Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050522\
Data File : VL038971.D
Acq On : 5 May 2022 14:01
Operator : SY/AP
Sample : N2698-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: May 06 07:28:01 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1104341	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	2526177	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.07	117	2232176	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	1896291	10.73	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 107.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	55239	0.319	ppbv		100
3) Chlorodifluoromethane	2.99	51	59851	0.437	ppbv		92
4) Chloromethane	3.14	50	6139	0.089	ppbv	#	86
9) Propene	3.02	41	28570	0.477	ppbv	#	37
10) Heptane	8.11	43	11053	0.075	ppbv	#	27
11) Trichlorofluoromethane	3.95	101	24189	0.163	ppbv		85
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3338	0.033	ppbv	#	1
13) Ethanol	3.61	45	24431	5.228	ppbv	#	37
15) Acetone	3.84	43	2049657	19.676	ppbv		91
16) 1,3-Butadiene	3.31	39	62114	1.038	ppbv	#	17
17) tert-Butyl alcohol	4.29	59	45787	0.572	ppbv	#	94
19) Isopropyl Alcohol	3.97	45	33773	0.682	ppbv	#	95
20) Methylene Chloride	4.34	84	824611	21.003	ppbv		97
23) Vinyl Acetate	5.07	43	112727	1.368	ppbv	#	92
25) Ethyl Acetate	5.68	43	592142	2.375	ppbv	#	77
26) Hexane	5.68	57	870789	7.860	ppbv	#	39
27) Carbon Disulfide	4.55	76	27151	0.258	ppbv	#	82
34) 2-Butanone	5.24	43	944148	7.326	ppbv		98
35) Carbon Tetrachloride	7.00	117	5960	0.036	ppbv	#	74
36) Benzene	6.88	78	21485	0.099	ppbv		97
39) 1,2-Dichloropropane	7.17	63	717274	8.527	ppbv	#	26
41) Tetrahydrofuran	5.73	42	4418	0.051	ppbv	#	61
51) 2-Hexanone	10.12	43	659596	3.999	ppbv	#	99
52) Tetrachloroethene	11.21	164	15699	0.203	ppbv	#	85
53) Toluene	9.79	91	35467	0.146	ppbv	#	8
58) Ethyl Benzene	12.69	91	120907	0.376	ppbv		94
59) m/p-Xylene	12.98	91	119588	0.436	ppbv	#	33
60) o-Xylene	13.67	91	99934	0.387	ppbv	#	51
61) Styrene	13.51	104	20977	0.152	ppbv	#	26
62) Isopropylbenzene	14.65	105	126799	0.385	ppbv		97
64) n-propylbenzene	15.54	120	4497	0.049	ppbv	#	1
69) p-Isopropyltoluene	17.63	119	26710	0.070	ppbv	#	7
72) 4-Ethyltoluene	15.83	105	24733	0.084	ppbv	#	51
74) 1,2,4-Trimethylbenzene	16.75	105	149484	0.516	ppbv	#	65
79) Naphthalene	22.17	128	10749	0.046	ppbv	#	78
80) Naphthalene,2-methyl-	24.96	142	4228	0.059	ppbv	#	21

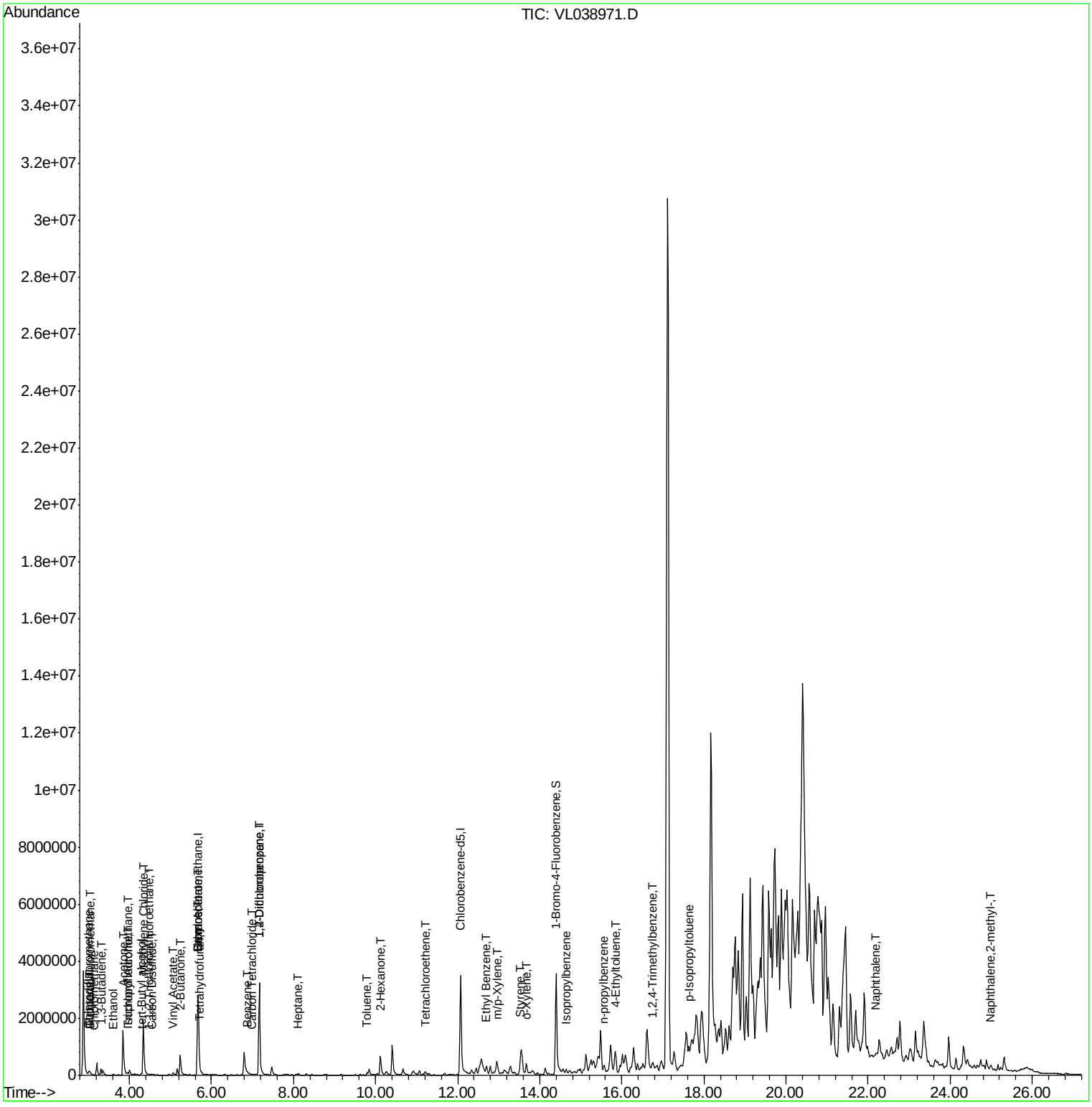
(#) = qualifier out of range (m) = manual integration (+) = signals summed

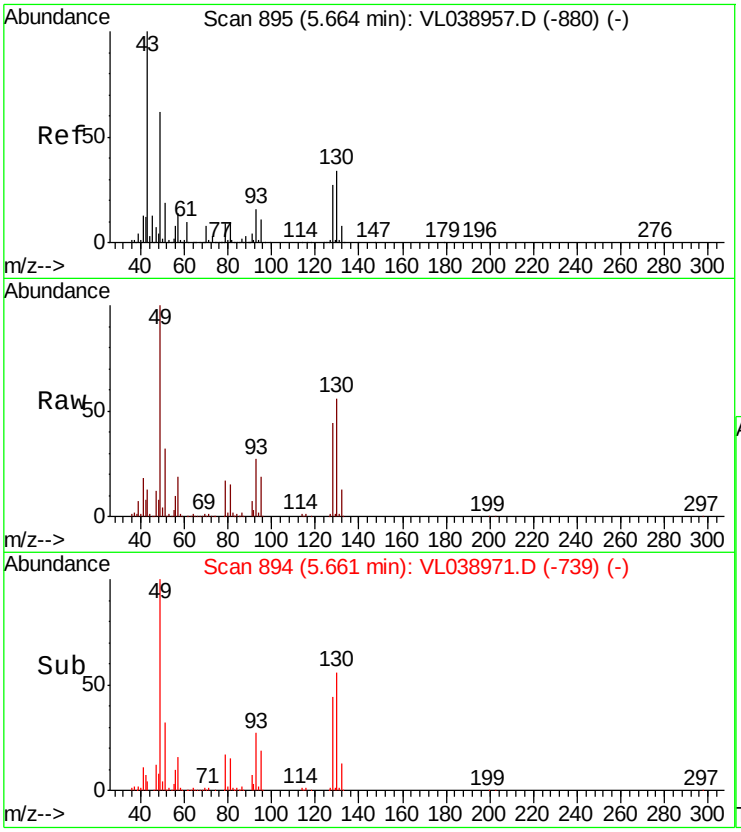
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL050522\
Data File : VL038971.D
Acq On : 5 May 2022 14:01
Operator : SY/AP
Sample : N2698-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 06 07:28:01 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 07:41:27 2022
QLast Update : Thu May 05 07:41:27 2022
Response via : Initial Calibration



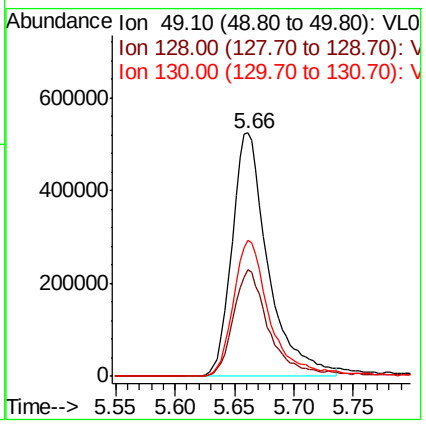


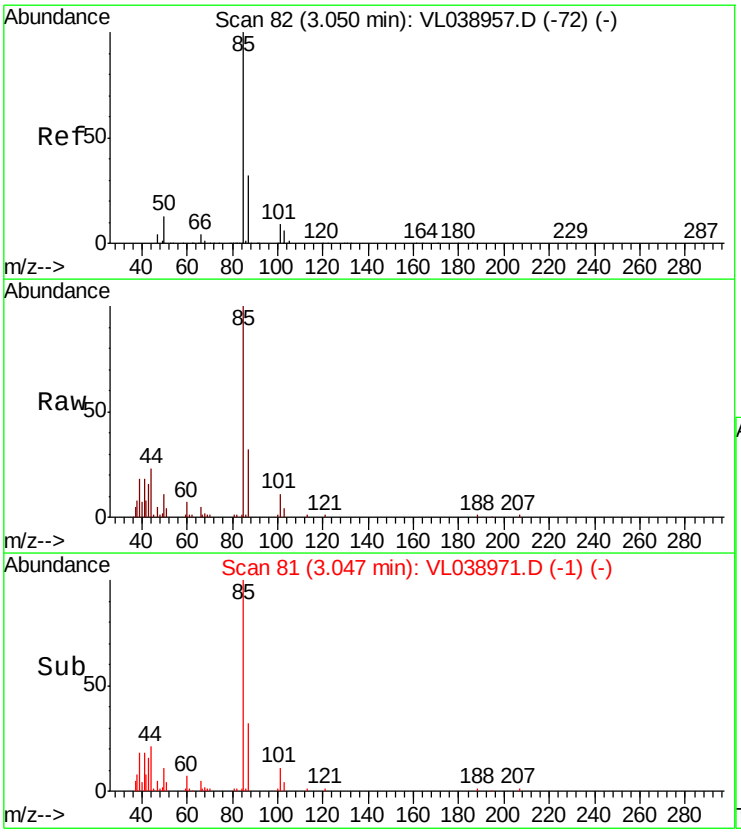
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1104341

Ion	Ratio	Lower	Upper
49	100		
128	44.7	23.3	69.8
130	57.5	29.8	89.3

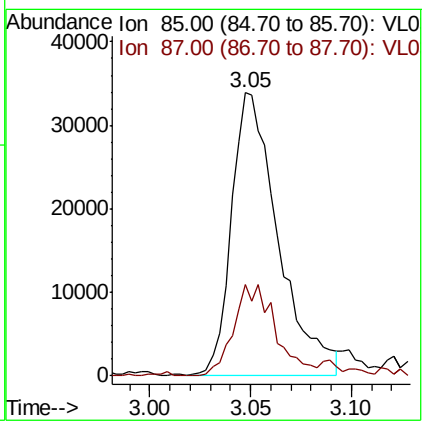


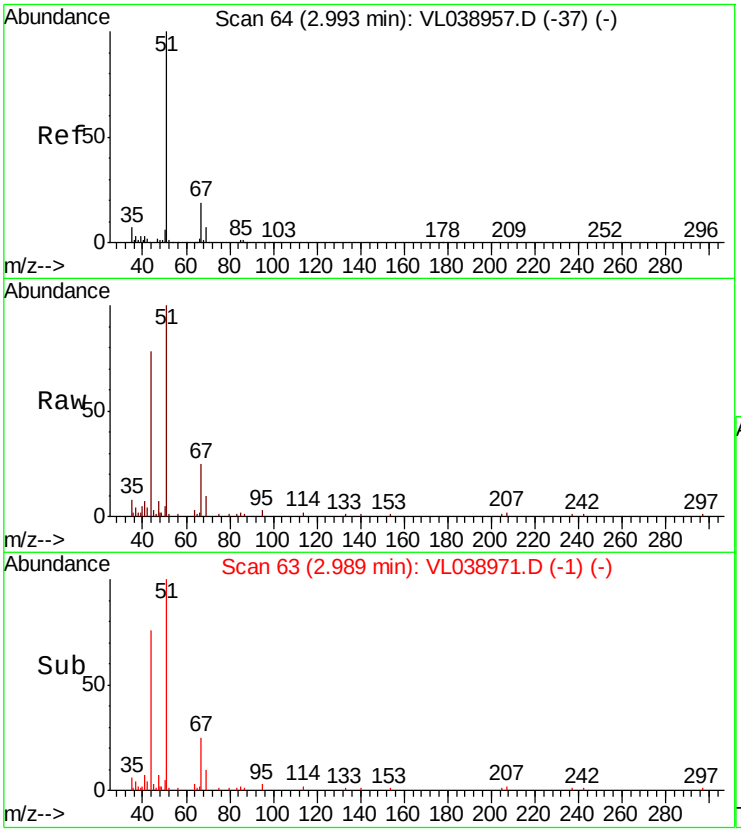


#2
Dichlorodifluoromethane
Concen: 0.319 ppbv
RT: 3.05 min Scan# 81
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 85 Resp: 55239

