Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
Data File : VL038330.D
Acq On : 3 Feb 2022 12:16
Operator : SY/AP
Sample : N1379-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1

Quant Time: Feb 04 08:40:02 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	5.65	49	837064	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	2259532	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	1858776	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	1501285	10.64	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 106.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	36644	0.206	ppbv		94
3) Chlorodifluoromethane	2.99	51	167222	1.004	ppbv	#	86
4) Chloromethane	3.13	50	25722	0.449	ppbv		99
9) Propene	3.20	41	209997	3.871	ppbv		98
10) Heptane	8.10	43	43344	0.311	ppbv		97
11) Trichlorofluoromethane	3.94	101	30737	0.221	ppbv		99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	6029	0.057	ppbv		100
13) Ethanol	3.59	45	376532	64.658	ppbv		96
15) Acetone	3.84	43	151332	2.051	ppbv	#	47
16) 1,3-Butadiene	3.30	39	29652	0.560	ppbv	#	54
19) Isopropyl Alcohol	3.96	45	176529	3.824	ppbv	#	97
20) Methylene Chloride	4.33	84	7115	0.166	ppbv	#	93
21) Allyl Chloride	4.36	41	5295	0.081	ppbv	#	1
23) Vinyl Acetate	5.05	43	30924	0.288	ppbv	#	1
25) Ethyl Acetate	5.67	43	75155	0.364	ppbv	#	91
26) Hexane	5.67	57	70446	0.733	ppbv	#	58
29) Chloroform	5.73	83	10030	0.064	ppbv	#	55
30) Cyclohexane	7.11	84	19672	0.235	ppbv	#	27
34) 2-Butanone	5.23	43	11961	0.162	ppbv	#	53
36) Benzene	6.87	78	168607	0.844	ppbv		97
39) 1,2-Dichloropropane	7.16	63	583946	7.206	ppbv	#	25
43) Methyl Methacrylate	8.00	69	7989	0.113	ppbv	#	60
44) 2,2,4-Trimethylpentane	7.85	57	136734	0.388	ppbv	#	87
51) 2-Hexanone	10.09	43	2652	0.046	ppbv	#	31
53) Toluene	9.79	91	287838	1.301	ppbv		98
58) Ethyl Benzene	12.69	91	34699	0.127	ppbv		97
59) m/p-Xylene	12.96	91	74148	0.318	ppbv	#	32
60) o-Xylene	13.66	91	61746	0.285	ppbv		99
72) 4-Ethyltoluene	15.81	105	10152	0.045	ppbv	#	48
73) 1,3,5-Trimethylbenzene	15.97	105	11086	0.054	ppbv	#	83
74) 1,2,4-Trimethylbenzene	16.74	105	39714	0.185	ppbv	#	72
76) 1,4-Dichlorobenzene	17.11	146	3387	0.030	ppbv	#	1
78) Hexachloro-1,3-Butadiene	23.35	225	2916	0.039	ppbv	#	1
79) Naphthalene	22.15	128	3484	0.035	ppbv	#	88
80) Naphthalene,2-methyl-	24.95	142	4681	0.429	ppbv	#	91

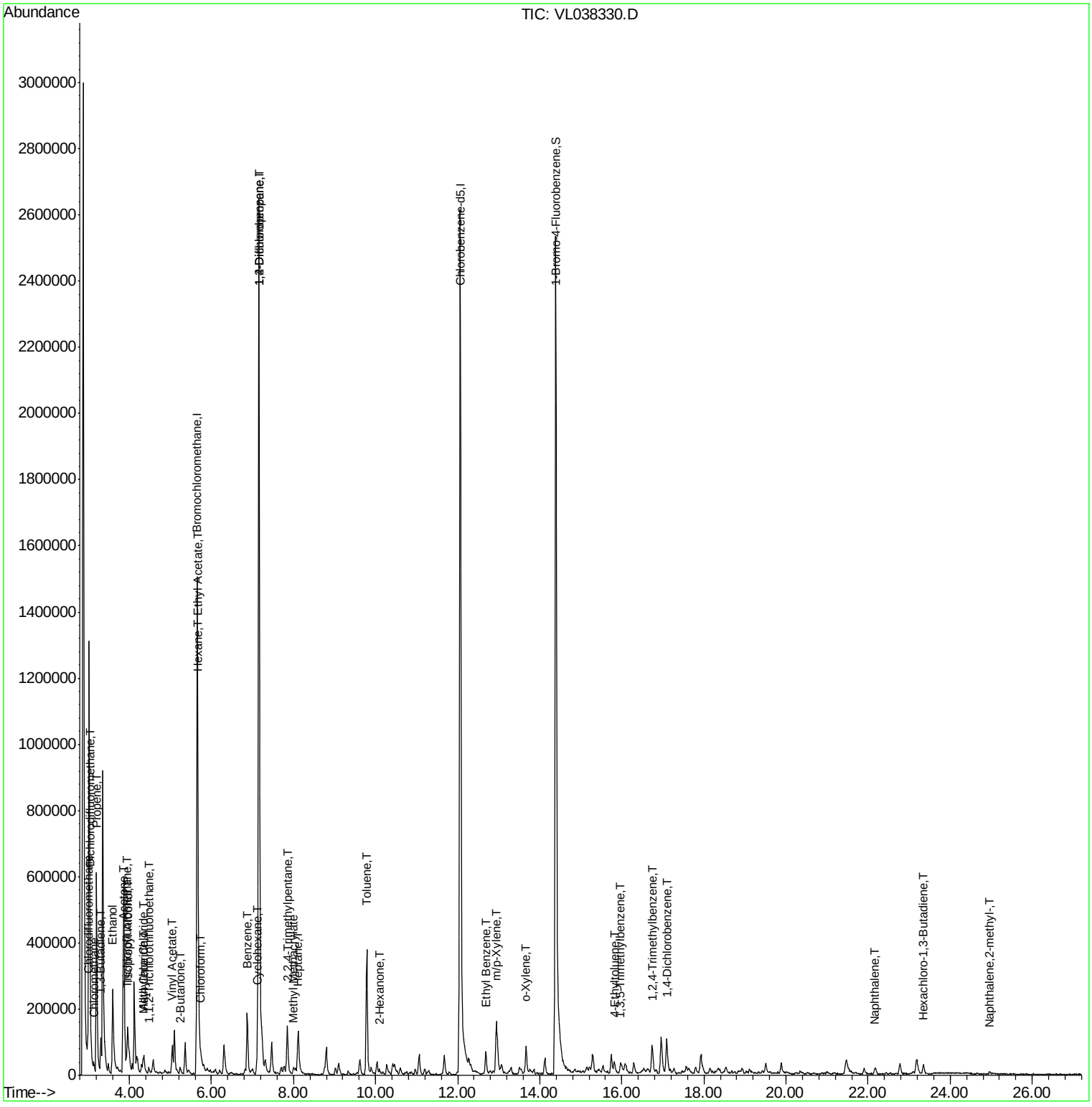
(#) = qualifier out of range (m) = manual integration (+) = signals summed

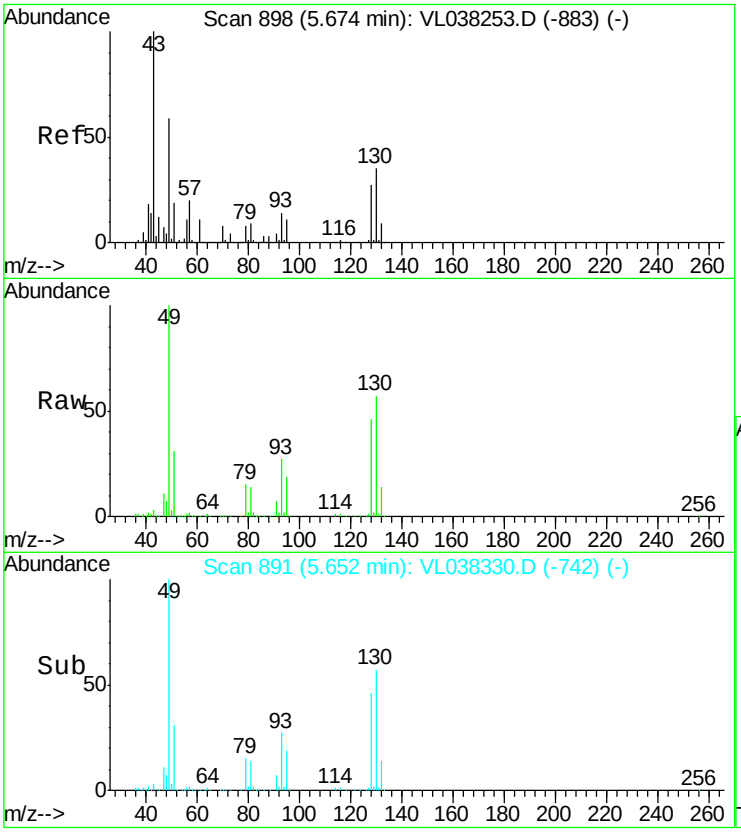
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020322\
Data File : VL038330.D
Acq On : 3 Feb 2022 12:16
Operator : SY/AP
Sample : N1379-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Feb 04 08:40:02 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



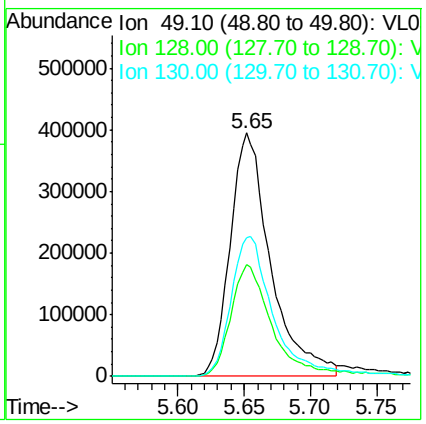


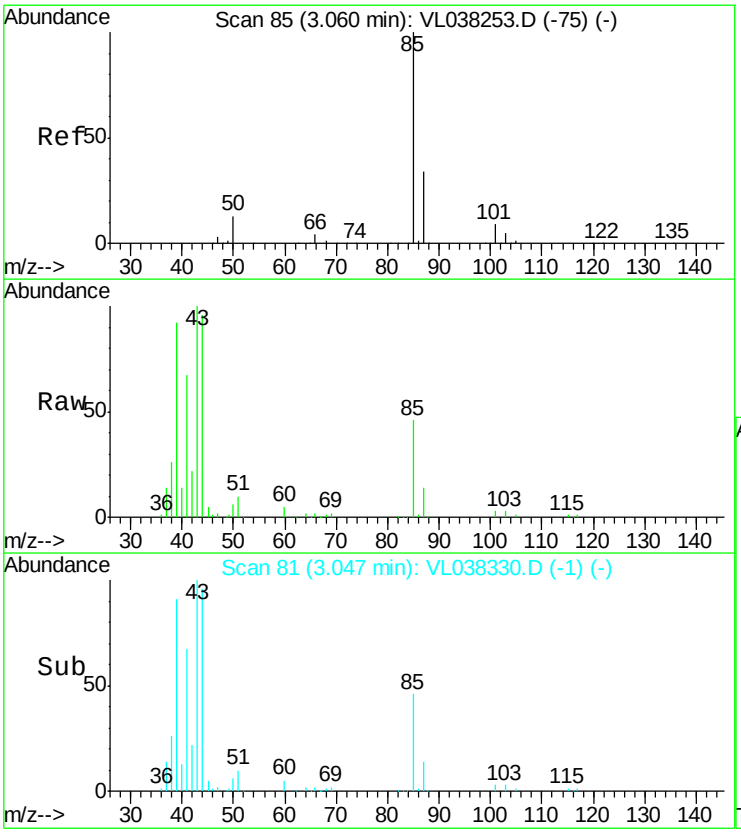
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 837064

Ion	Ratio	Lower	Upper
49	100		
128	48.6	24.5	73.5
130	61.7	30.1	90.5

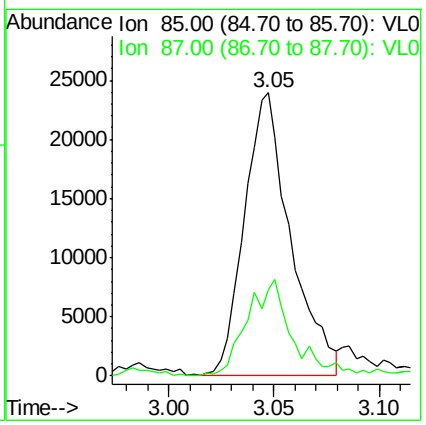


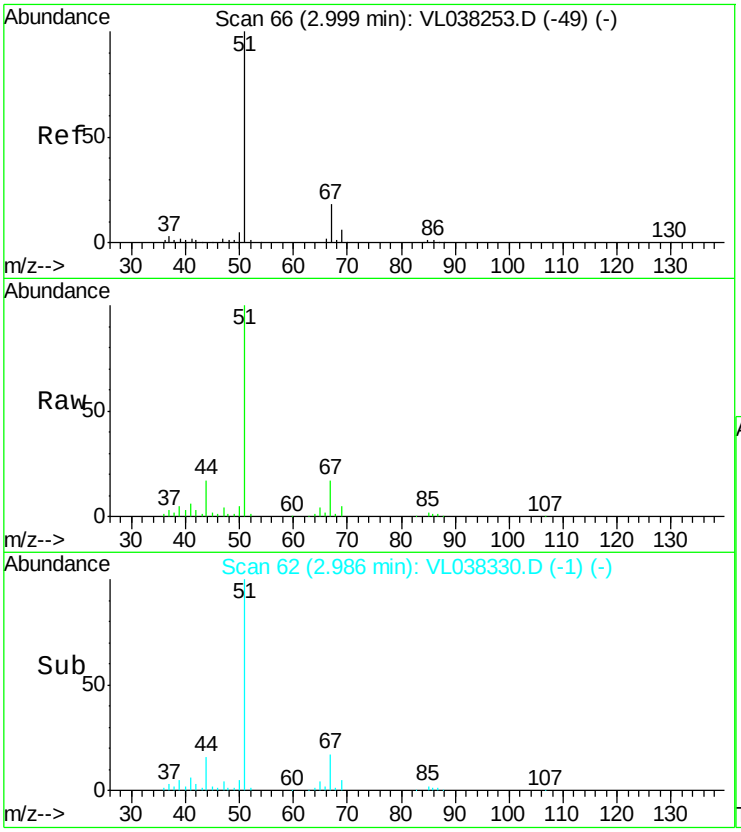


#2
Dichlorodifluoromethane
Concen: 0.206 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.01 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 85 Resp: 36644

