Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032822\
Data File : VL038786.D
Acq On : 29 Mar 2022 00:59
Operator : SY/AP
Sample : N2136-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : IA1

Quant Time: Mar 29 06:13:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	756858	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	1938033	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1679605	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1303958	10.13	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.30%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	71773	0.705	ppbv	93
3) Chlorodifluoromethane	2.99	51	64474	0.807	ppbv #	84
4) Chloromethane	3.14	50	19218	0.438	ppbv	95
9) Propene	3.21	41	89967	2.331	ppbv	94
11) Trichlorofluoromethane	3.95	101	27298	0.304	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.49	101	2966	0.043	ppbv #	10
13) Ethanol	3.60	45	4028954	946.411	ppbv	98
15) Acetone	3.85	43	300103	4.595	ppbv	96
16) 1,3-Butadiene	3.32	39	2308	0.062	ppbv #	44
19) Isopropyl Alcohol	3.97	45	813207	22.459	ppbv	98
20) Methylene Chloride	4.35	84	66846	2.430	ppbv	98
21) Allyl Chloride	4.29	41	2062	0.044	ppbv #	28
23) Vinyl Acetate	5.06	43	11125	0.176	ppbv #	47
25) Ethyl Acetate	5.68	43	28212	0.172	ppbv #	91
26) Hexane	5.68	57	45541	0.619	ppbv #	55
29) Chloroform	5.74	83	54704	0.464	ppbv	96
34) 2-Butanone	5.25	43	19070	0.249	ppbv #	86
35) Carbon Tetrachloride	7.01	117	4412	0.039	ppbv	90
36) Benzene	6.89	78	36253	0.242	ppbv #	90
39) 1,2-Dichloropropane	7.17	63	448739	7.674	ppbv #	28
44) 2,2,4-Trimethylpentane	7.86	57	7869	0.031	ppbv #	1
53) Toluene	9.80	91	83369	0.519	ppbv	100
58) Ethyl Benzene	12.70	91	8347	0.043	ppbv	99
59) m/p-Xylene	12.98	91	6368	0.037	ppbv #	30
60) o-Xylene	13.68	91	5077	0.031	ppbv #	58
61) Styrene	13.51	104	3788	0.043	ppbv #	76
69) p-Isopropyltoluene	17.64	119	34305	0.133	ppbv #	82
70) n-Butylbenzene	18.69	91	20716	0.078	ppbv	90
74) 1,2,4-Trimethylbenzene	16.75	105	6867	0.036	ppbv #	74

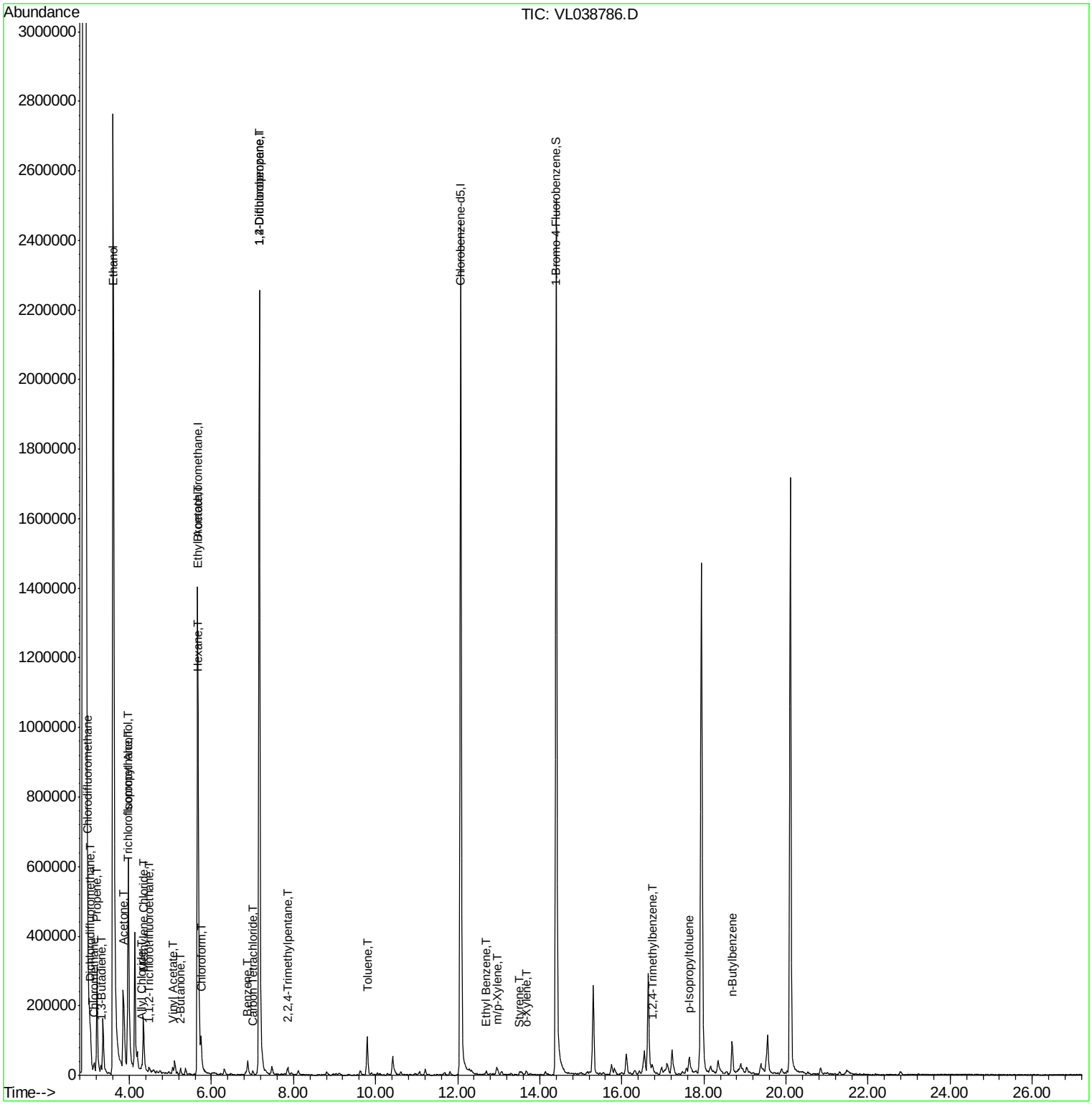
(#) = qualifier out of range (m) = manual integration (+) = signals summed

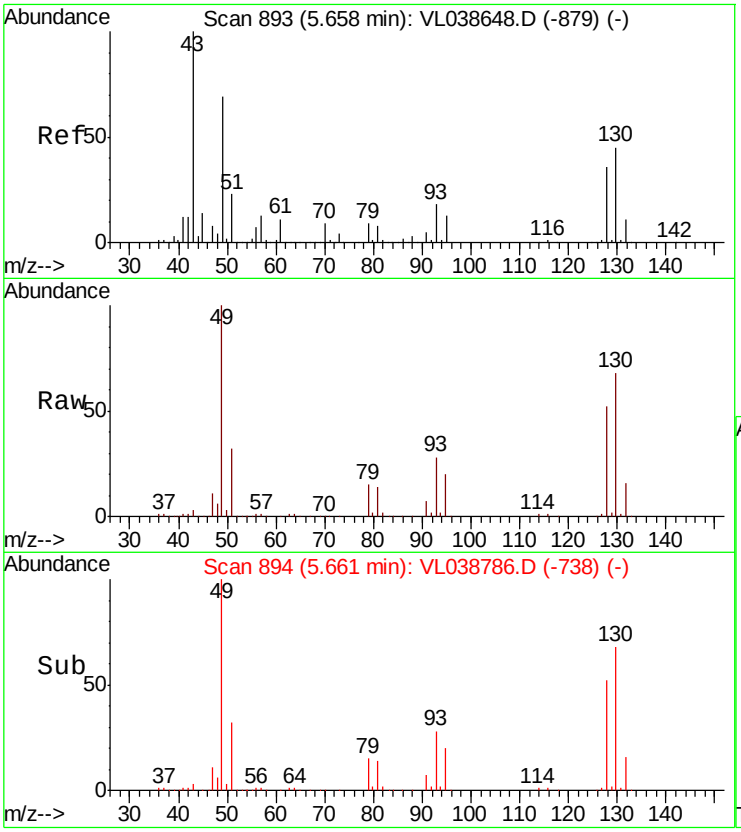
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032822\
Data File : VL038786.D
Acq On : 29 Mar 2022 00:59
Operator : SY/AP
Sample : N2136-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Mar 29 06:13:15 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration



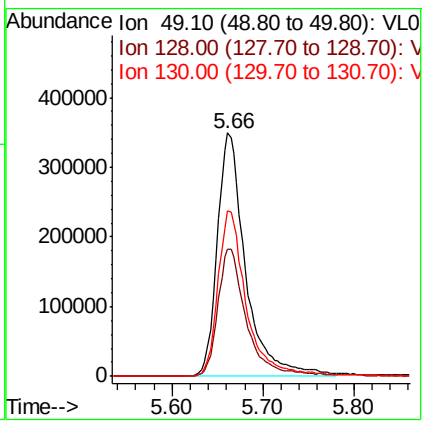


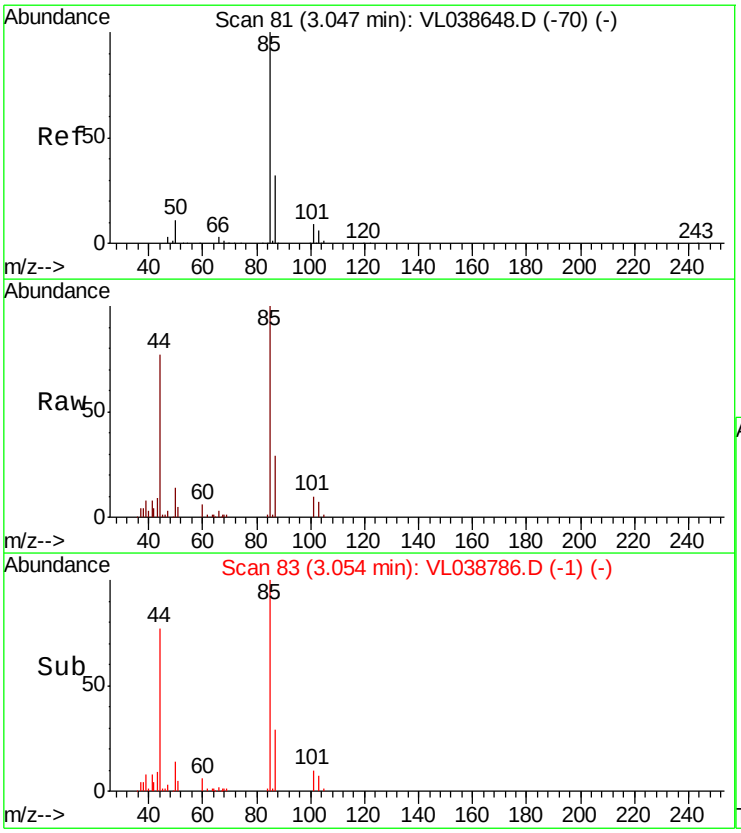
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 756858