Ion	Ratio	Lower	Upper
85	100		
87	32.1	25.7	38.5



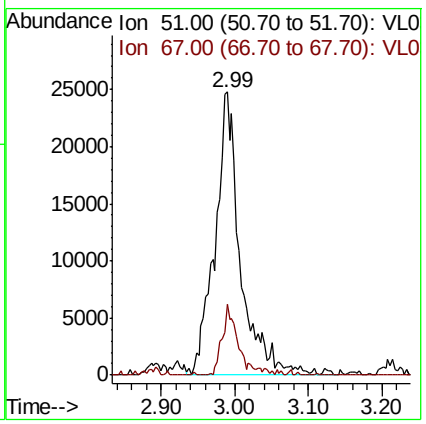


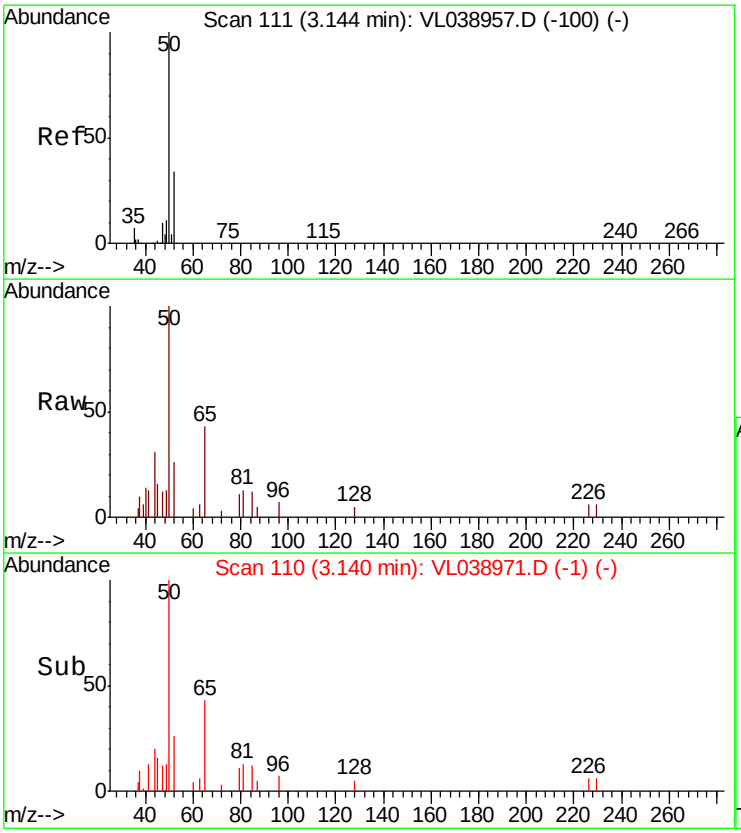
#3
Chlorodifluoromethane
Concen: 0.437 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 51 Resp: 59851

Ion	Ratio	Lower	Upper
51	100		
67	16.3	15.8	23.8

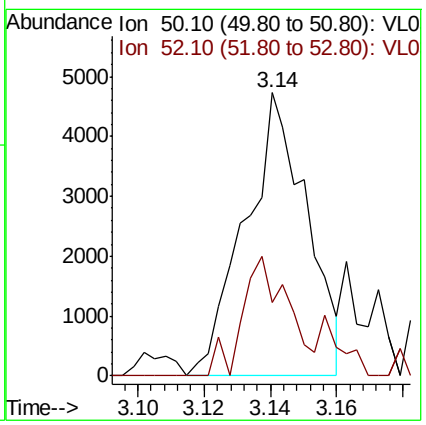


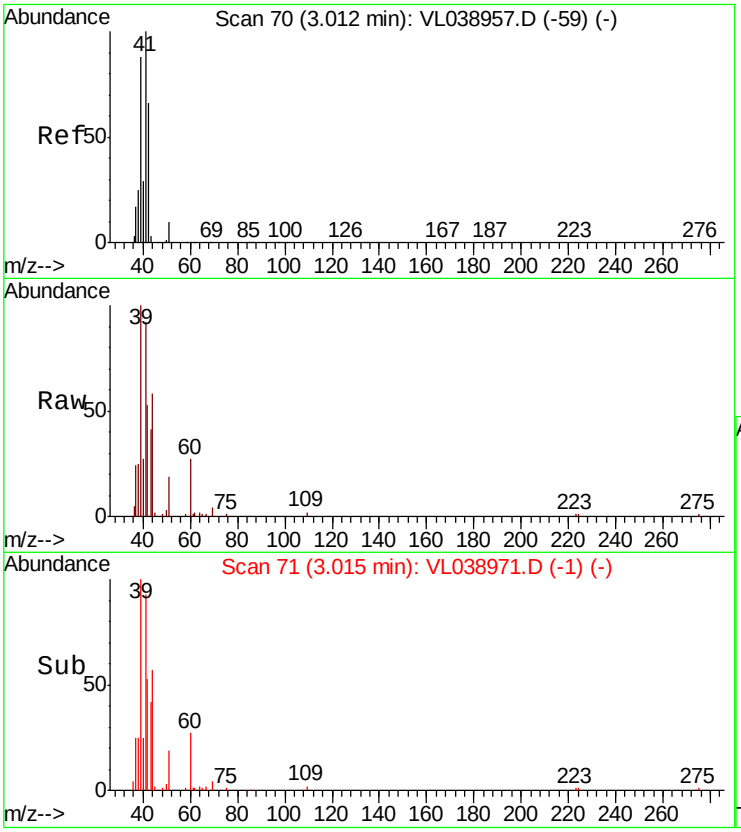


#4
Chloromethane
Concen: 0.089 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 50 Resp: 6139

Ion	Ratio	Lower	Upper
50	100		
52	25.9	27.3	40.9#



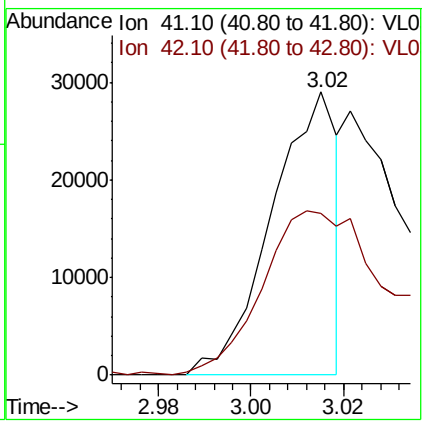


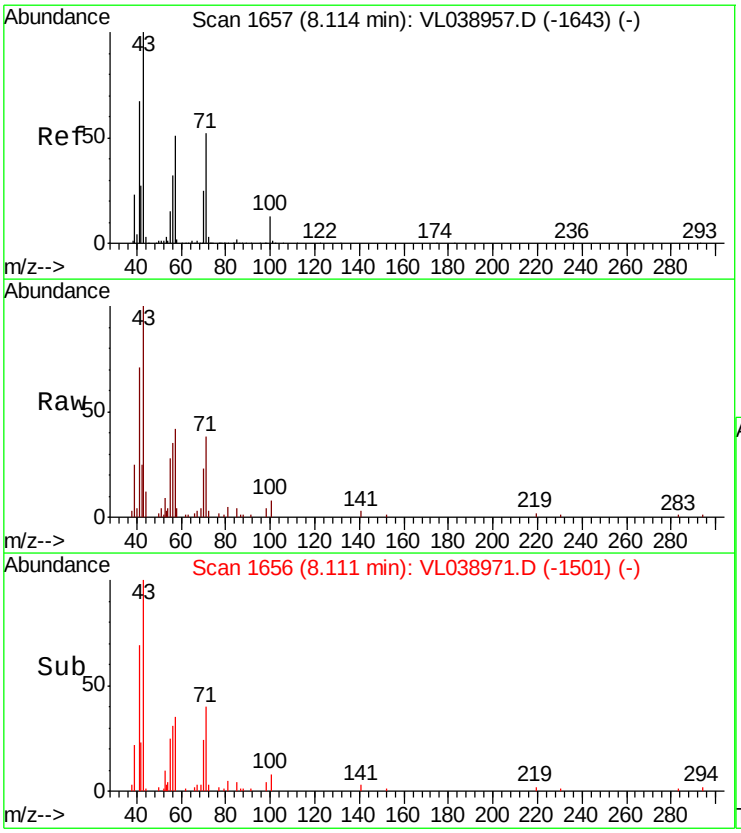
#9
Propene
Concen: 0.477 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 28570

Ion	Ratio	Lower	Upper
41	100		
42	126.1	58.3	87.5#

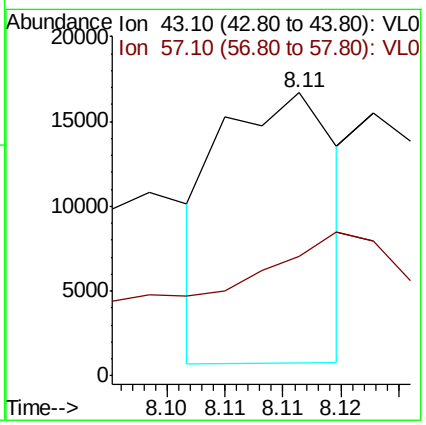


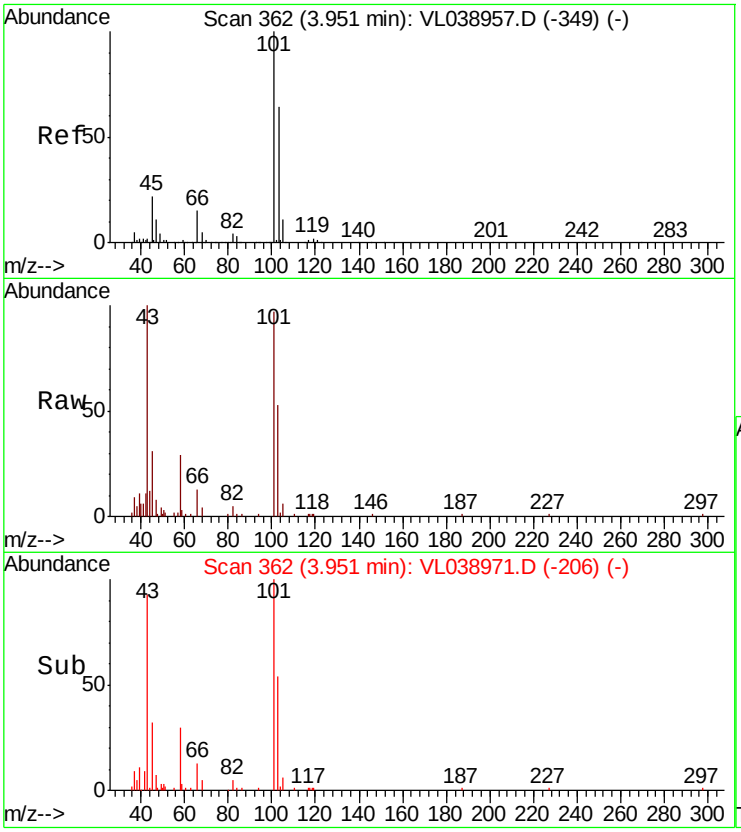


#10
Heptane
Concen: 0.075 ppbv
RT: 8.11 min Scan# 1656
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 43 Resp: 11053

Ion	Ratio	Lower	Upper
43	100		
57	0.0	40.5	60.7#



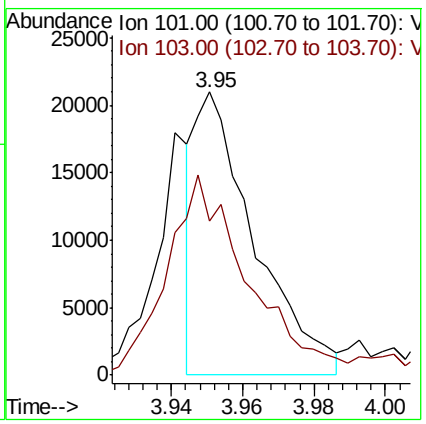


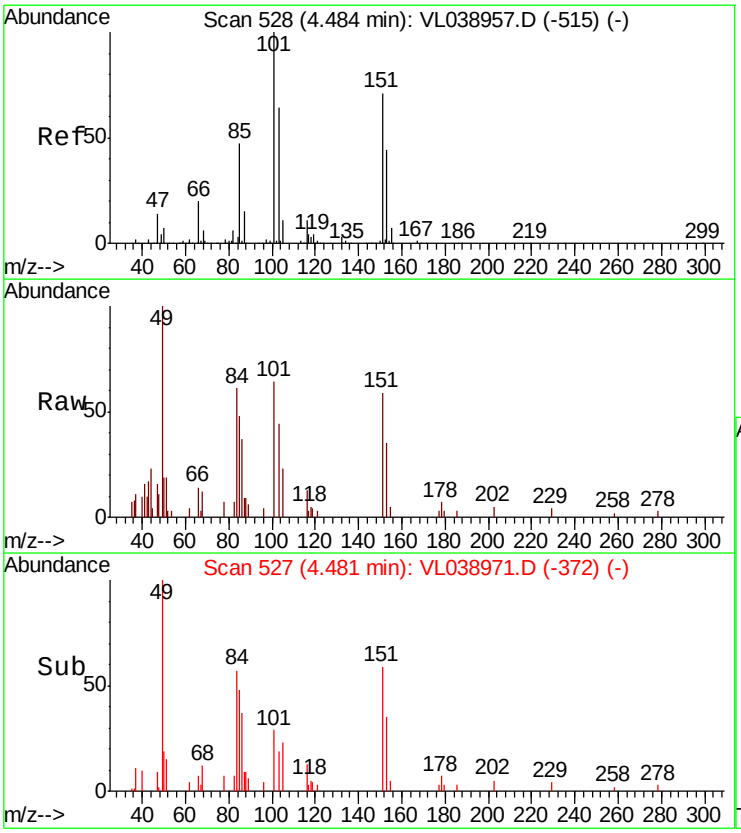
#11
Trichlorofluoromethane
Concen: 0.163 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 24189

