Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039101.D
Acq On : 24 May 2022 2:23
Operator : SY/AP
Sample : N2957-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : VP-1DL

Quant Time: May 24 06:04:13 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1290590	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.15	114	3488254	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.06	117	3072370	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	2304056	9.47	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.04	85	80219	0.397	ppbv		93
3) Chlorodifluoromethane	2.98	51	26442	0.165	ppbv	#	84
4) Chloromethane	3.14	50	7044	0.088	ppbv	#	41
9) Propene	3.01	41	108281	1.548	ppbv		87
10) Heptane	8.10	43	20957	0.122	ppbv	#	1
13) Ethanol	3.60	45	10232	2.067	ppbv	#	1
15) Acetone	3.84	43	1109413	9.113	ppbv		95
16) 1,3-Butadiene	3.35	39	27635	0.395	ppbv	#	55
17) tert-Butyl alcohol	4.29	59	7544	0.081	ppbv	#	70
19) Isopropyl Alcohol	3.96	45	22139	0.382	ppbv	#	95
20) Methylene Chloride	4.33	84	161133	3.512	ppbv		94
23) Vinyl Acetate	5.06	43	4710	0.049	ppbv	#	1
25) Ethyl Acetate	5.67	43	146528	0.503	ppbv	#	78
26) Hexane	5.67	57	217522	1.680	ppbv	#	38
27) Carbon Disulfide	4.54	76	39757	0.323	ppbv	#	89
29) Chloroform	5.74	83	189420	0.904	ppbv		94
30) Cyclohexane	7.10	84	13094	0.121	ppbv	#	4
34) 2-Butanone	5.23	43	222411	1.250	ppbv		94
36) Benzene	6.87	78	117292	0.393	ppbv	#	91
38) Trichloroethene	7.81	130	10376	0.078	ppbv	#	88
39) 1,2-Dichloropropane	7.15	63	825647	7.108	ppbv	#	26
41) Tetrahydrofuran	6.04	42	9132	0.076	ppbv	#	1
44) 2,2,4-Trimethylpentane	7.84	57	51510	0.098	ppbv	#	24
50) 4-Methyl-2-Pentanone	8.73	43	51965	0.167	ppbv		89
52) Tetrachloroethene	11.20	164	222985	2.090	ppbv		93
53) Toluene	9.78	91	583186	1.743	ppbv		99
57) Chlorobenzene	12.12	112	58550	0.254	ppbv	#	86
58) Ethyl Benzene	12.69	91	156925	0.355	ppbv	#	86
59) m/p-Xylene	12.94	91	476331	1.262	ppbv		92
60) o-Xylene	13.66	91	205666	0.579	ppbv		99
72) 4-Ethyltoluene	15.81	105	87243	0.216	ppbv	#	97
73) 1,3,5-Trimethylbenzene	15.96	105	24938	0.068	ppbv		98
74) 1,2,4-Trimethylbenzene	16.73	105	316702	0.794	ppbv	#	67
79) Naphthalene	22.16	128	18112	0.056	ppbv	#	90
80) Naphthalene,2-methyl-	24.95	142	4036	0.041	ppbv	#	39

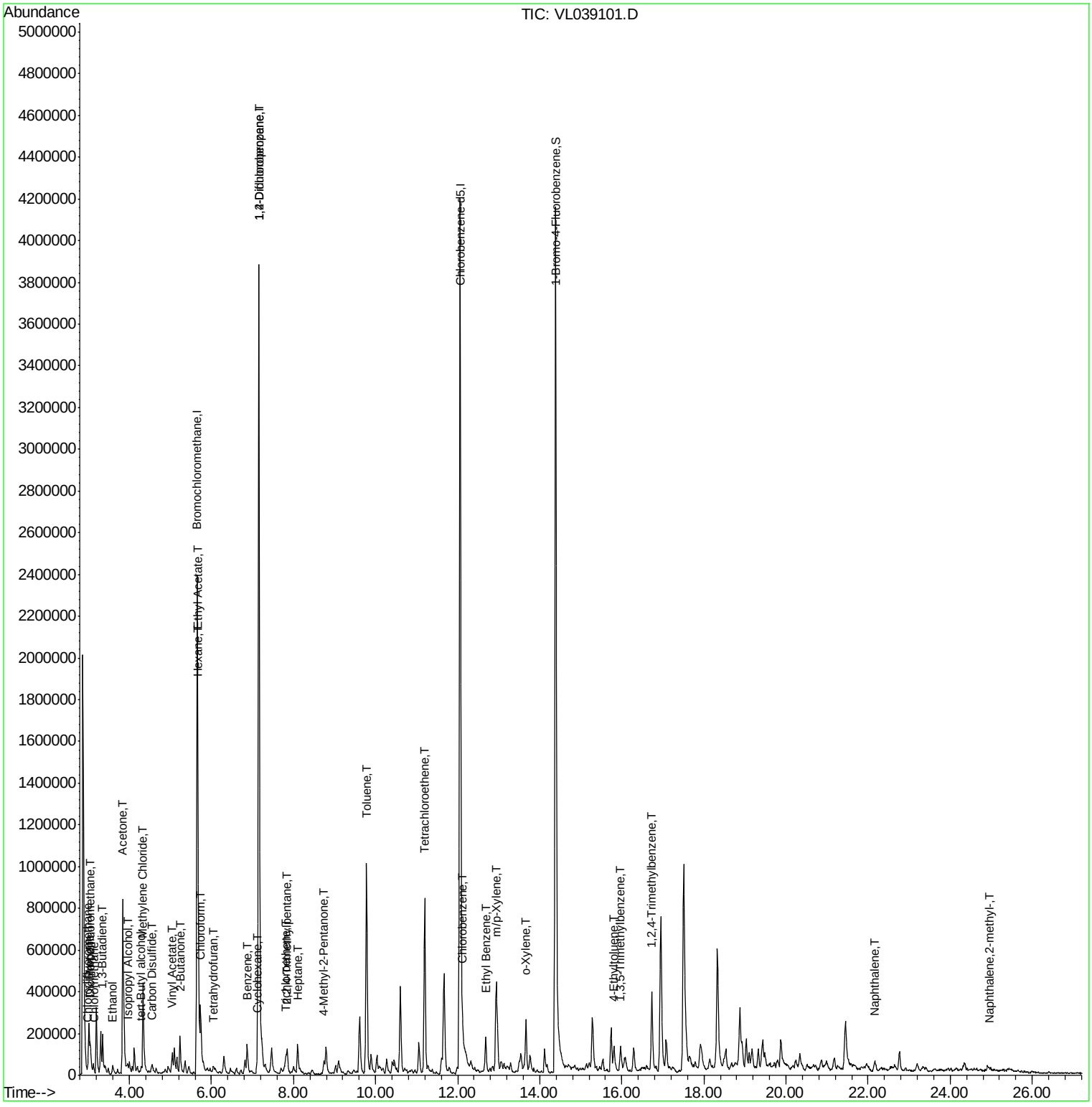
(#) = qualifier out of range (m) = manual integration (+) = signals summed

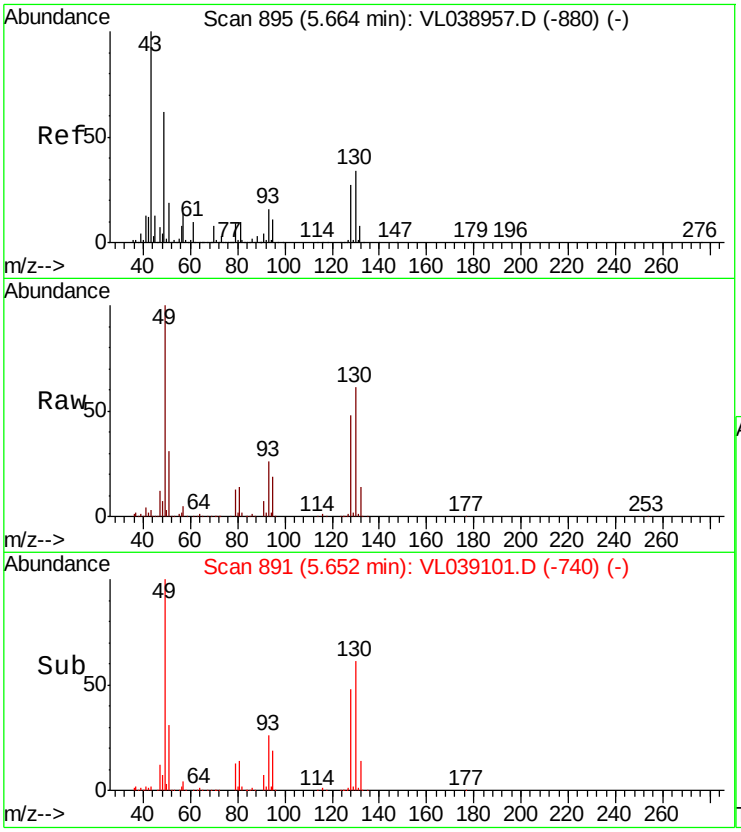
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039101.D
Acq On : 24 May 2022 2:23
Operator : SY/AP
Sample : N2957-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Quant Time: May 24 06:04:13 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050522AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu May 05 10:12:15 2022
QLast Update : Thu May 05 10:12:15 2022
Response via : Initial Calibration



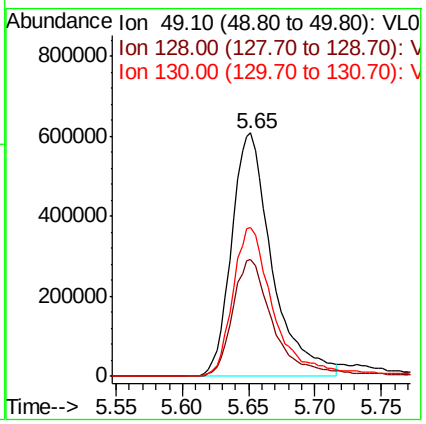


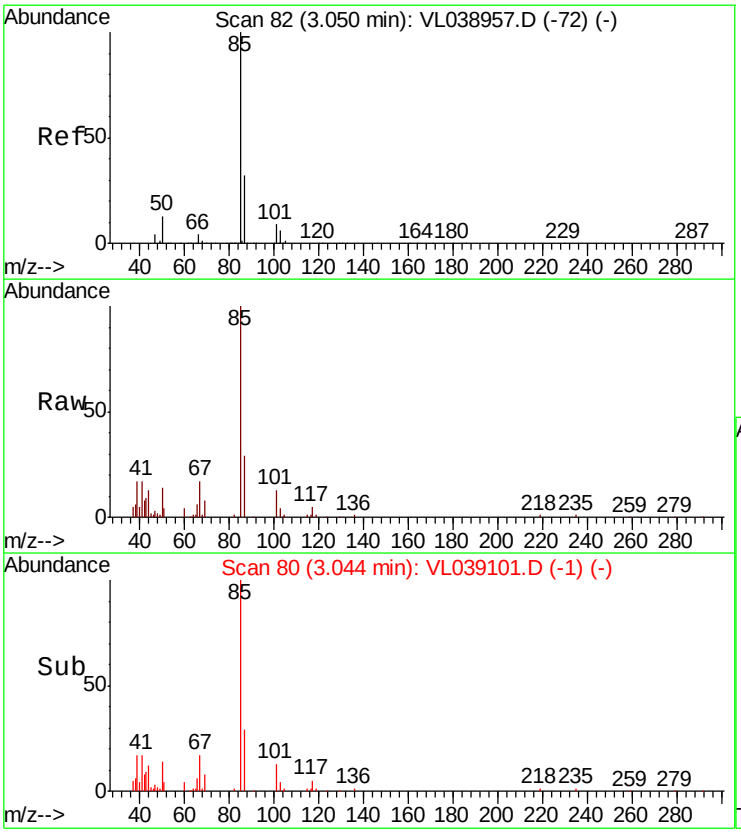
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 49 Resp: 1290590