Ion	Ratio	Lower	Upper
85	100		
87	30.6	27.0	40.6



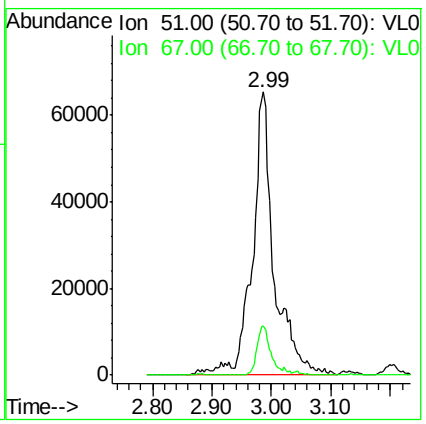


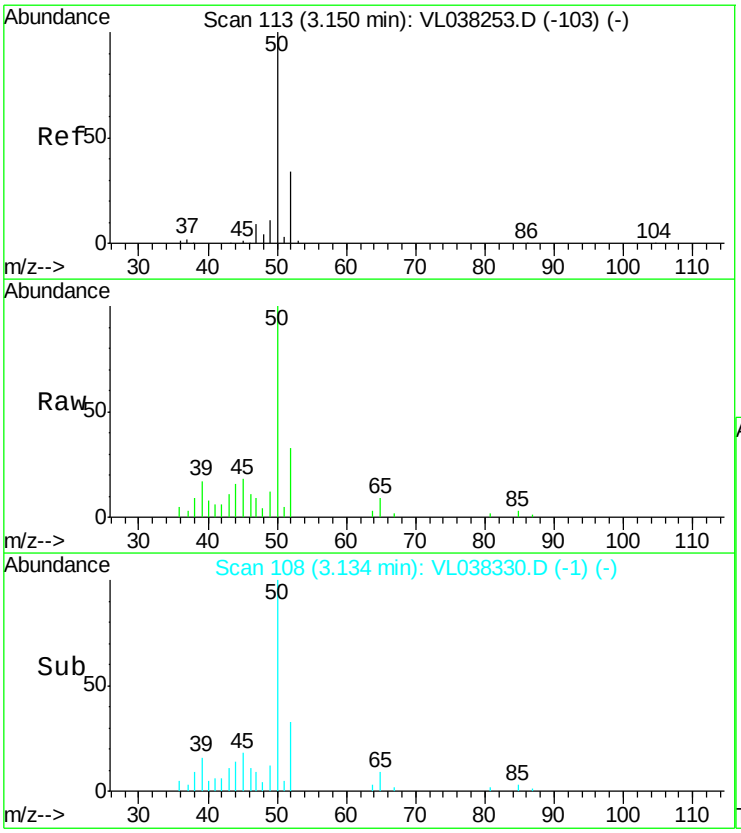
#3
Chlorodifluoromethane
Concen: 1.004 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 167222

Ion	Ratio	Lower	Upper
51	100		
67	11.9	14.4	21.6#

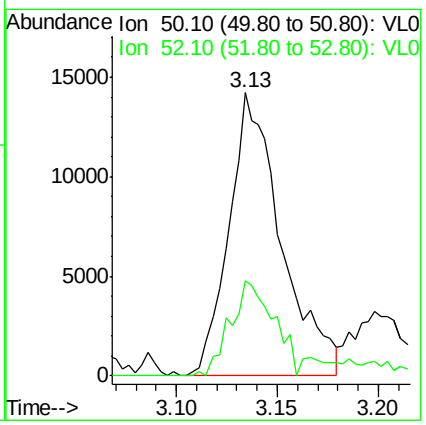


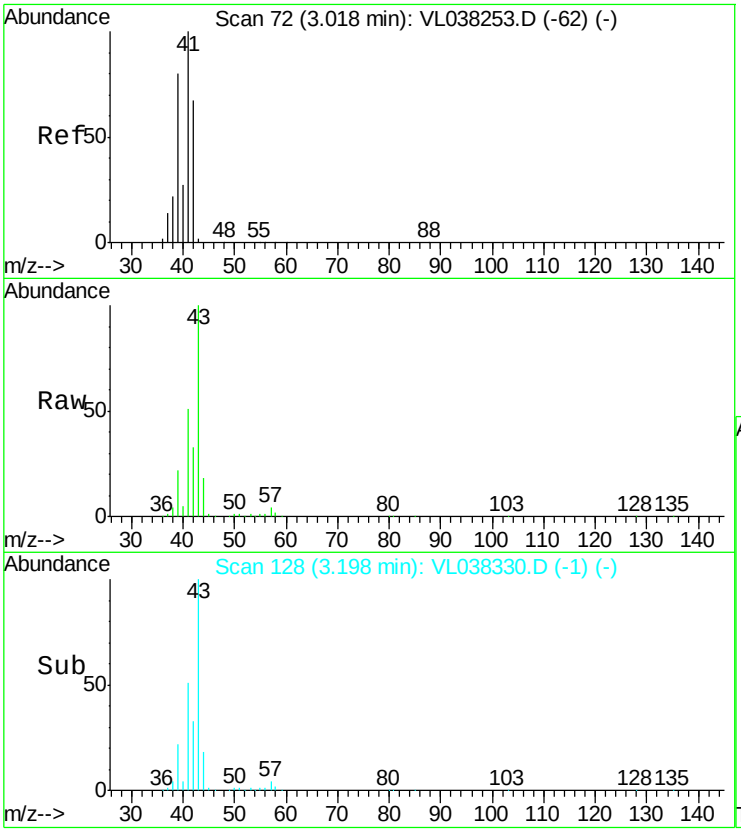


#4
Chloromethane
Concen: 0.449 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 50 Resp: 25722

Ion	Ratio	Lower	Upper
50	100		
52	33.5	27.1	40.7



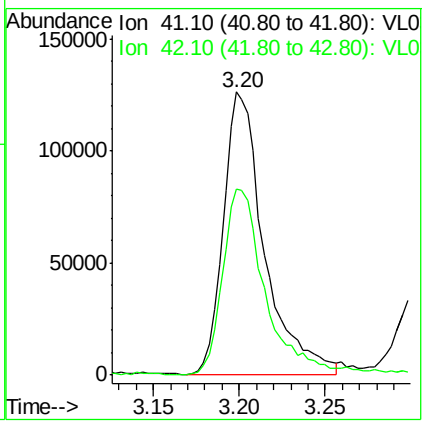


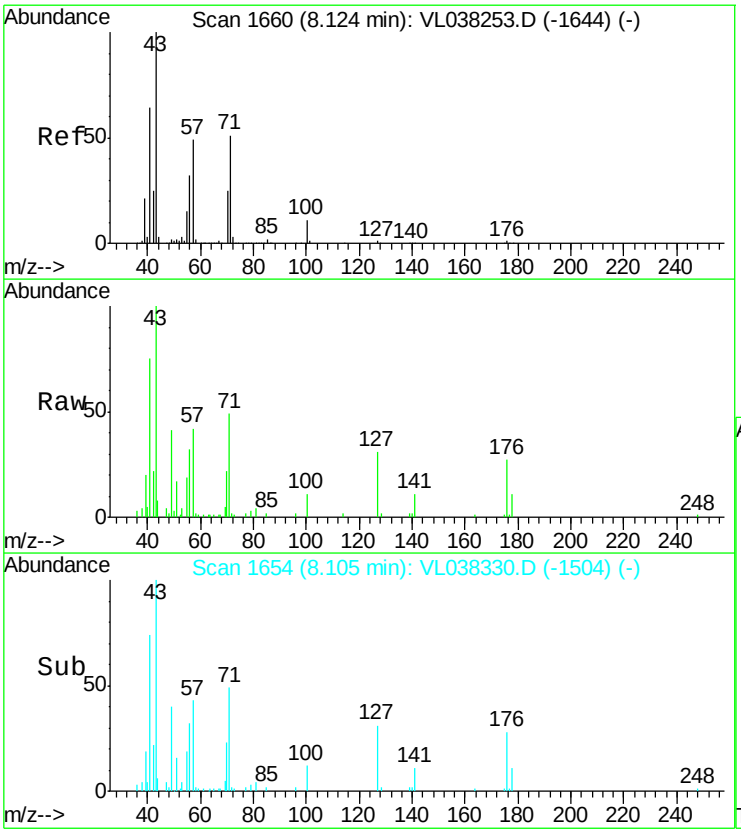
#9
Propene
Concen: 3.871 ppbv
RT: 3.20
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 209997

Ion	Ratio	Lower	Upper
41	100		
42	70.1	54.9	82.3

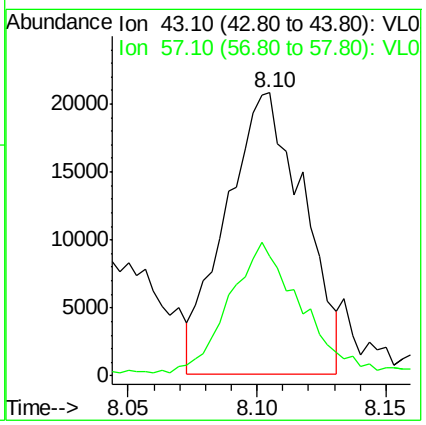


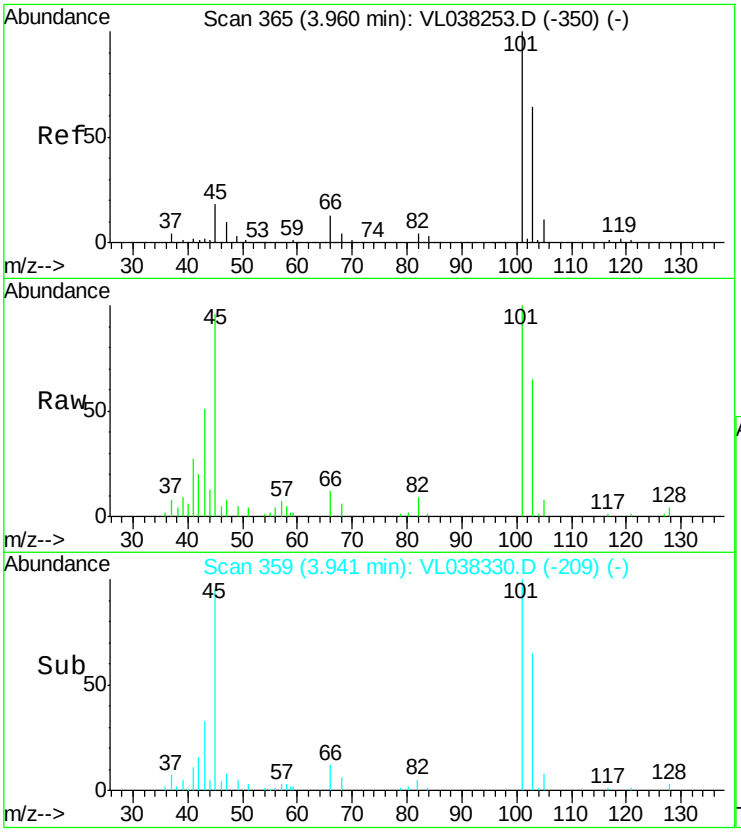


#10
Heptane
Concen: 0.311 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 43 Resp: 43344

Ion	Ratio	Lower	Upper
43	100		
57	47.5	39.5	59.3



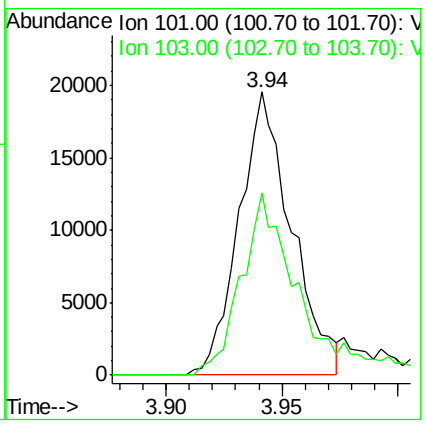


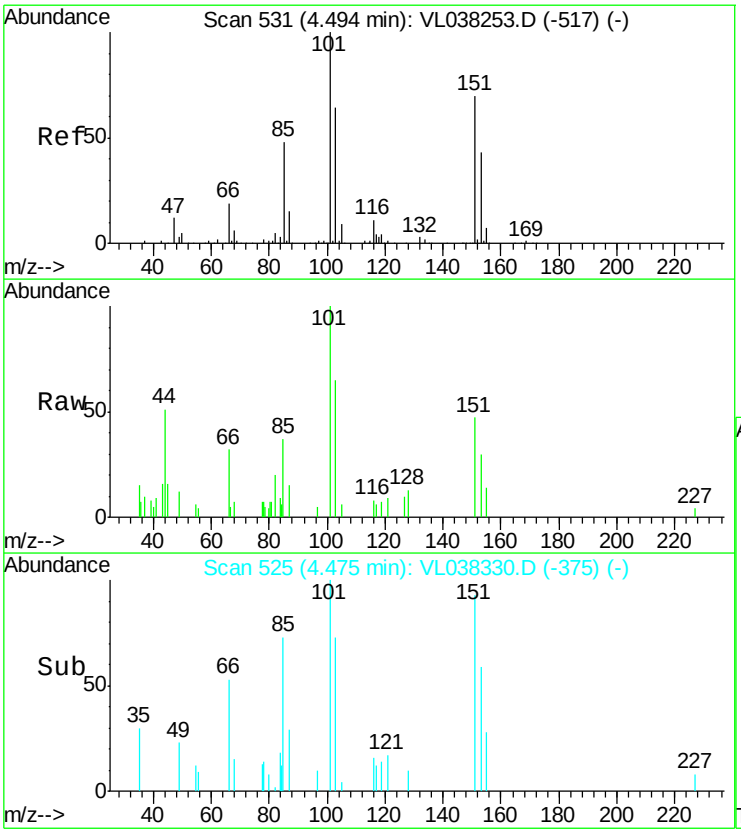
#11
Trichlorofluoromethane
Concen: 0.221 ppbv
RT: 3.94
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 30737