Ion	Ratio	Lower	Upper
49	100		
128	53.7	26.2	78.6
130	69.1	33.7	101.1

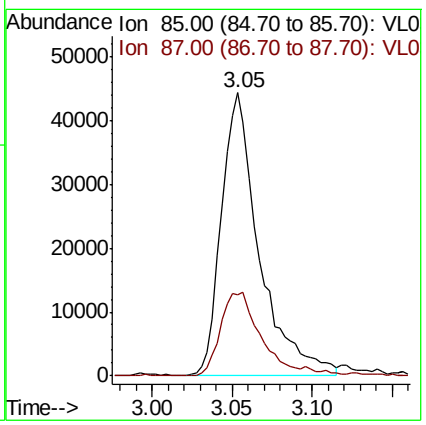


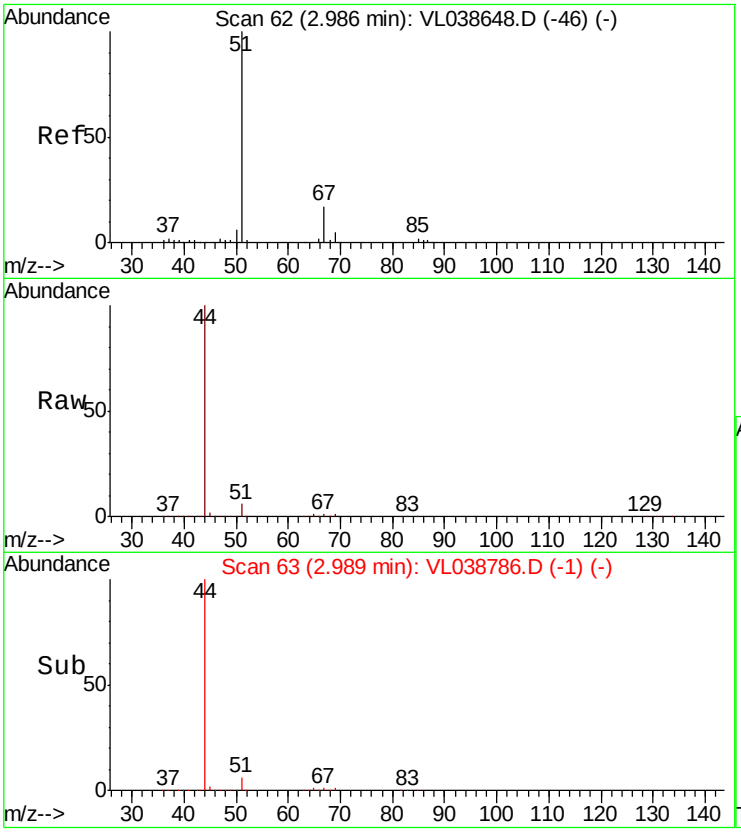


#2
Dichlorodifluoromethane
Concen: 0.705 ppbv
RT: 3.05 min Scan# 83
Delta R.T. 0.01 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 85 Resp: 71773

Ion	Ratio	Lower	Upper
85	100		
87	28.7	26.0	39.0



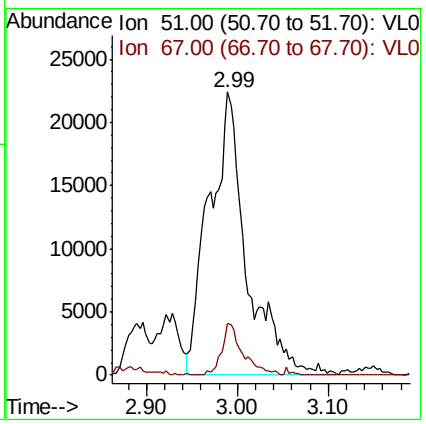


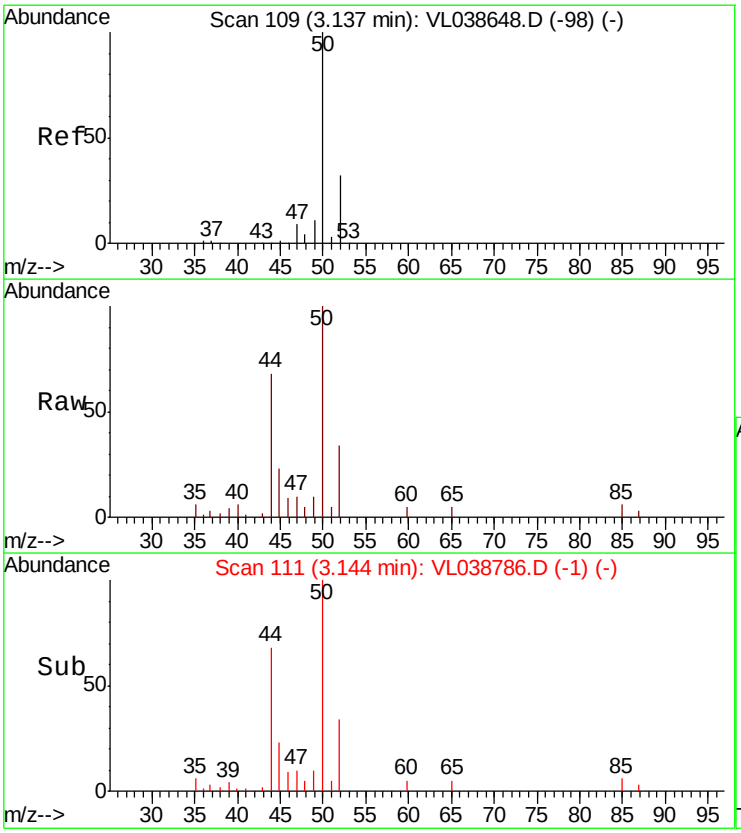
#3
Chlorodifluoromethane
Concen: 0.807 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 64474

Ion	Ratio	Lower	Upper
51	100		
67	10.6	14.1	21.1#

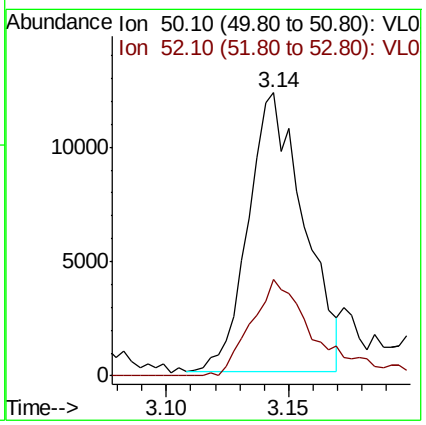


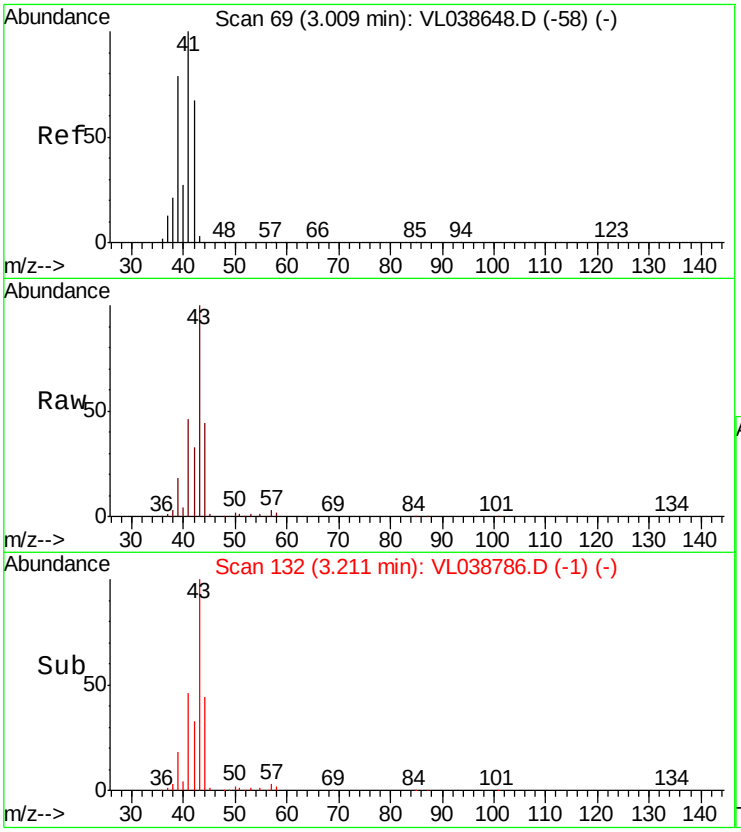


#4
Chloromethane
Concen: 0.438 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.01 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 50 Resp: 19218

Ion	Ratio	Lower	Upper
50	100		
52	34.6	25.5	38.3



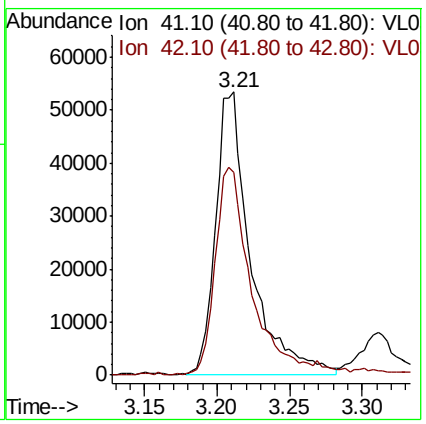


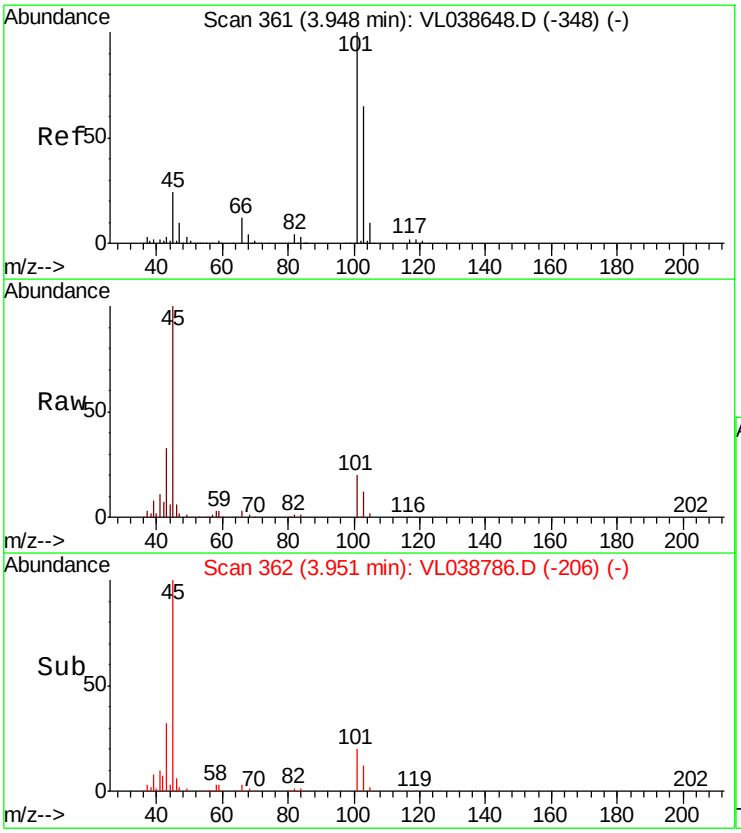
#9
Propene
Concen: 2.331 ppbv
RT: 3.21
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 89967

Ion	Ratio	Lower	Upper
41	100		
42	75.5	56.2	84.4

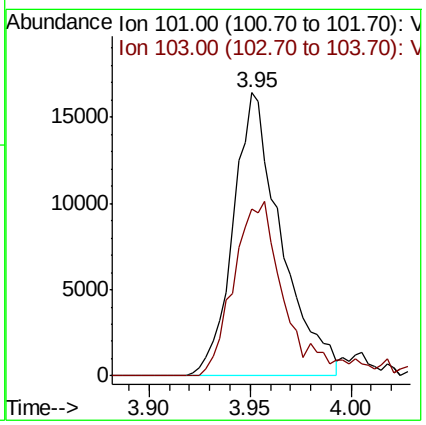


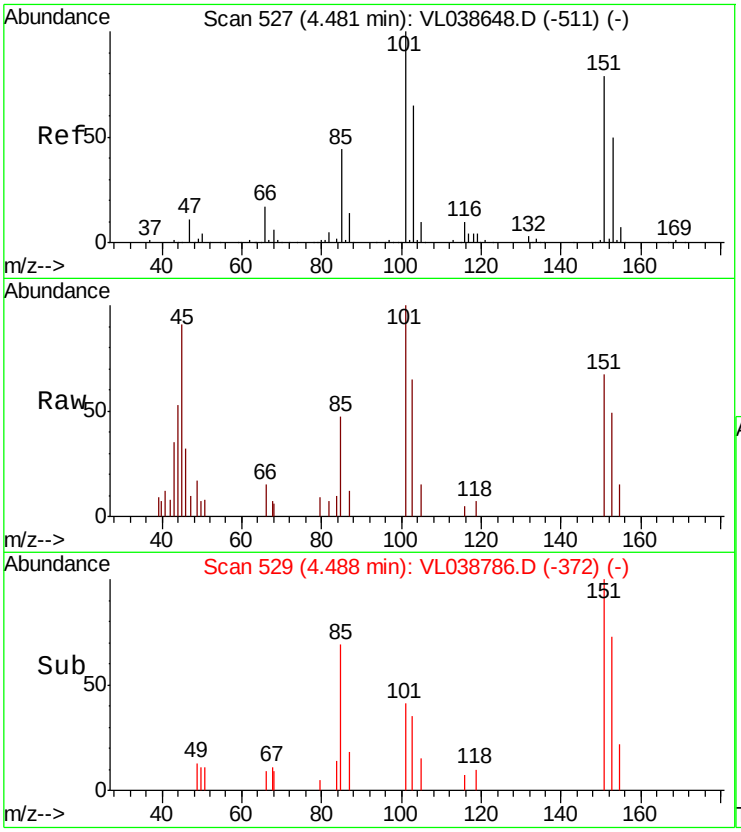


#11
Trichlorofluoromethane
Concen: 0.304 ppbv
RT: 3.95 min Scan# 362
Delta R.T. 0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion:101 Resp: 27298