Ion	Ratio	Lower	Upper
49	100		
128	49.1	23.3	69.8
130	64.3	29.8	89.3

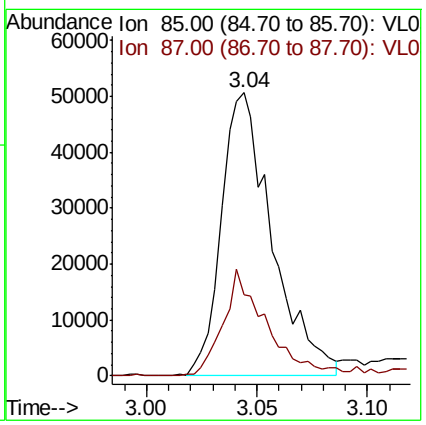


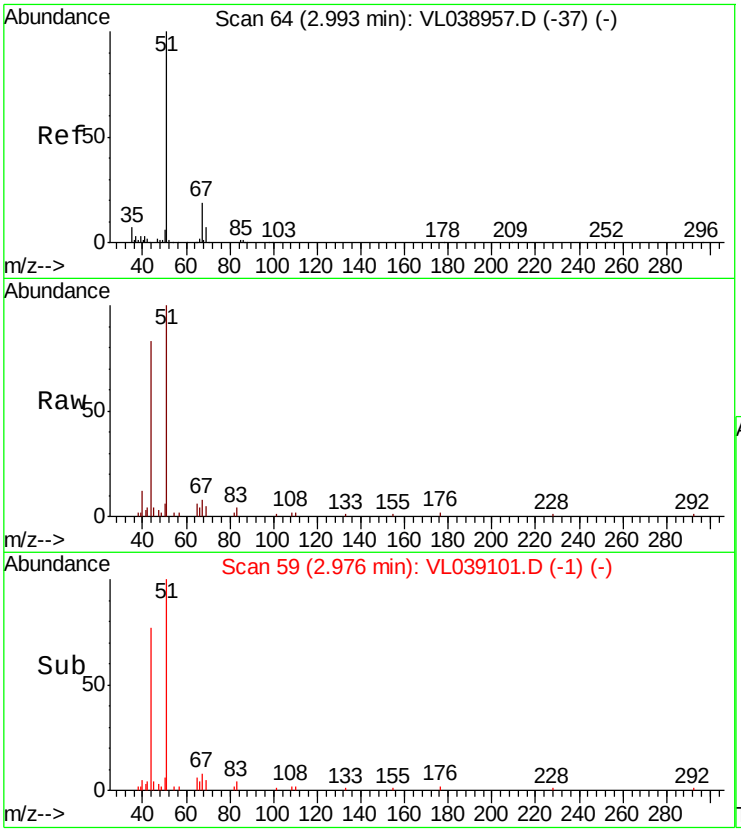


#2
Dichlorodifluoromethane
Concen: 0.397 ppbv
RT: 3.04 min Scan# 80
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 85 Resp: 80219

Ion	Ratio	Lower	Upper
85	100		
87	27.9	25.7	38.5



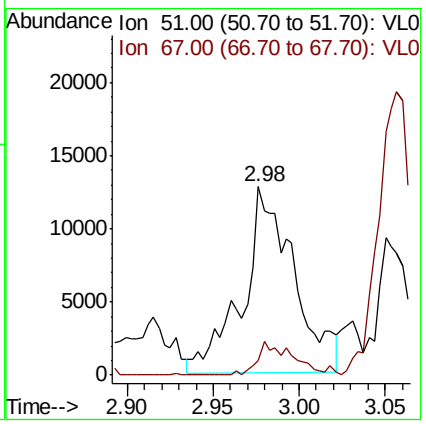


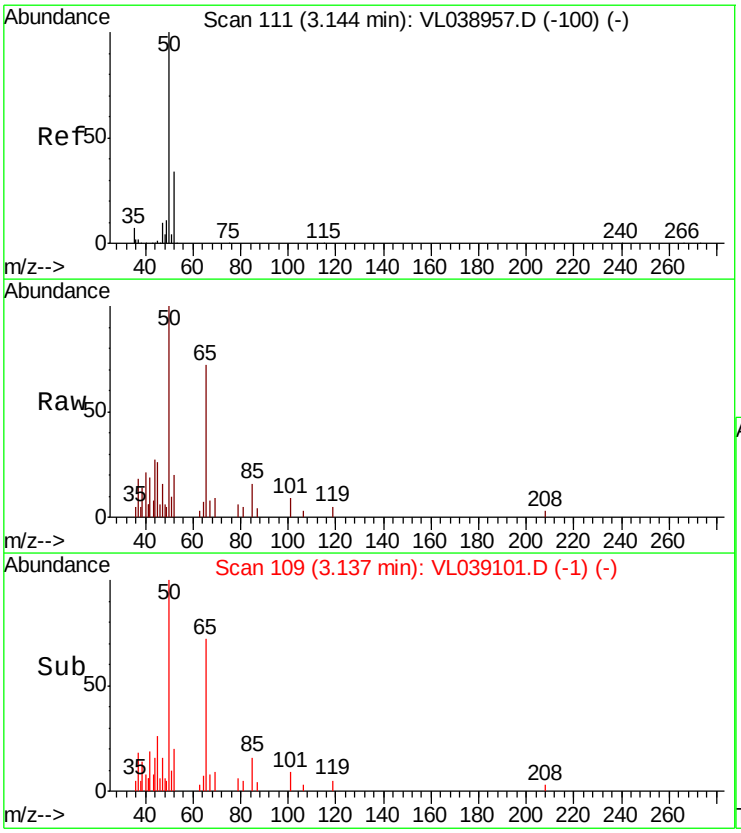
#3
Chlorodifluoromethane
Concen: 0.165 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 51 Resp: 26442

Ion	Ratio	Lower	Upper
51	100		
67	12.6	15.8	23.8#

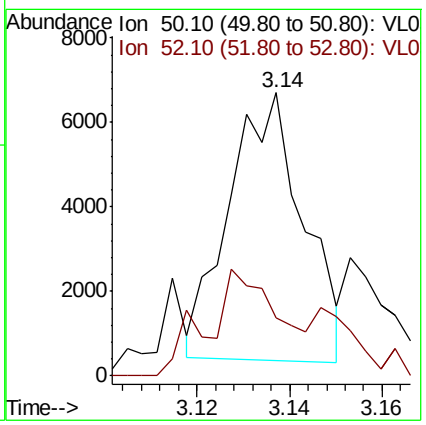


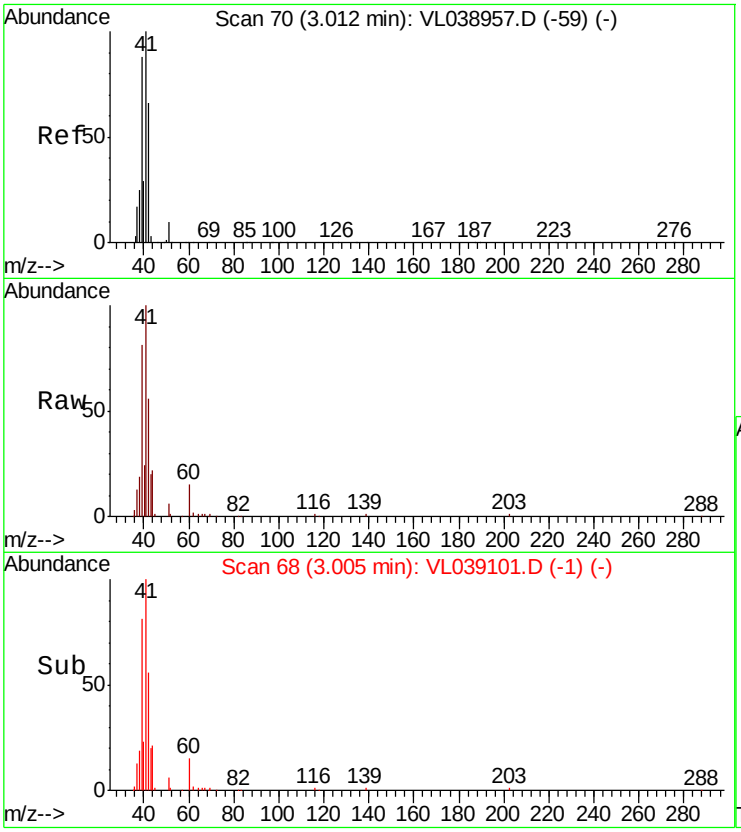


#4
Chloromethane
Concen: 0.088 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 50 Resp: 7044

Ion	Ratio	Lower	Upper
50	100		
52	0.0	27.3	40.9#



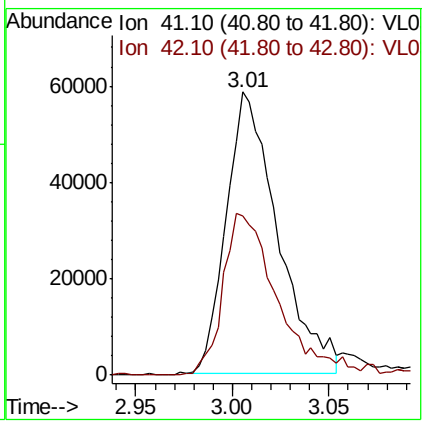


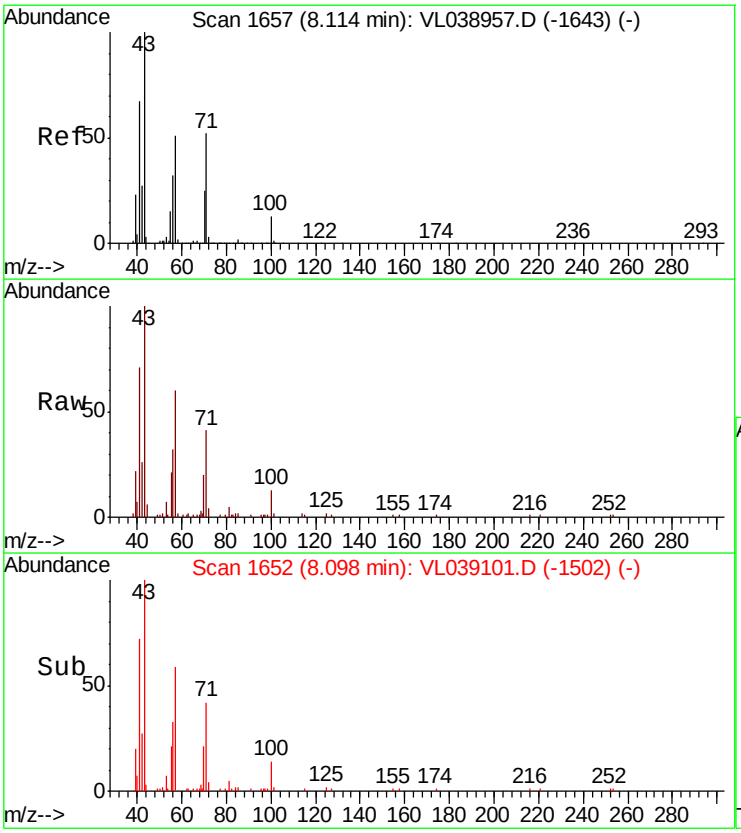
#9
Propene
Concen: 1.548 ppbv
RT: 3.01
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 41 Resp: 108281