Ion	Ratio	Lower	Upper
101	100		
103	52.9	51.5	77.3

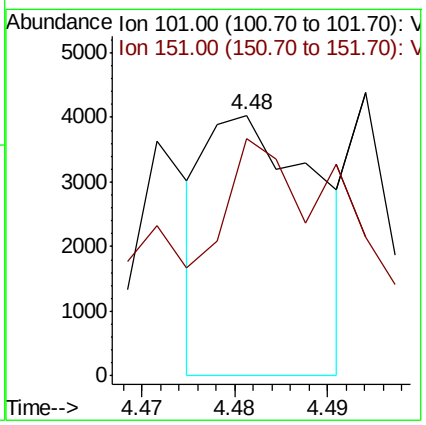


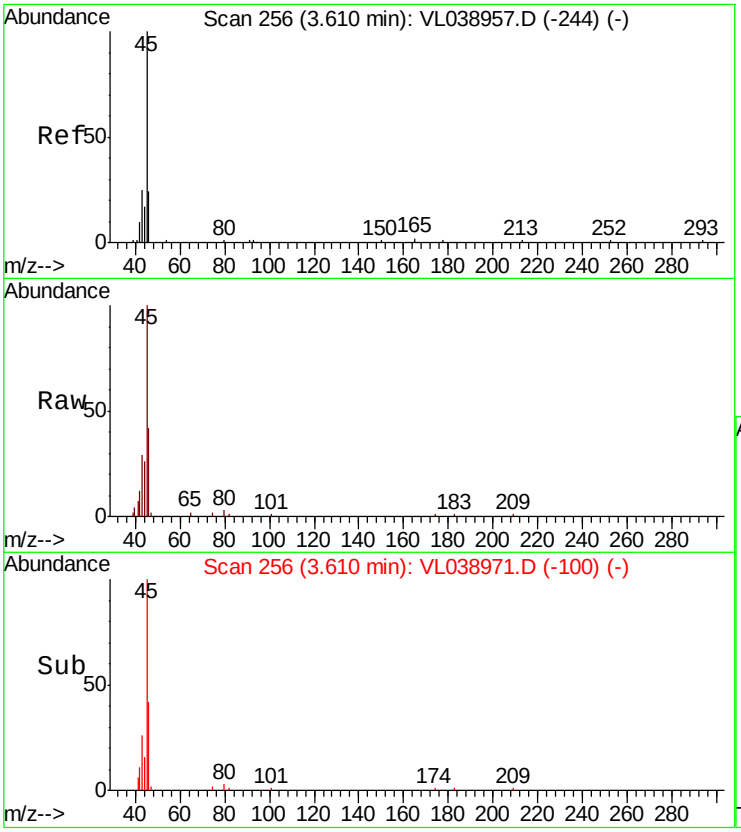


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.033 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:101 Resp: 3338

Ion	Ratio	Lower	Upper
101	100		
151	186.5	55.4	83.0#



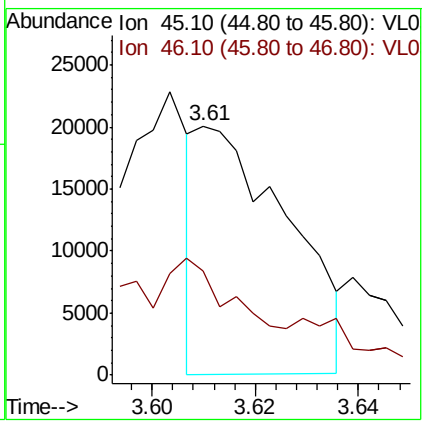


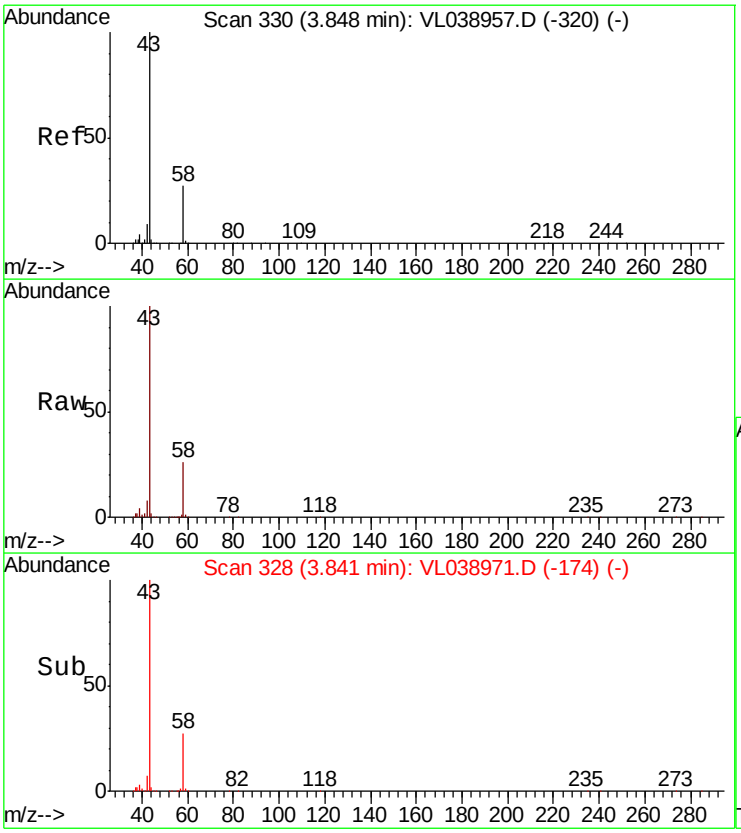
#13
Ethanol
Concen: 5.228 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 24431

Ion	Ratio	Lower	Upper
45	100		
46	86.3	18.0	72.2#

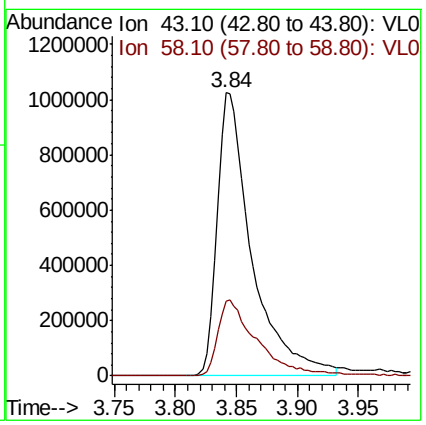


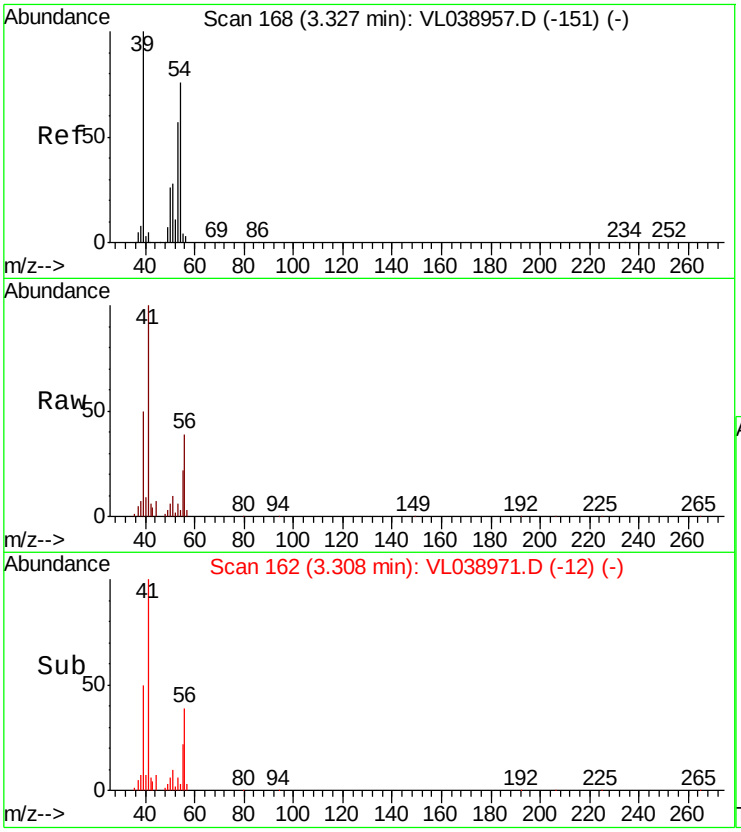


#15
Acetone
Concen: 19.676 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 43 Resp: 2049657

Ion	Ratio	Lower	Upper
43	100		
58	31.1	21.3	31.9



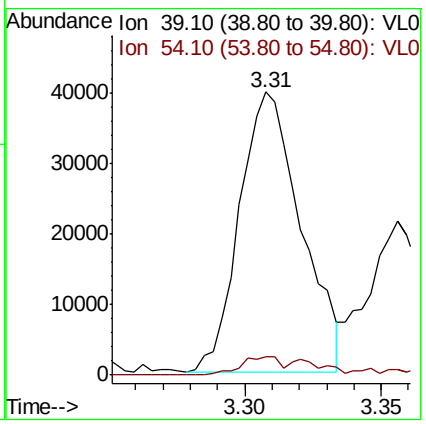


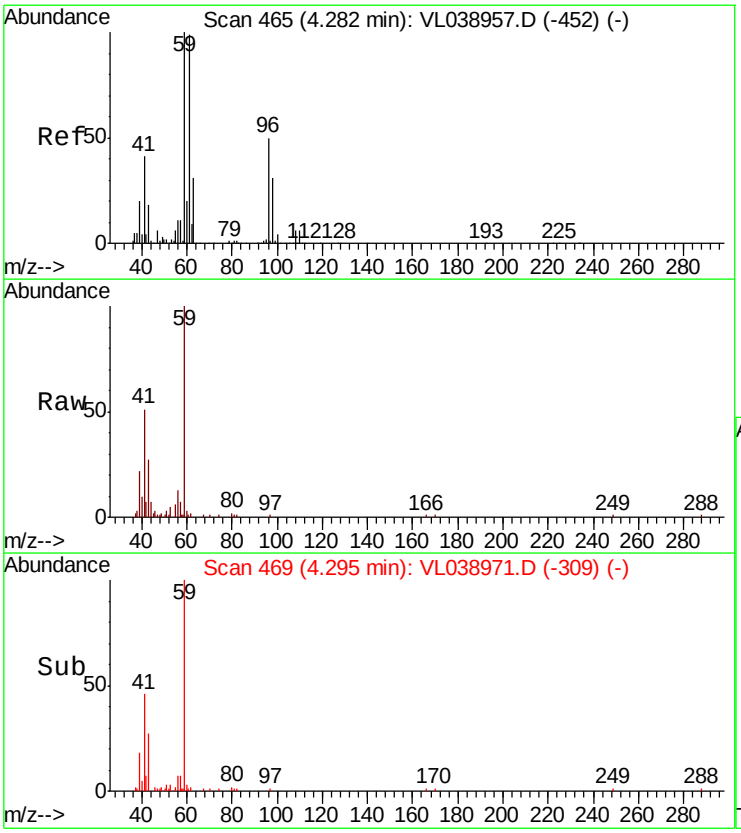
#16
1,3-Butadiene
Concen: 1.038 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 62114

Ion	Ratio	Lower	Upper
39	100		
54	7.2	65.2	97.8#

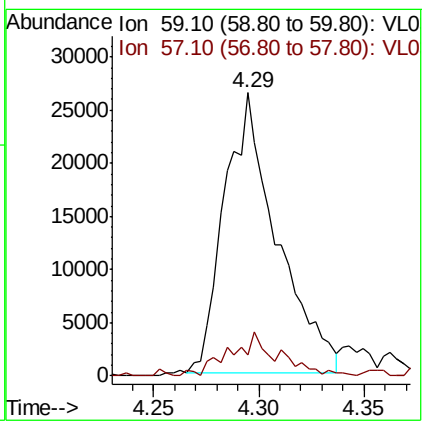


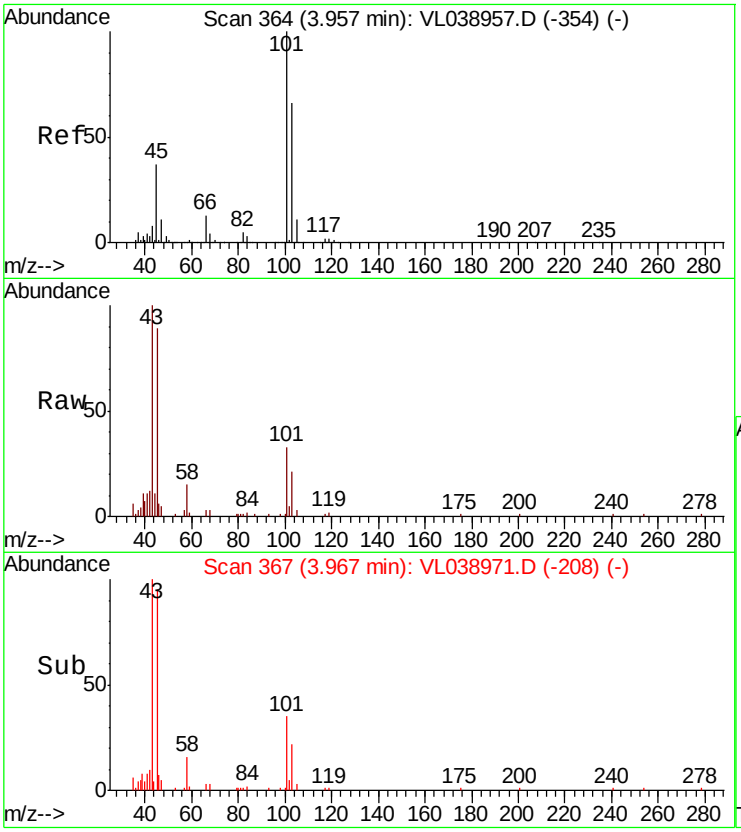


#17
tert-Butyl alcohol
Concen: 0.572 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 59 Resp: 45787

Ion	Ratio	Lower	Upper
59	100		
57	13.8	9.2	13.8#



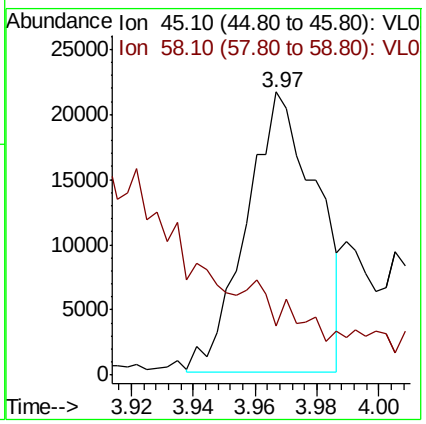


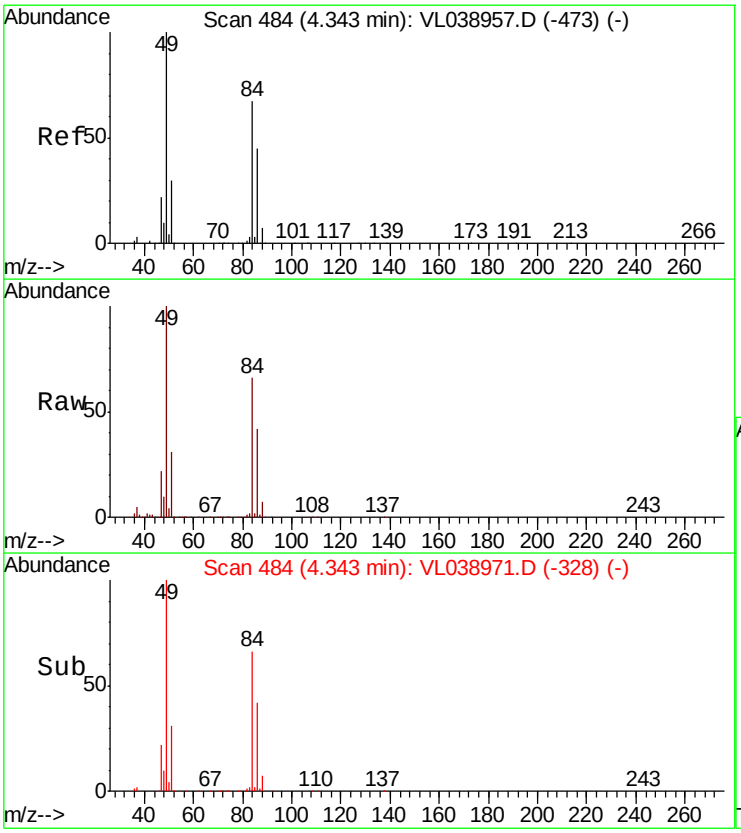
#19
Isopropyl Alcohol
Concen: 0.682 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 33773