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.2	76.8

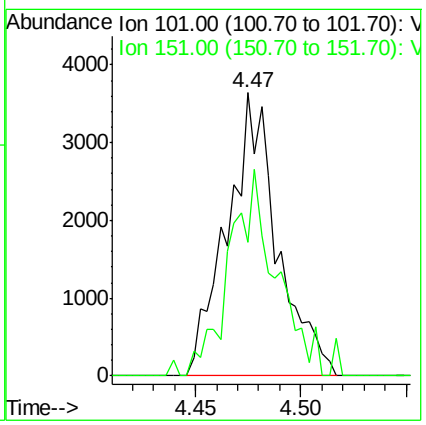


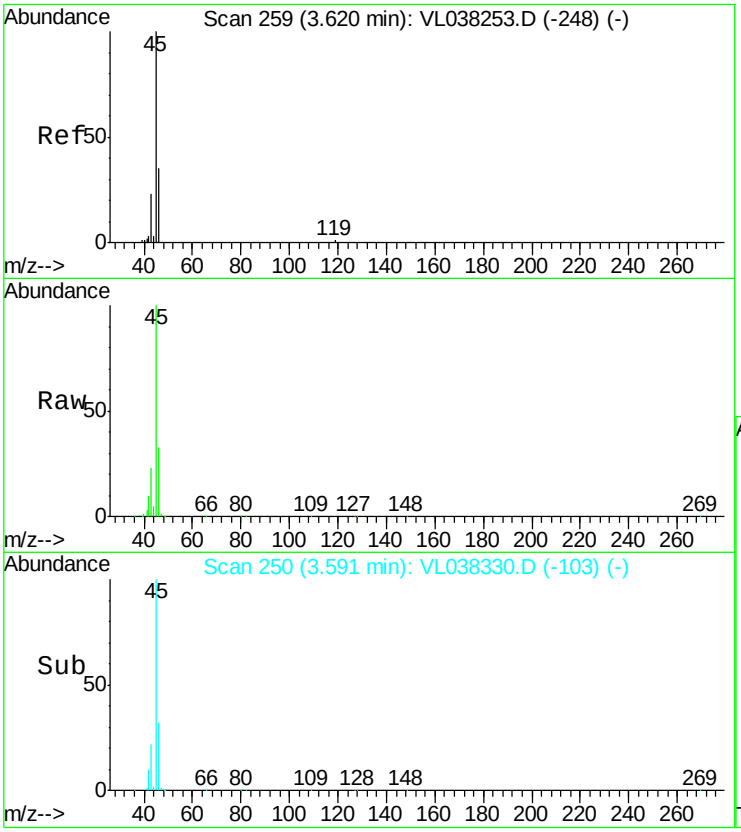


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.057 ppbv
RT: 4.47 min Scan# 525
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:101 Resp: 6029

Ion	Ratio	Lower	Upper
101	100		
151	69.3	55.3	82.9



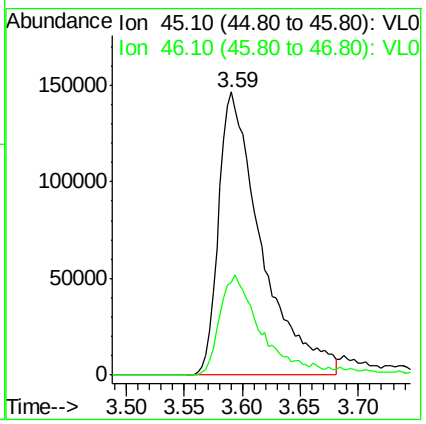


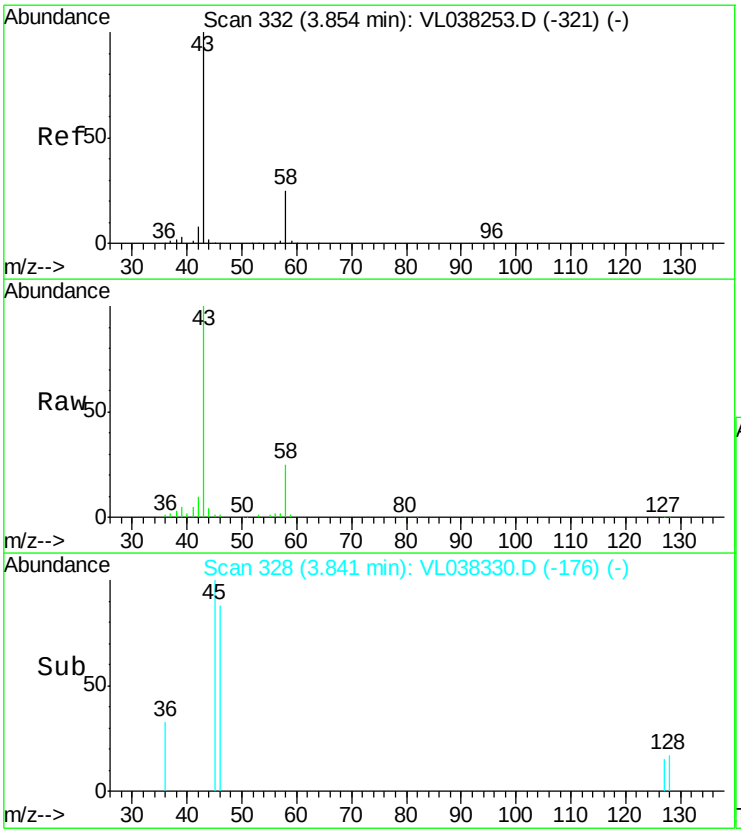
#13
Ethanol
Concen: 64.658 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 376532

Ion	Ratio	Lower	Upper
45	100		
46	36.1	15.4	61.6

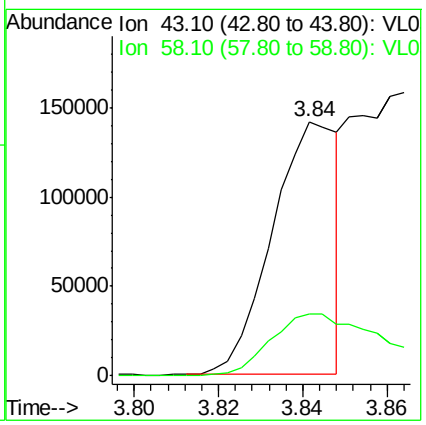


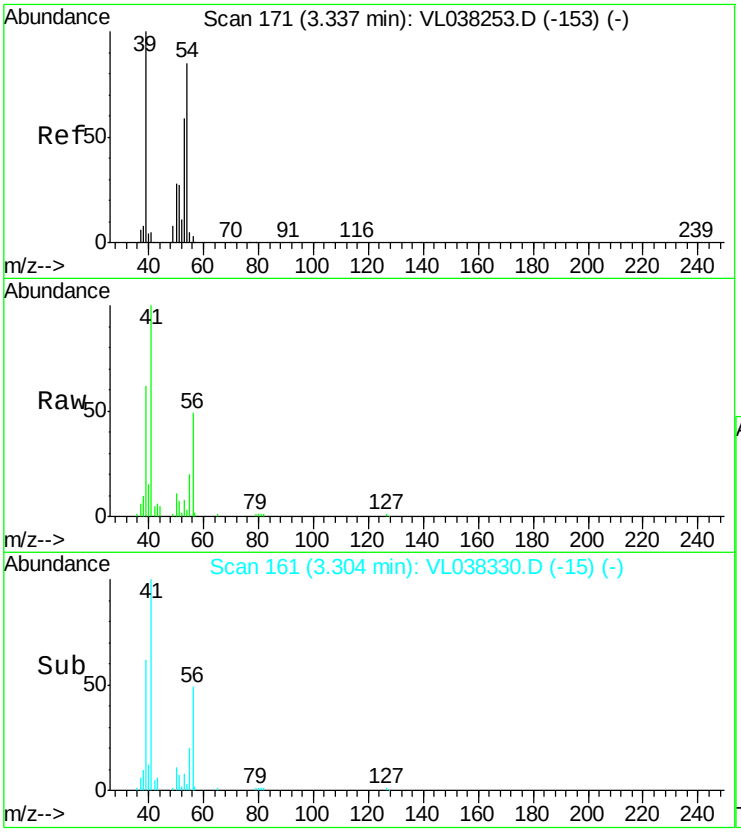


#15
Acetone
Concen: 2.051 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 43 Resp: 151332

Ion	Ratio	Lower	Upper
43	100		
58	54.1	21.5	32.3#



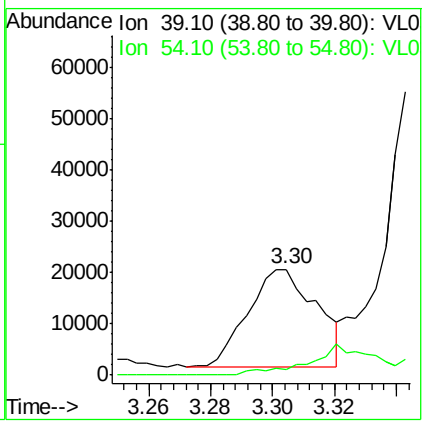


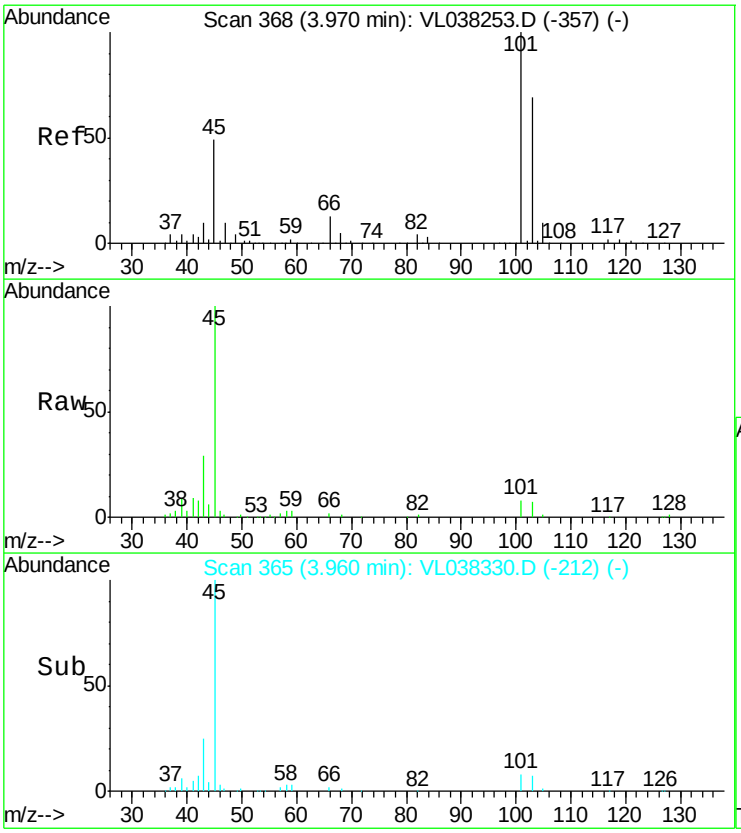
#16
1,3-Butadiene
Concen: 0.560 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 39 Resp: 29652

Ion	Ratio	Lower	Upper
39	100		
54	37.9	62.6	94.0#

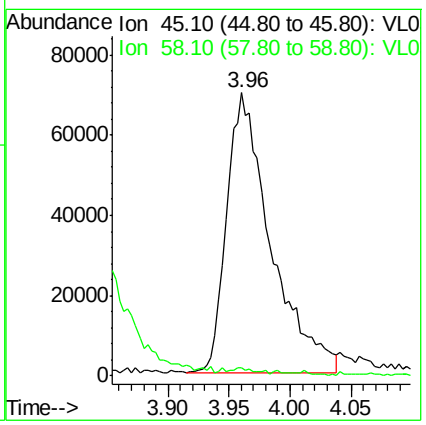


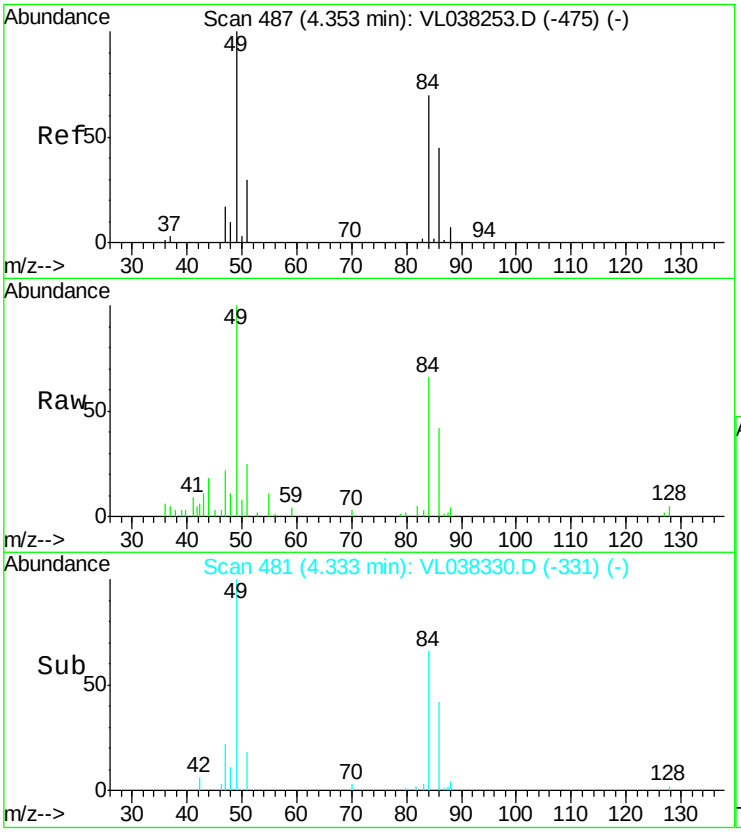


#19
Isopropyl Alcohol
Concen: 3.824 ppbv
RT: 3.96 min Scan# 365
Delta R.T. -0.01 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 45 Resp: 176529

