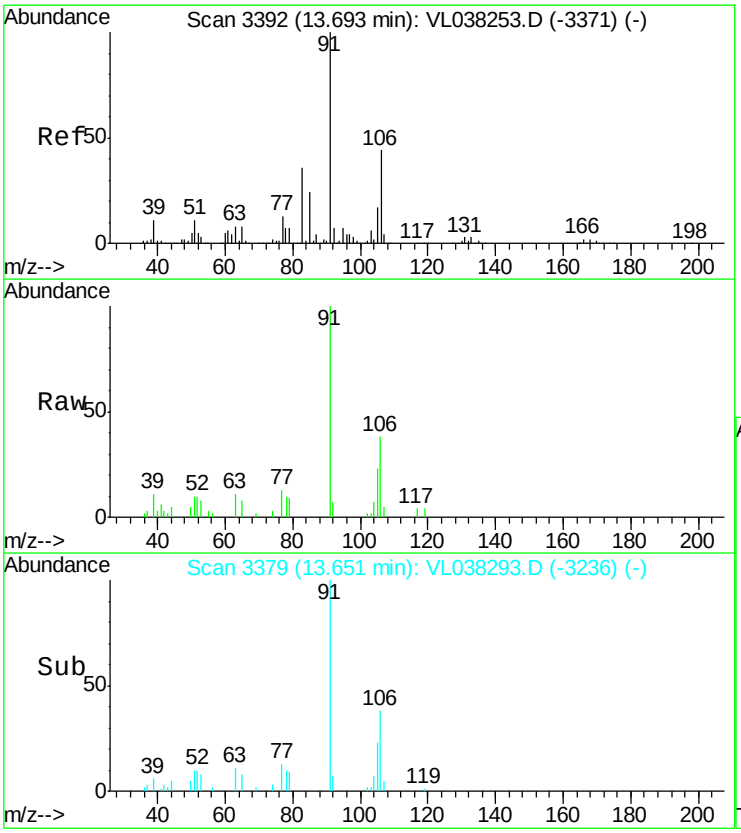
#59
m/p-Xylene
Concen: 0.058 ppbv
RT: 12.96
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 91 Resp: 11677