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

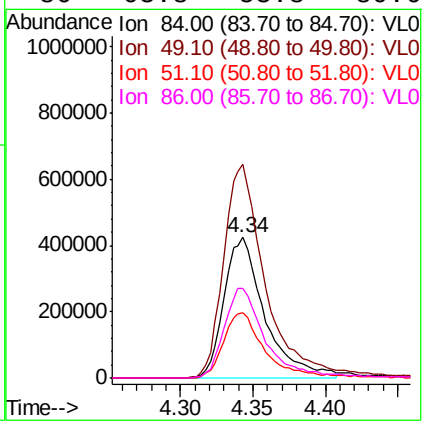


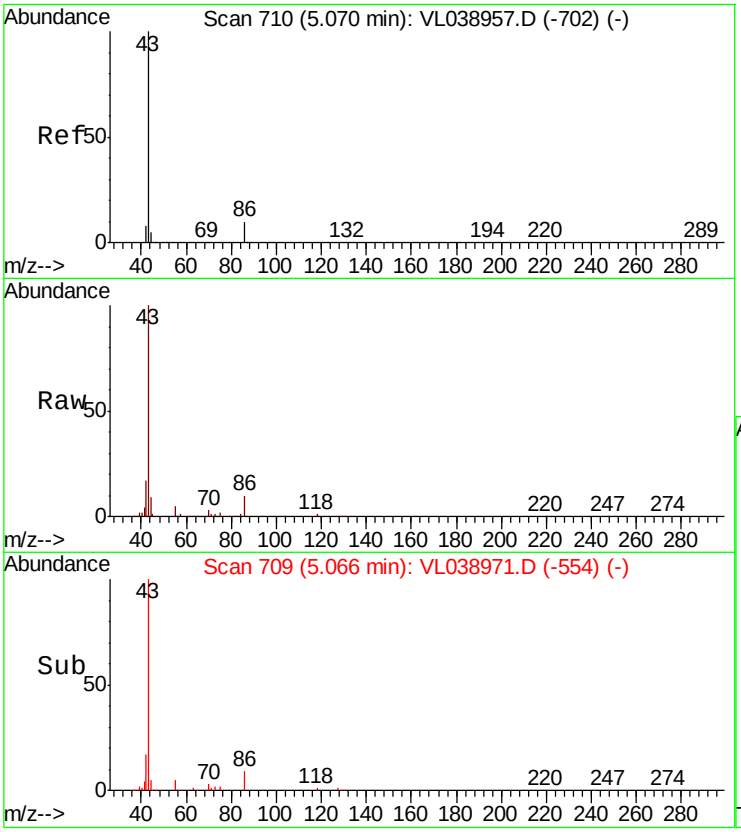


#20
Methylene Chloride
Concen: 21.003 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 84 Resp: 824611

Ion	Ratio	Lower	Upper
84	100		
49	152.1	119.9	179.9
51	46.5	35.7	53.5
86	63.8	53.8	80.6



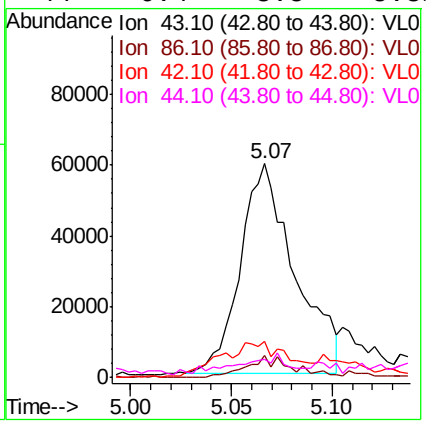


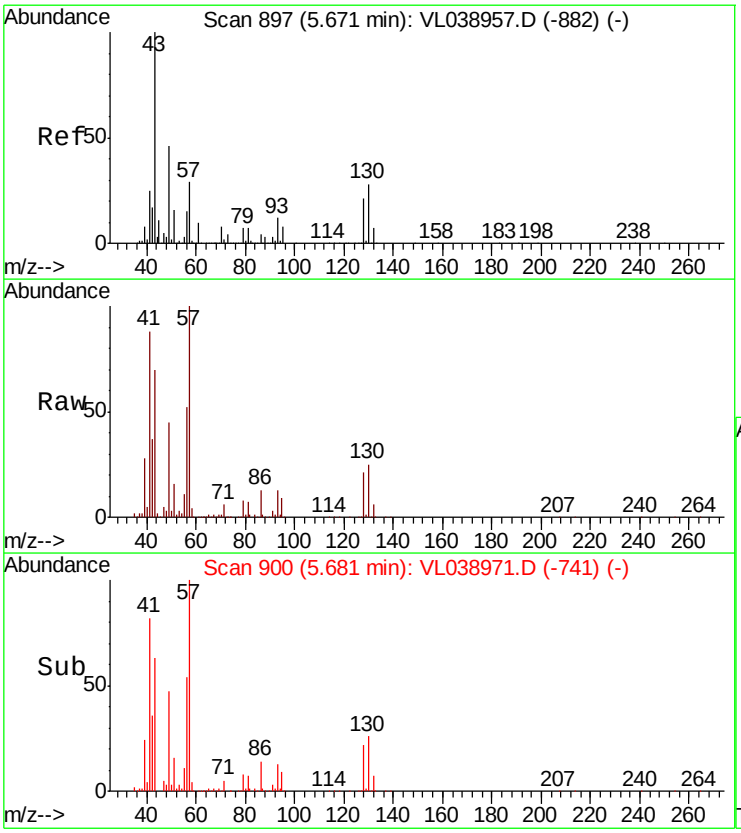
#23
Vinyl Acetate
Concen: 1.368 ppbv
RT: 5.07
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 112727

Ion	Ratio	Lower	Upper
43	100		
86	10.1	6.6	9.8#
42	14.3	8.1	12.1#
44	6.4	3.5	5.3#

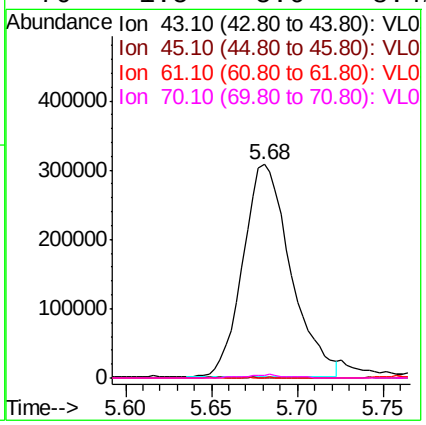


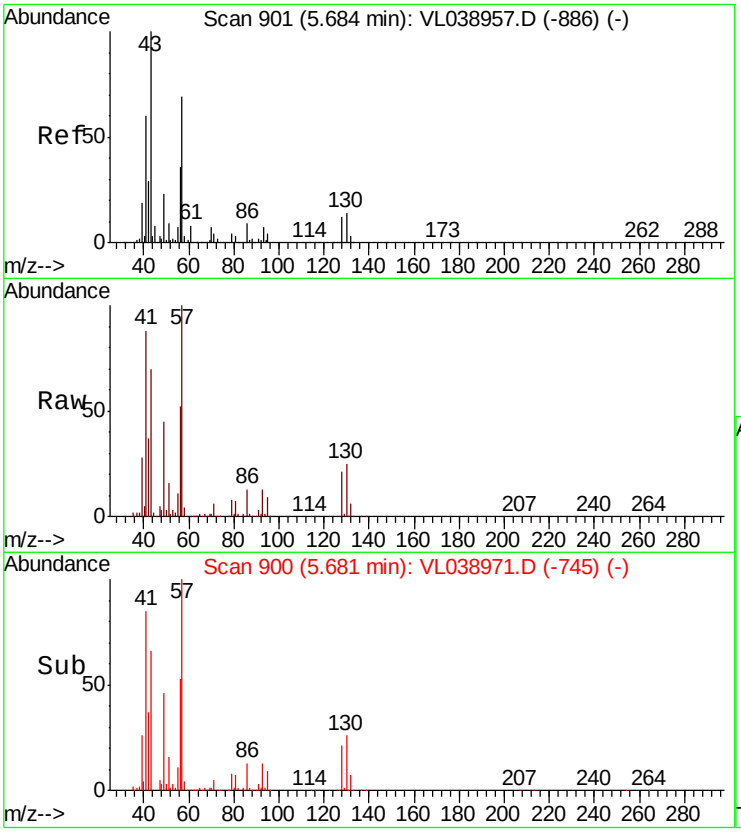


#25
Ethyl Acetate
Concen: 2.375 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 43 Resp: 592142

Ion	Ratio	Lower	Upper
43	100		
45	0.4	8.1	12.1#
61	0.2	7.8	11.6#
70	1.5	5.6	8.4#



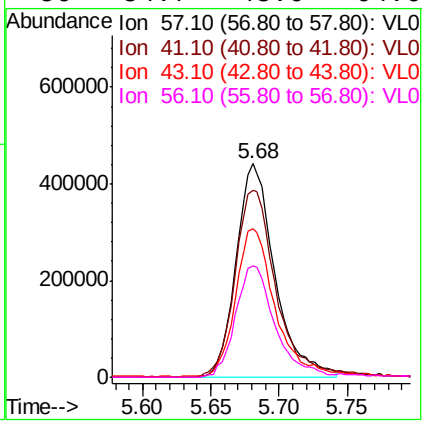


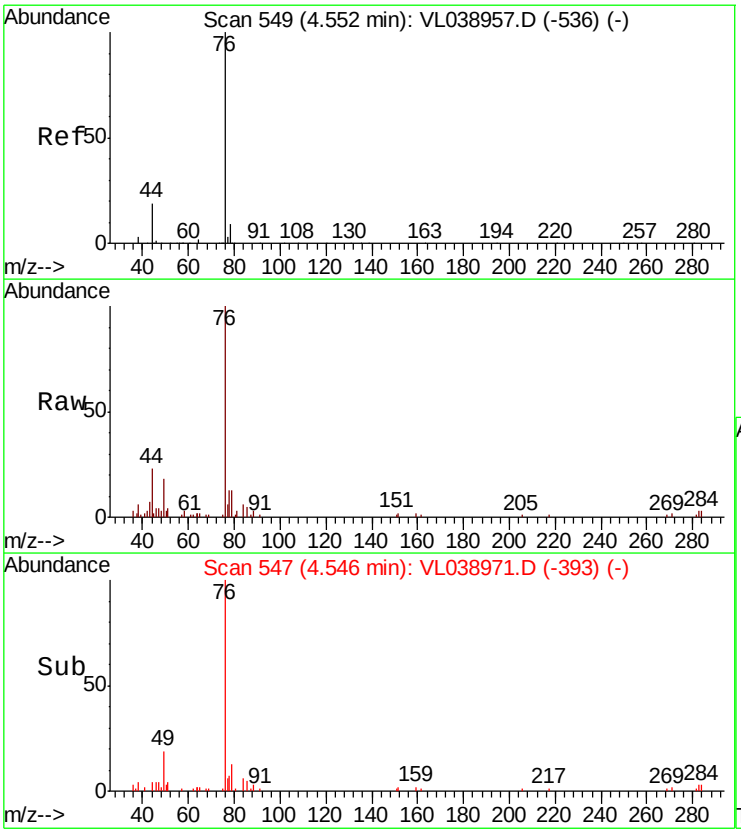
#26
Hexane
Concen: 7.860 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 57 Resp: 870789

Ion	Ratio	Lower	Upper
57	100		
41	95.1	75.2	112.8
43	71.3	190.8	286.2#
56	54.7	43.0	64.6

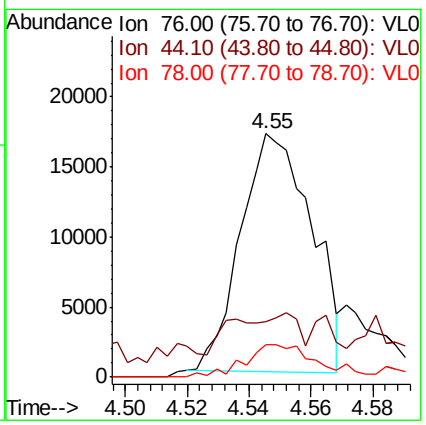


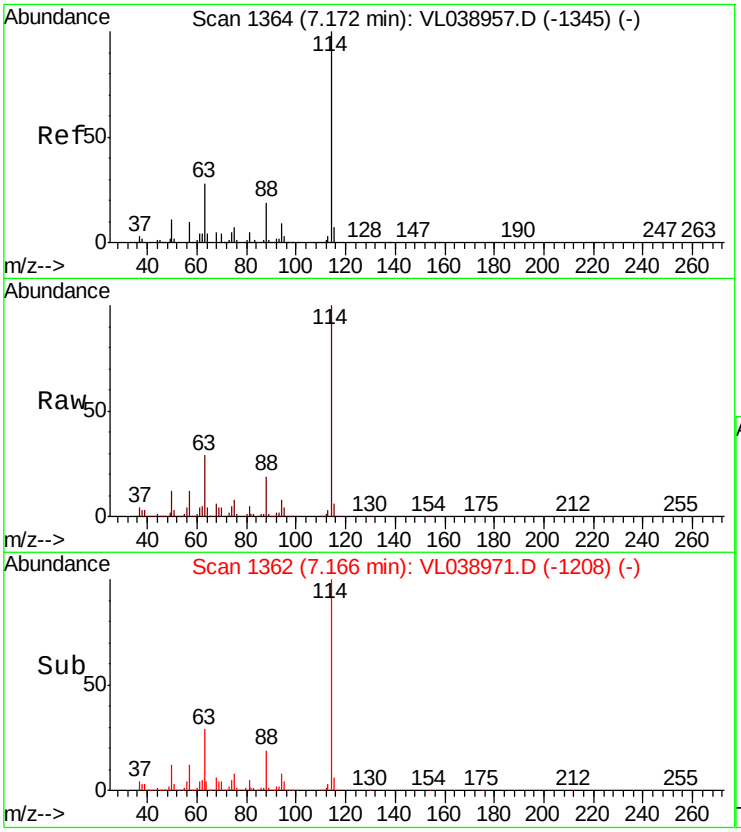


#27
Carbon Disulfide
Concen: 0.258 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 76 Resp: 27151