Ion	Ratio	Lower	Upper
45	100		
58	4.1	2.3	3.5#



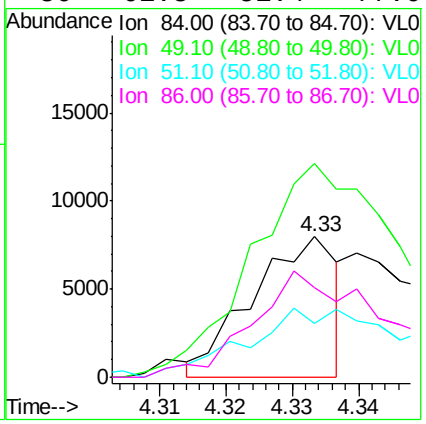


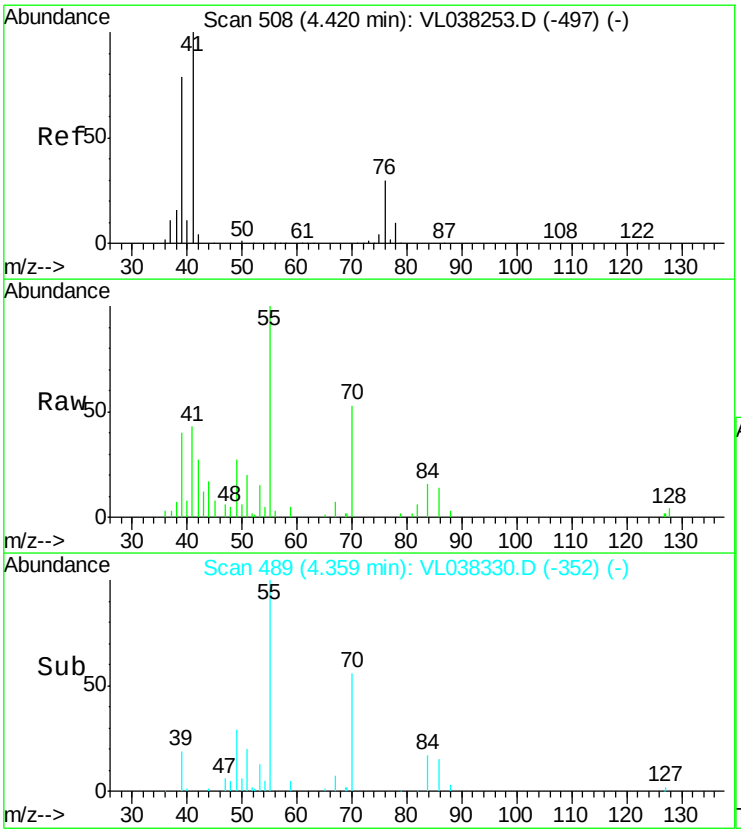
#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 4.33
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 7115

Ion	Ratio	Lower	Upper
84	100		
49	150.3	115.0	172.6
51	32.9	35.0	52.6#
86	61.3	51.4	77.0

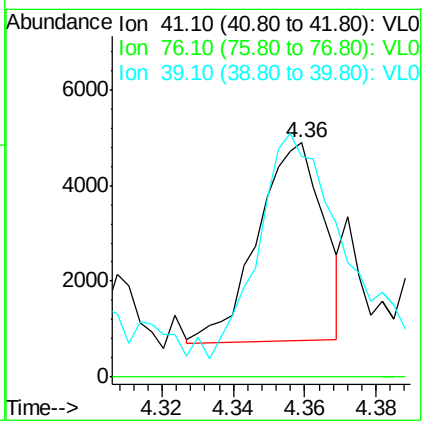


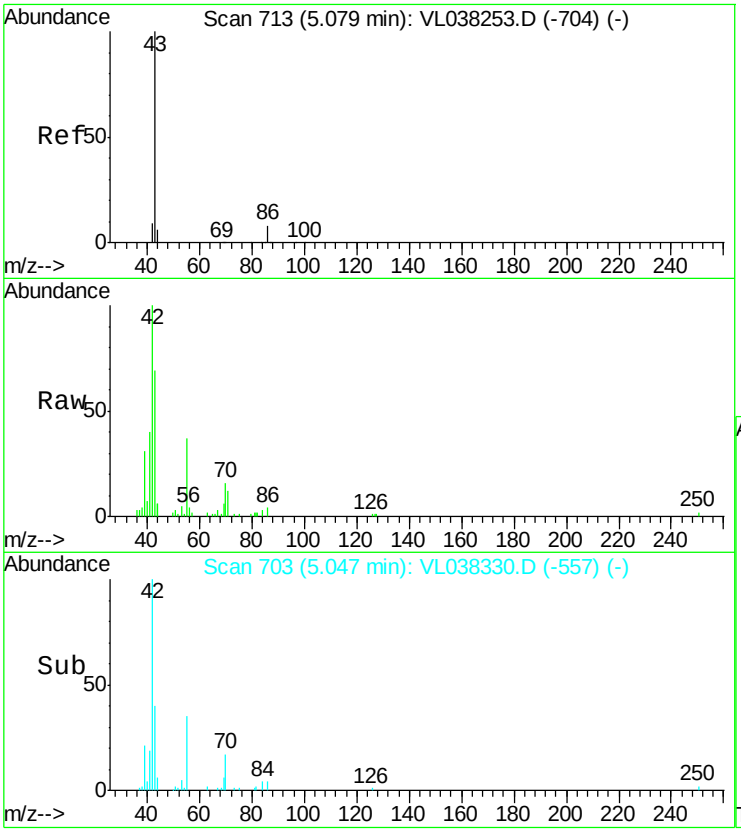


#21
Allyl Chloride
Concen: 0.081 ppbv
RT: 4.36 min Scan# 489
Delta R.T. -0.06 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 41 Resp: 5295

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	213.7	63.0	94.6#



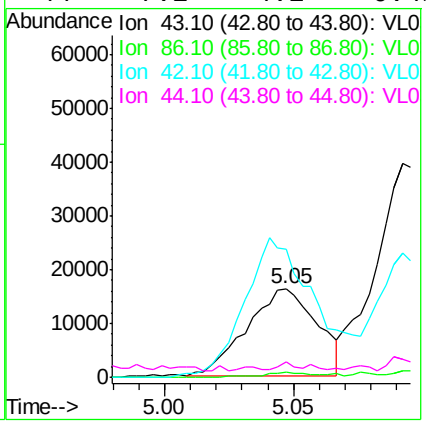


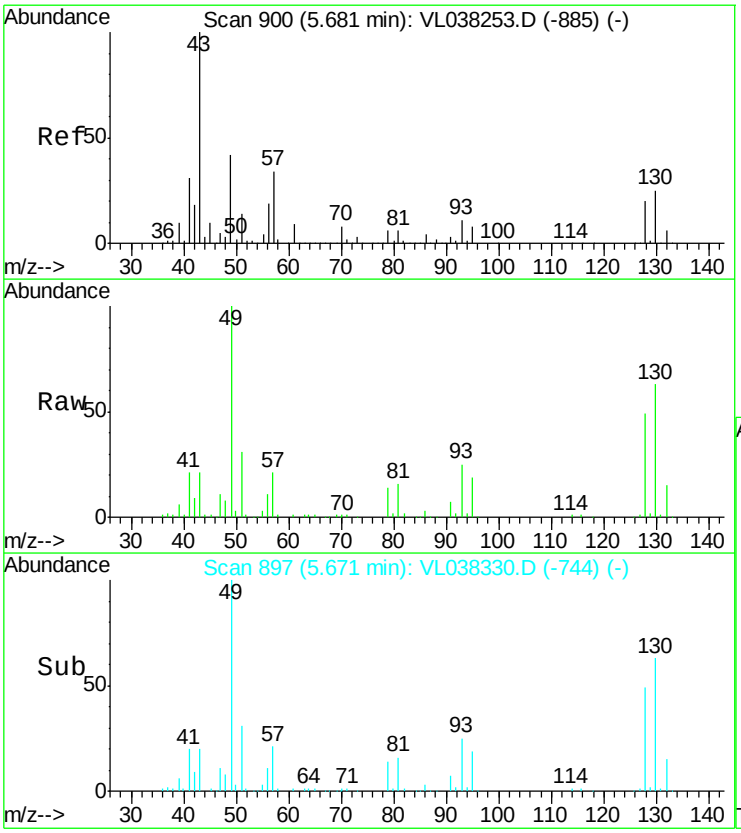
#23
Vinyl Acetate
Concen: 0.288 ppbv
RT: 5.05
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 30924

Ion	Ratio	Lower	Upper
43	100		
86	5.4	5.7	8.5#
42	140.0	7.7	11.5#
44	7.2	4.2	6.4#

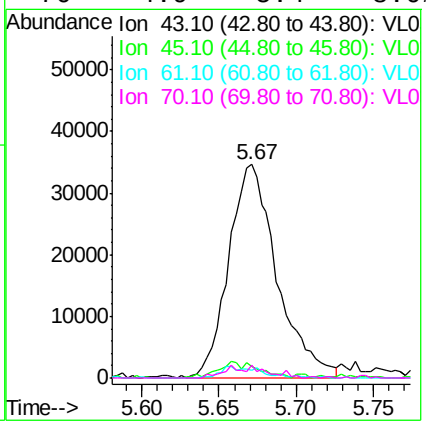


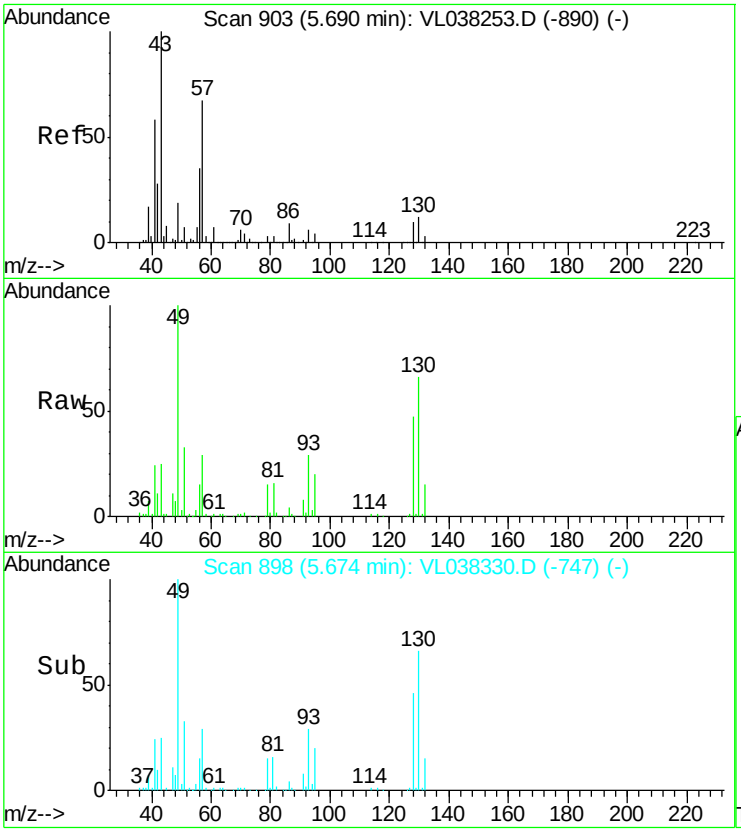


#25
Ethyl Acetate
Concen: 0.364 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 43 Resp: 75155

Ion	Ratio	Lower	Upper
43	100		
45	6.8	7.9	11.9#
61	4.9	7.8	11.8#
70	4.9	5.4	8.0#



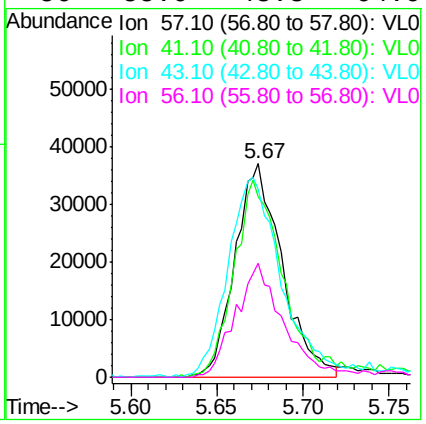


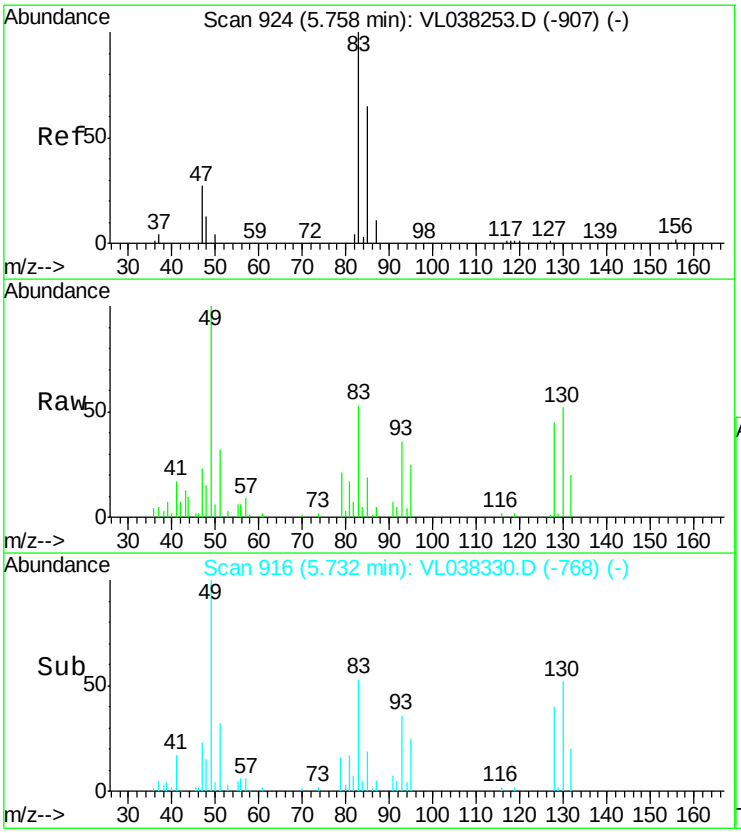
#26
Hexane
Concen: 0.733 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 70446

Ion	Ratio	Lower	Upper
57	100		
41	100.1	72.8	109.2
43	115.4	177.0	265.6#
56	55.0	43.3	64.9

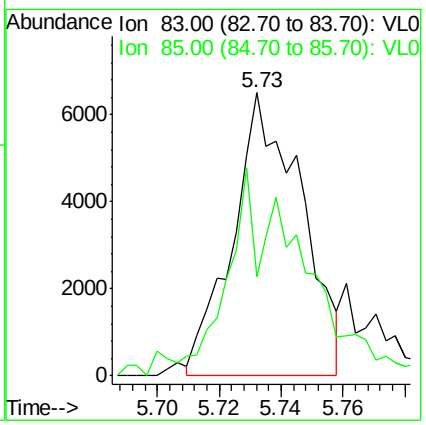


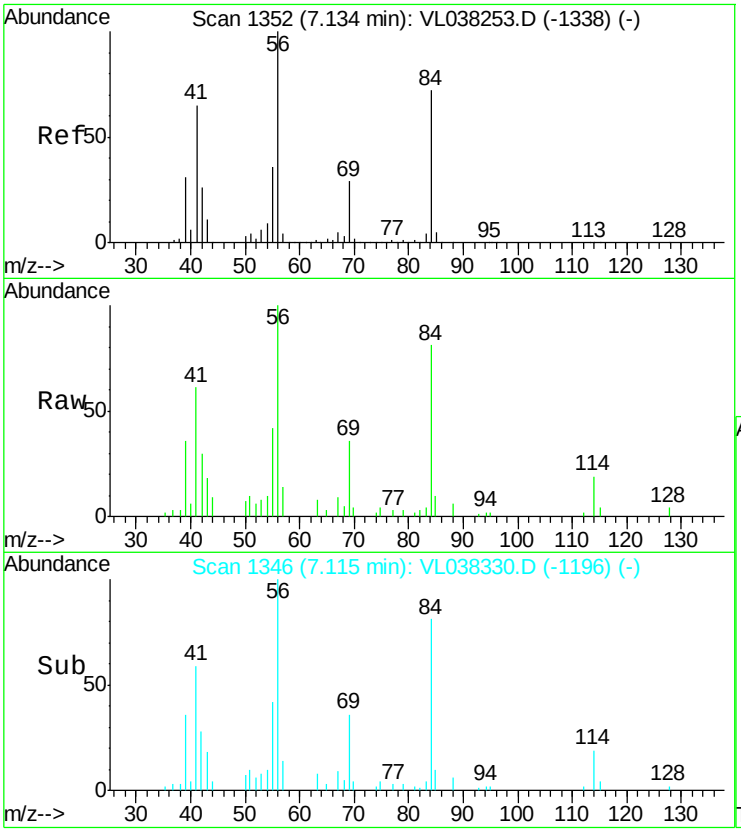


#29
Chloroform
Concen: 0.064 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.03 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 83 Resp: 10030