Ion	Ratio	Lower	Upper
41	100		
42	62.4	58.3	87.5

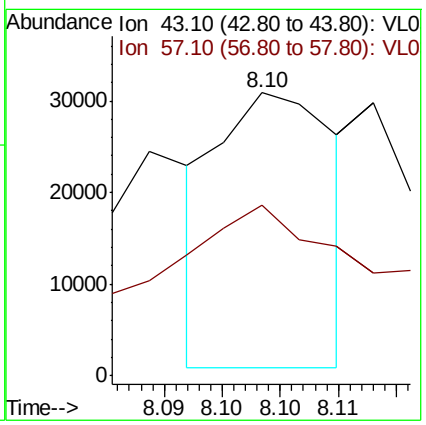


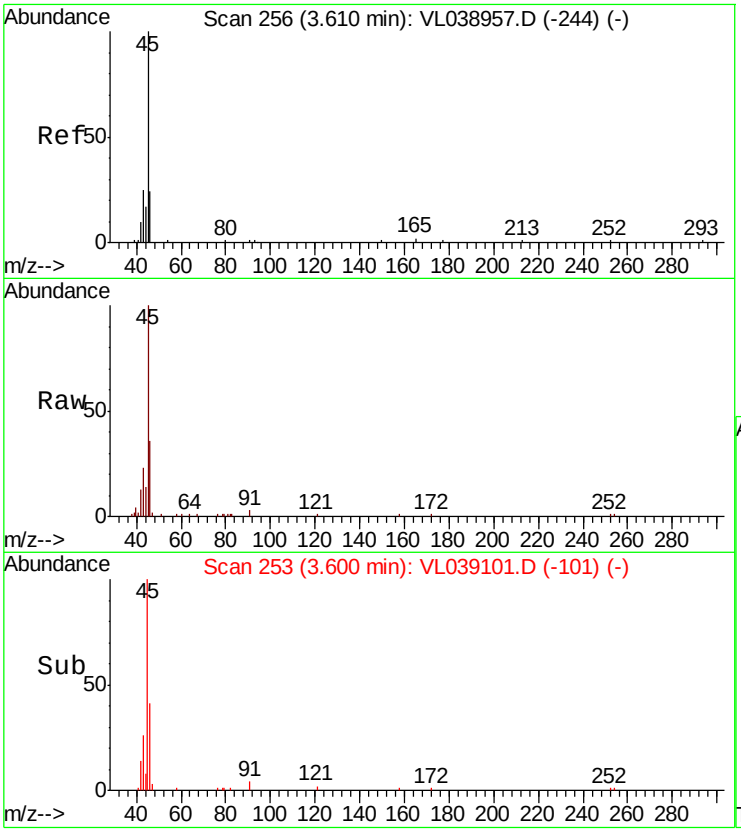


#10
Heptane
Concen: 0.122 ppbv
RT: 8.10 min Scan# 1652
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 43 Resp: 20957

Ion	Ratio	Lower	Upper
43	100		
57	174.1	40.5	60.7#



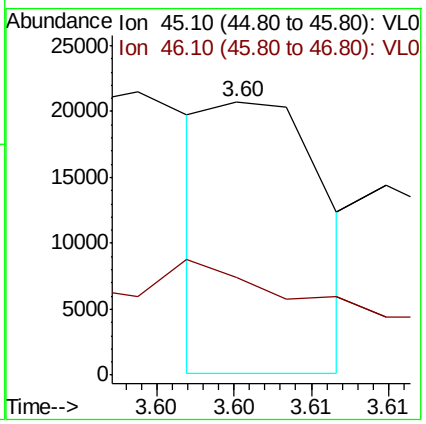


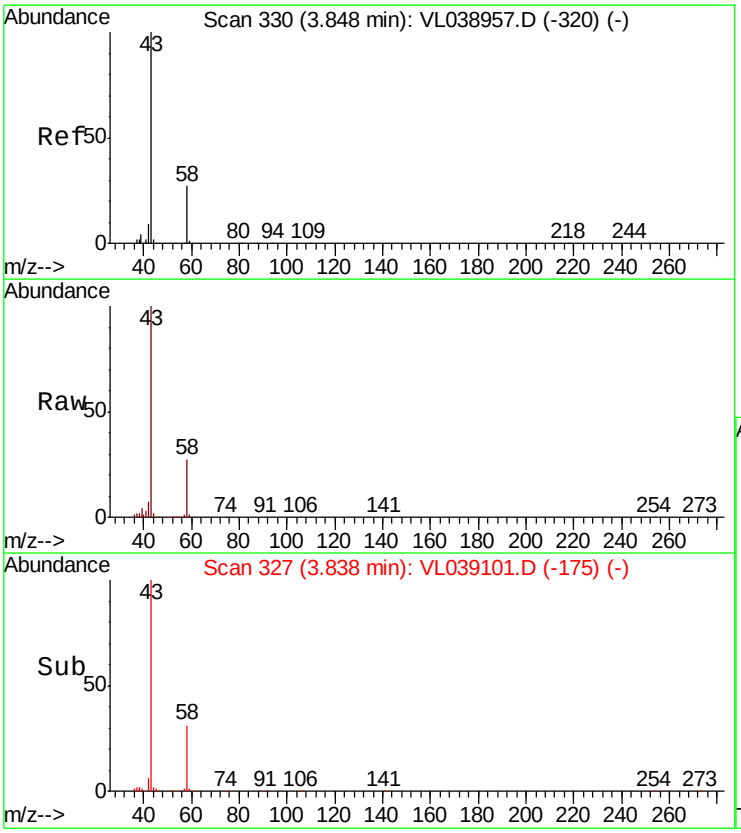
#13
Ethanol
Concen: 2.067 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 45 Resp: 10232

Ion	Ratio	Lower	Upper
45	100		
46	212.5	18.0	72.2#

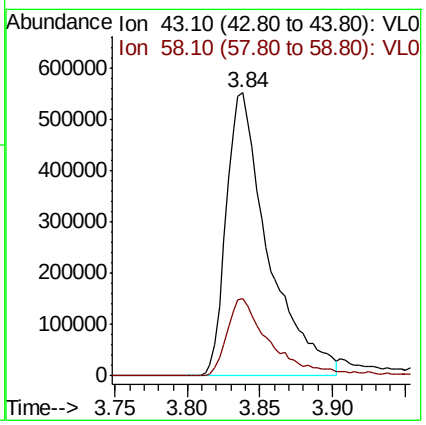


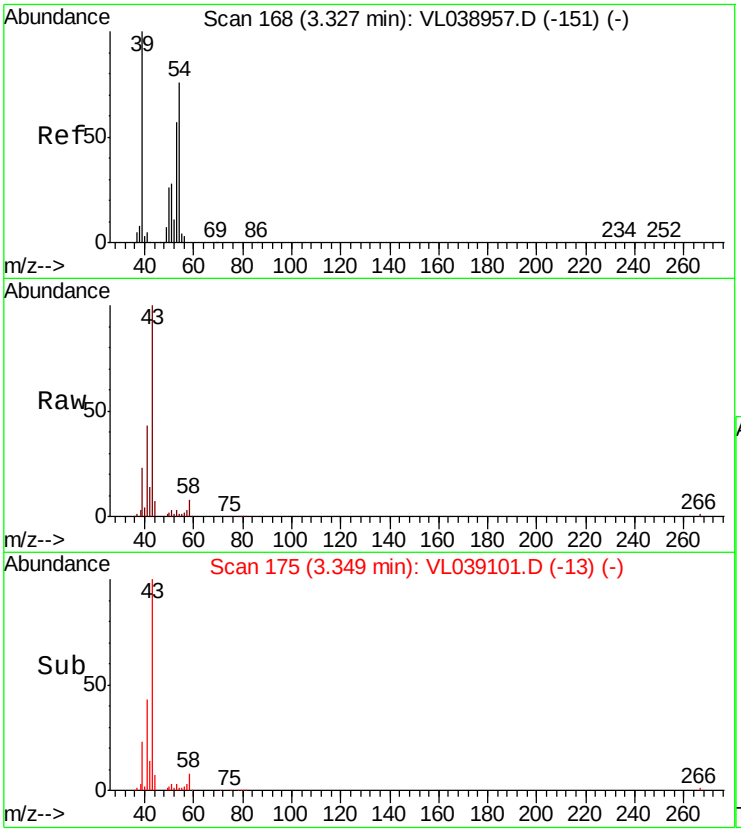


#15
Acetone
Concen: 9.113 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 43 Resp: 1109413

Ion	Ratio	Lower	Upper
43	100		
58	29.3	21.3	31.9



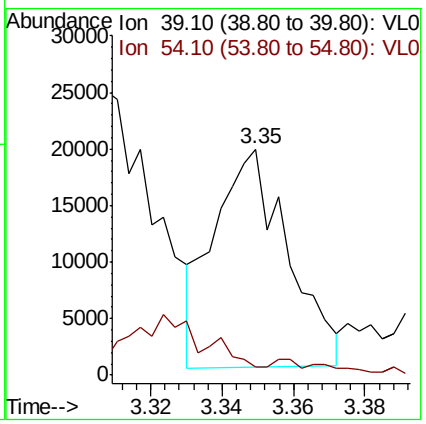


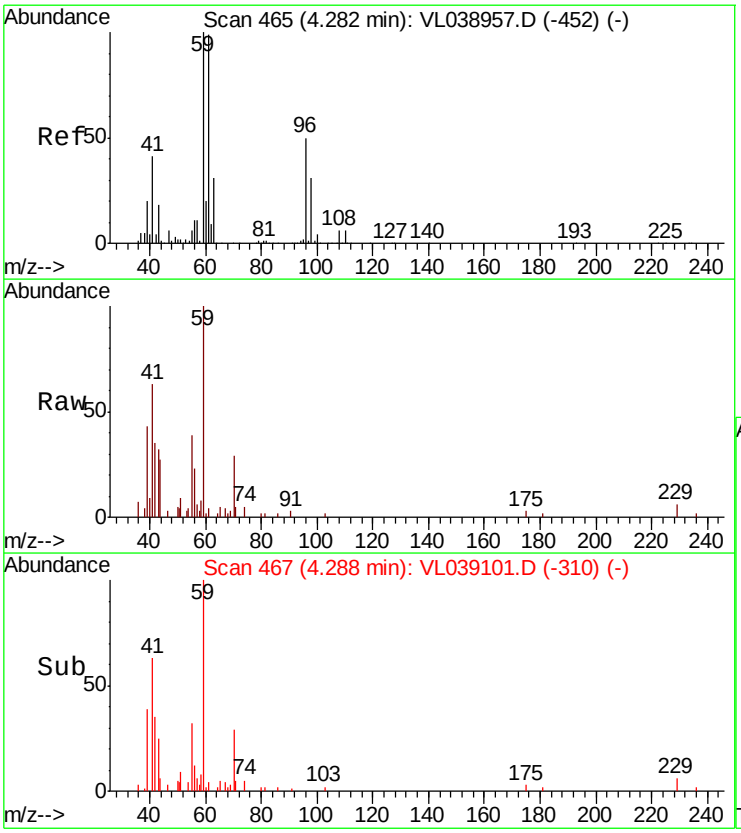
#16
1,3-Butadiene
Concen: 0.395 ppbv
RT: 3.35
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 39 Resp: 27635