Ion	Ratio	Lower	Upper
101	100		
103	59.1	51.9	77.9



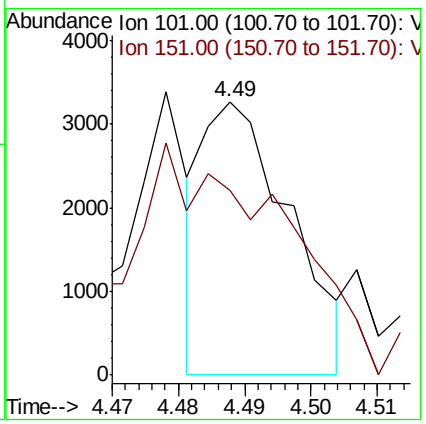


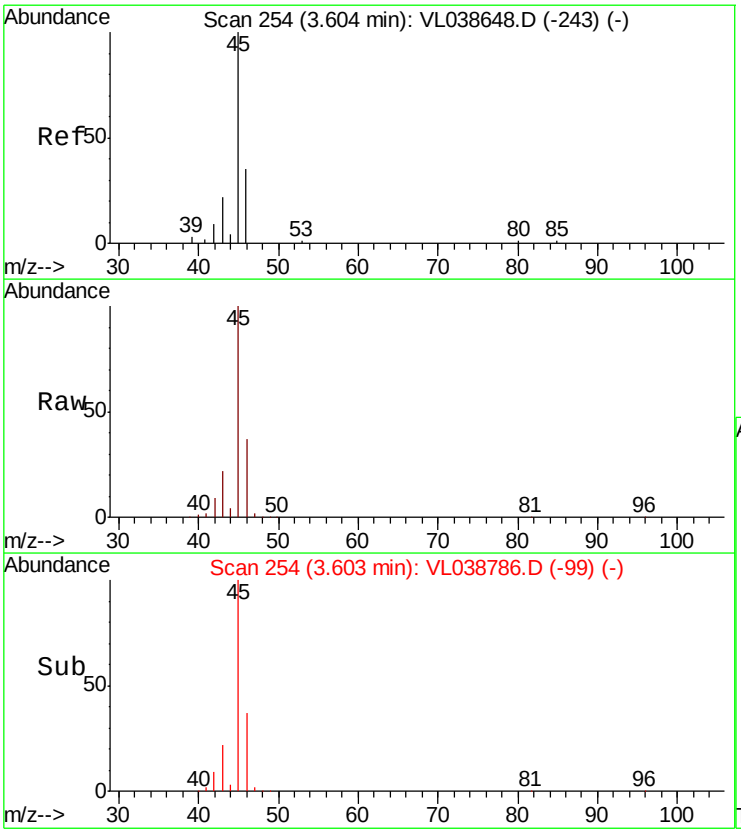
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.043 ppbv
RT: 4.49
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:101 Resp: 2966

Ion	Ratio	Lower	Upper
101	100		
151	0.0	62.9	94.3#

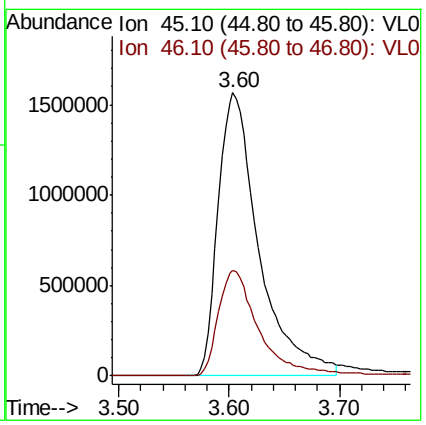


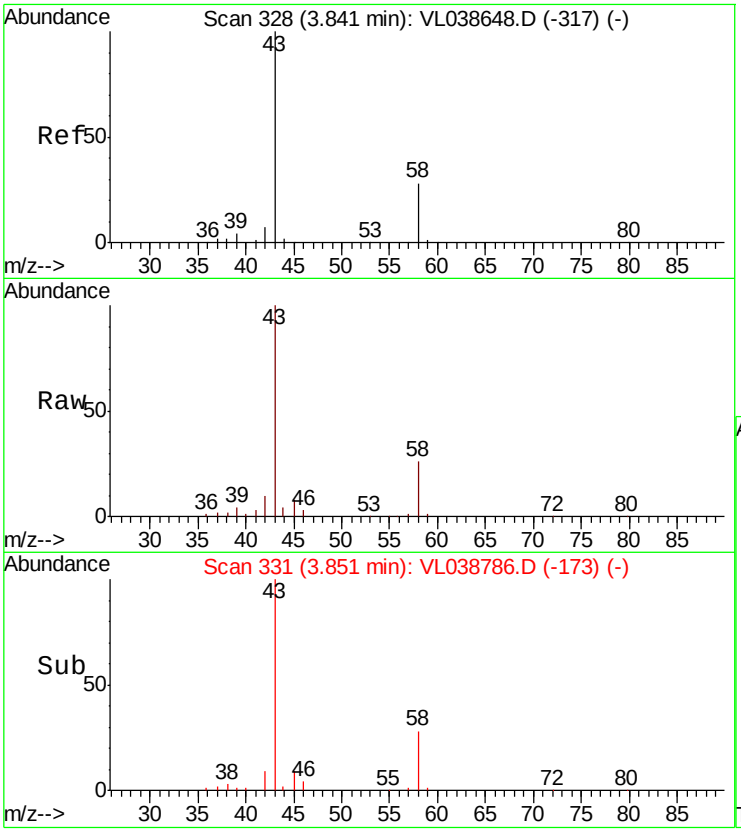


#13
Ethanol
Concen: 946.411 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 45 Resp: 4028954

Ion	Ratio	Lower	Upper
45	100		
46	38.8	15.1	60.5



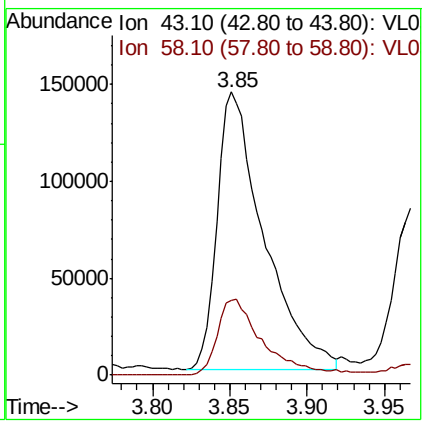


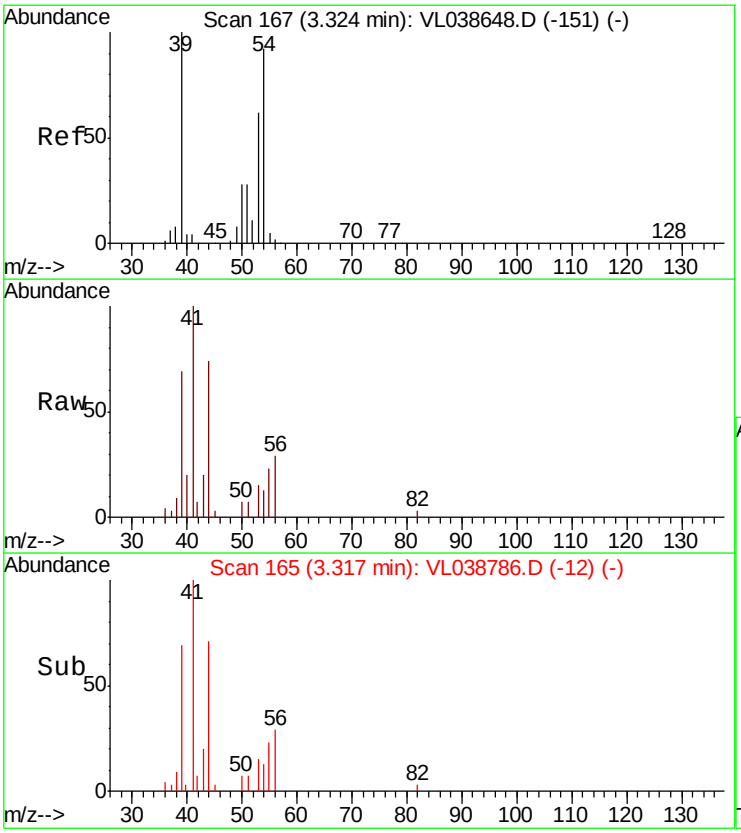
#15
Acetone
Concen: 4.595 ppbv
RT: 3.85
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 300103

Ion	Ratio	Lower	Upper
43	100		
58	26.8	23.3	34.9

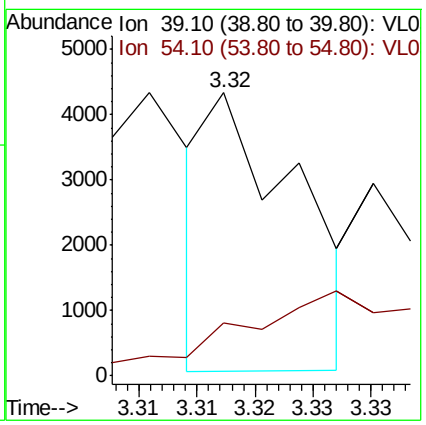


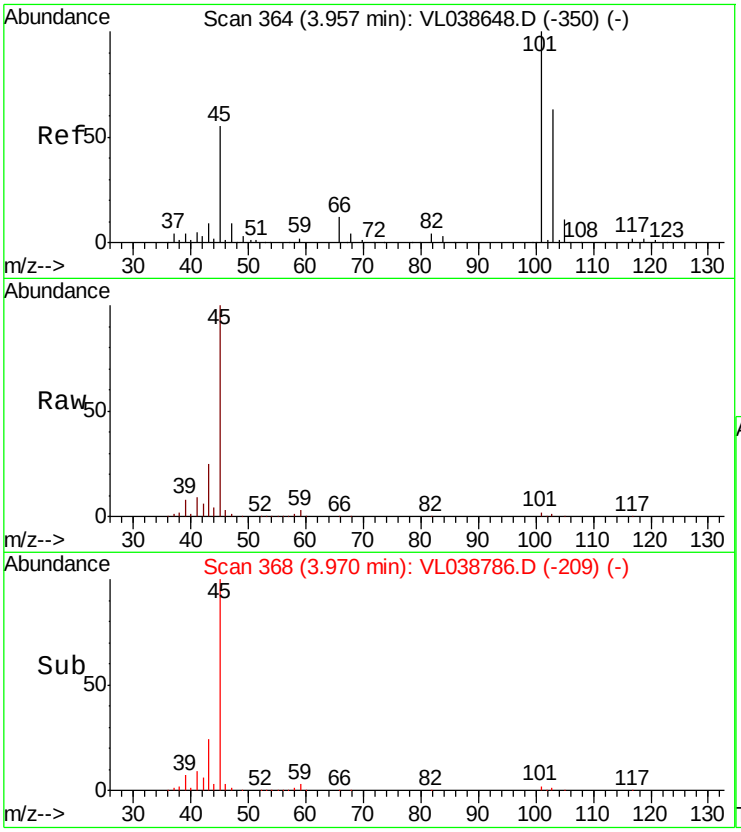


#16
1,3-Butadiene
Concen: 0.062 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.01 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 39 Resp: 2308