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.8	52.2#

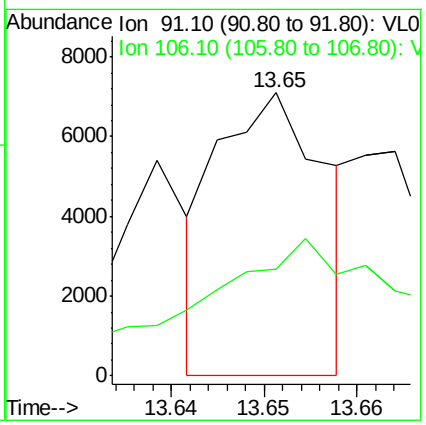


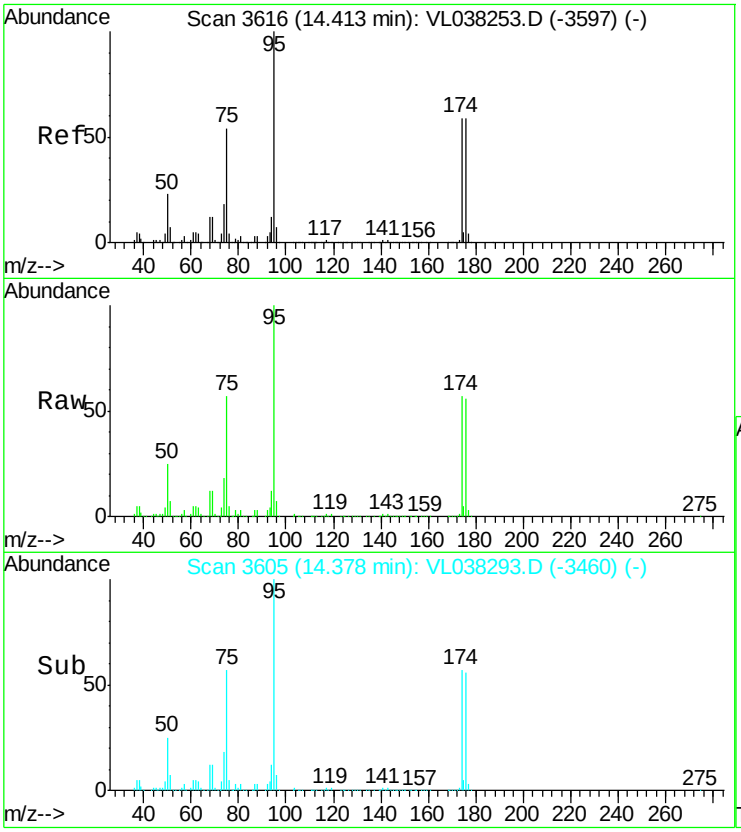


#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion: 91 Resp: 5756

Ion	Ratio	Lower	Upper
91	100		
106	122.2	22.2	66.6#



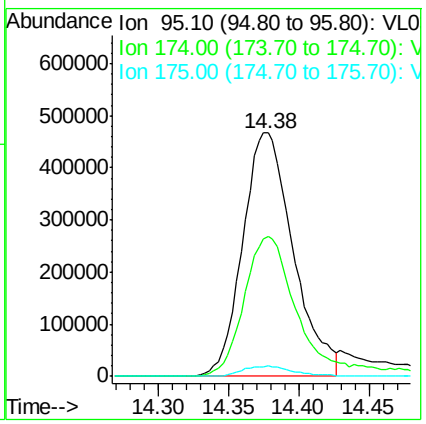


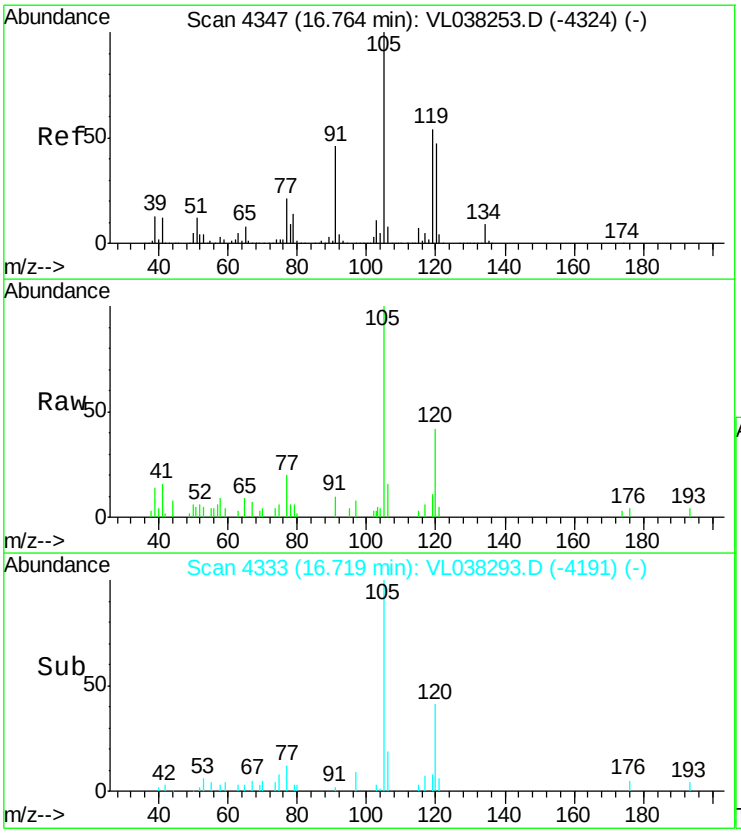
#68
1-Bromo-4-Fluorobenzene
Concen: 9.531 ppbv
RT: 14.38
Delta R.T
Lab File:
Acq: 26 Jan 2022 18:05

Instrument :
MSVOA_L
ClientSampleId :
IA-1

Tgt Ion: 95 Resp: 1171249

Ion	Ratio	Lower	Upper
95	100		
174	65.5	48.3	72.5
175	4.8	3.5	5.3





#74
1,2,4-Trimethylbenzene
Concen: 0.040 ppbv
RT: 16.72 min Scan# 4333
Delta R.T. -0.04 min
Lab File: VL038293.D
Acq: 26 Jan 2022 18:05

Tgt Ion:105 Resp: 7499

Ion	Ratio	Lower	Upper
105	100		
120	42.4	37.2	55.8
91	9.8	36.6	55.0#
77	20.0	16.9	25.3