Ion	Ratio	Lower	Upper
39	100		
54	41.8	65.2	97.8#

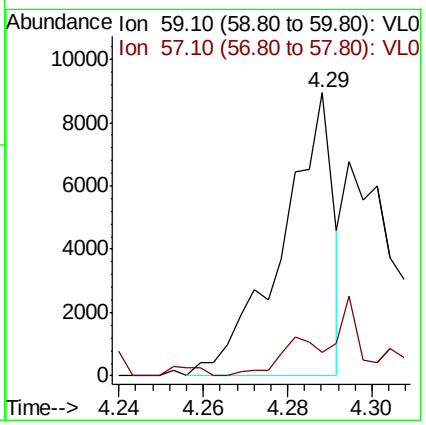


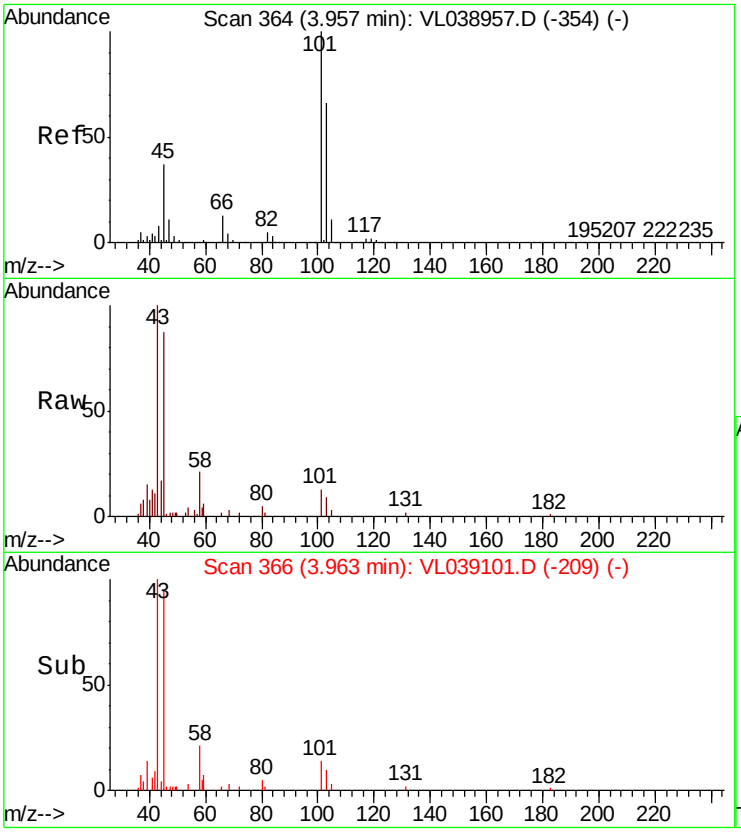


#17
tert-Butyl alcohol
Concen: 0.081 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 59 Resp: 7544

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.2	13.8#



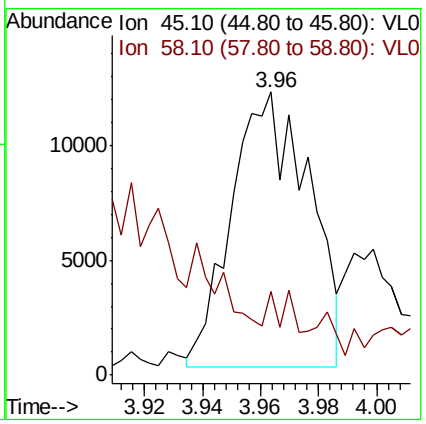


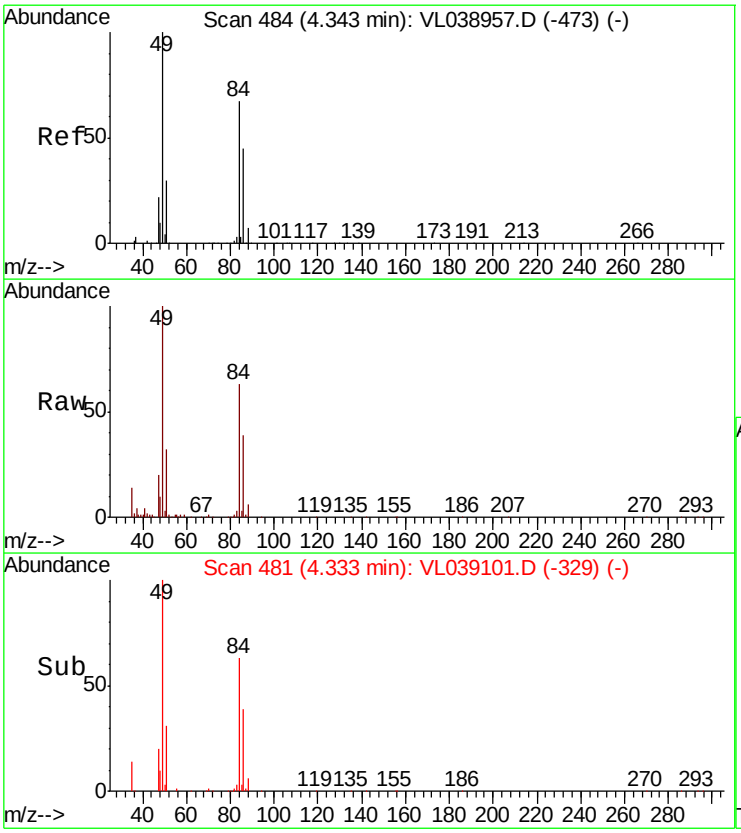
#19
Isopropyl Alcohol
Concen: 0.382 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 45 Resp: 22139

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

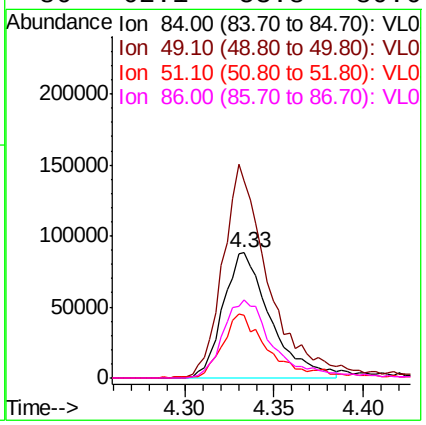


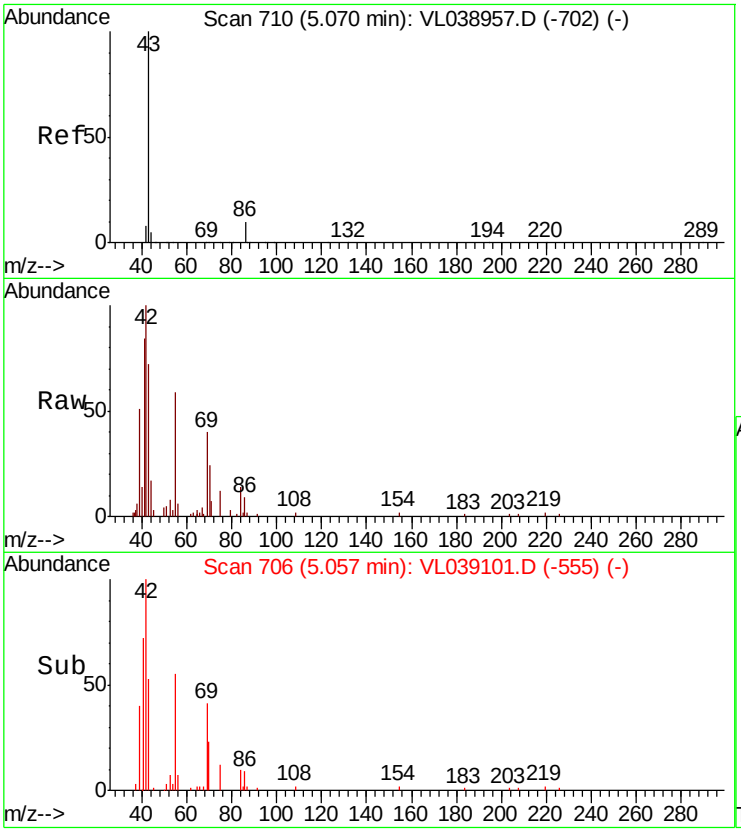


#20
Methylene Chloride
Concen: 3.512 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 84 Resp: 161133

Ion	Ratio	Lower	Upper
84	100		
49	157.4	119.9	179.9
51	49.1	35.7	53.5
86	62.1	53.8	80.6



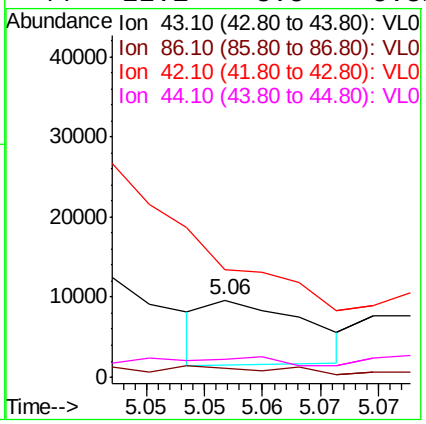


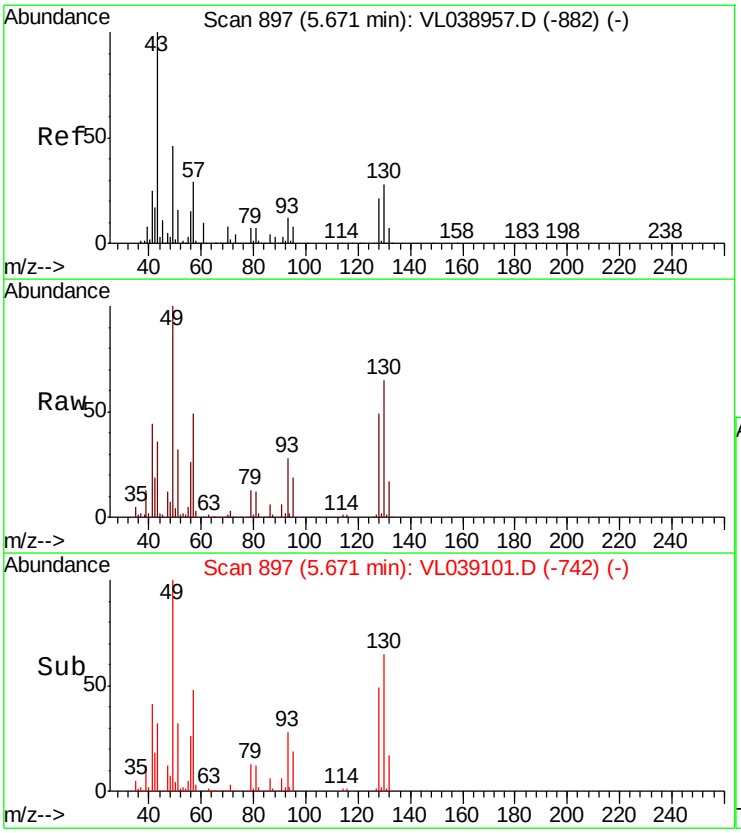
#23
Vinyl Acetate
Concen: 0.049 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 43 Resp: 4710

Ion	Ratio	Lower	Upper
43	100		
86	19.7	6.6	9.8#
42	128.3	8.1	12.1#
44	22.1	3.5	5.3#

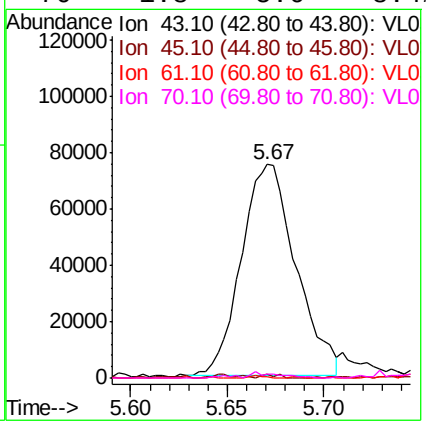


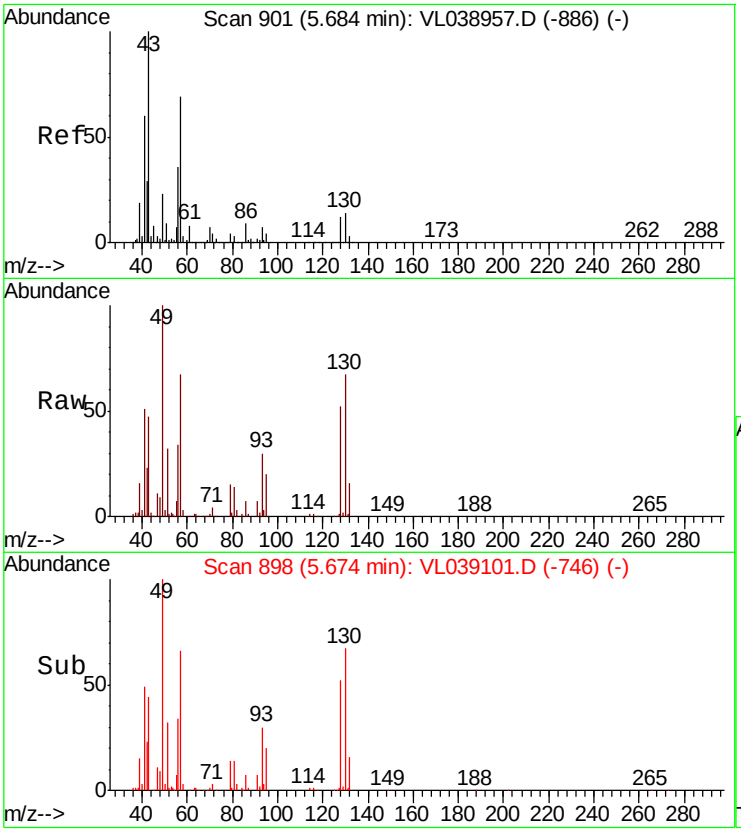


#25
Ethyl Acetate
Concen: 0.503 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 43 Resp: 146528