Ion	Ratio	Lower	Upper
39	100		
54	138.0	69.1	103.7#



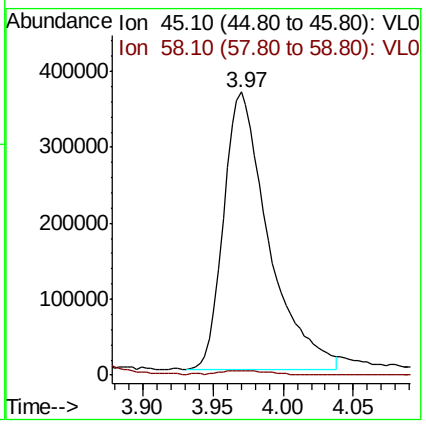


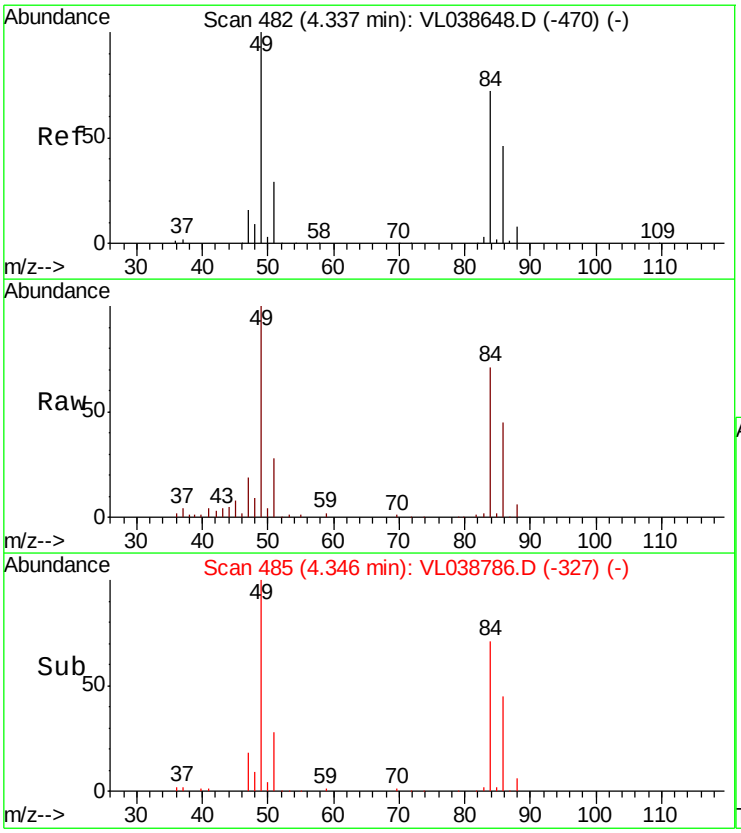
#19
Isopropyl Alcohol
Concen: 22.459 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 813207

Ion	Ratio	Lower	Upper
45	100		
58	2.4	2.3	3.5

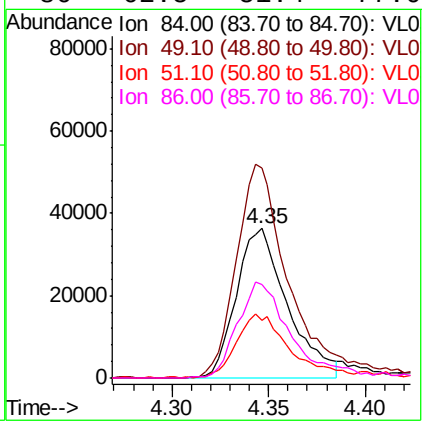


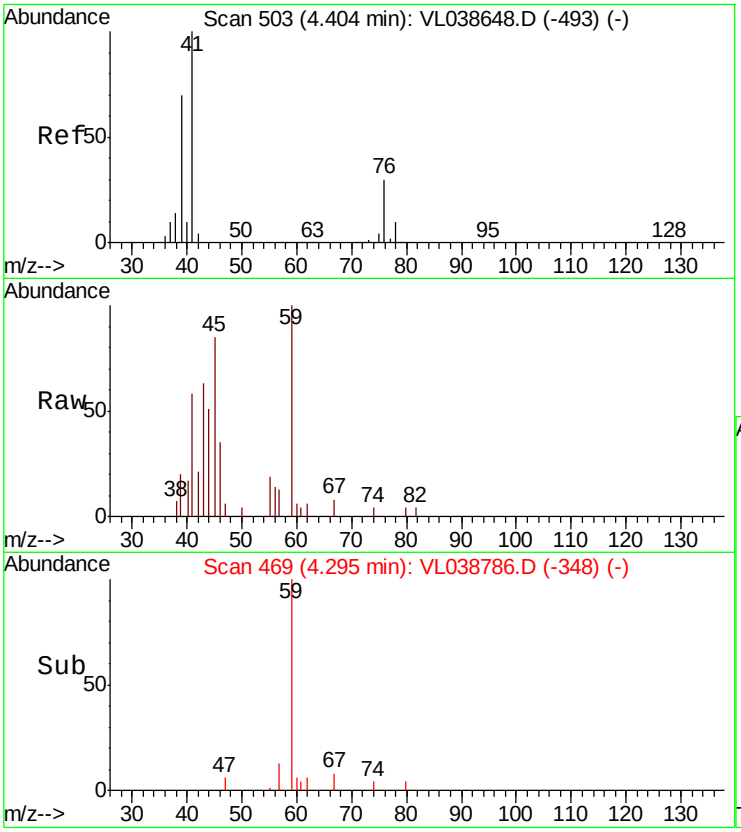


#20
Methylene Chloride
Concen: 2.430 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.01 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 84 Resp: 66846

Ion	Ratio	Lower	Upper
84	100		
49	140.4	111.2	166.8
51	38.2	32.8	49.2
86	62.5	51.4	77.0



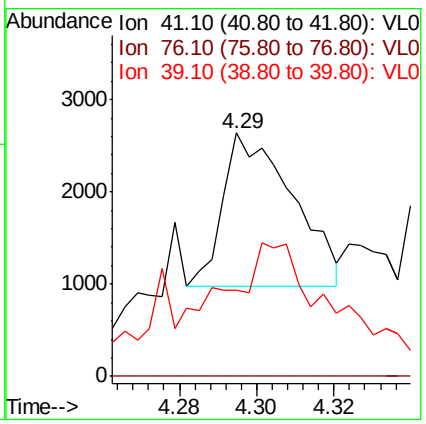


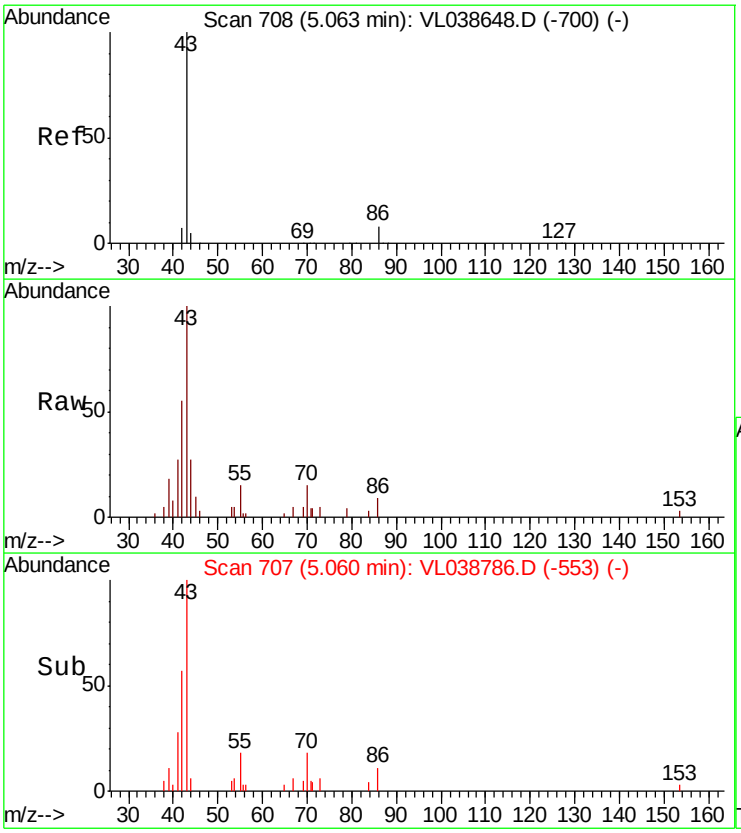
#21
Allyl Chloride
Concen: 0.044 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 41 Resp: 2062

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.0	37.6#
39	136.1	56.6	85.0#

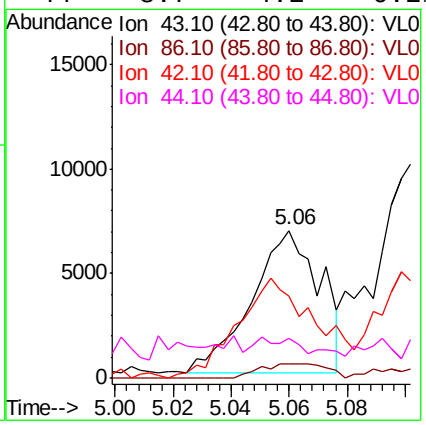


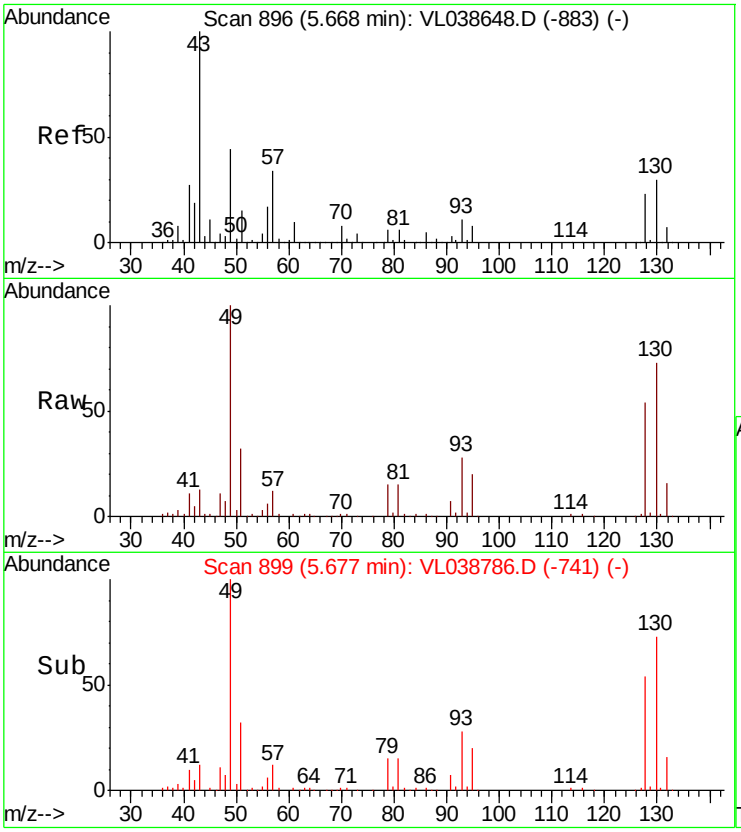


#23
Vinyl Acetate
Concen: 0.176 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 43 Resp: 11125

Ion	Ratio	Lower	Upper
43	100		
86	9.6	5.6	8.4#
42	50.4	6.8	10.2#
44	8.7	4.2	6.2#



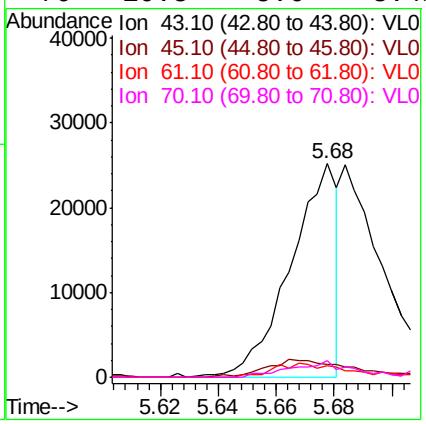


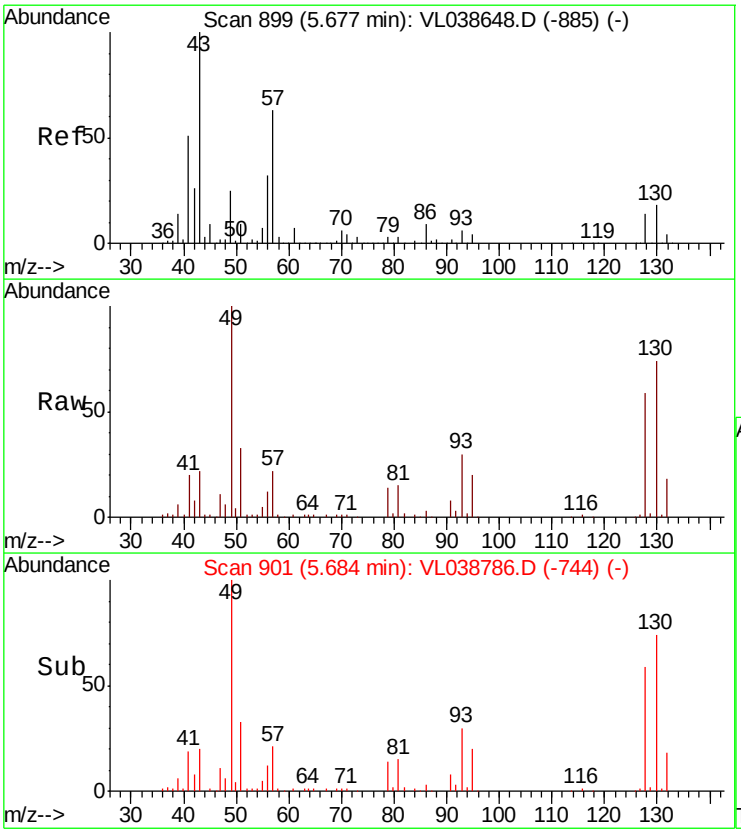
#25
Ethyl Acetate
Concen: 0.172 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 28212