Ion	Ratio	Lower	Upper
76	100		
44	27.6	15.3	22.9#
78	16.1	8.2	12.2#



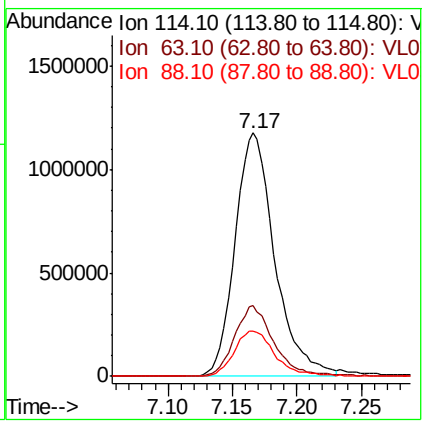


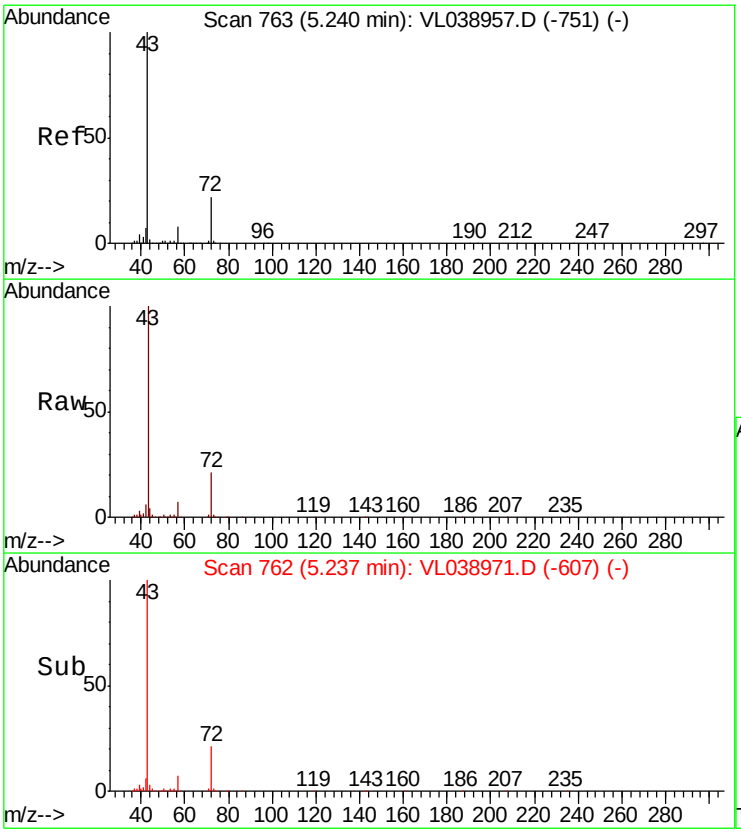
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 2526177

Ion	Ratio	Lower	Upper
114	100		
63	29.1	22.6	33.8
88	19.4	15.4	23.0

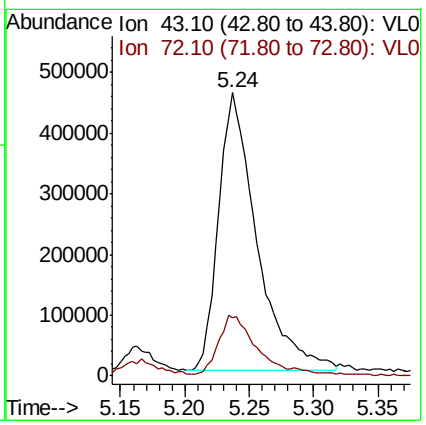


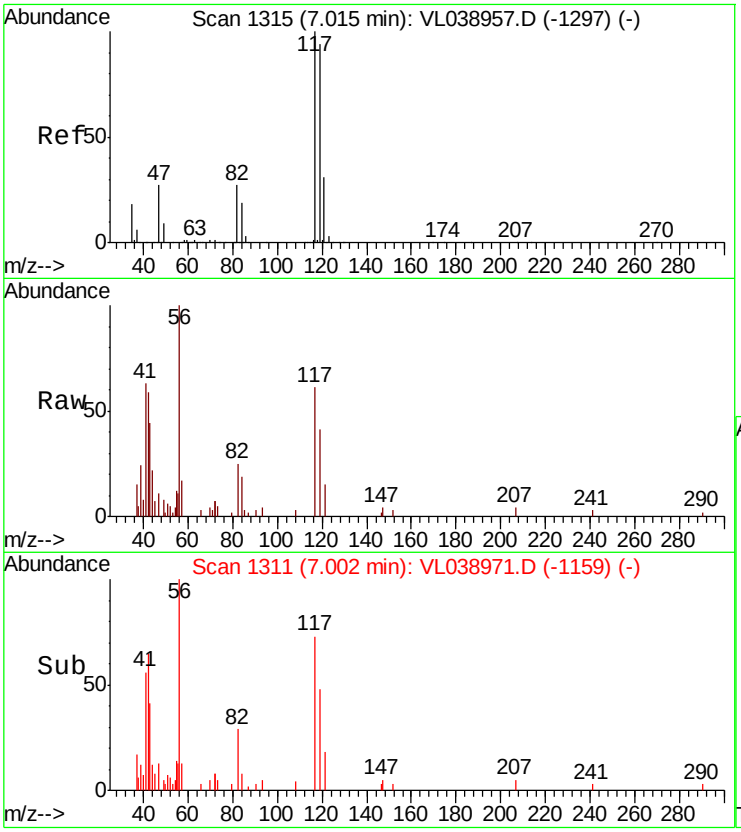


#34
2-Butanone
Concen: 7.326 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 43 Resp: 944148

Ion	Ratio	Lower	Upper
43	100		
72	23.2	17.8	26.6



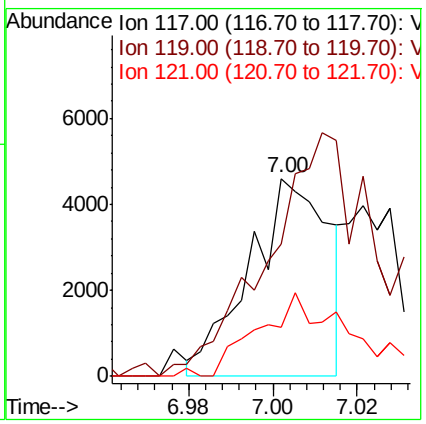


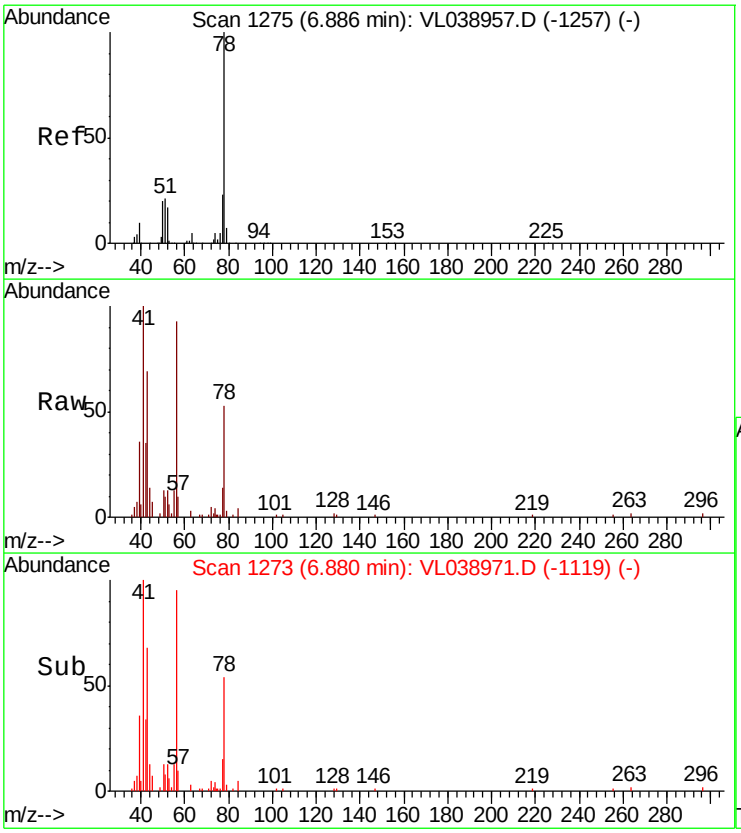
#35
Carbon Tetrachloride
Concen: 0.036 ppbv
RT: 7.00
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 5960

Ion	Ratio	Lower	Upper
117	100		
119	65.7	75.2	112.8#
121	23.0	24.6	37.0#

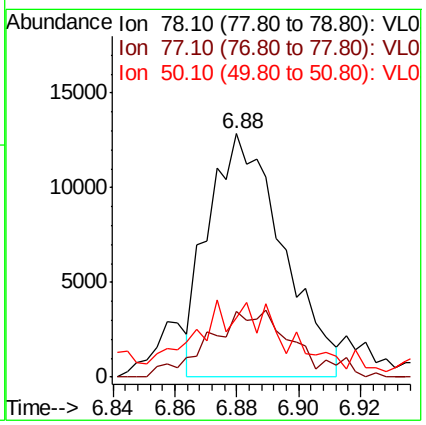


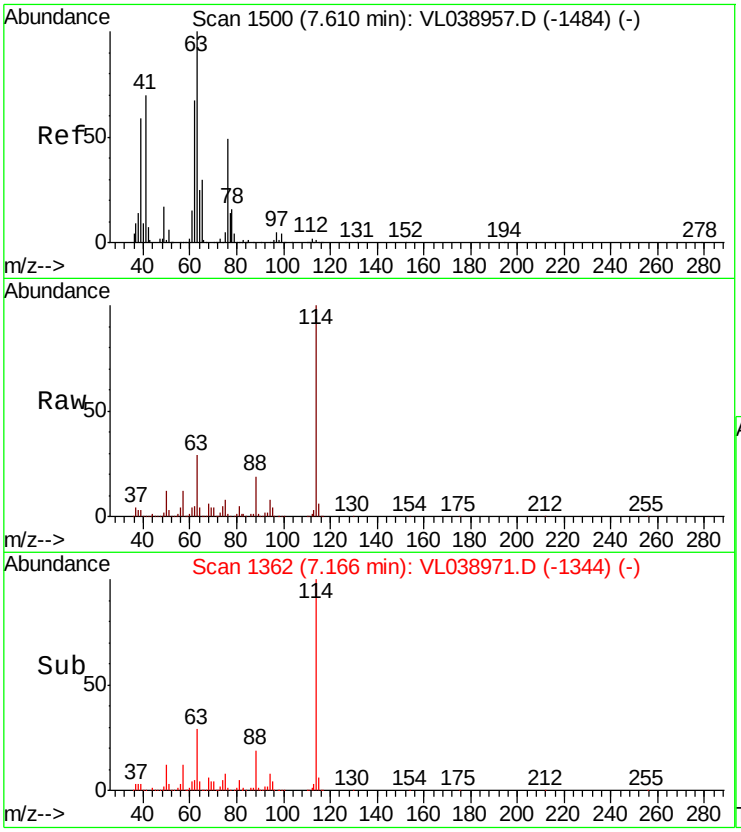


#36
Benzene
Concen: 0.099 ppbv
RT: 6.88 min Scan# 1273
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 78 Resp: 21485

Ion	Ratio	Lower	Upper
78	100		
77	25.1	18.6	28.0
50	18.2	15.6	23.4



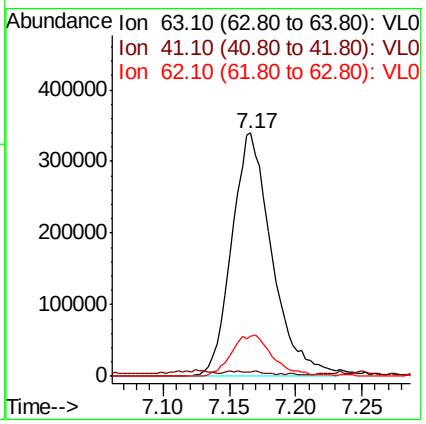


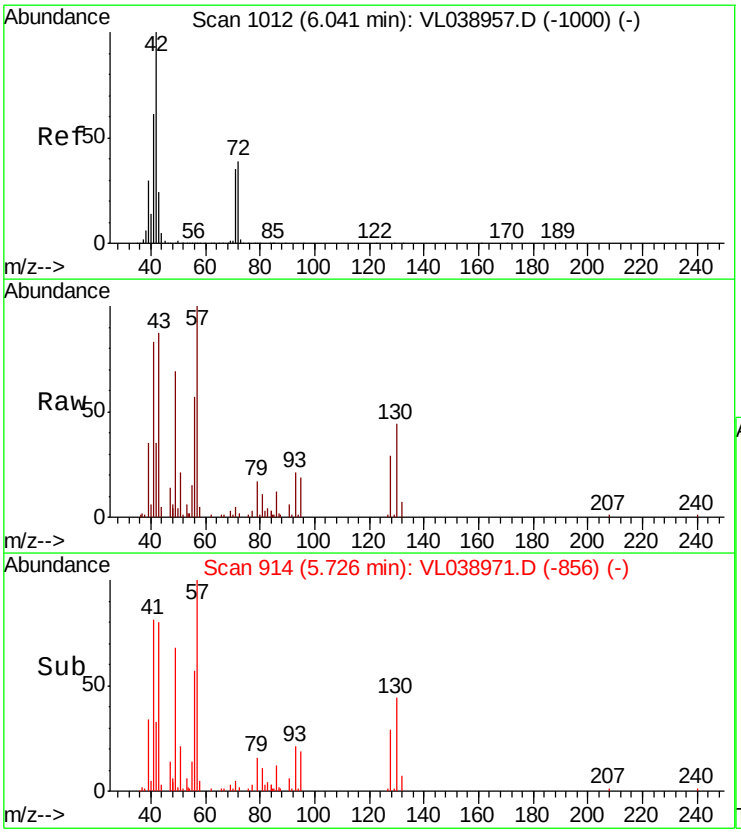
#39
1,2-Dichloropropane
Concen: 8.527 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 717274