Ion	Ratio	Lower	Upper
83	100		
85	29.1	51.9	77.9#



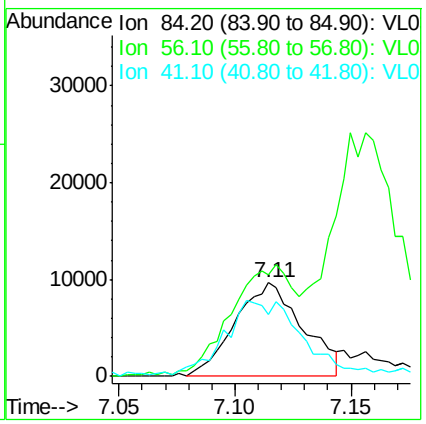


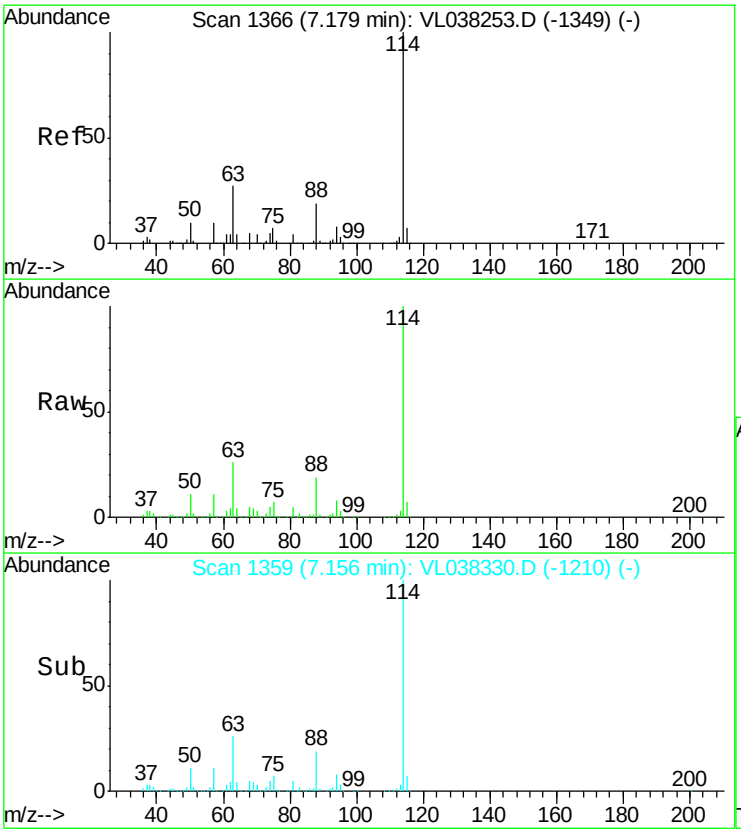
#30
Cyclohexane
Concen: 0.235 ppbv
RT: 7.11
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 84 Resp: 19672

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	95.2	71.1	106.7

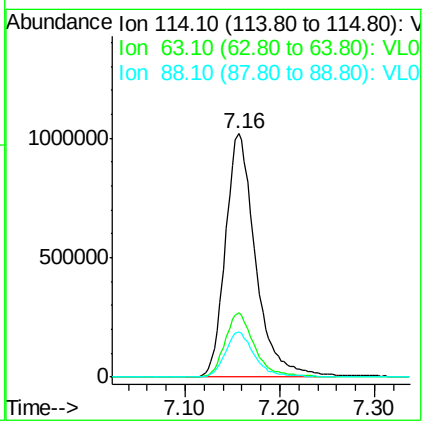


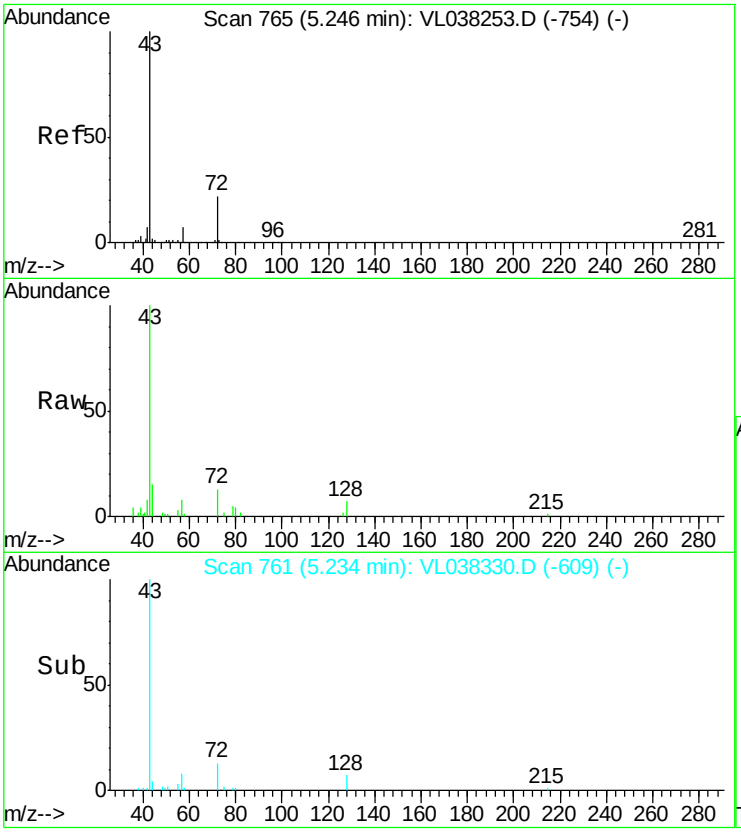


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:114 Resp: 2259532

Ion	Ratio	Lower	Upper
114	100		
63	26.2	22.0	33.0
88	18.3	15.0	22.6



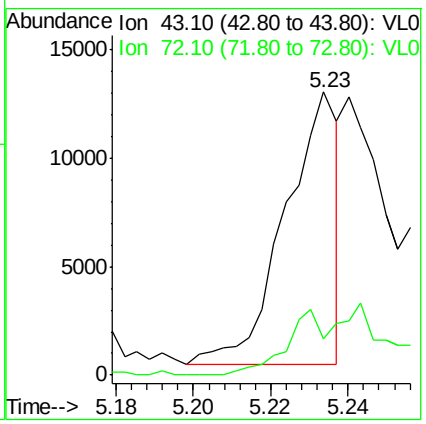


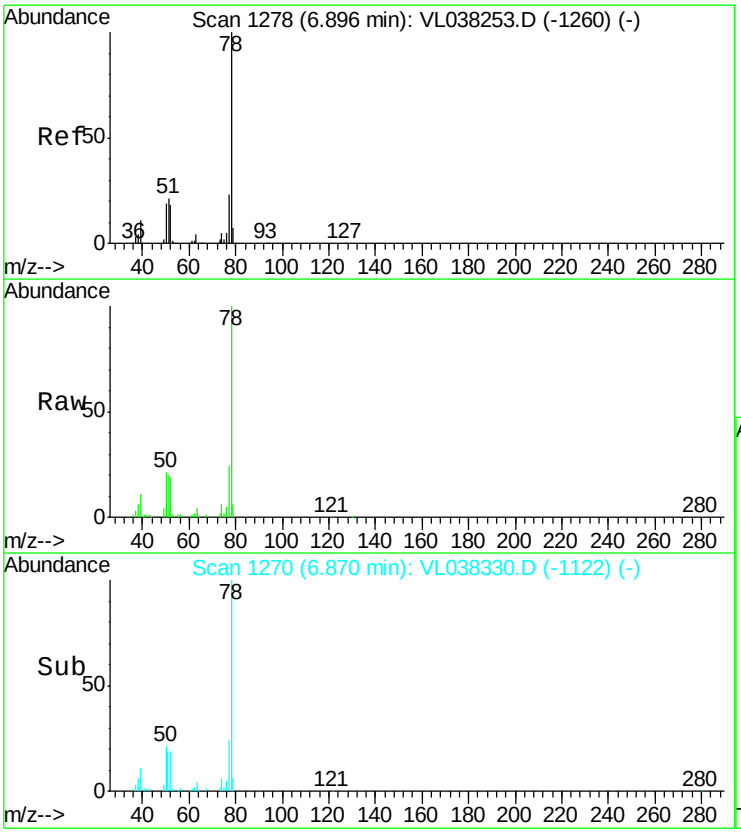
#34
2-Butanone
Concen: 0.162 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 11961

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.1	27.1#

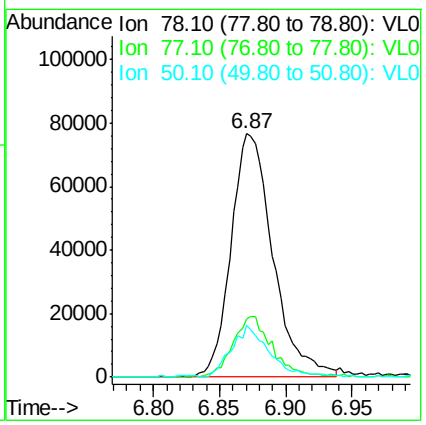


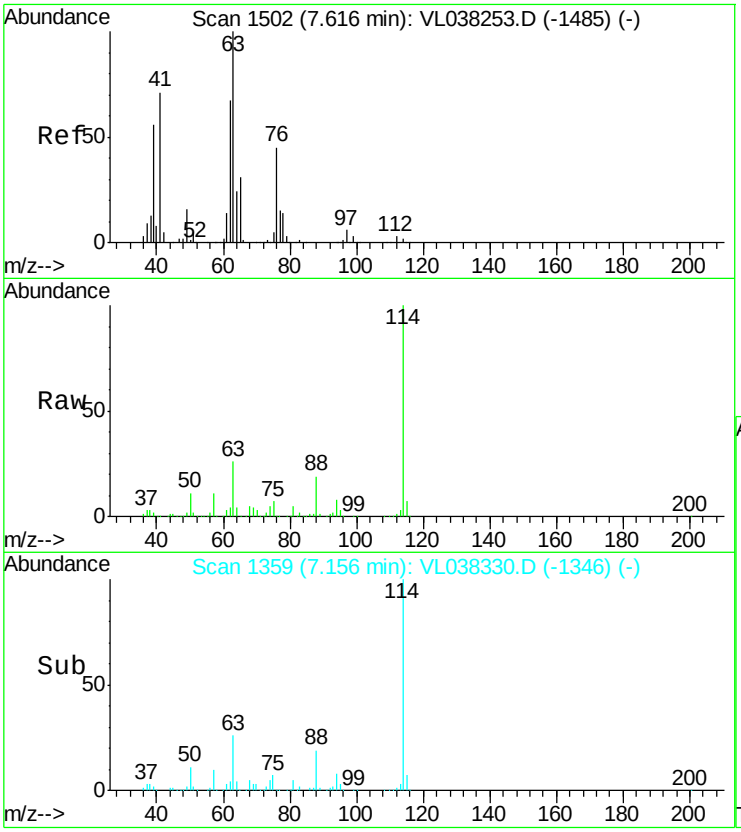


#36
Benzene
Concen: 0.844 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 78 Resp: 168607

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.2	27.2
50	20.5	15.1	22.7



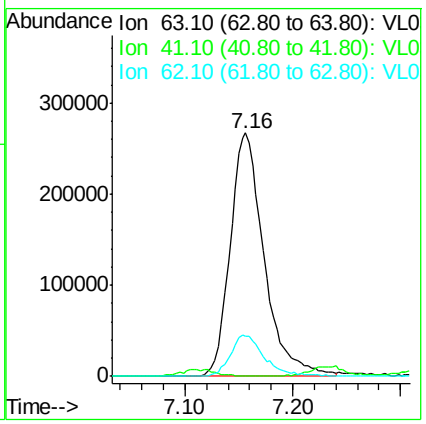


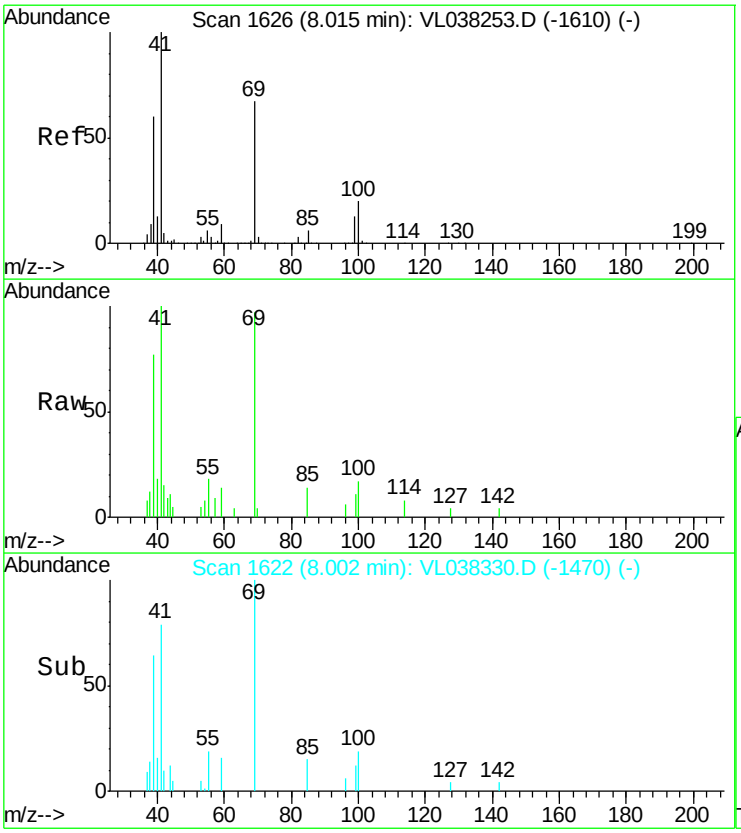
#39
1,2-Dichloropropane
Concen: 7.206 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 63 Resp: 583946

Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	16.4	53.9	80.9#

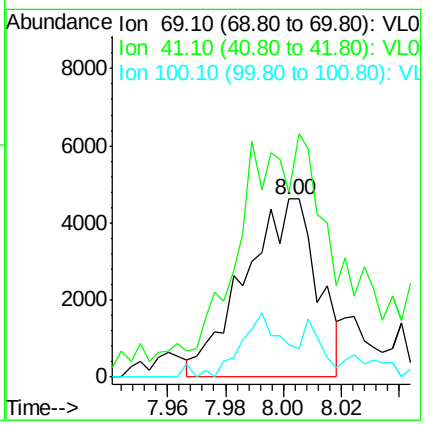


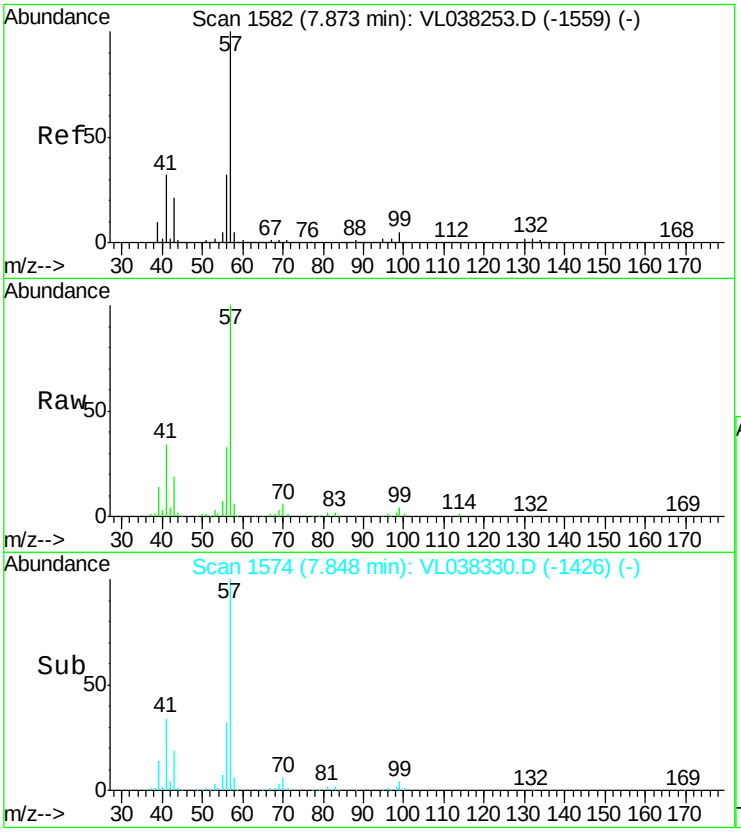


#43
Methyl Methacrylate
Concen: 0.113 ppbv
RT: 8.00 min Scan# 1622
Delta R.T. -0.01 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 69 Resp: 7989

Ion	Ratio	Lower	Upper
69	100		
41	208.5	120.9	181.3#
100	36.7	23.4	35.0#



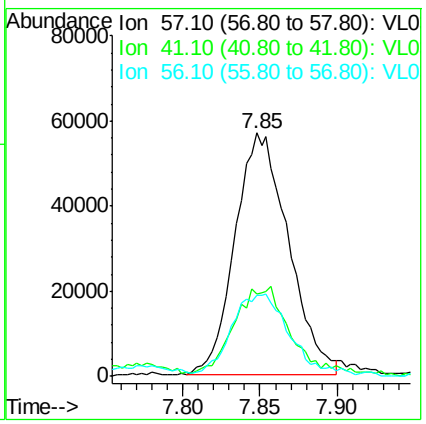


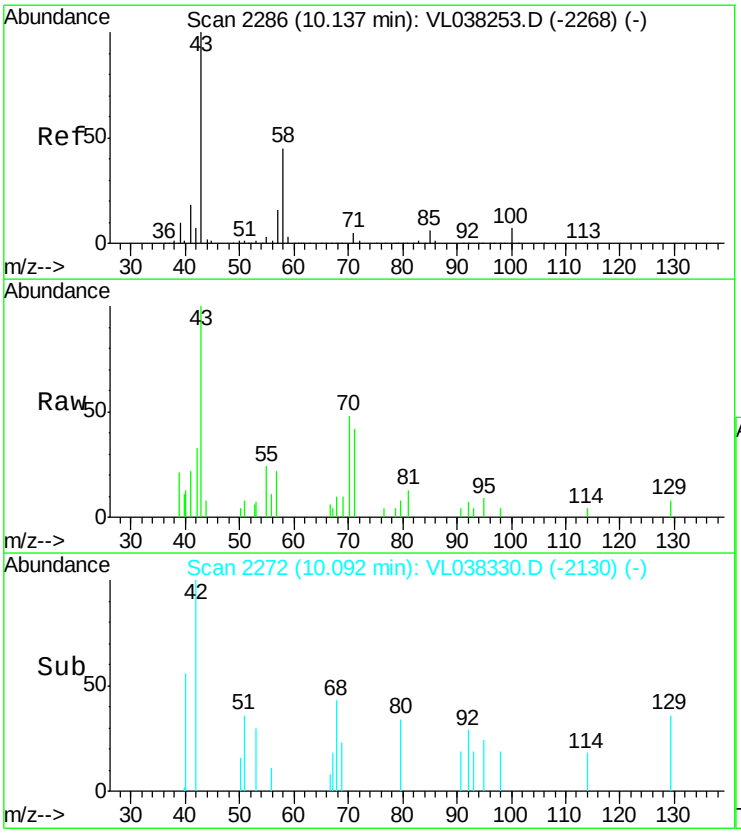
#44
2,2,4-Trimethylpentane
Concen: 0.388 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 136734

Ion	Ratio	Lower	Upper
57	100		
41	40.4	26.3	39.5#
56	38.1	25.2	37.8#

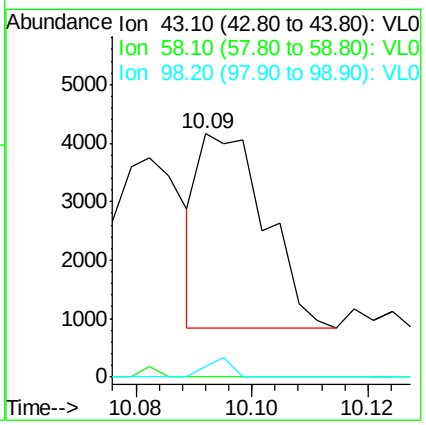


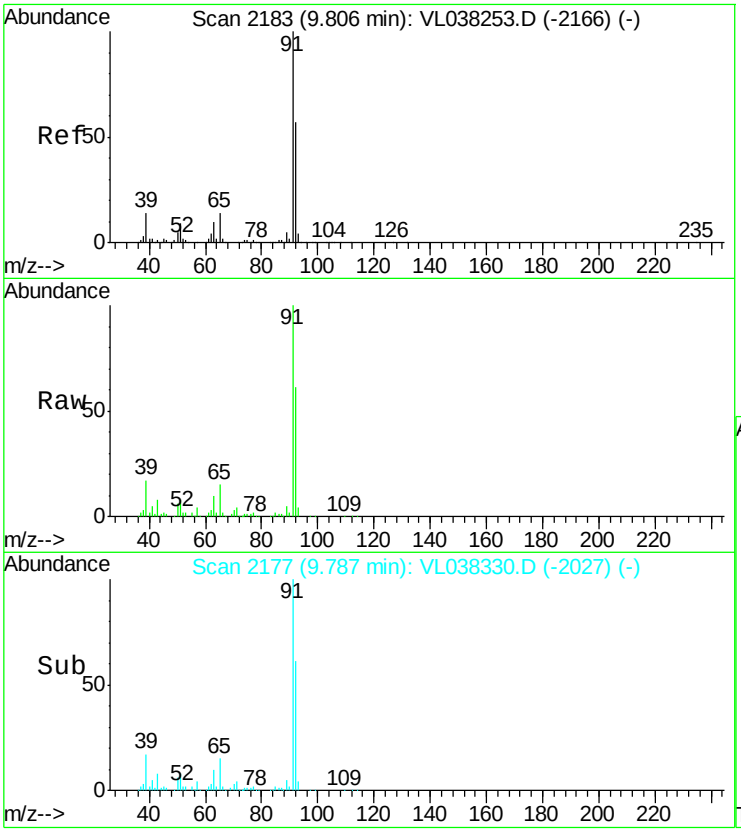


#51
2-Hexanone
Concen: 0.046 ppbv
RT: 10.09 min Scan# 2272
Delta R.T. -0.04 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 43 Resp: 2652

Ion	Ratio	Lower	Upper
43	100		
58	0.0	37.0	55.4#
98	0.0	0.2	0.2#



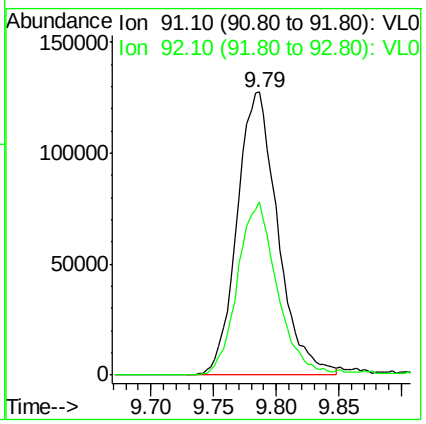


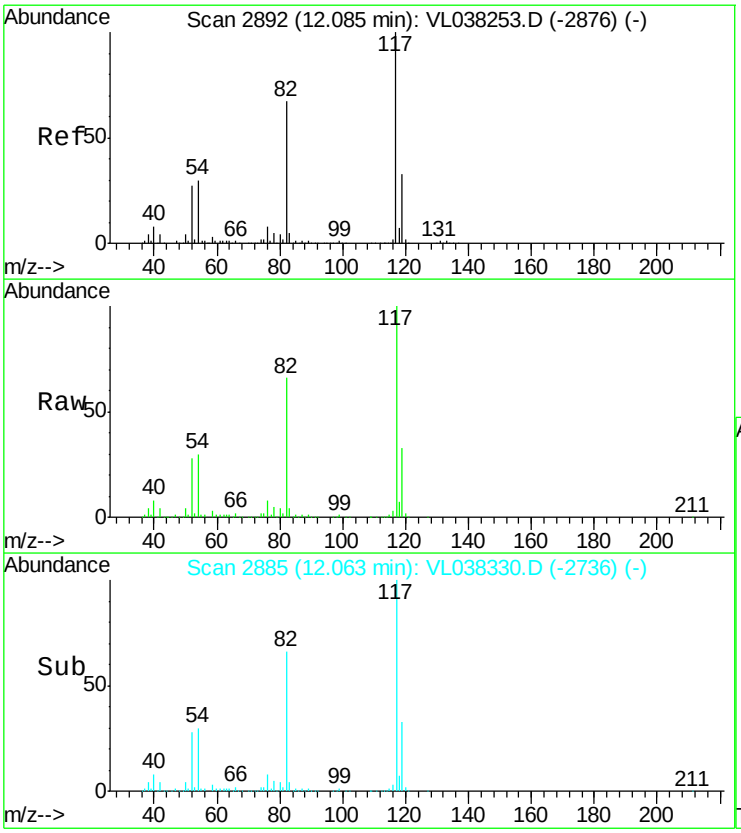
#53
Toluene
Concen: 1.301 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 287838