Ion	Ratio	Lower	Upper
43	100		
45	16.2	8.2	12.4#
61	10.6	8.3	12.5
70	10.8	5.6	8.4#

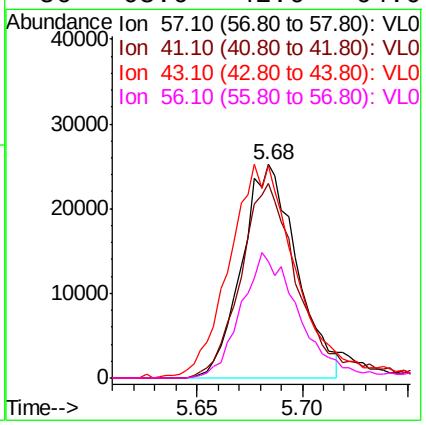


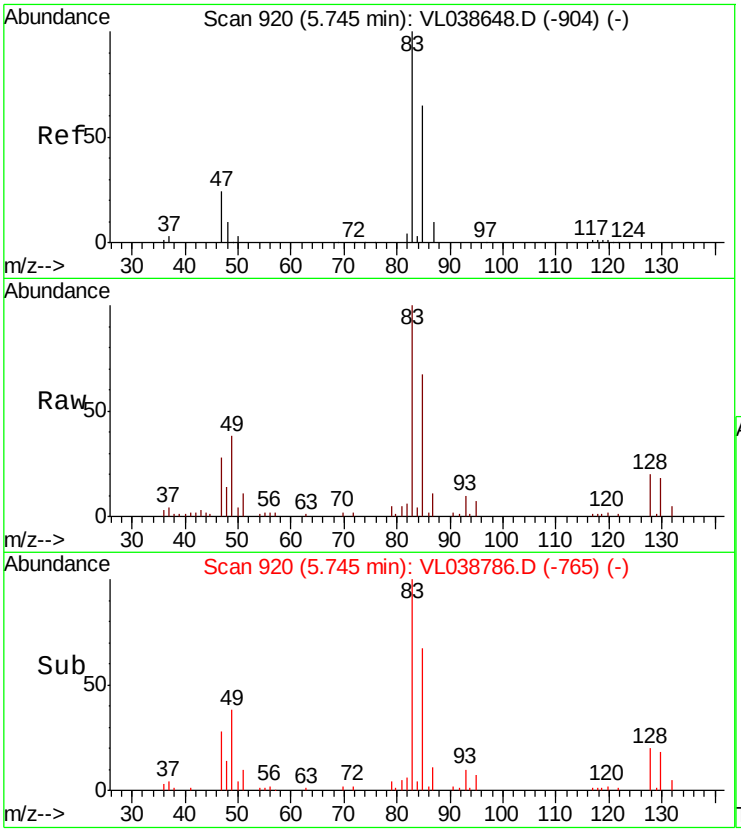


#26
Hexane
Concen: 0.619 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 57 Resp: 45541

Ion	Ratio	Lower	Upper
57	100		
41	100.2	67.0	100.4
43	127.3	184.2	276.2#
56	63.6	42.6	64.0



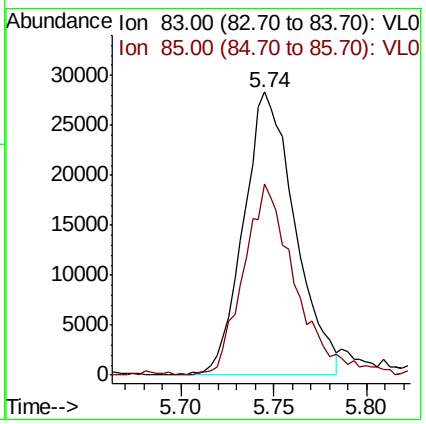


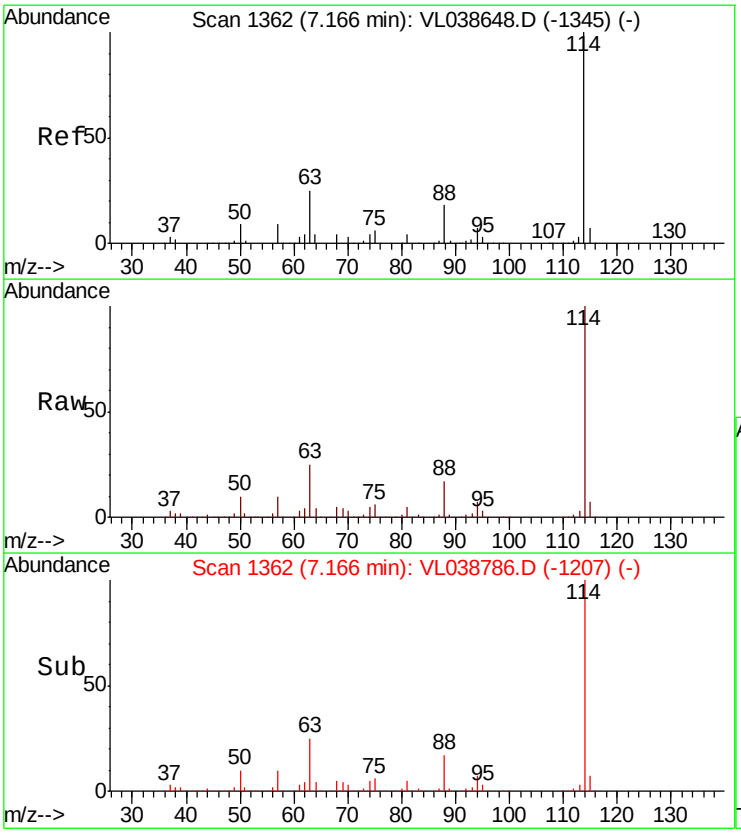
#29
Chloroform
Concen: 0.464 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 83 Resp: 54704

Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.7	77.5

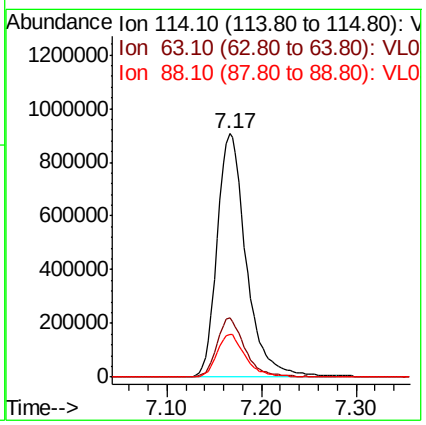


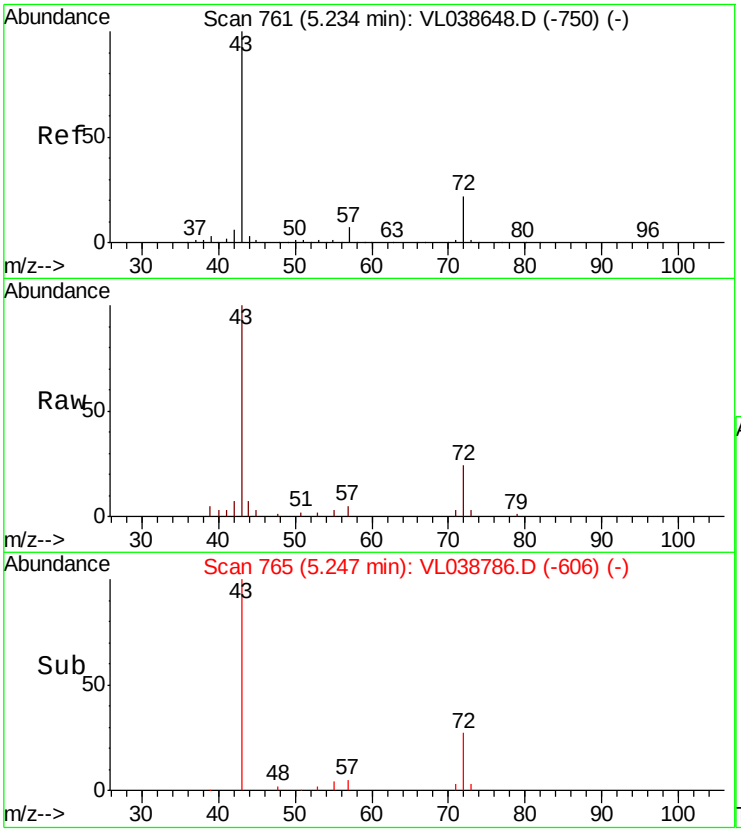


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion:114 Resp: 1938033

Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.4	29.0
88	17.3	13.9	20.9



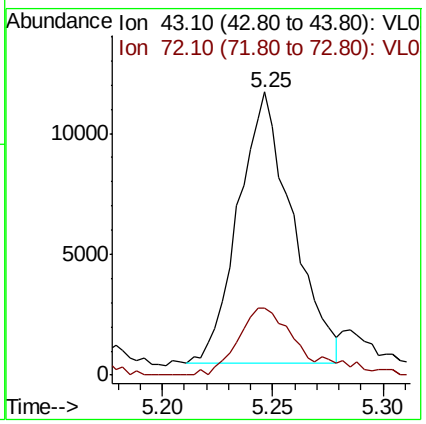


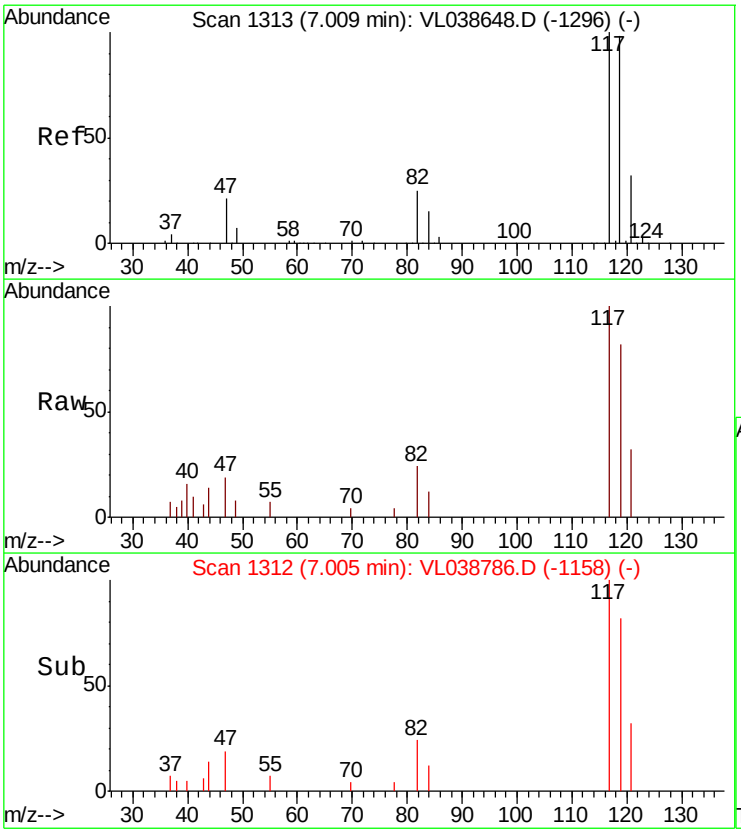
#34
2-Butanone
Concen: 0.249 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 19070