Ion	Ratio	Lower	Upper
63	100		
41	0.4	55.9	83.9#
62	16.3	53.8	80.6#

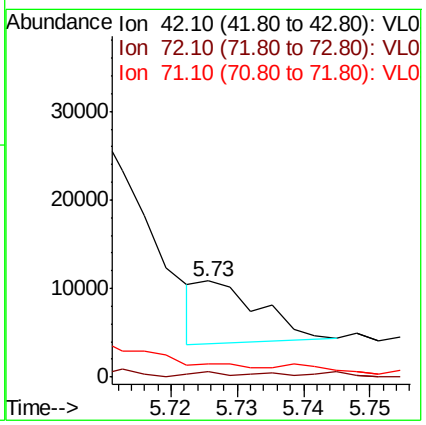


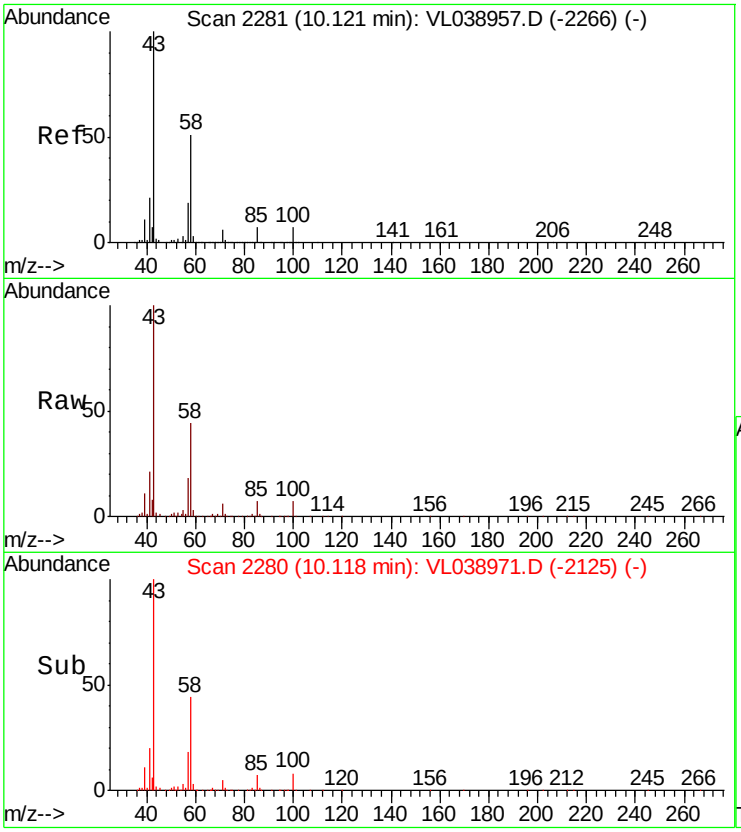


#41
Tetrahydrofuran
Concen: 0.051 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.32 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 42 Resp: 4418

Ion	Ratio	Lower	Upper
42	100		
72	30.5	31.8	47.6#
71	0.0	30.6	45.8#



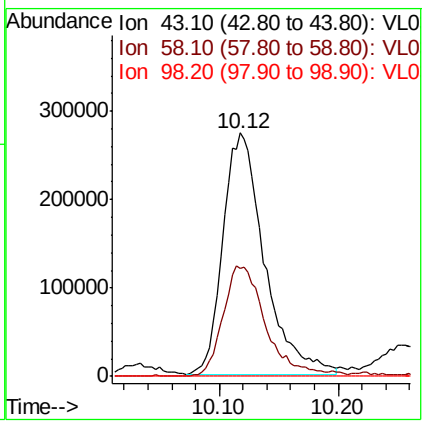


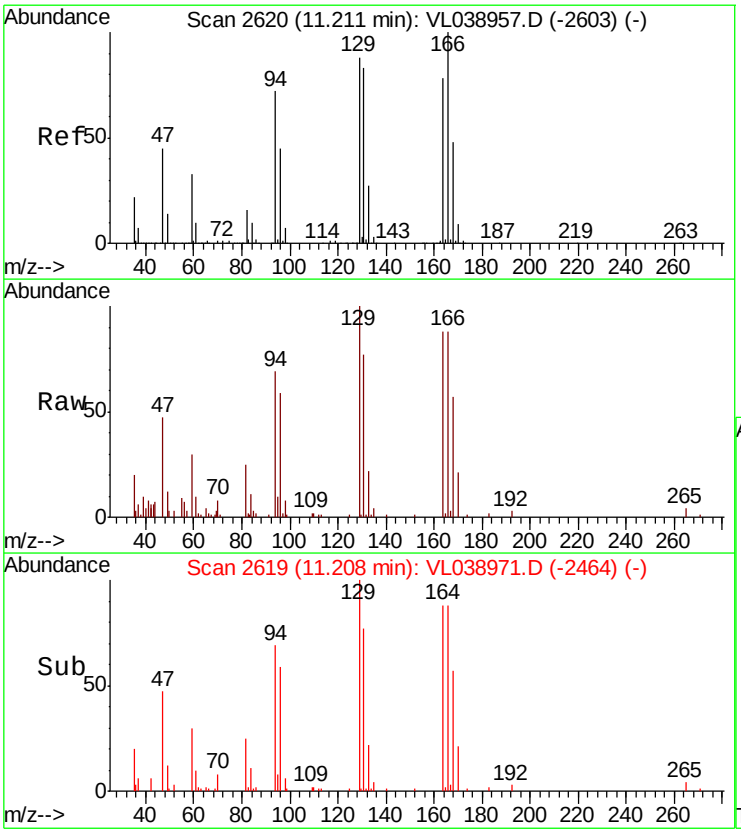
#51
2-Hexanone
Concen: 3.999 ppbv
RT: 10.12
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 659596

Ion	Ratio	Lower	Upper
43	100		
58	48.3	39.3	58.9
98	0.1	0.2	0.2#

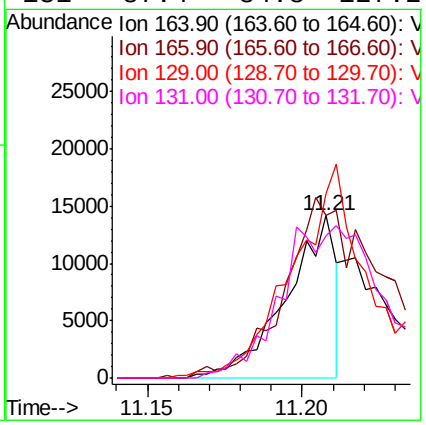


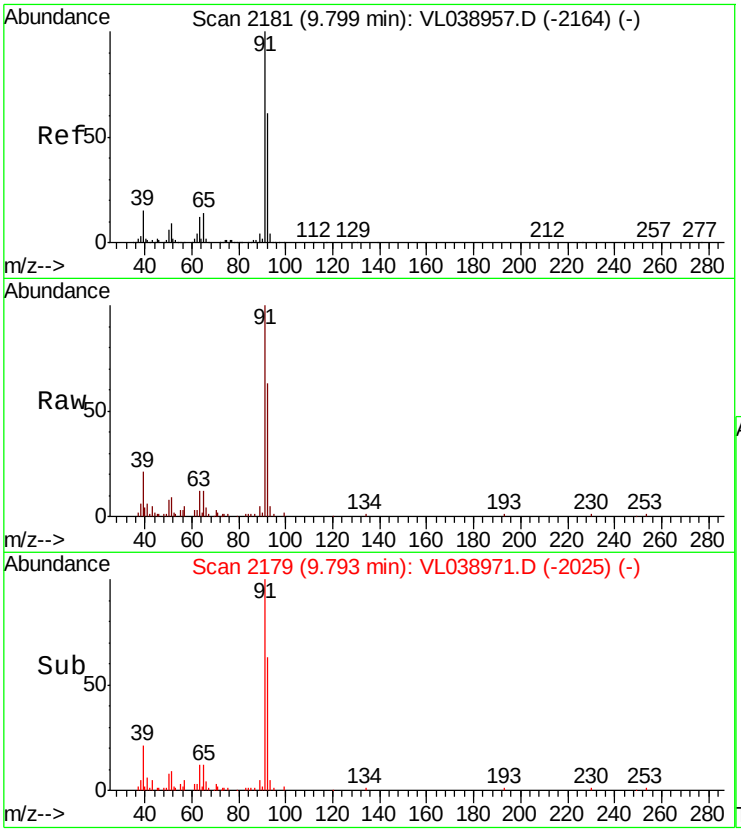


#52
Tetrachloroethene
Concen: 0.203 ppbv
RT: 11.21 min Scan# 2619
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:164 Resp: 15699

Ion	Ratio	Lower	Upper
164	100		
166	100.0	102.5	153.7#
129	113.4	90.1	135.1
131	87.4	84.8	127.2



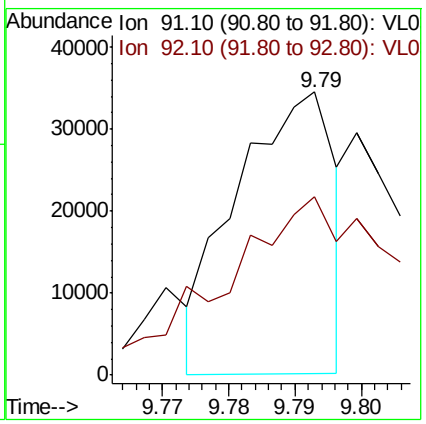


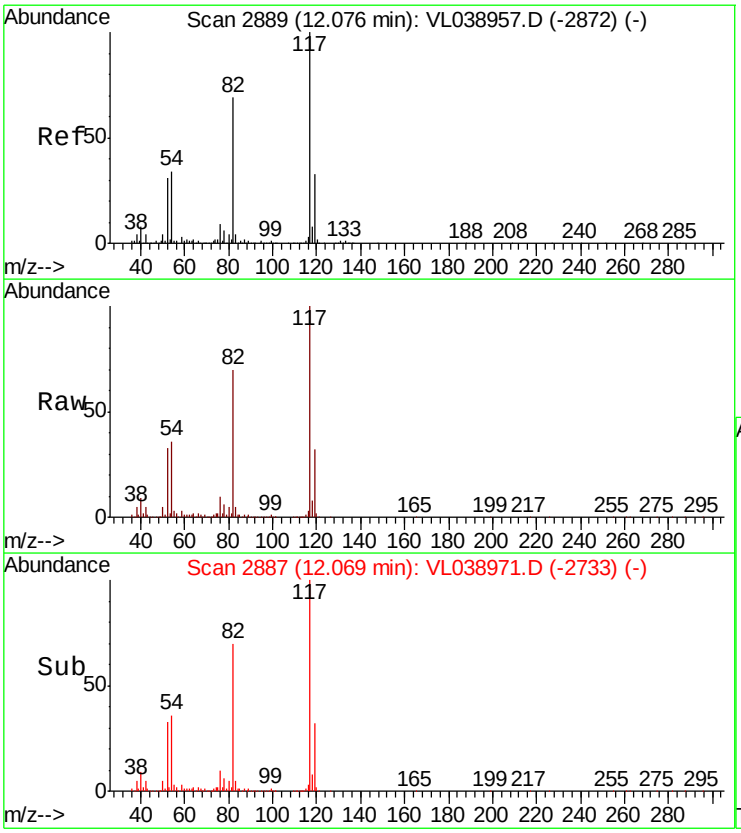
#53
Toluene
Concen: 0.146 ppbv
RT: 9.79
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 35467

Ion	Ratio	Lower	Upper
91	100		
92	130.3	48.2	72.2#

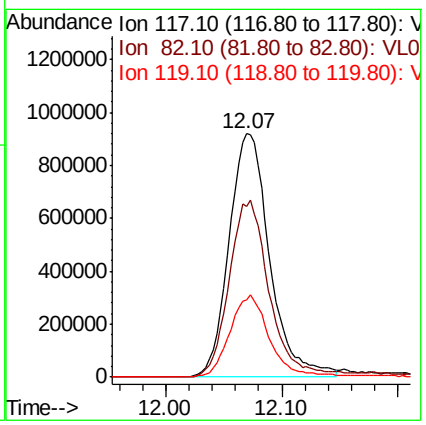


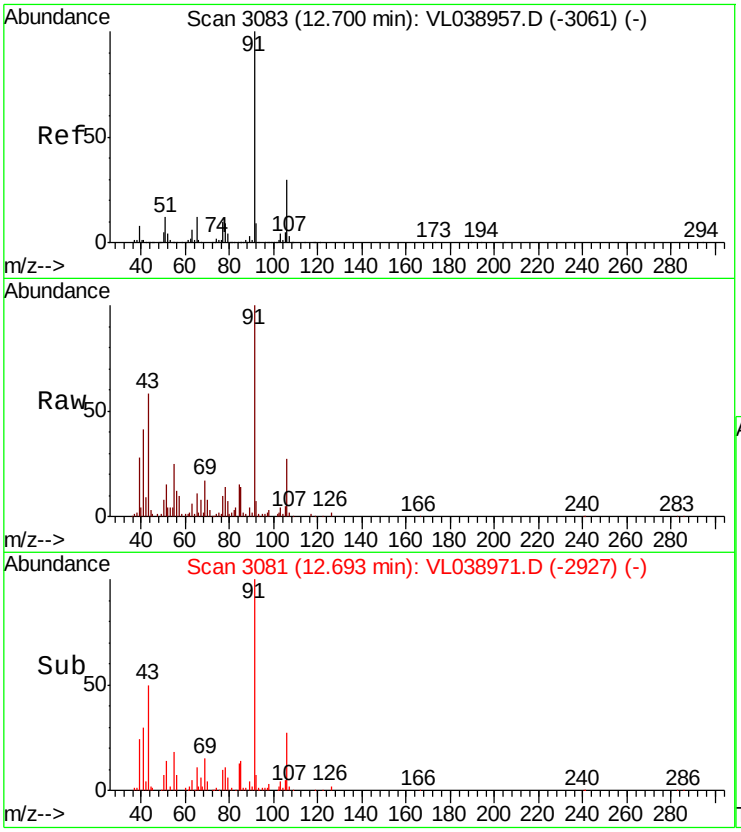


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:117 Resp: 2232176

Ion	Ratio	Lower	Upper
117	100		
82	75.3	57.0	85.6
119	33.5	27.2	40.8



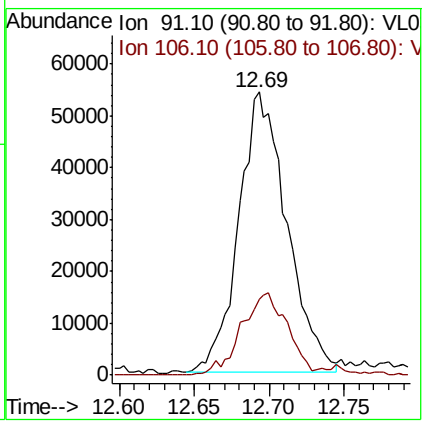


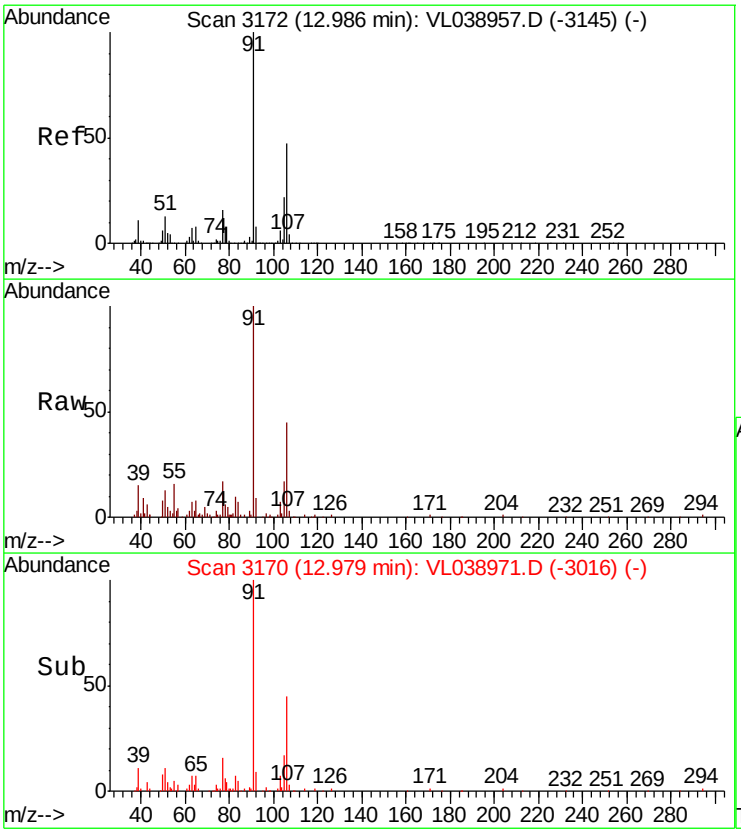
#58
Ethyl Benzene
Concen: 0.376 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 120907