Ion	Ratio	Lower	Upper
91	100		
92	60.6	47.4	71.0

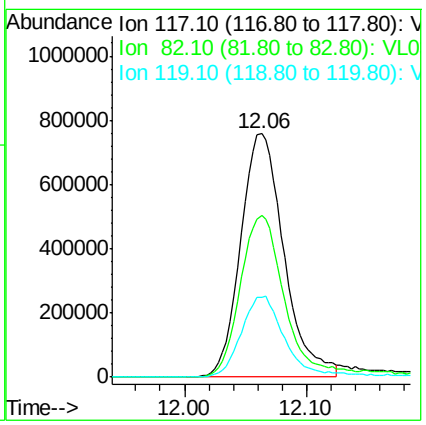


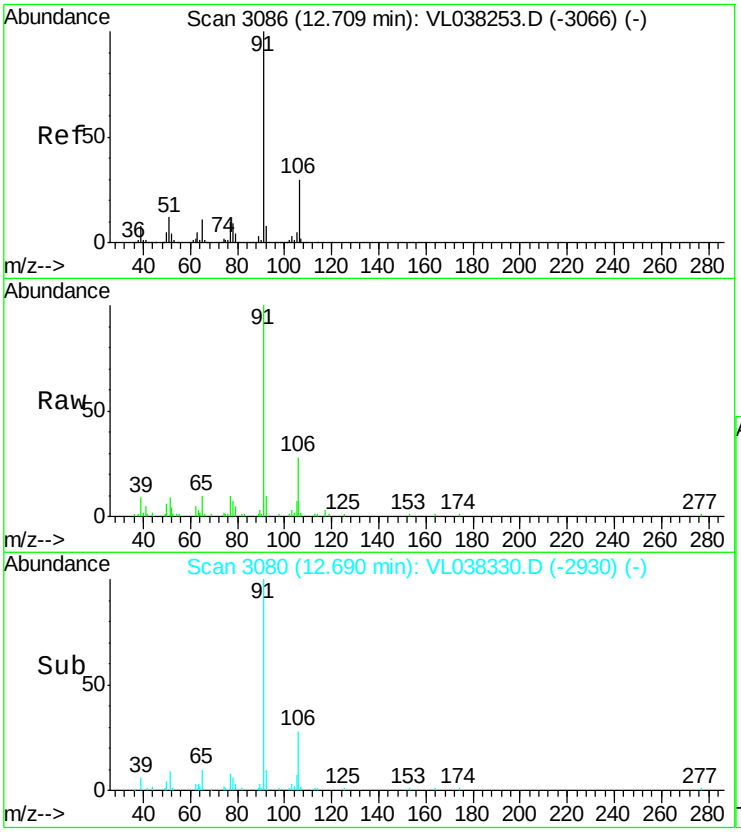


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:117 Resp: 1858776

Ion	Ratio	Lower	Upper
117	100		
82	73.0	54.4	81.6
119	35.3	45.9	68.9#



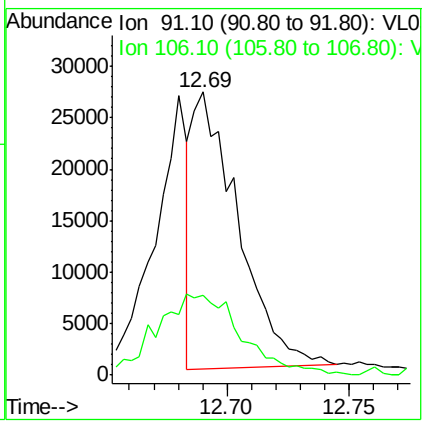


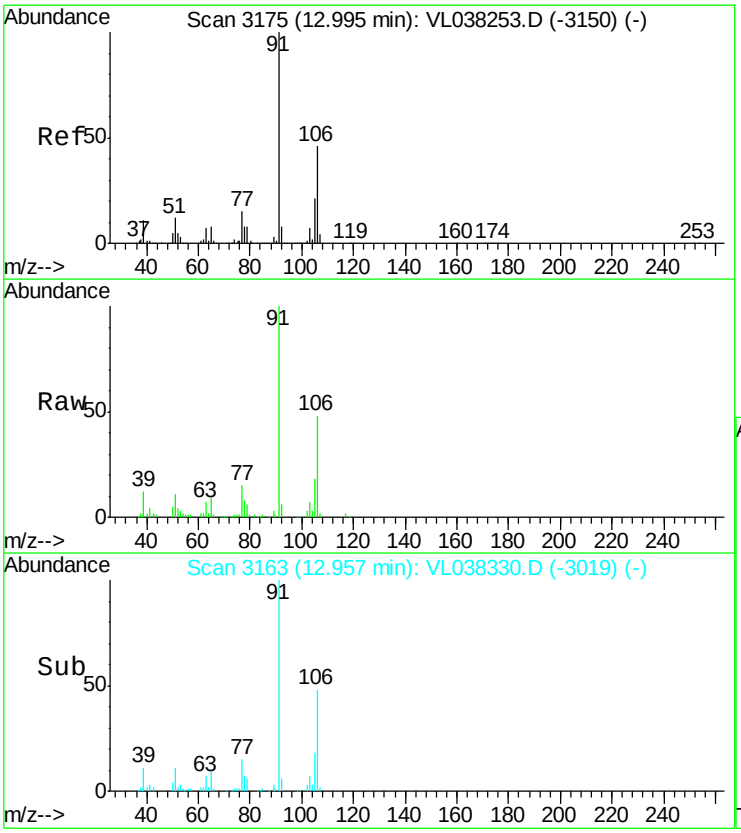
#58
Ethyl Benzene
Concen: 0.127 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 34699

Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.1	36.1

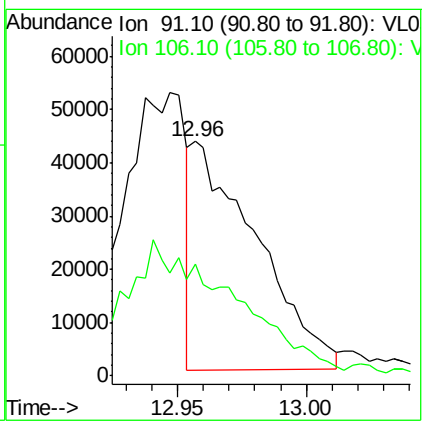


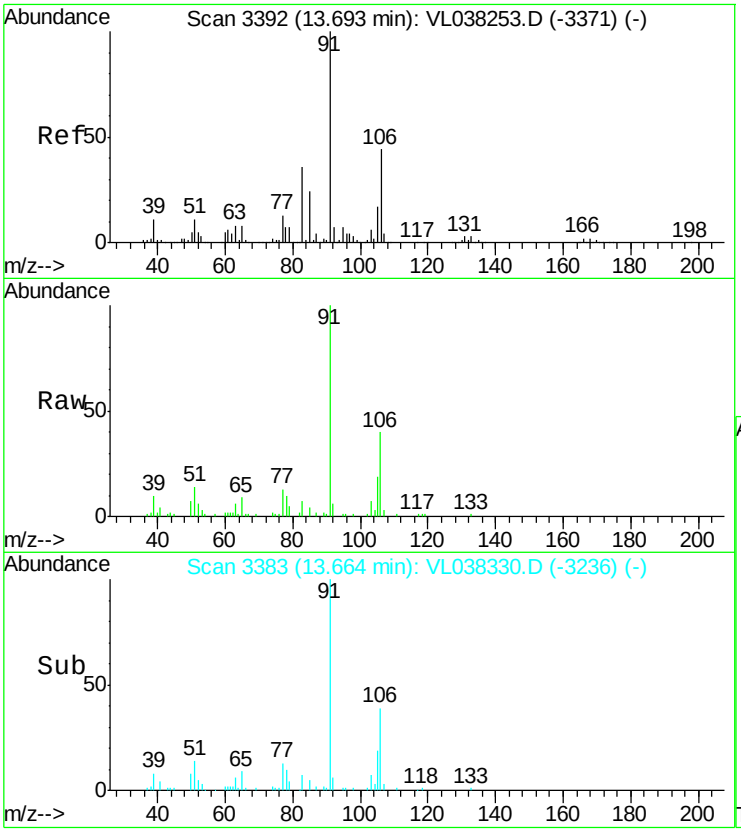


#59
m/p-Xylene
Concen: 0.318 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 91 Resp: 74148

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.8	52.2#



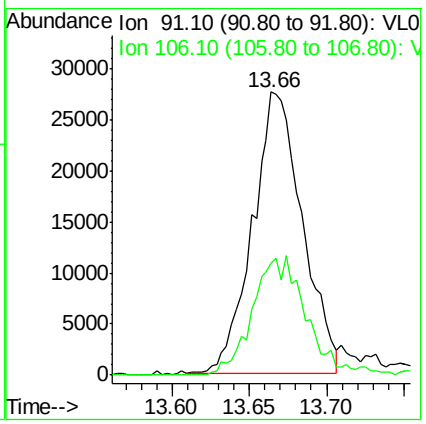


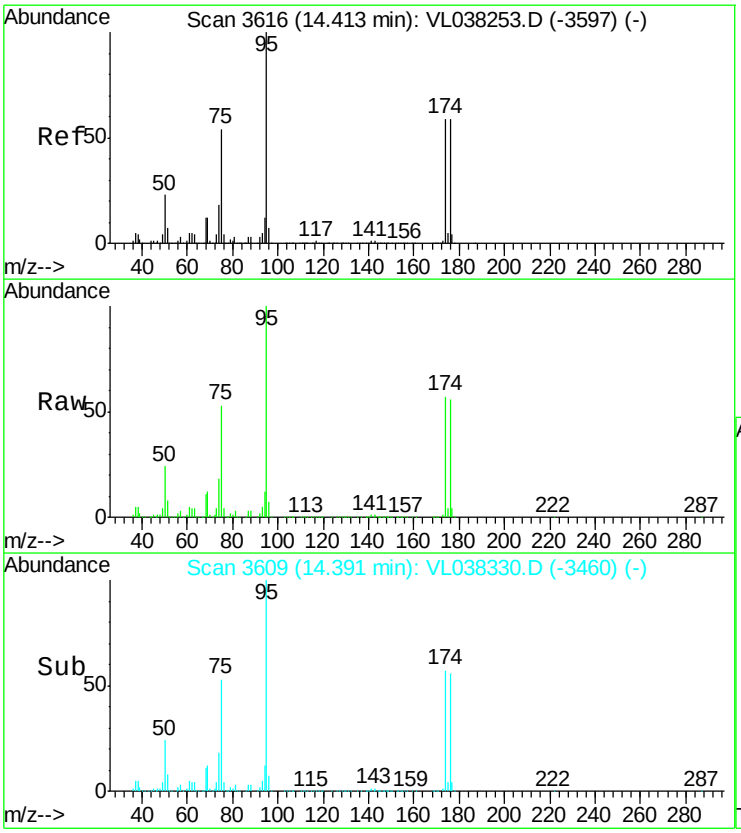
#60
o-Xylene
Concen: 0.285 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 61746

Ion	Ratio	Lower	Upper
91	100		
106	45.4	22.2	66.6

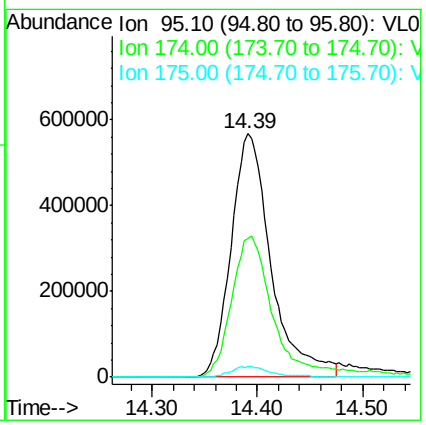


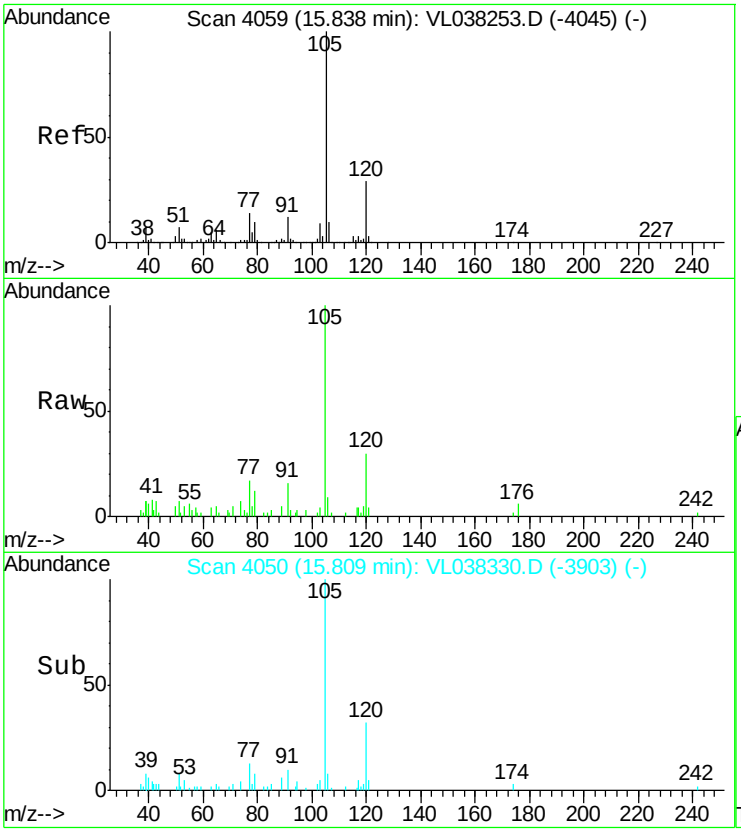


#68
1-Bromo-4-Fluorobenzene
Concen: 10.641 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.02 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion: 95 Resp: 1501285

Ion	Ratio	Lower	Upper
95	100		
174	63.3	48.3	72.5
175	4.7	3.5	5.3



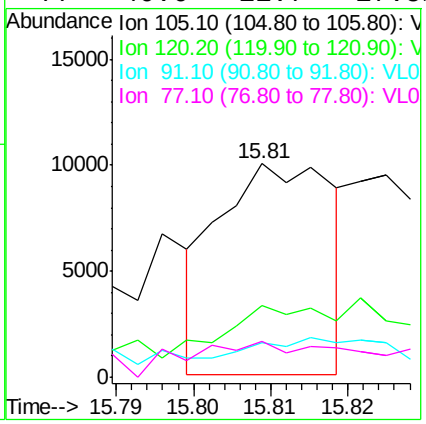


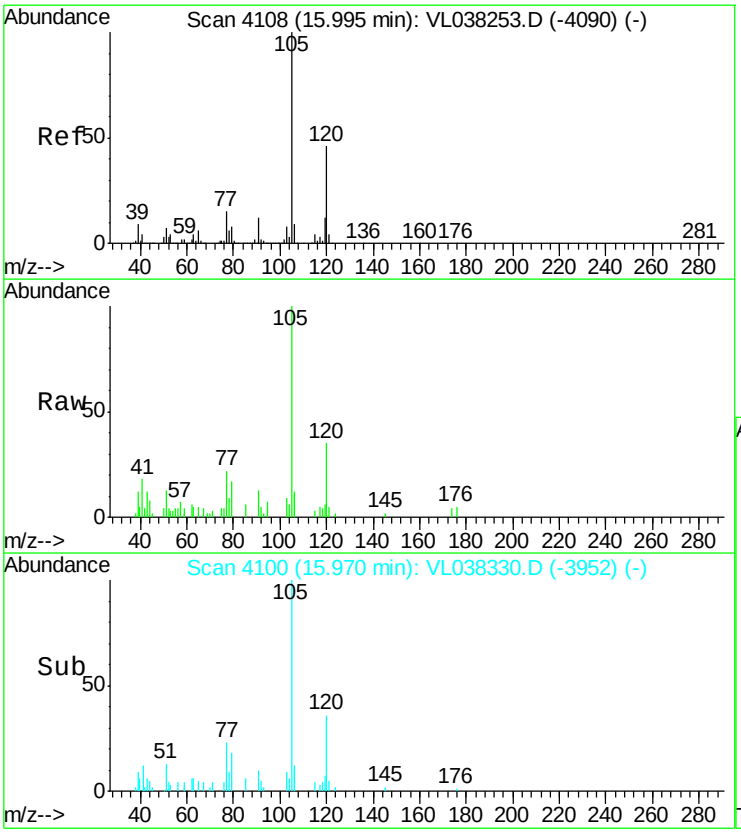
#72
4-Ethyltoluene
Concen: 0.045 ppbv
RT: 15.81
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 10152

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.8	35.8#
91	0.0	10.2	15.4#
77	40.6	11.7	17.5#