Ion	Ratio	Lower	Upper
43	100		
72	29.2	17.8	26.8#

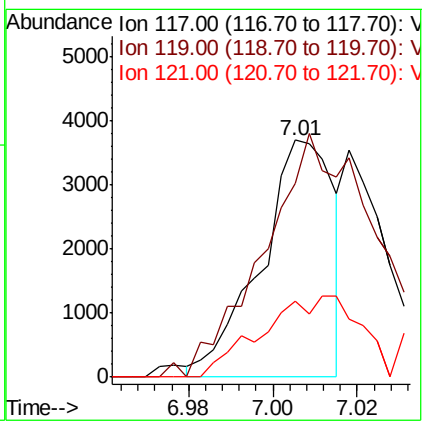


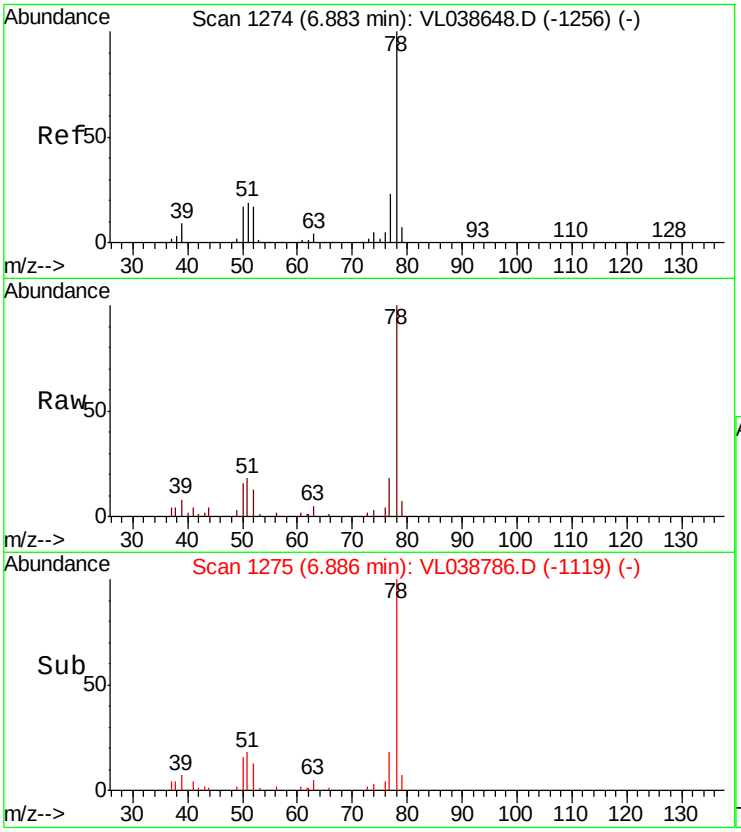


#35
Carbon Tetrachloride
Concen: 0.039 ppbv
RT: 7.01 min Scan# 1312
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion:117 Resp: 4412

Ion	Ratio	Lower	Upper
117	100		
119	85.6	78.1	117.1
121	33.3	25.8	38.6



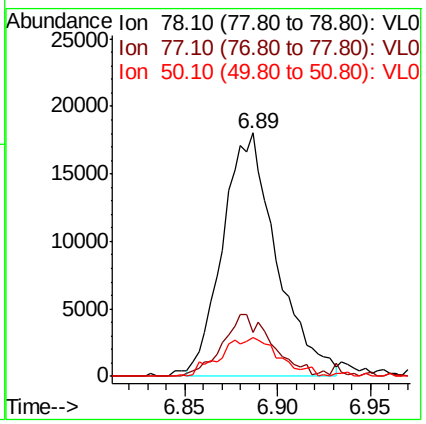


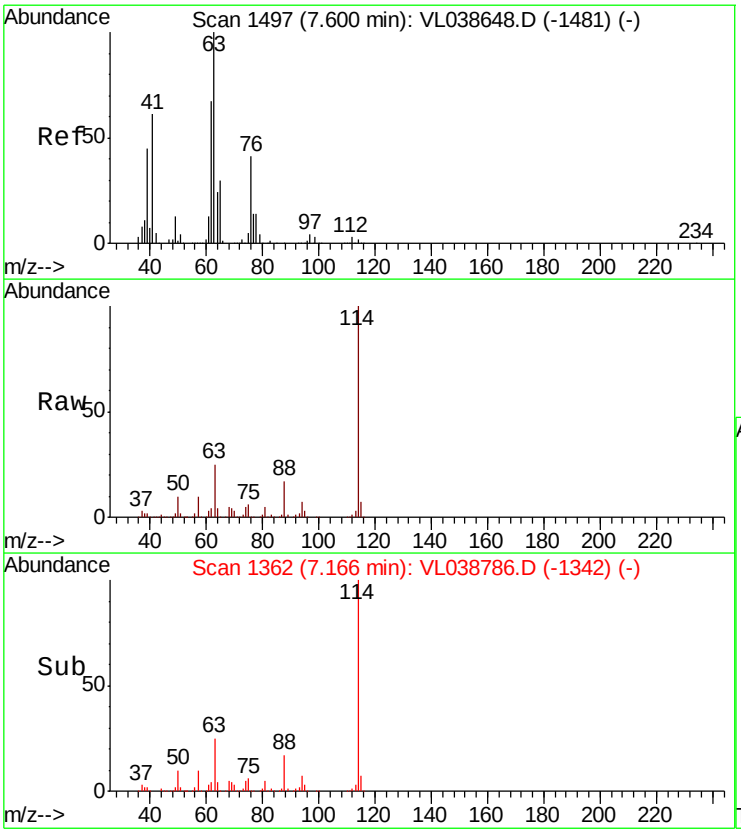
#36
Benzene
Concen: 0.242 ppbv
RT: 6.89
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 78 Resp: 36253

Ion	Ratio	Lower	Upper
78	100		
77	15.2	18.1	27.1#
50	15.2	13.6	20.4

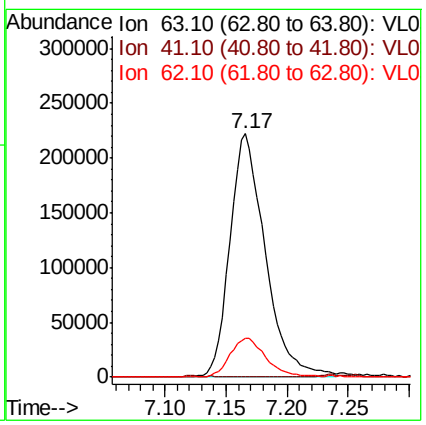


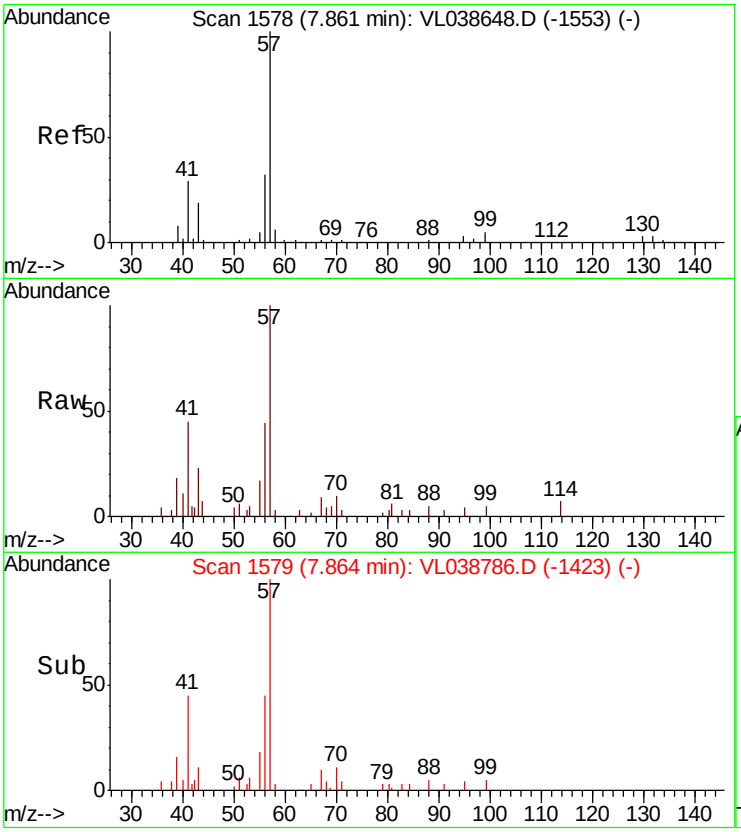


#39
1,2-Dichloropropane
Concen: 7.674 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.43 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 63 Resp: 448739

Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.0	73.6#
62	16.1	53.9	80.9#



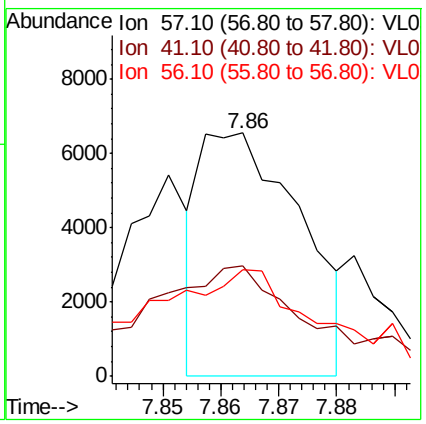


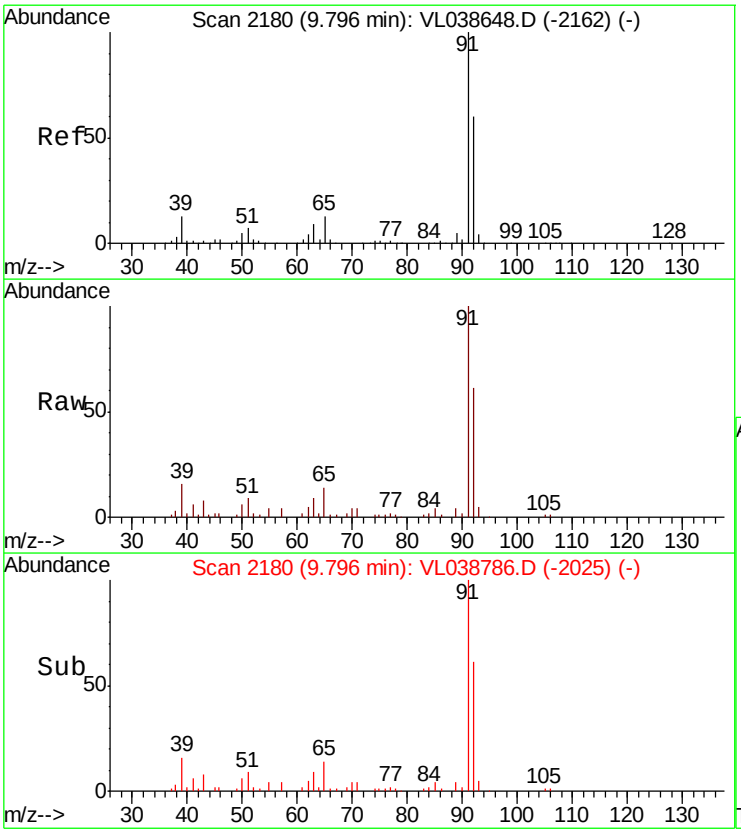
#44
2,2,4-Trimethylpentane
Concen: 0.031 ppbv
RT: 7.86
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 57 Resp: 7869