Ion	Ratio	Lower	Upper
43	100		
45	1.3	8.1	12.1#
61	0.5	7.8	11.6#
70	1.8	5.6	8.4#



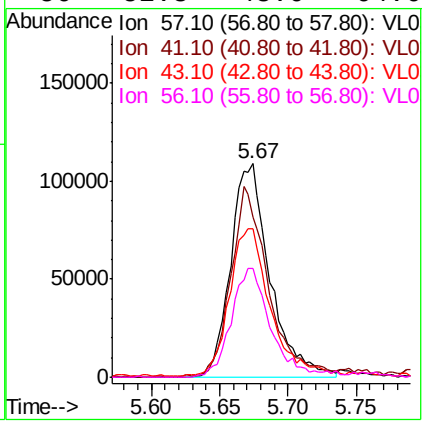


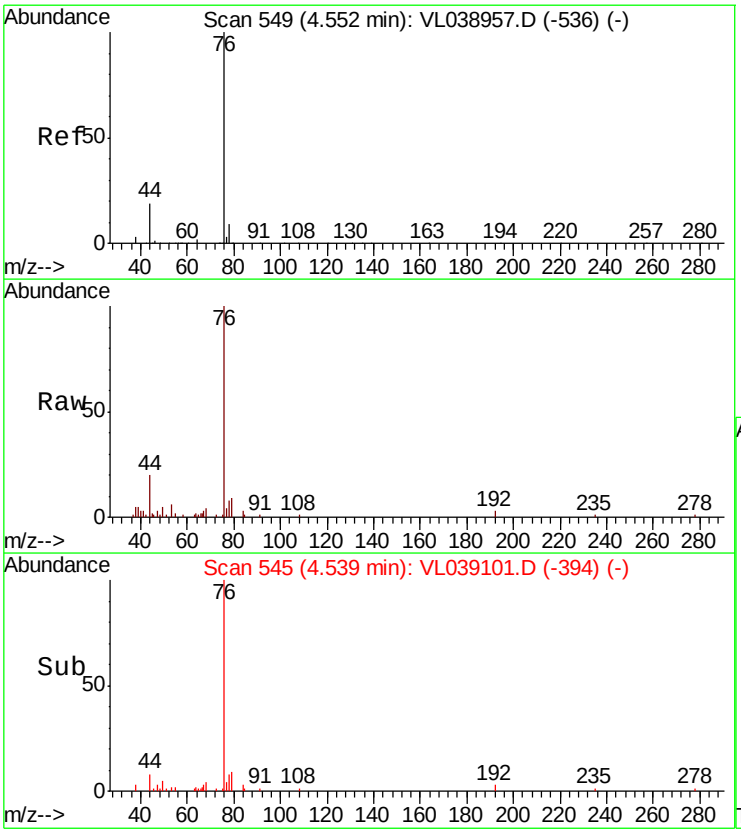
#26
Hexane
Concen: 1.680 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 57 Resp: 217522

Ion	Ratio	Lower	Upper
57	100		
41	87.3	75.2	112.8
43	73.9	190.8	286.2#
56	52.3	43.0	64.6

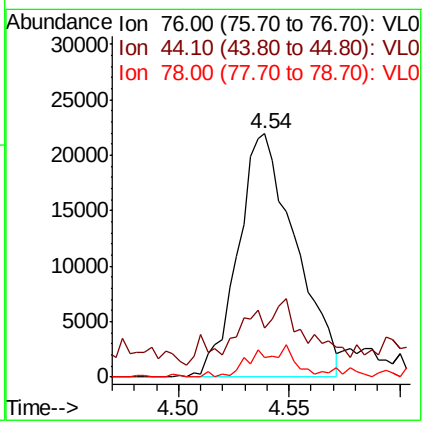


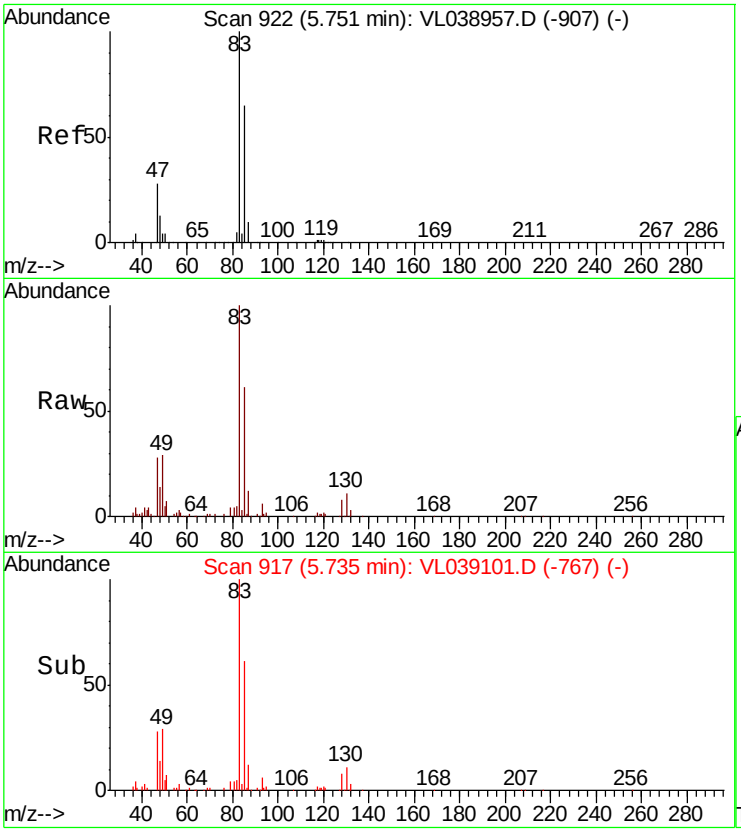


#27
Carbon Disulfide
Concen: 0.323 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 76 Resp: 39757

Ion	Ratio	Lower	Upper
76	100		
44	26.1	15.3	22.9#
78	10.9	8.2	12.2



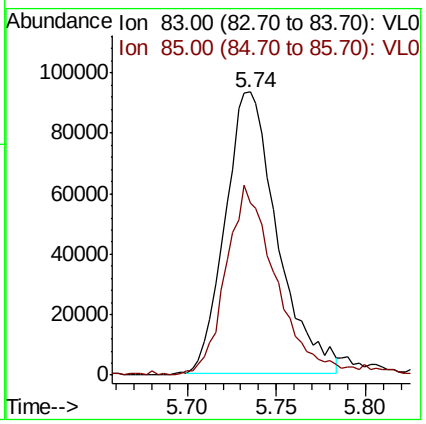


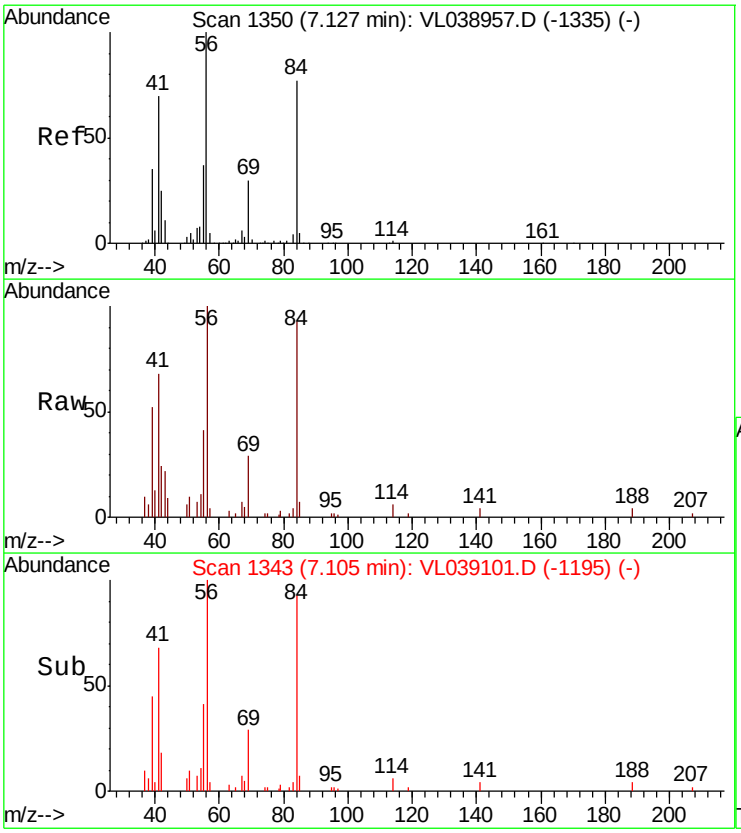
#29
Chloroform
Concen: 0.904 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 83 Resp: 189420

Ion	Ratio	Lower	Upper
83	100		
85	59.6	51.8	77.6

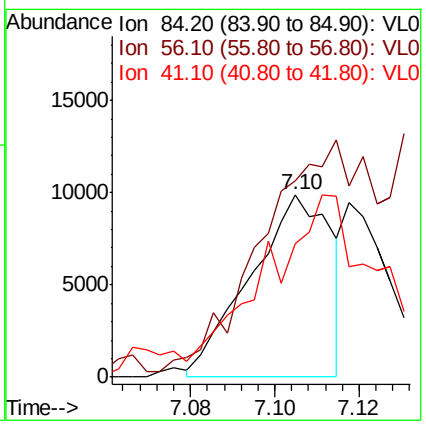


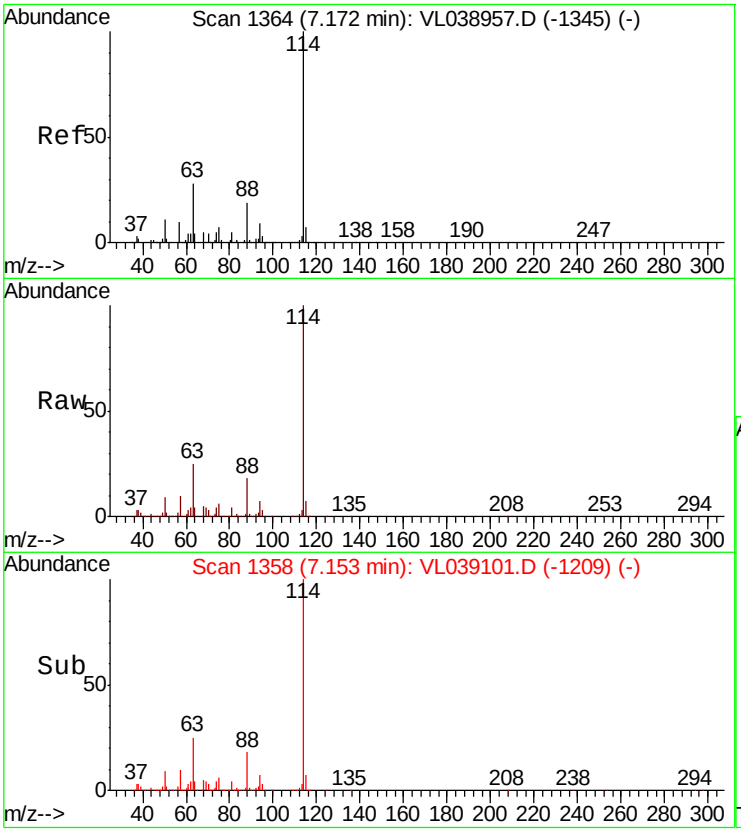


#30
Cyclohexane
Concen: 0.121 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 84 Resp: 13094