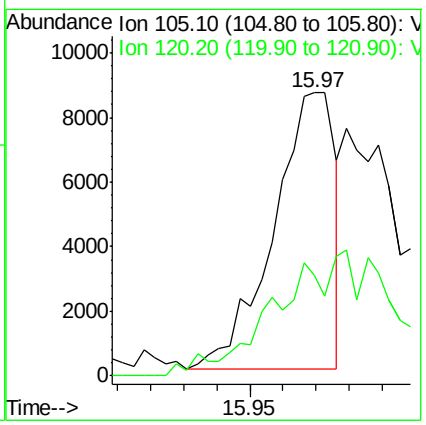


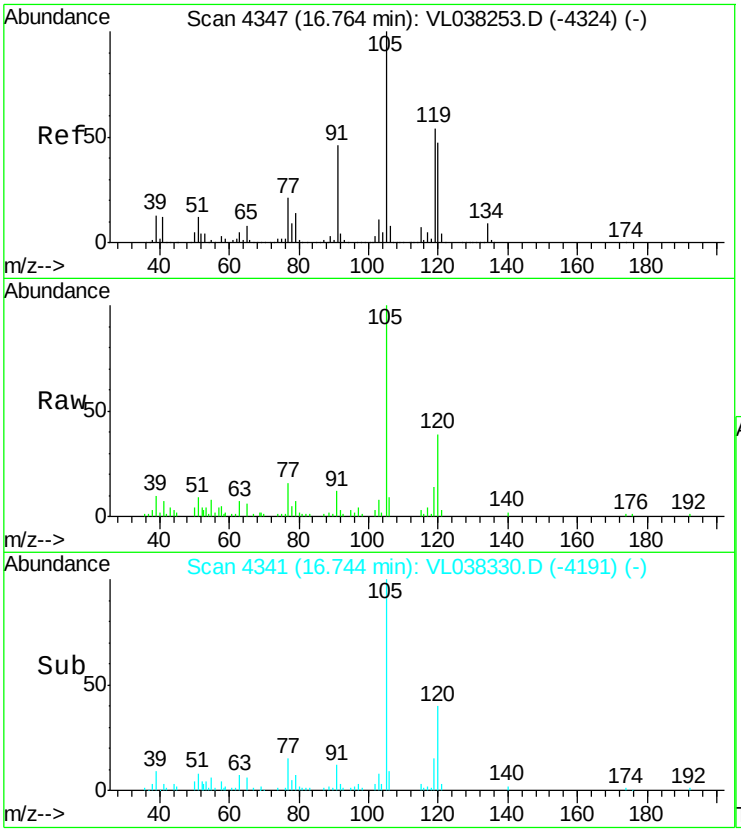


#73
1,3,5-Trimethylbenzene
Concen: 0.054 ppbv
RT: 15.97 min Scan# 4100
Delta R.T. -0.03 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:105 Resp: 11086

Ion	Ratio	Lower	Upper
105	100		
120	34.5	36.6	55.0#



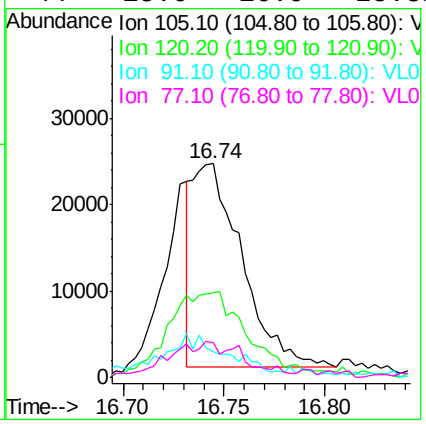


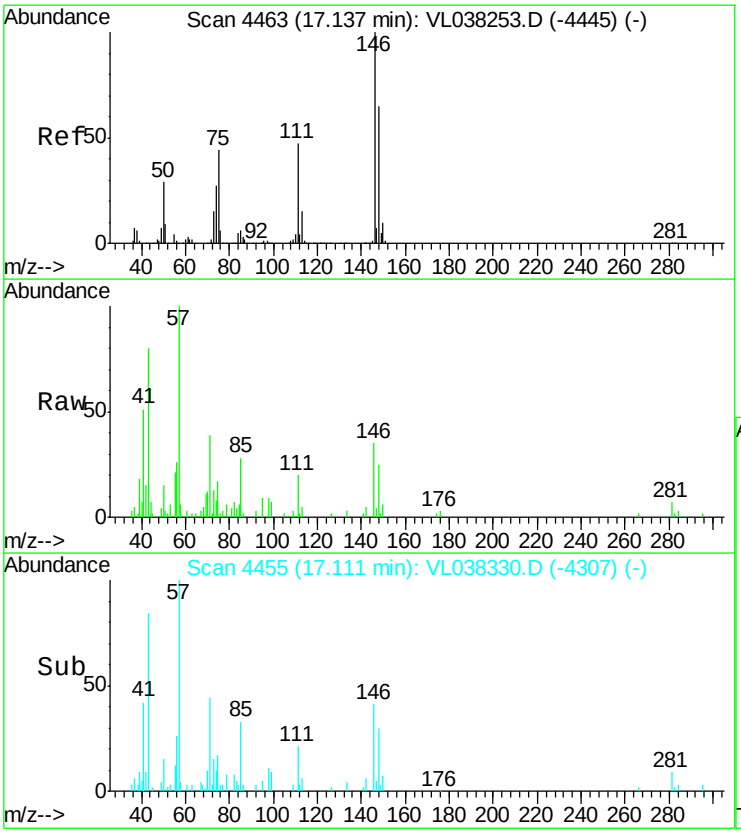
#74
1,2,4-Trimethylbenzene
Concen: 0.185 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 39714

Ion	Ratio	Lower	Upper
105	100		
120	38.7	37.2	55.8
91	11.3	36.6	55.0#
77	15.0	16.9	25.3#

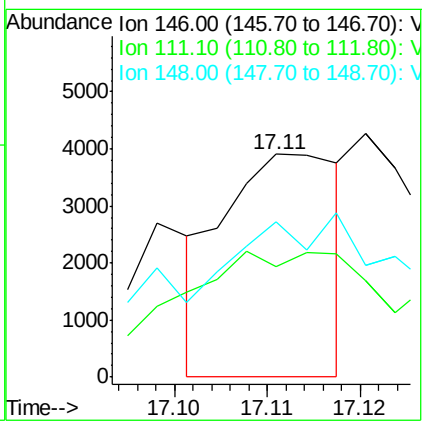


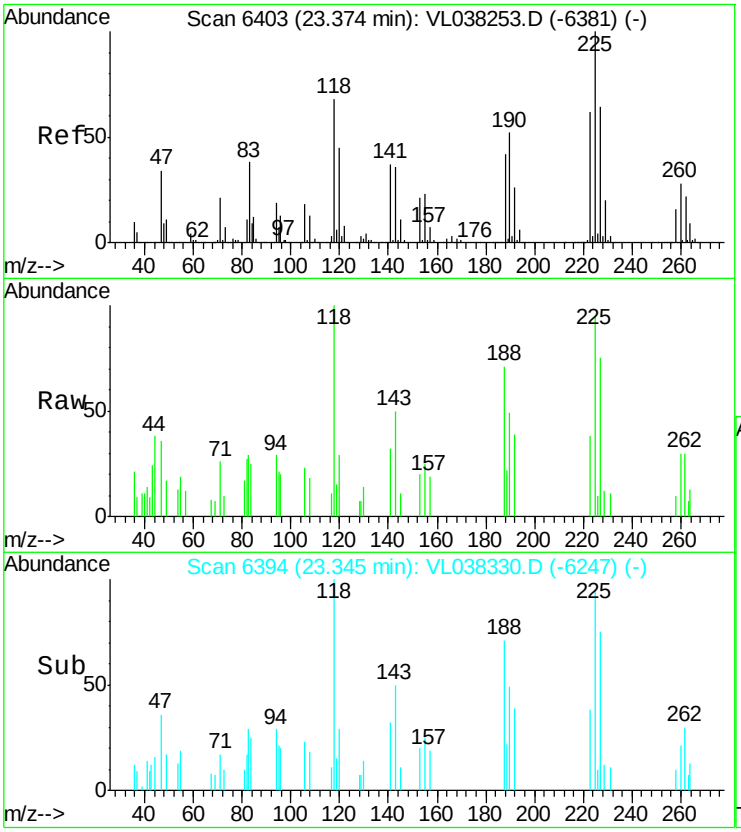


#76
1,4-Dichlorobenzene
Concen: 0.030 ppbv
RT: 17.11 min Scan# 4455
Delta R.T. -0.03 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:146 Resp: 3387

Ion	Ratio	Lower	Upper
146	100		
111	174.8	23.2	69.6#
148	0.0	32.4	97.0#



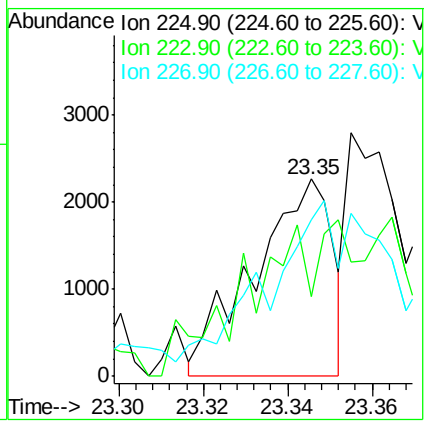


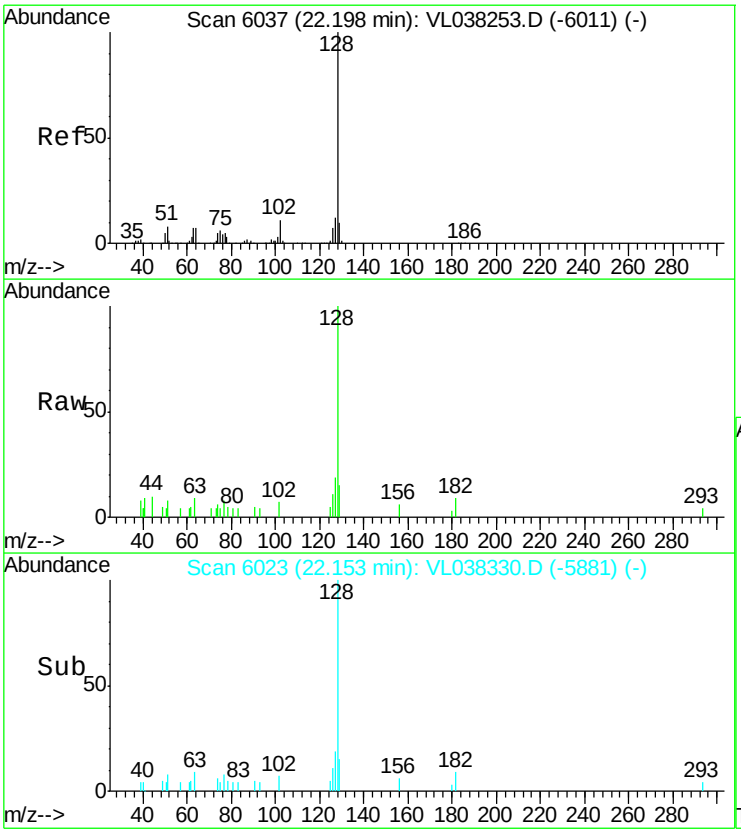
#78
Hexachloro-1,3-Butadiene
Concen: 0.039 ppbv
RT: 23.35
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:225 Resp: 2916

Ion	Ratio	Lower	Upper
225	100		
223	0.0	51.7	77.5#
227	184.4	51.4	77.0#

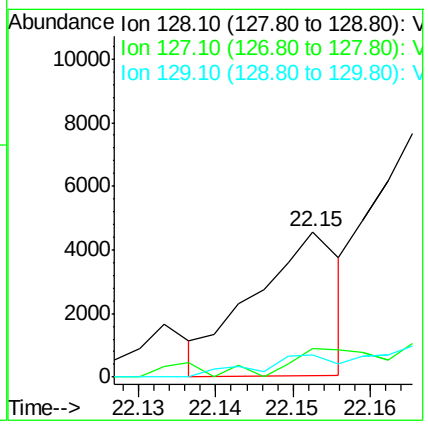


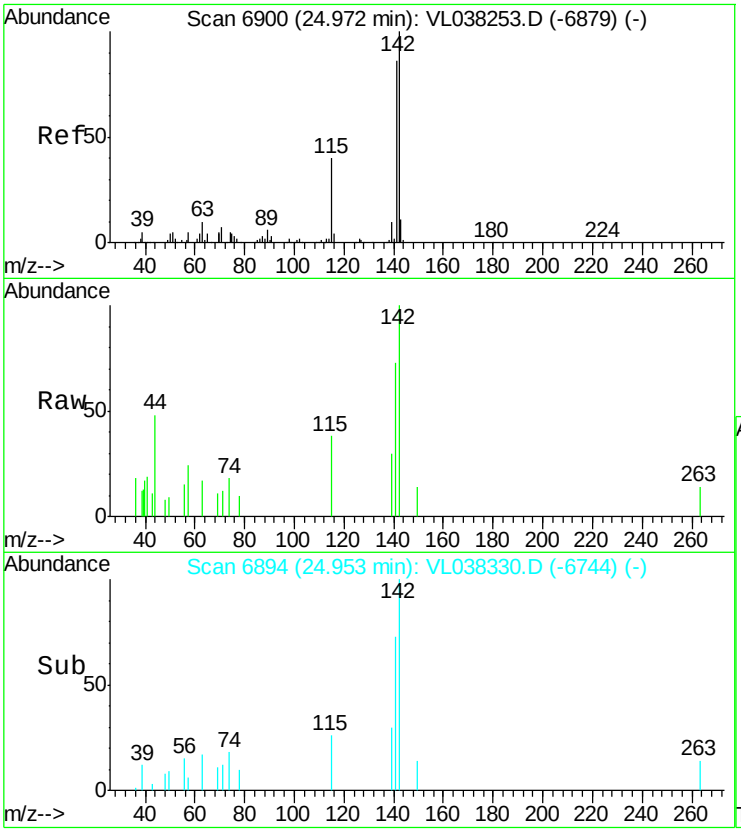


#79
Naphthalene
Concen: 0.035 ppbv
RT: 22.15 min Scan# 6023
Delta R.T. -0.04 min
Lab File: VL038330.D
Acq: 3 Feb 2022 12:16

Tgt Ion:128 Resp: 3484

Ion	Ratio	Lower	Upper
128	100		
127	9.9	9.7	14.5
129	17.1	8.1	12.1#





#80
Naphthalene,2-methyl-
Concen: 0.429 ppbv
RT: 24.95
Delta R.T
Lab File:
Acq: 3 Feb 2022 12:18

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:142 Resp: 4681

Ion	Ratio	Lower	Upper
142	100		
141	91.2	70.2	105.4
115	26.4	31.8	47.6#