Ion	Ratio	Lower	Upper
57	100		
41	111.6	23.0	34.4#
56	93.3	25.3	37.9#

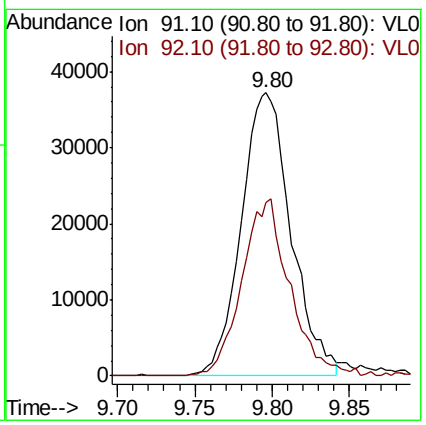


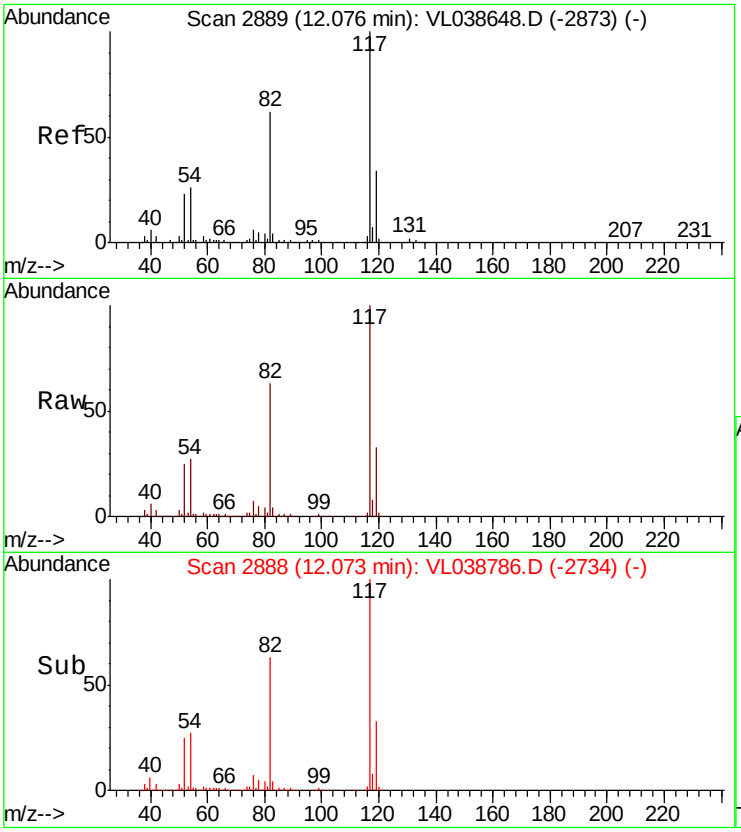


#53
Toluene
Concen: 0.519 ppbv
RT: 9.80 min Scan# 2180
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 91 Resp: 83369

Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.7	73.1



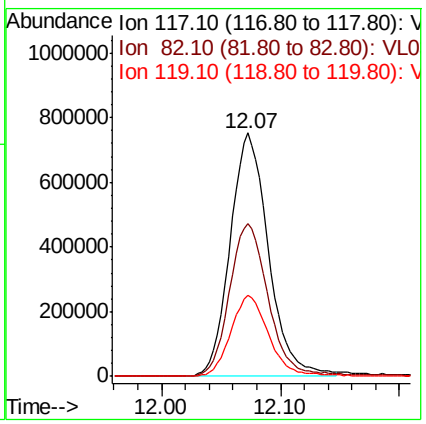


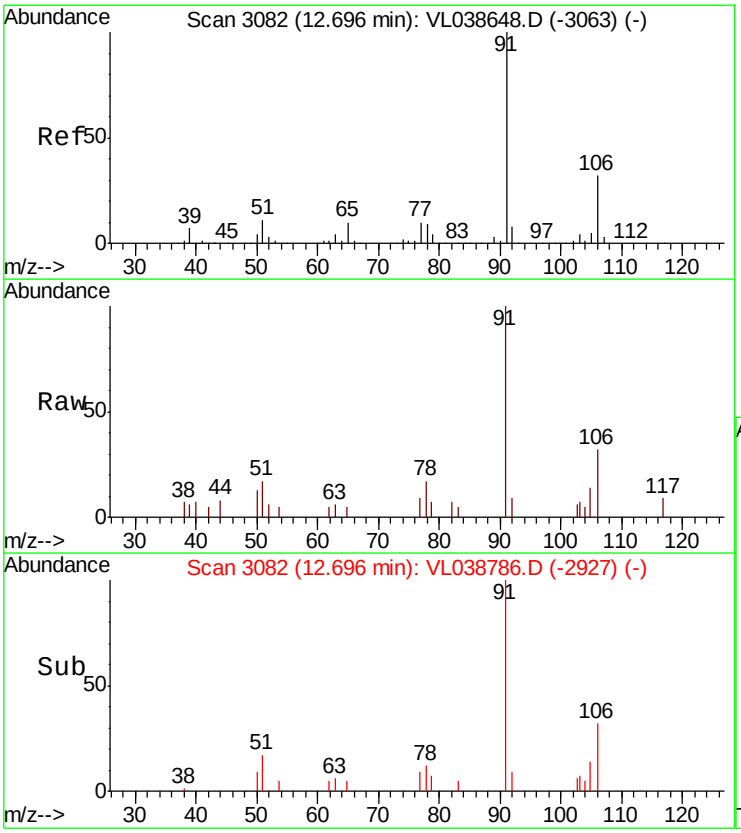
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:117 Resp: 1679605

Ion	Ratio	Lower	Upper
117	100		
82	64.8	51.6	77.4
119	33.5	26.9	40.3

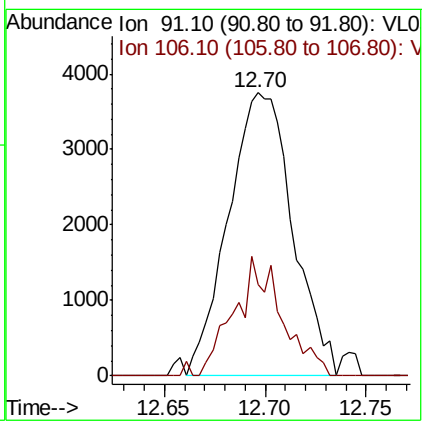


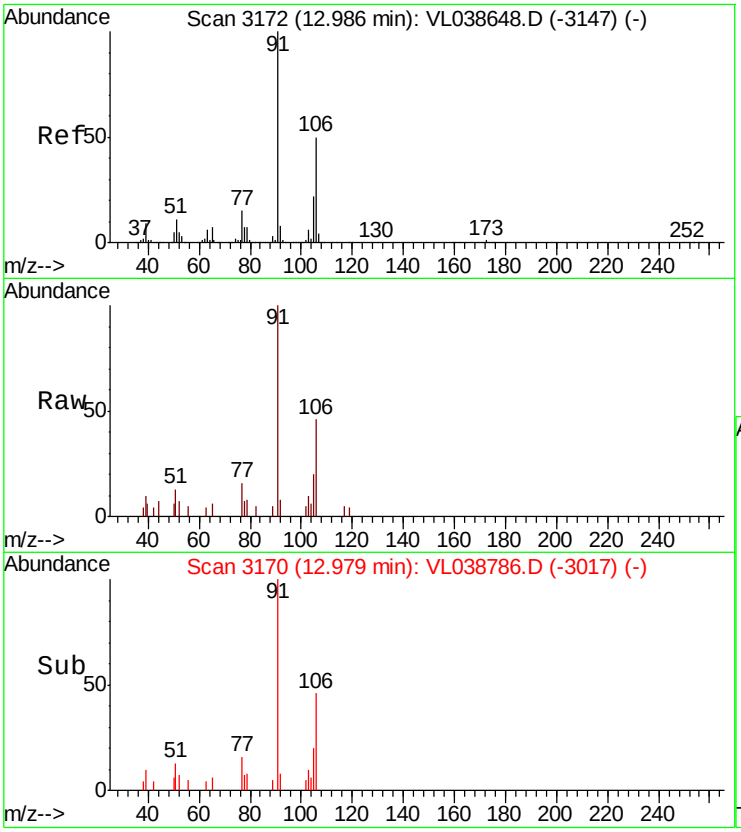


#58
Ethyl Benzene
Concen: 0.043 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 91 Resp: 8347

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.4	38.0



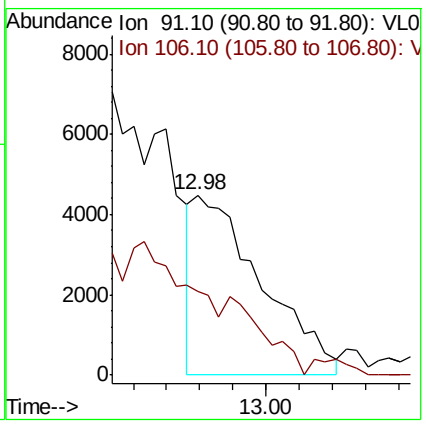


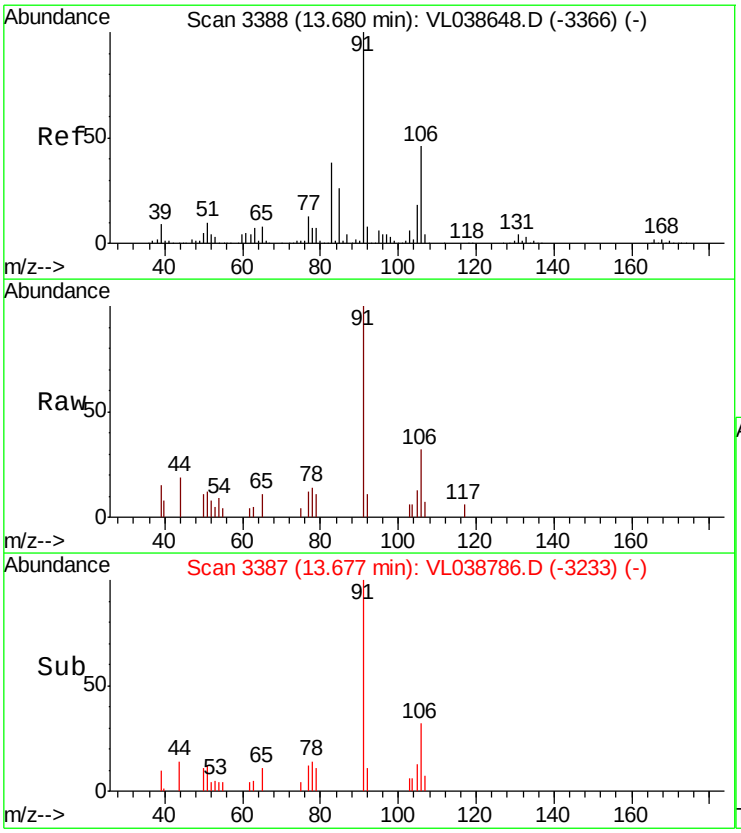
#59
m/p-Xylene
Concen: 0.037 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 6368

Ion	Ratio	Lower	Upper
91	100		
106	0.0	37.2	55.8#

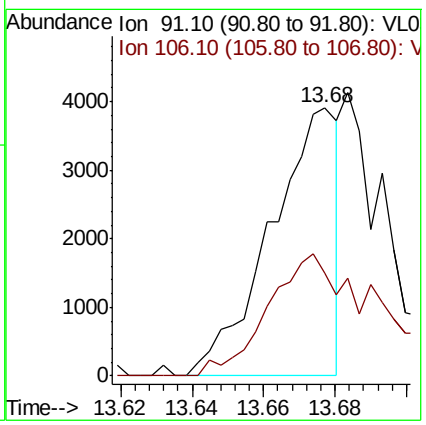


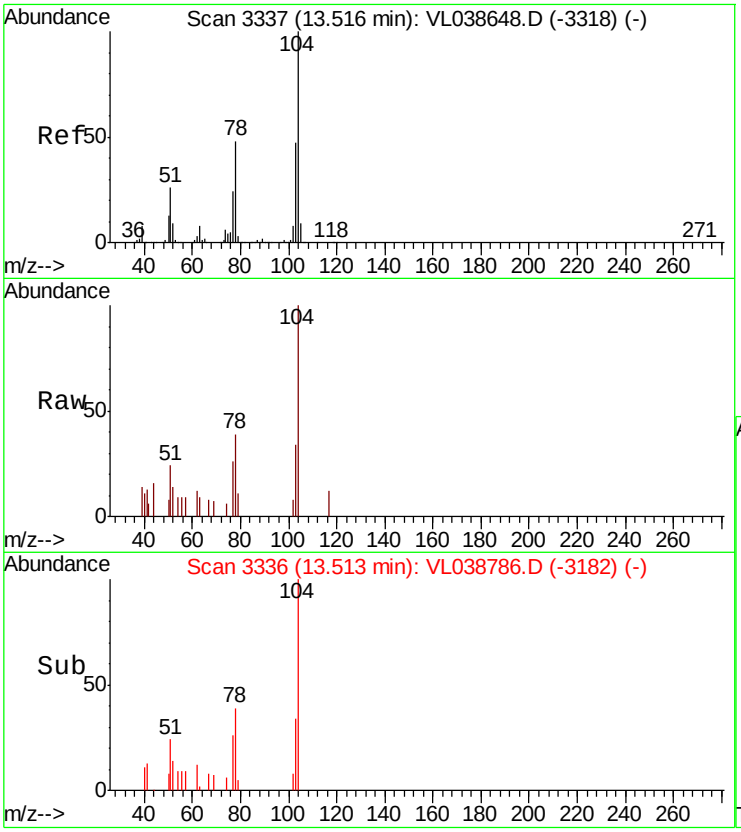


#60
o-Xylene
Concen: 0.031 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 91 Resp: 5077