Ion	Ratio	Lower	Upper
91	100		
106	27.1	24.2	36.4

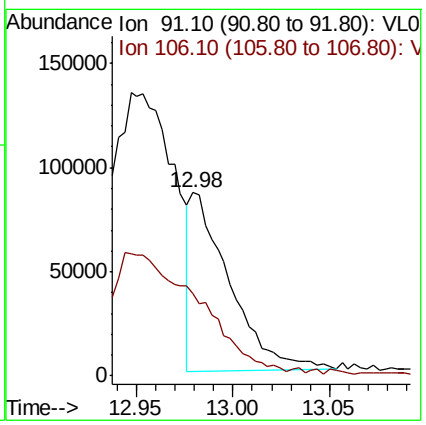


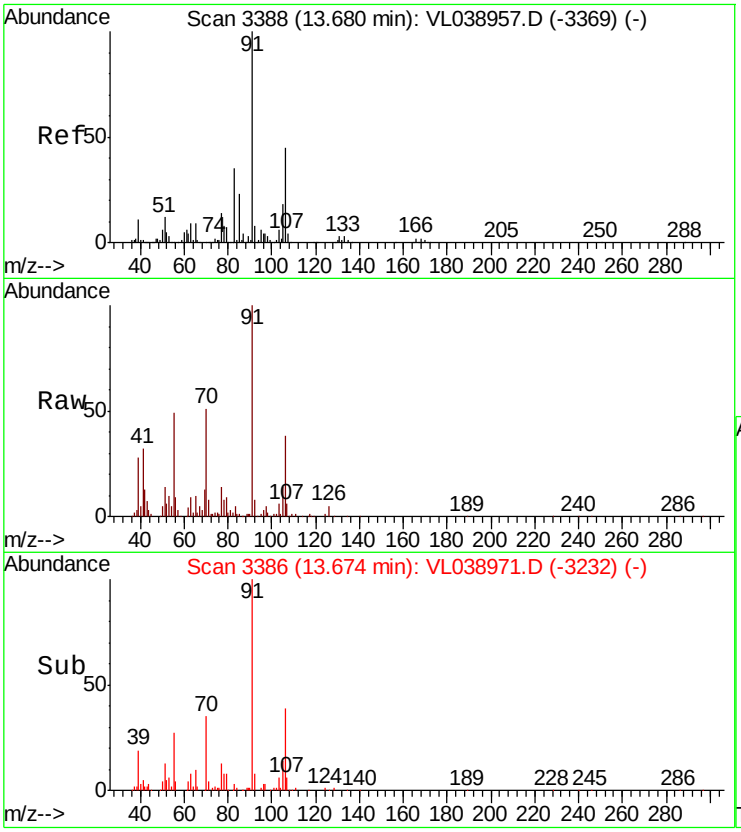


#59
m/p-Xylene
Concen: 0.436 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion: 91 Resp: 119588

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	52.0#



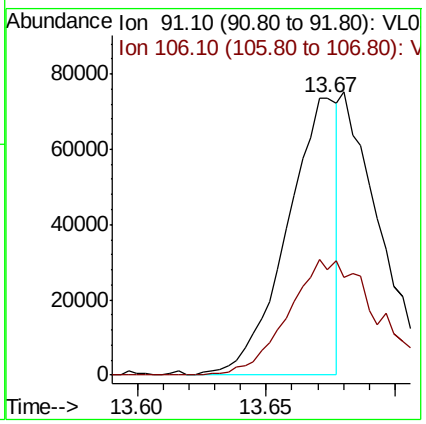


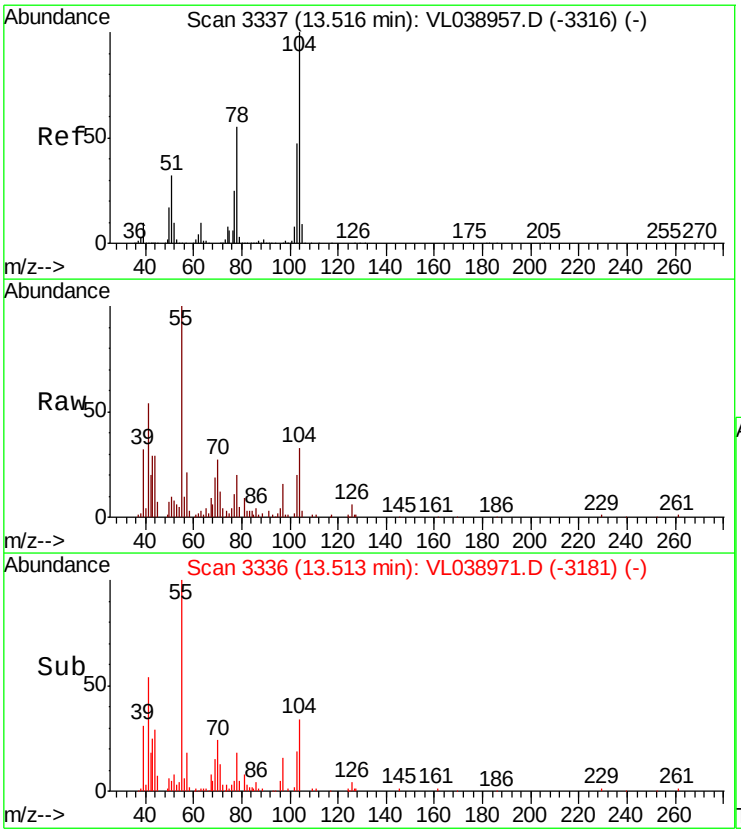
#60
o-Xylene
Concen: 0.387 ppbv
RT: 13.67
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 99934

Ion	Ratio	Lower	Upper
91	100		
106	76.1	22.2	66.6#

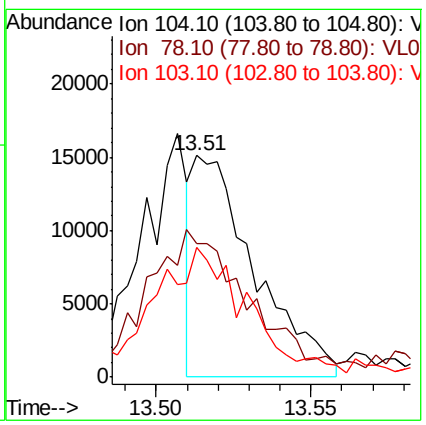


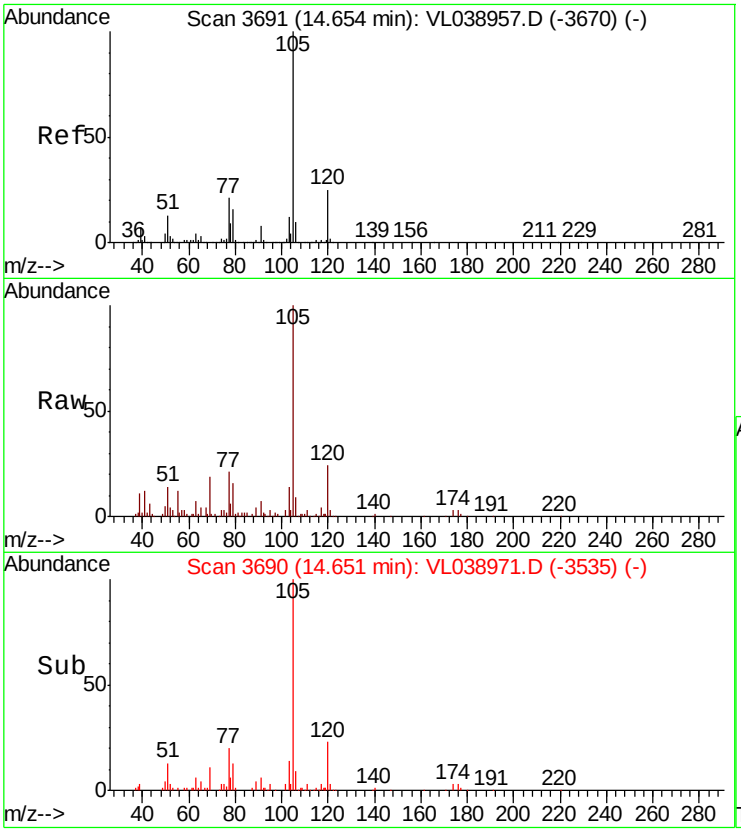


#61
Styrene
Concen: 0.152 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:104 Resp: 20977

Ion	Ratio	Lower	Upper
104	100		
78	116.6	46.4	69.6#
103	96.0	39.3	58.9#



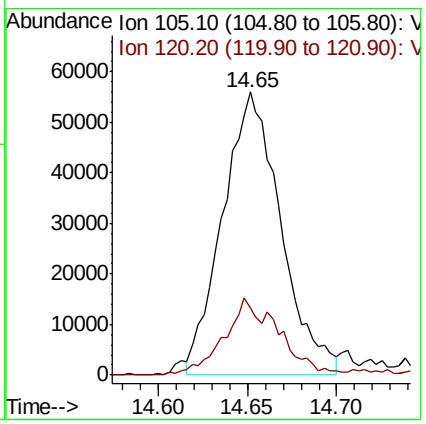


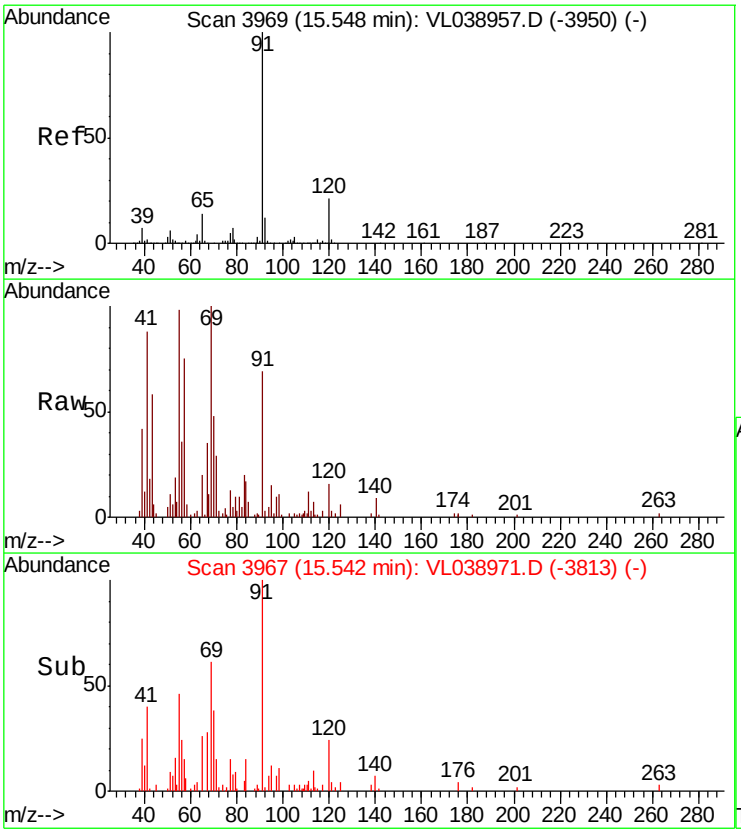
#62
Isopropylbenzene
Concen: 0.385 ppbv
RT: 14.65
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 126799

Ion	Ratio	Lower	Upper
105	100		
120	27.2	20.5	30.7

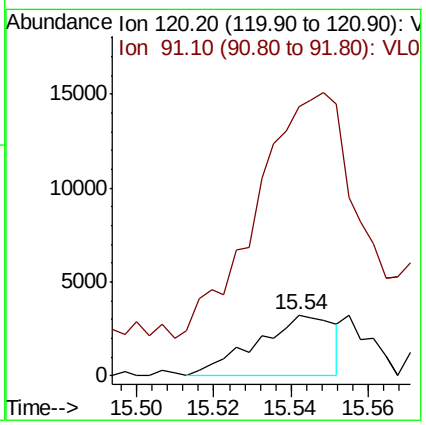


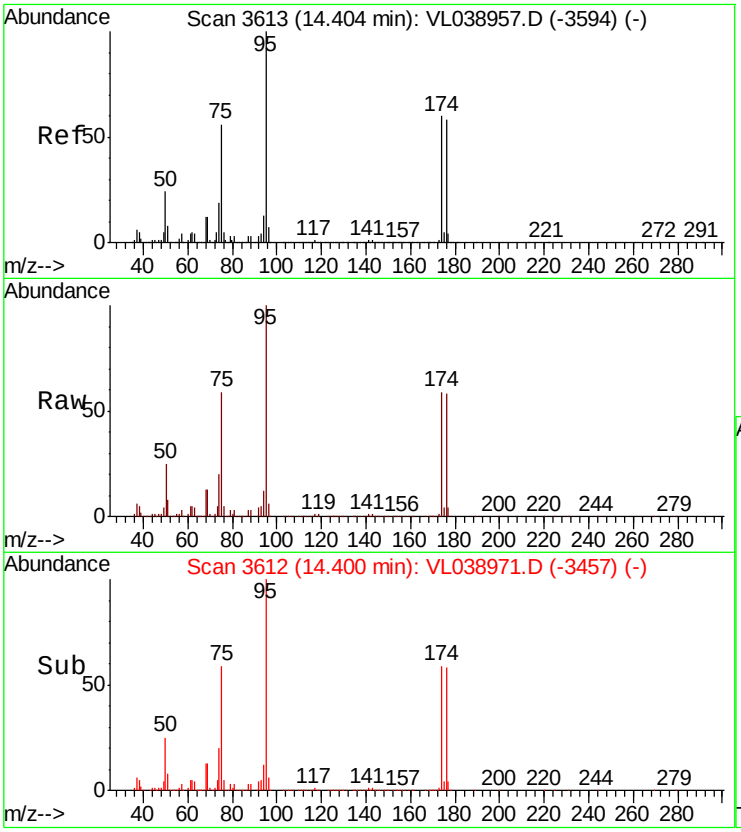


#64
n-propylbenzene
Concen: 0.049 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:120 Resp: 4497