Ion	Ratio	Lower	Upper
84	100		
56	0.0	115.3	172.9#
41	149.4	72.0	108.0#



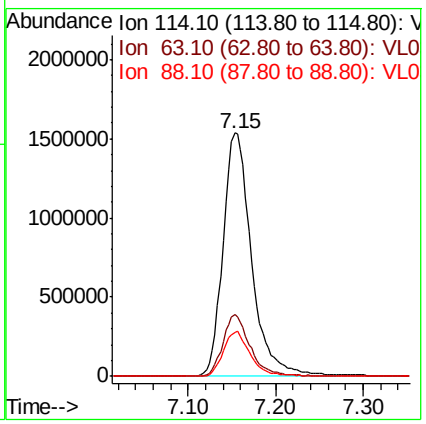


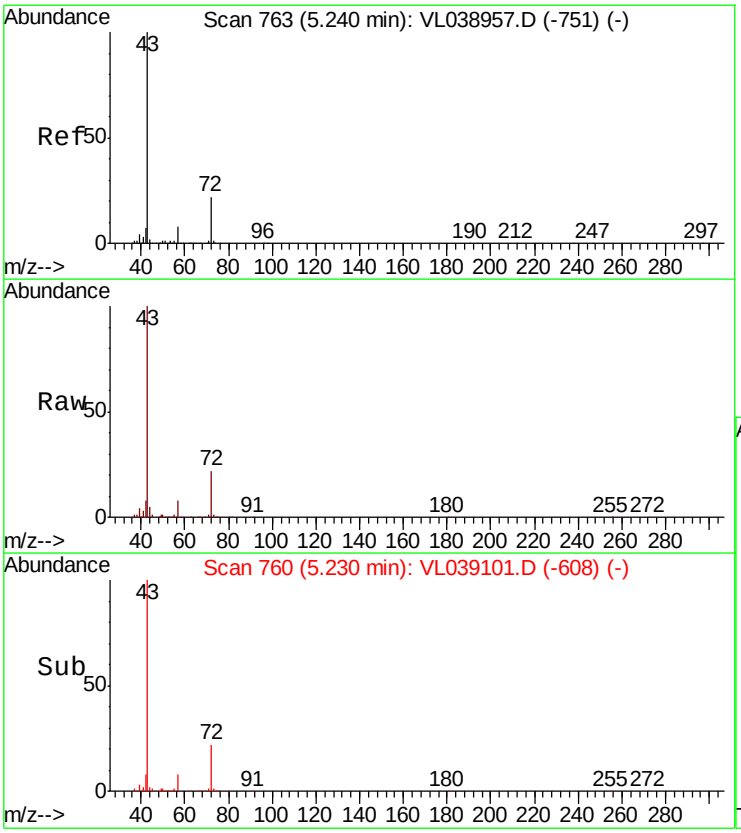
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:114 Resp: 3488254

Ion	Ratio	Lower	Upper
114	100		
63	24.4	22.6	33.8
88	17.9	15.4	23.0

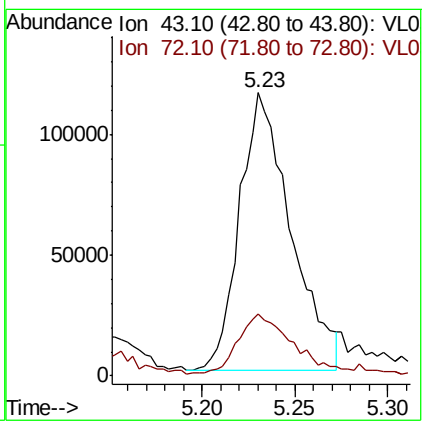


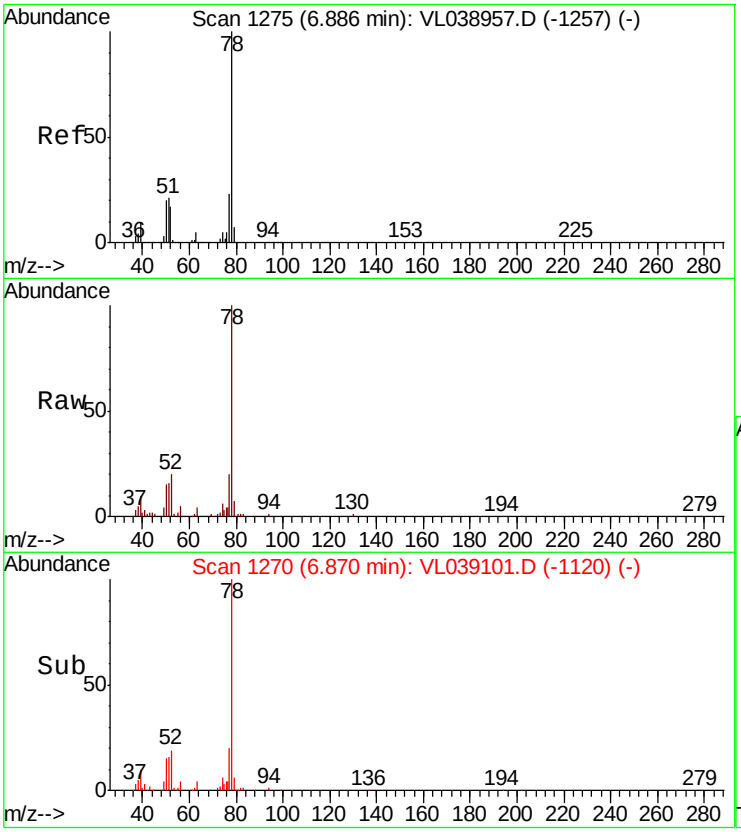


#34
2-Butanone
Concen: 1.250 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 43 Resp: 222411

Ion	Ratio	Lower	Upper
43	100		
72	25.2	17.8	26.6



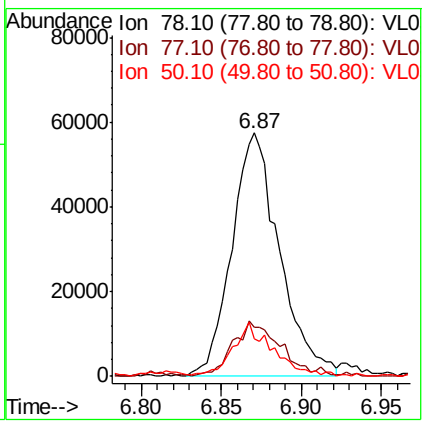


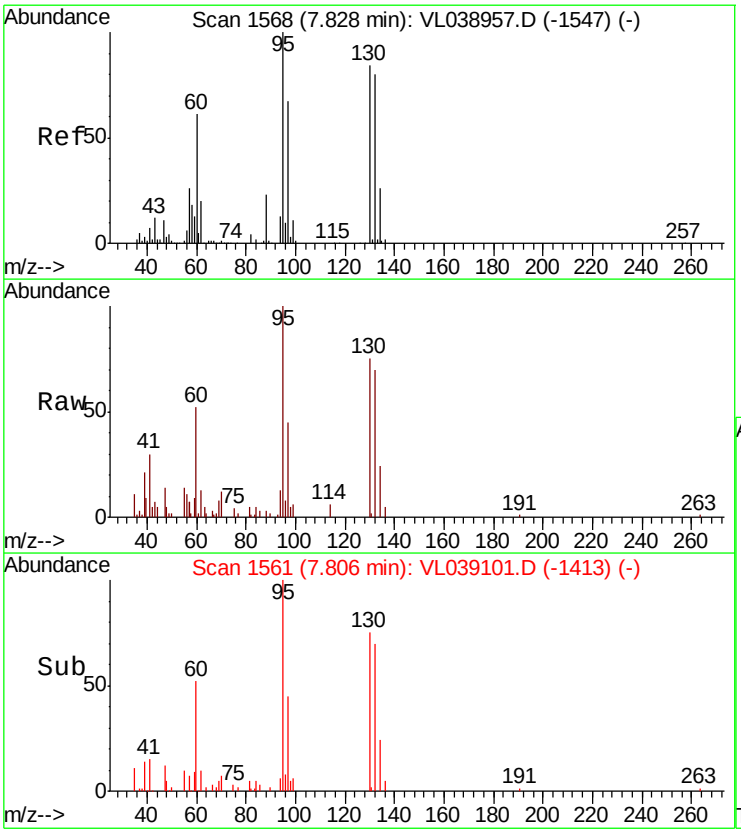
#36
Benzene
Concen: 0.393 ppbv
RT: 6.87
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 78 Resp: 117292

Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.6	28.0
50	14.8	15.6	23.4#

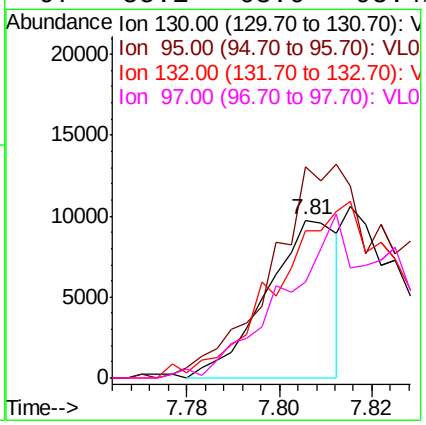


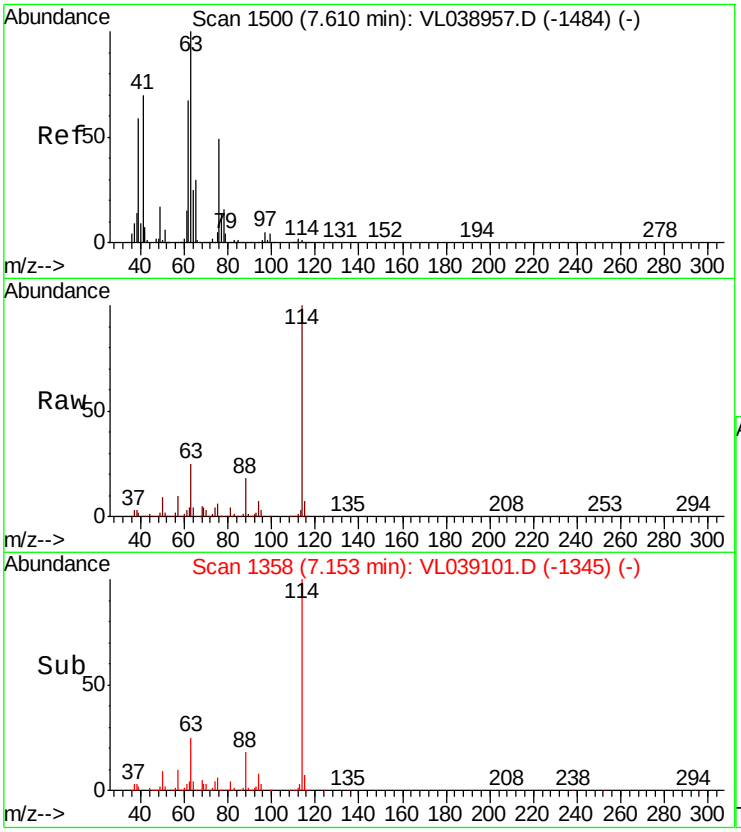


#38
Trichloroethene
Concen: 0.078 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion:130 Resp: 10376