Ion	Ratio	Lower	Upper
91	100		
106	75.3	23.5	70.5#



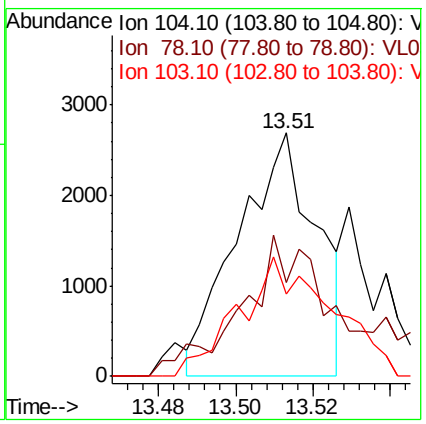


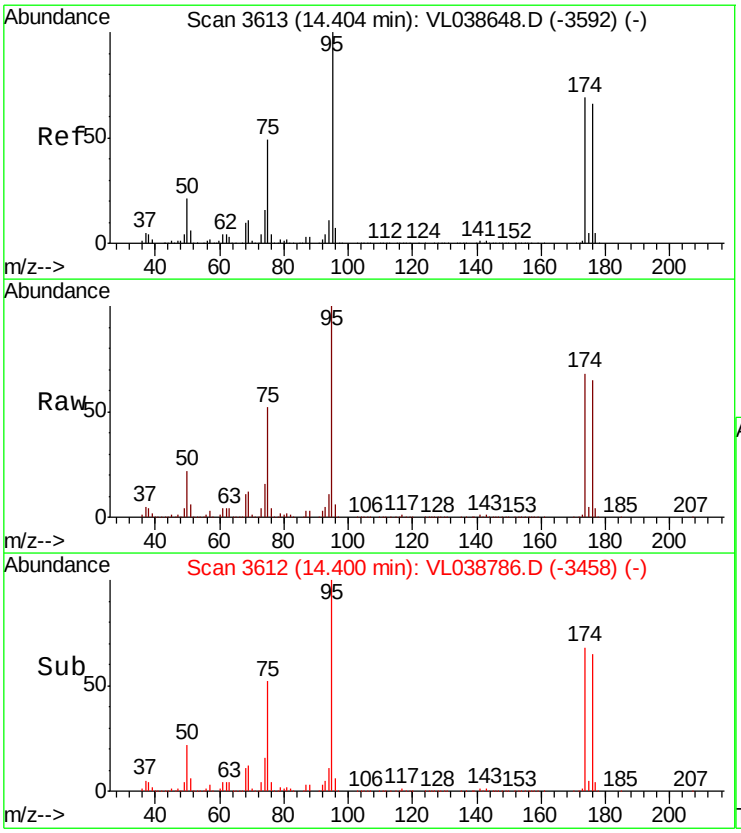
#61
Stvrene
Concen: 0.043 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:104 Resp: 3788

Ion	Ratio	Lower	Upper
104	100		
78	71.1	39.0	58.4#
103	57.9	37.8	56.8#

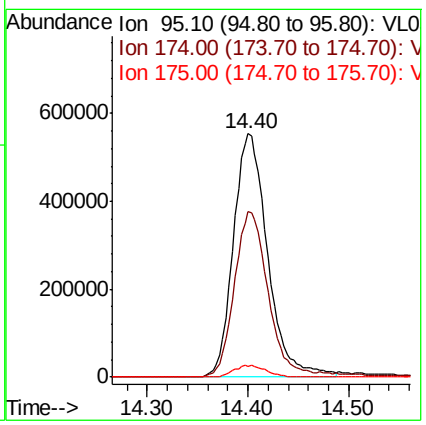


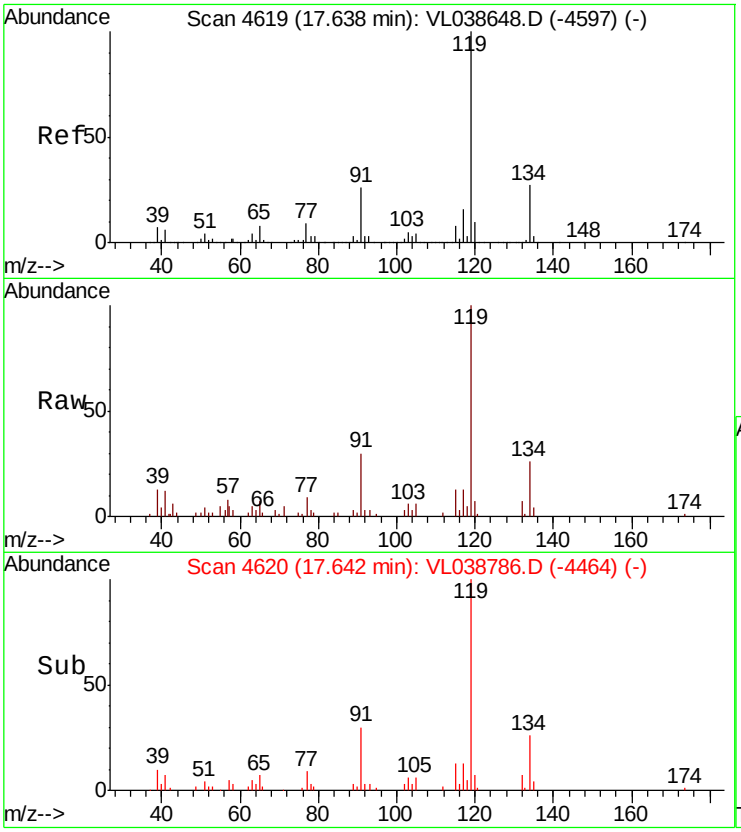


#68
1-Bromo-4-Fluorobenzene
Concen: 10.126 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.00 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 95 Resp: 1303958

Ion	Ratio	Lower	Upper
95	100		
174	69.7	56.1	84.1
175	4.8	4.2	6.2



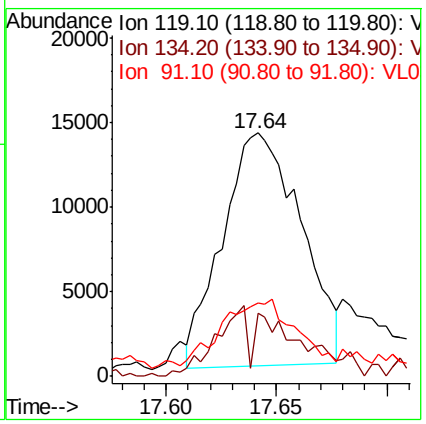


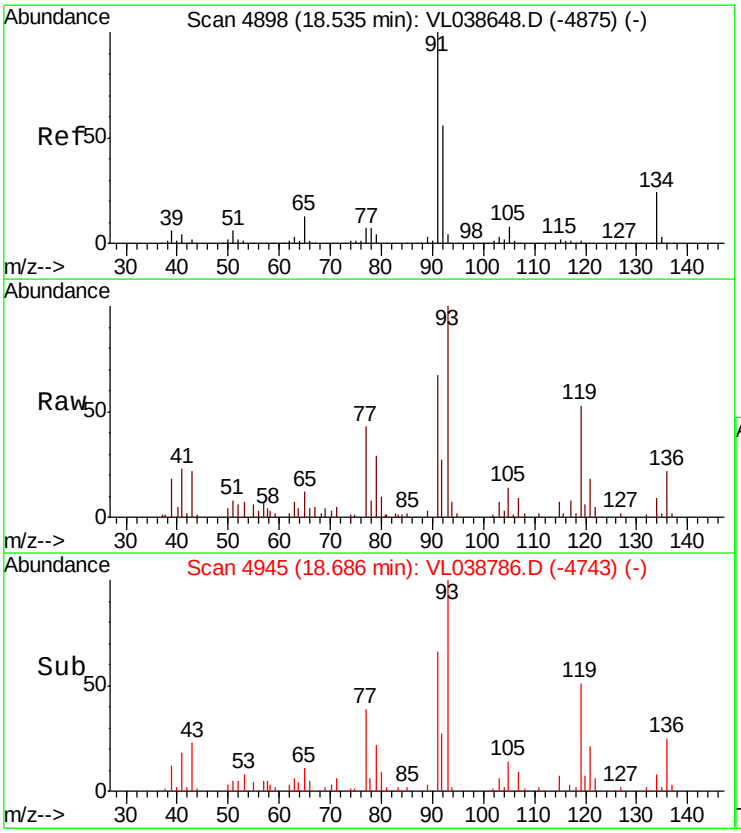
#69
p-Isopropyltoluene
Concen: 0.133 ppbv
RT: 17.64
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:59

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:119 Resp: 34305

Ion	Ratio	Lower	Upper
119	100		
134	32.9	21.2	31.8#
91	38.7	21.4	32.2#

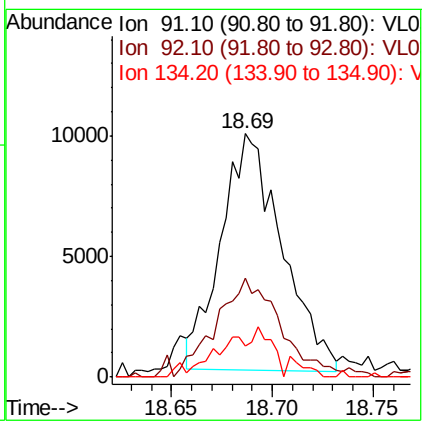


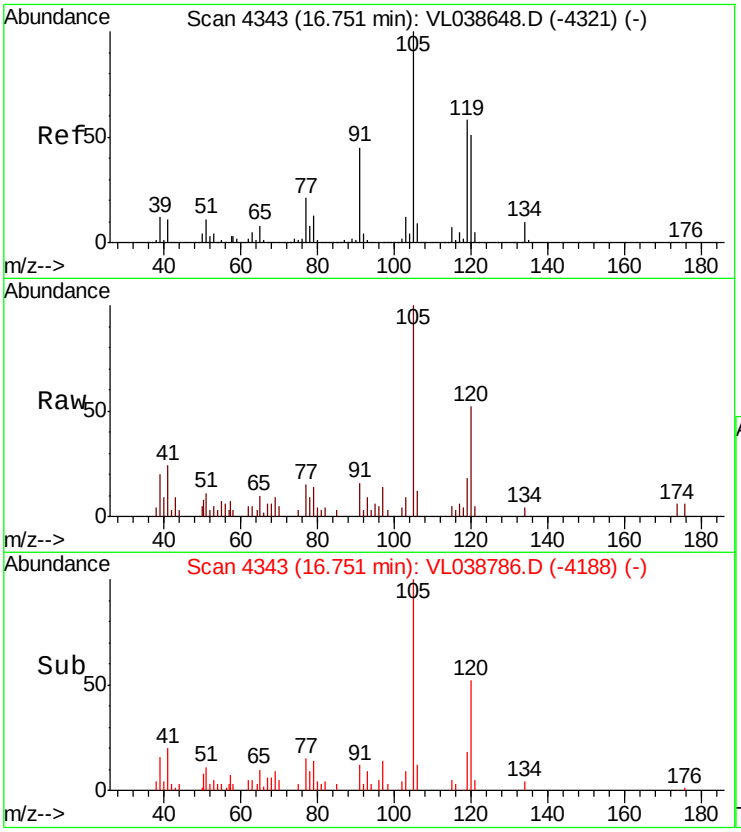


#70
n-Butylbenzene
Concen: 0.078 ppbv
RT: 18.69 min Scan# 4945
Delta R.T. 0.15 min
Lab File: VL038786.D
Acq: 29 Mar 2022 00:59

Tgt Ion: 91 Resp: 20716

Ion	Ratio	Lower	Upper
91	100		
92	47.1	43.9	65.9
134	20.0	18.7	28.1





#74
1,2,4-Trimethylbenzene
Concen: 0.036 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 29 Mar 2022 00:39

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion:105 Resp: 6867

Ion	Ratio	Lower	Upper
105	100		
120	62.6	40.5	60.7#
91	19.6	35.9	53.9#
77	12.7	16.6	25.0#