Ion	Ratio	Lower	Upper
120	100		
91	0.0	400.6	601.0#



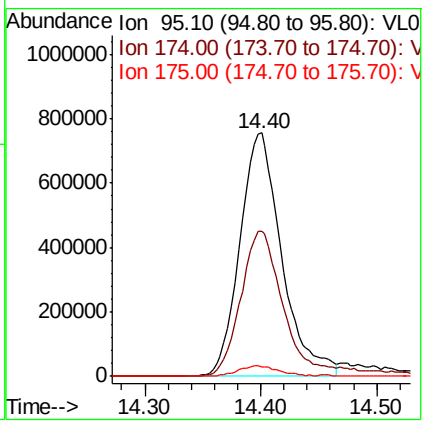


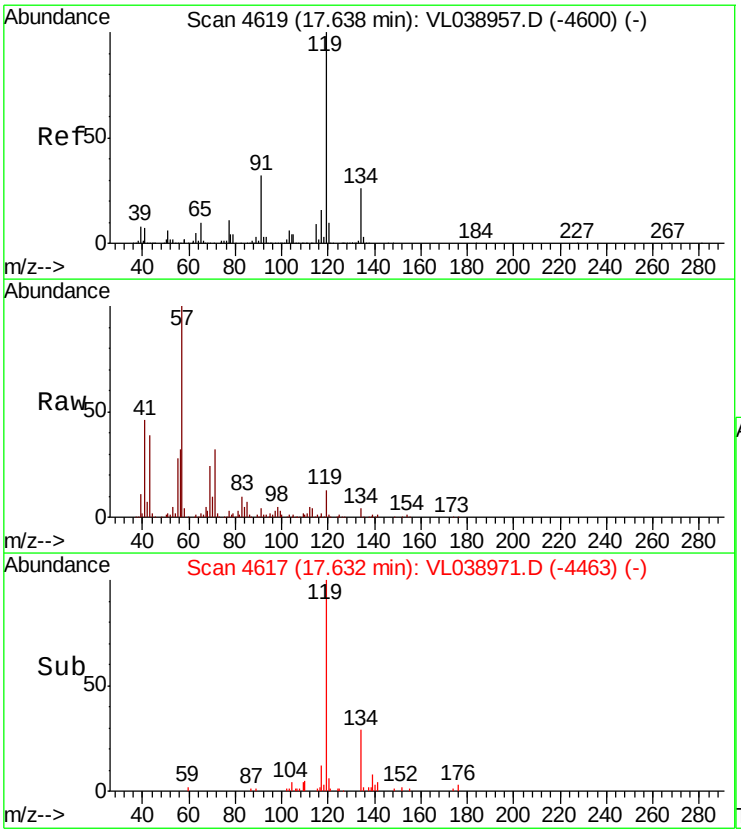
#68
1-Bromo-4-Fluorobenzene
Concen: 10.727 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 1896291

Ion	Ratio	Lower	Upper
95	100		
174	64.9	50.8	76.2
175	4.8	3.8	5.6

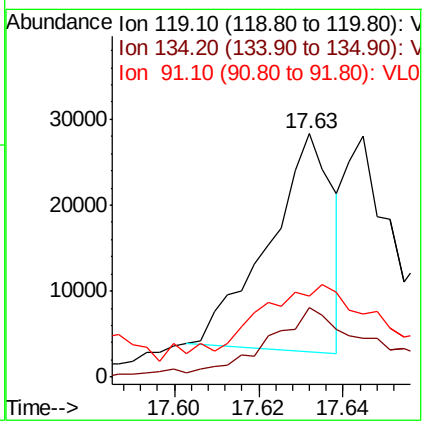


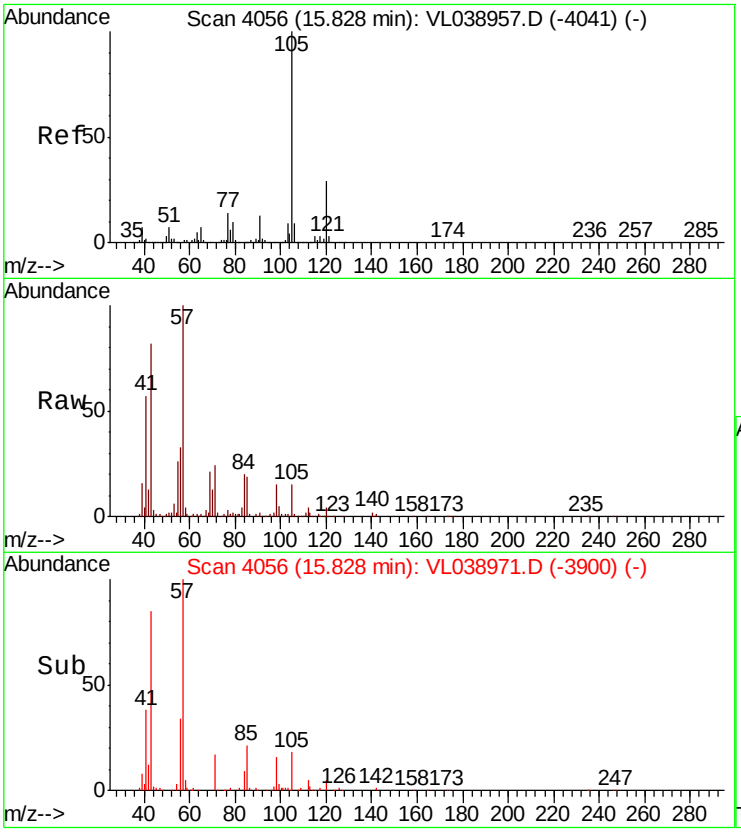


#69
p-Isopropyltoluene
Concen: 0.070 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. -0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:119 Resp: 26710

Ion	Ratio	Lower	Upper
119	100		
134	58.1	20.0	30.0#
91	94.1	24.8	37.2#



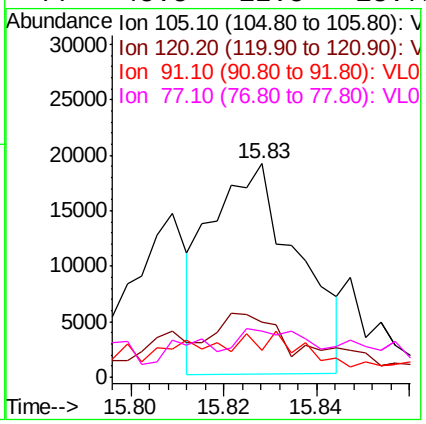


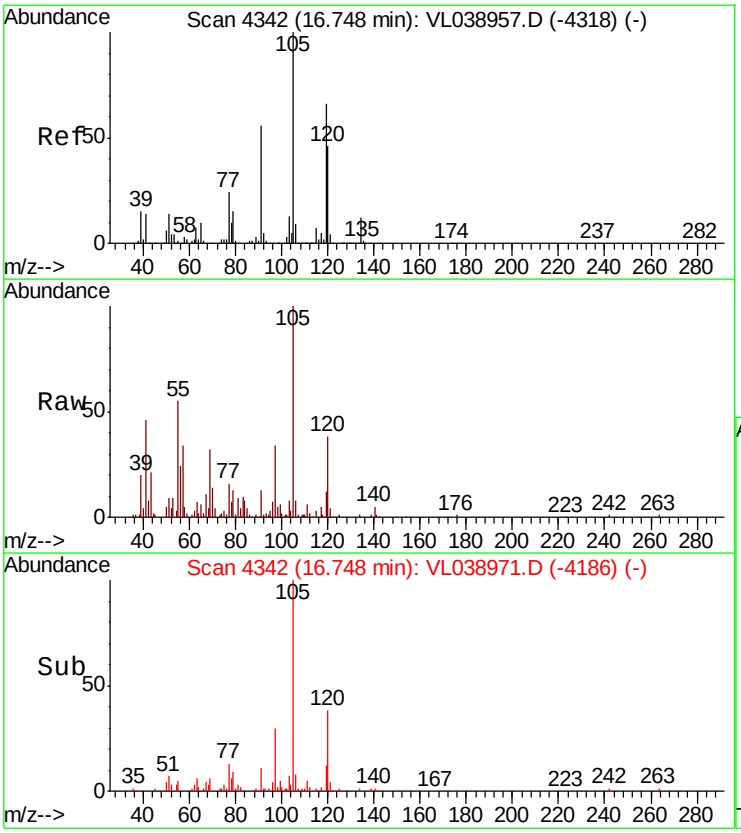
#72
4-Ethyltoluene
Concen: 0.084 ppbv
RT: 15.83
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:105 Resp: 24733

Ion	Ratio	Lower	Upper
105	100		
120	53.4	23.4	35.0#
91	25.5	10.6	16.0#
77	45.5	12.5	18.7#

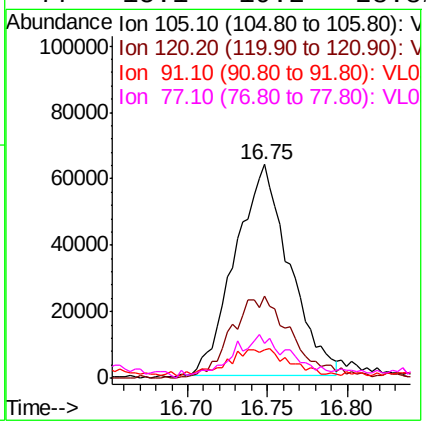


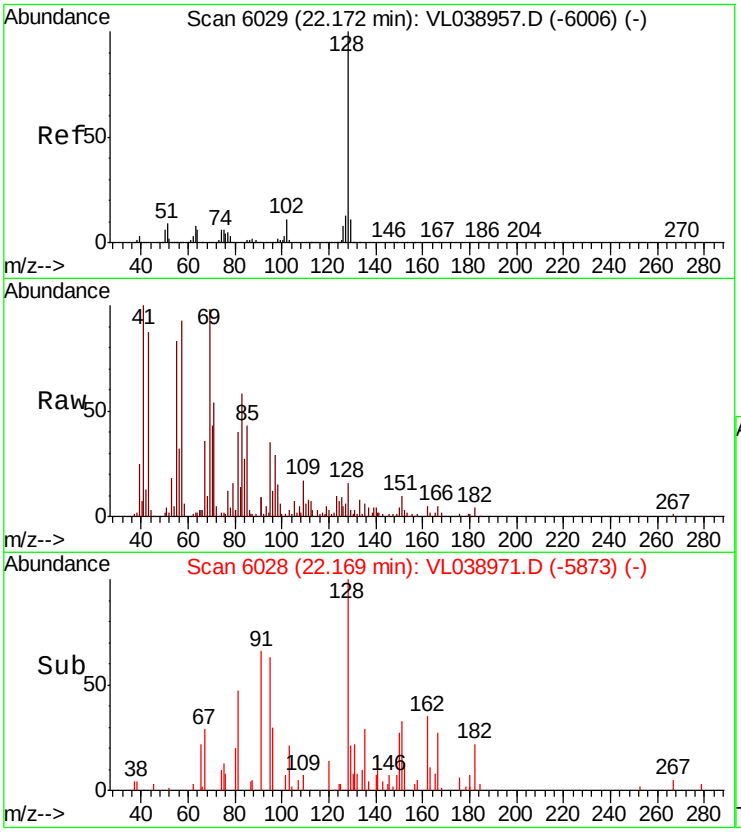


#74
1,2,4-Trimethylbenzene
Concen: 0.516 ppbv
RT: 16.75 min Scan# 4342
Delta R.T. 0.00 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:105 Resp: 149484

Ion	Ratio	Lower	Upper
105	100		
120	38.4	36.9	55.3
91	11.6	45.0	67.4#
77	15.1	19.2	28.8#



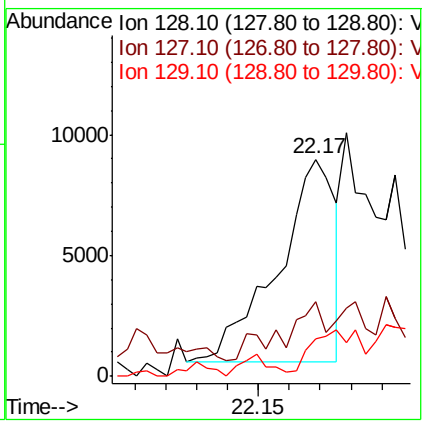


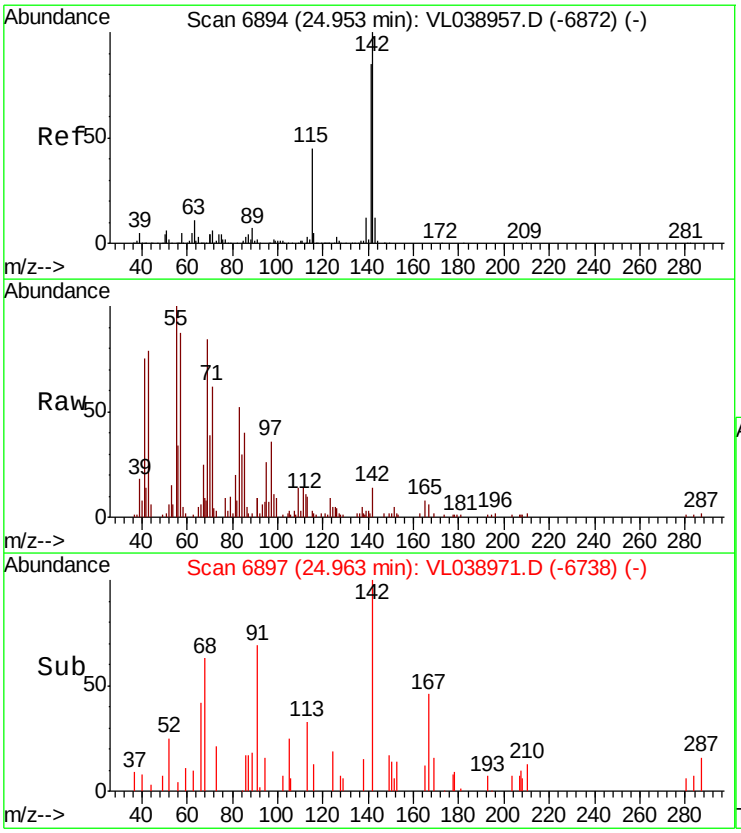
#79
Naphthalene
Concen: 0.046 ppbv
RT: 22.17
Delta R.T
Lab File:
Acq: 5 May 2022 14:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:128 Resp: 10749

Ion	Ratio	Lower	Upper
128	100		
127	24.6	10.2	15.2#
129	16.0	8.9	13.3#





#80
Naphthalene,2-methyl-
Concen: 0.059 ppbv
RT: 24.96 min Scan# 6897
Delta R.T. 0.01 min
Lab File: VL038971.D
Acq: 5 May 2022 14:01

Tgt Ion:142 Resp: 4228

Ion	Ratio	Lower	Upper
142	100		
141	0.0	70.8	106.2#
115	12.8	35.1	52.7#