Ion	Ratio	Lower	Upper
130	100		
95	127.6	94.8	142.2
132	90.6	75.8	113.8
97	55.1	63.6	95.4#



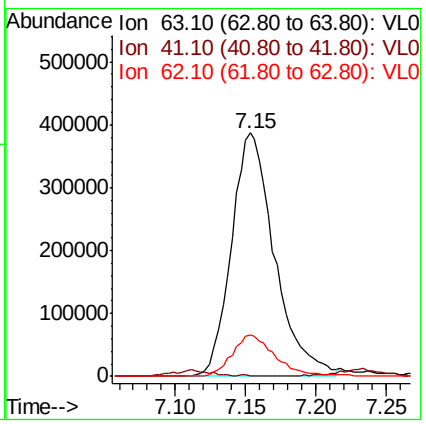


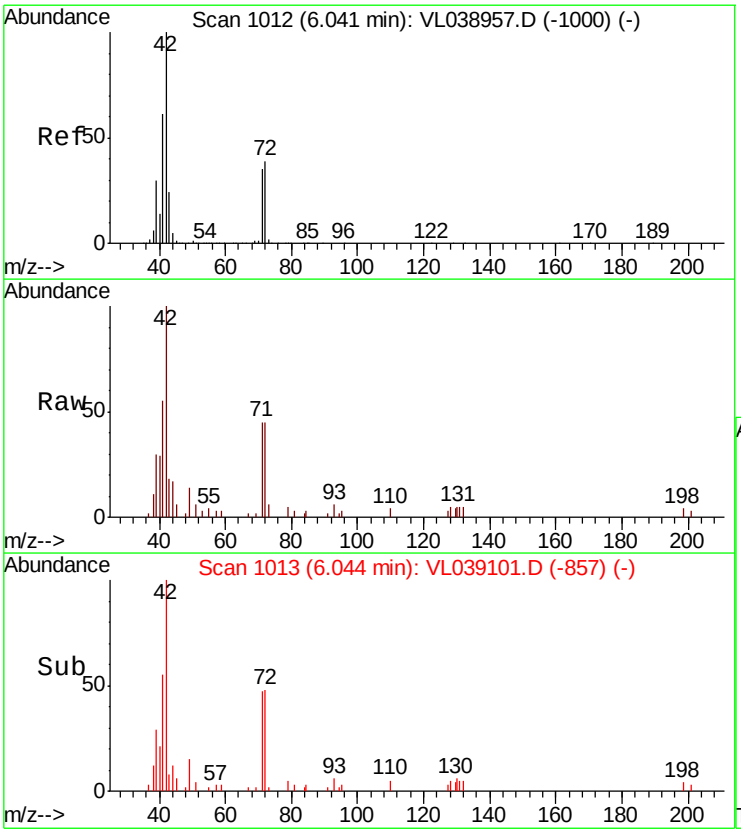
#39
1,2-Dichloropropane
Concen: 7.108 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 63 Resp: 825647

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	16.8	53.8	80.6#

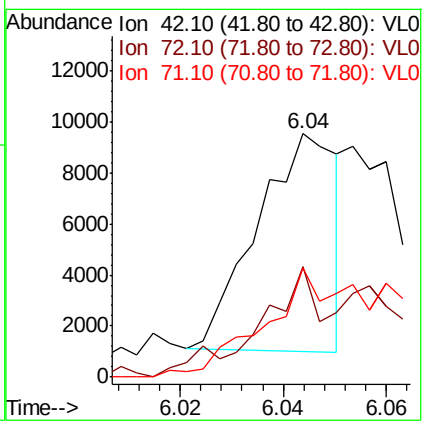


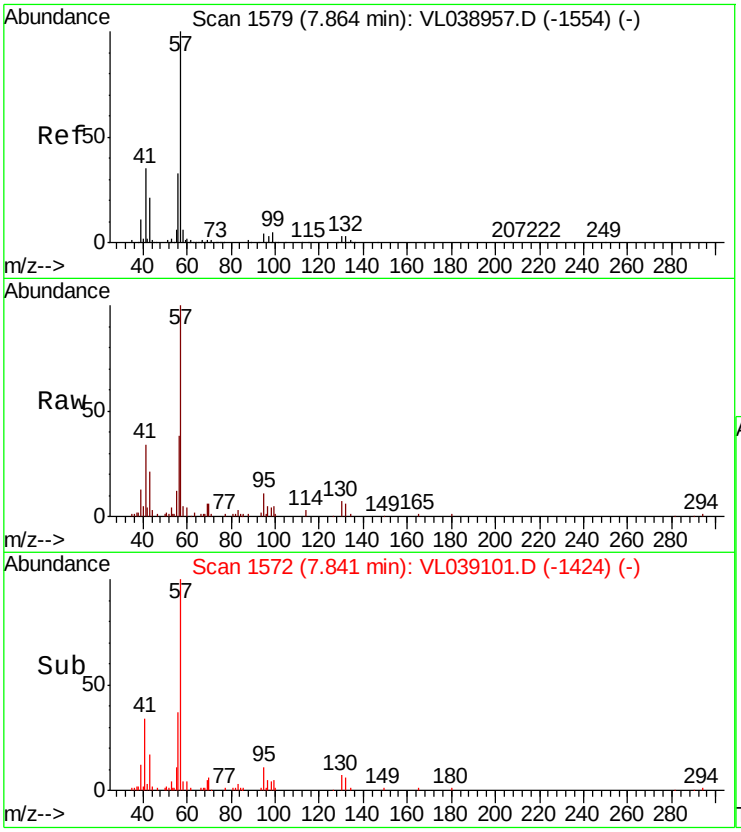


#41
Tetrahydrofuran
Concen: 0.076 ppbv
RT: 6.04 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 42 Resp: 9132

Ion	Ratio	Lower	Upper
42	100		
72	106.0	31.8	47.6#
71	106.2	30.6	45.8#



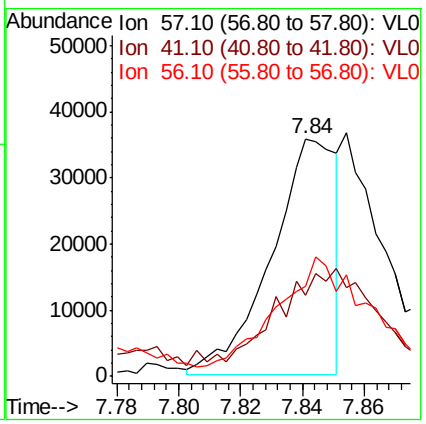


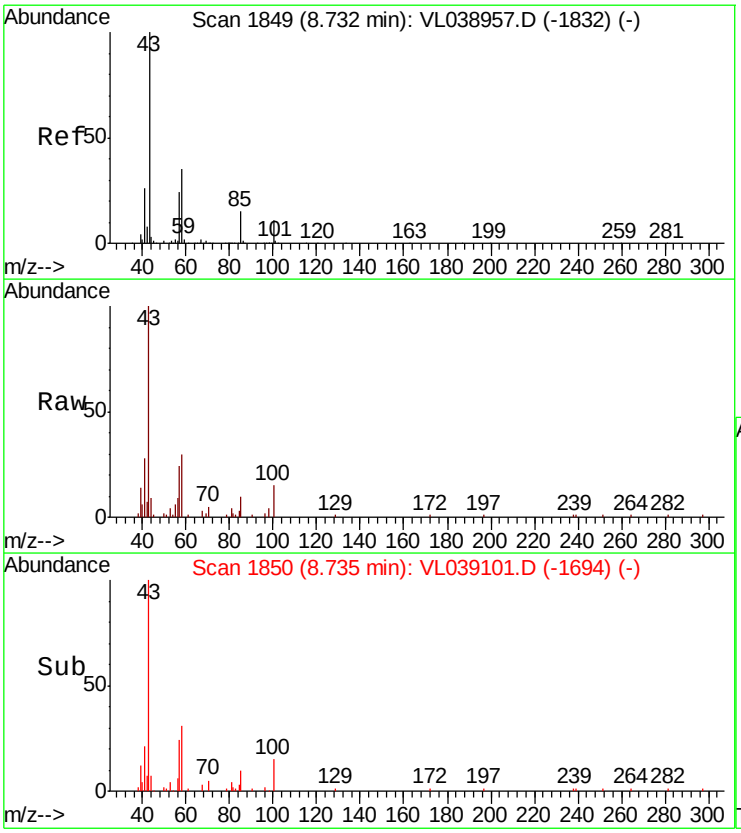
#44
2,2,4-Trimethylpentane
Concen: 0.098 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 57 Resp: 51510

Ion	Ratio	Lower	Upper
57	100		
41	0.0	26.3	39.5#
56	83.1	24.6	37.0#

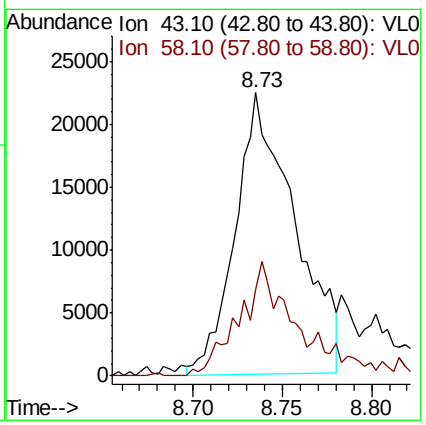


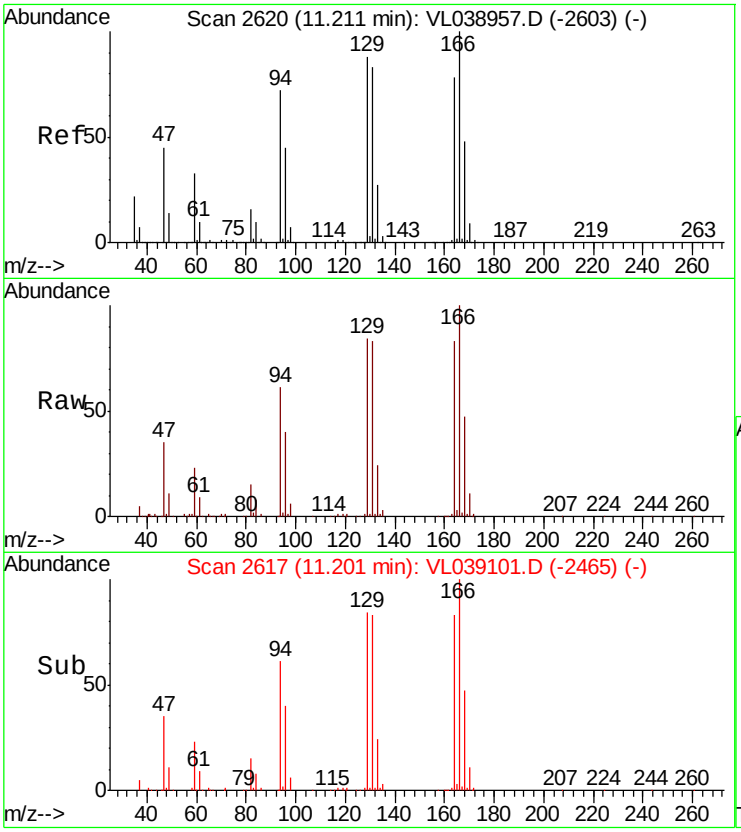


#50
4-Methyl-2-Pentanone
Concen: 0.167 ppbv
RT: 8.73 min Scan# 1850
Delta R.T. 0.00 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 43 Resp: 51965

Ion	Ratio	Lower	Upper
43	100		
58	41.9	28.4	42.6



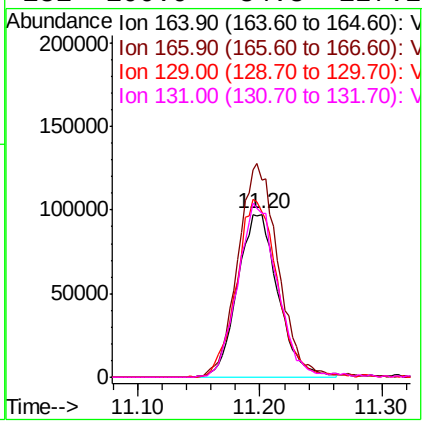


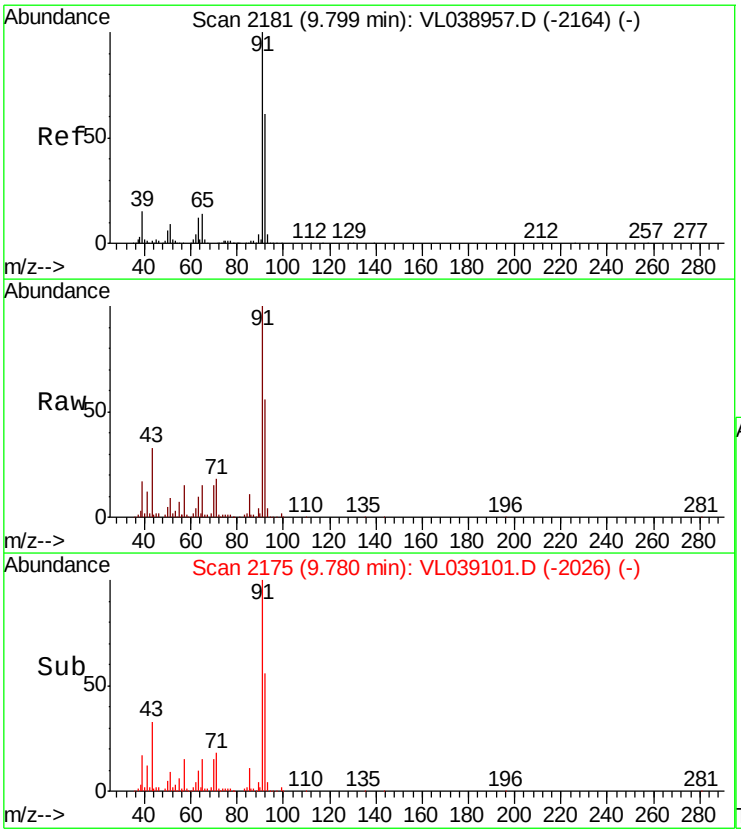
#52
Tetrachloroethene
Concen: 2.090 ppbv
RT: 11.20
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:164 Resp: 222985

Ion	Ratio	Lower	Upper
164	100		
166	121.1	102.5	153.7
129	101.7	90.1	135.1
131	100.9	84.8	127.2

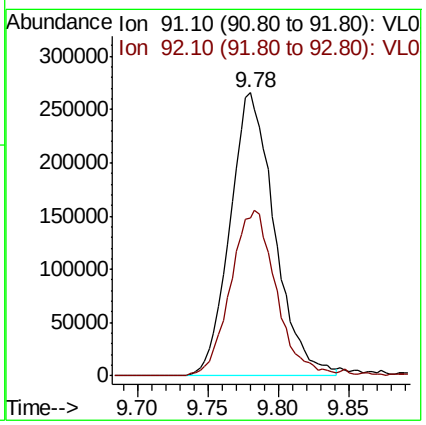


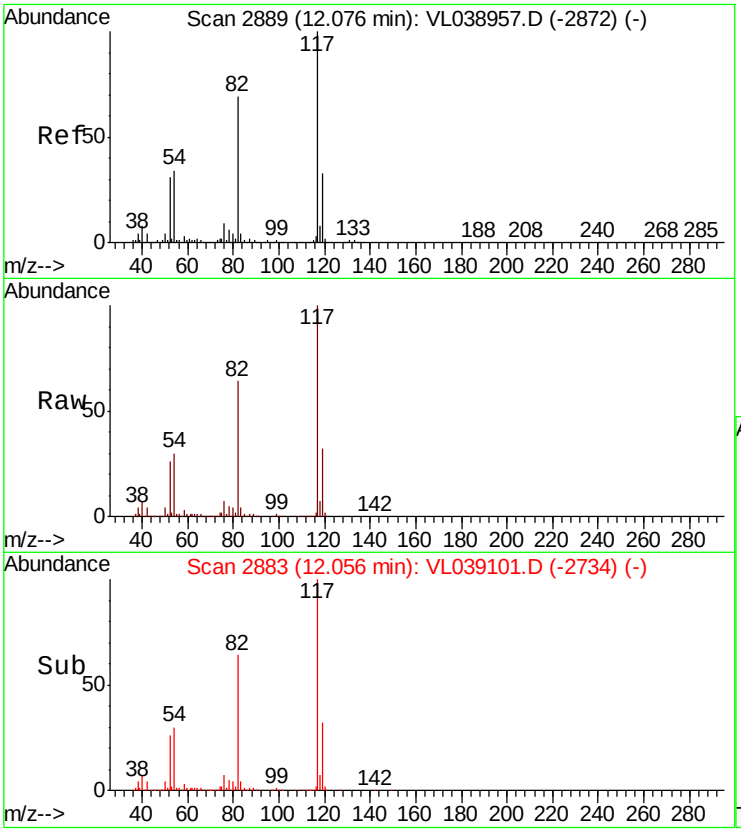


#53
Toluene
Concen: 1.743 ppbv
RT: 9.78 min Scan# 2175
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 91 Resp: 583186

Ion	Ratio	Lower	Upper
91	100		
92	61.1	48.2	72.2



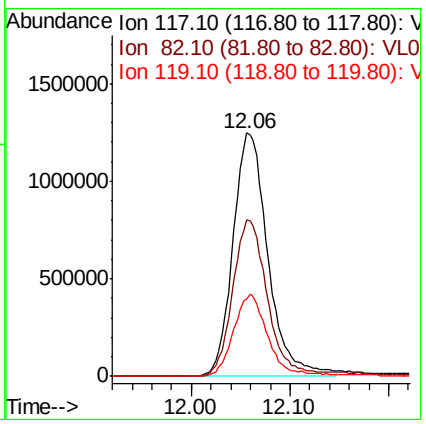


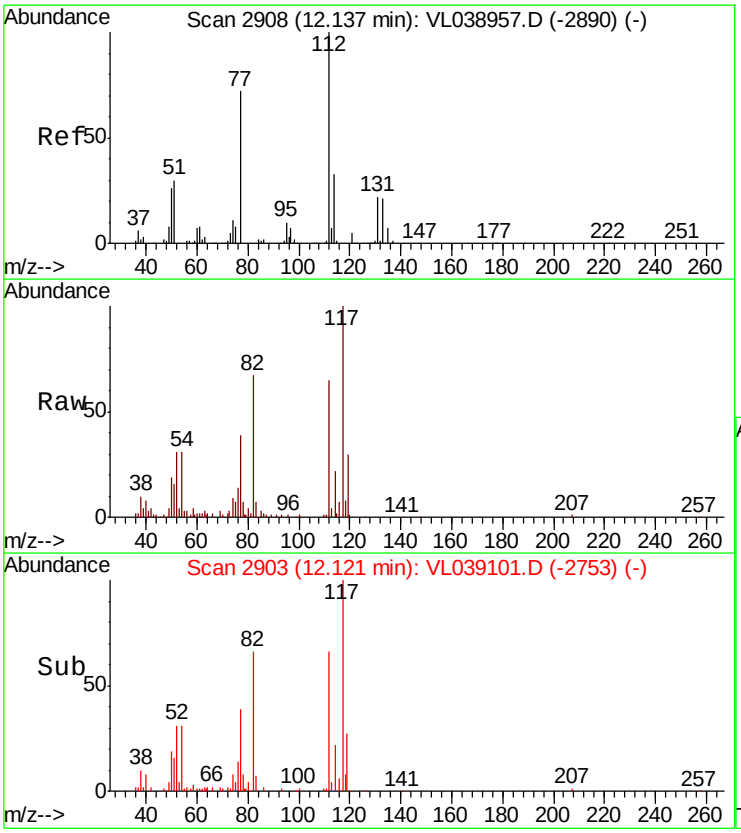
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:117 Resp: 3072370

Ion	Ratio	Lower	Upper
117	100		
82	66.3	57.0	85.6
119	33.8	27.2	40.8

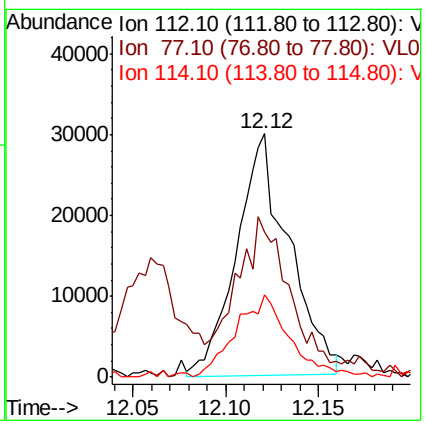


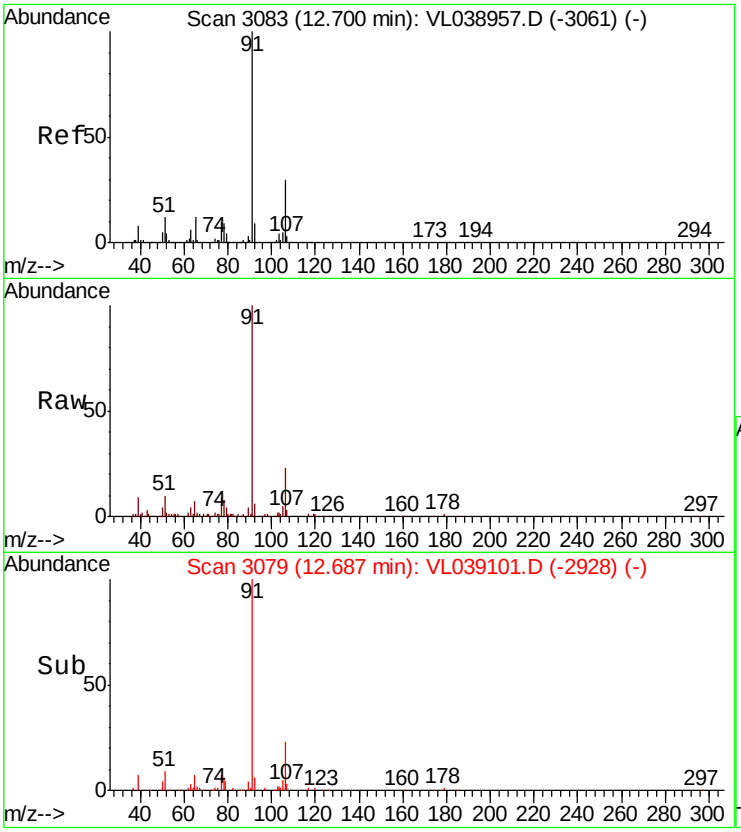


#57
Chlorobenzene
Concen: 0.254 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion:112 Resp: 58550

Ion	Ratio	Lower	Upper
112	100		
77	55.2	57.7	86.5#
114	32.8	30.1	36.7



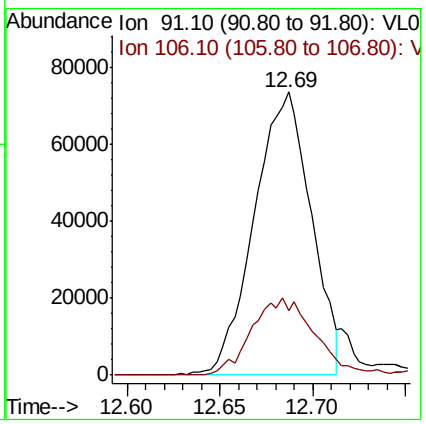


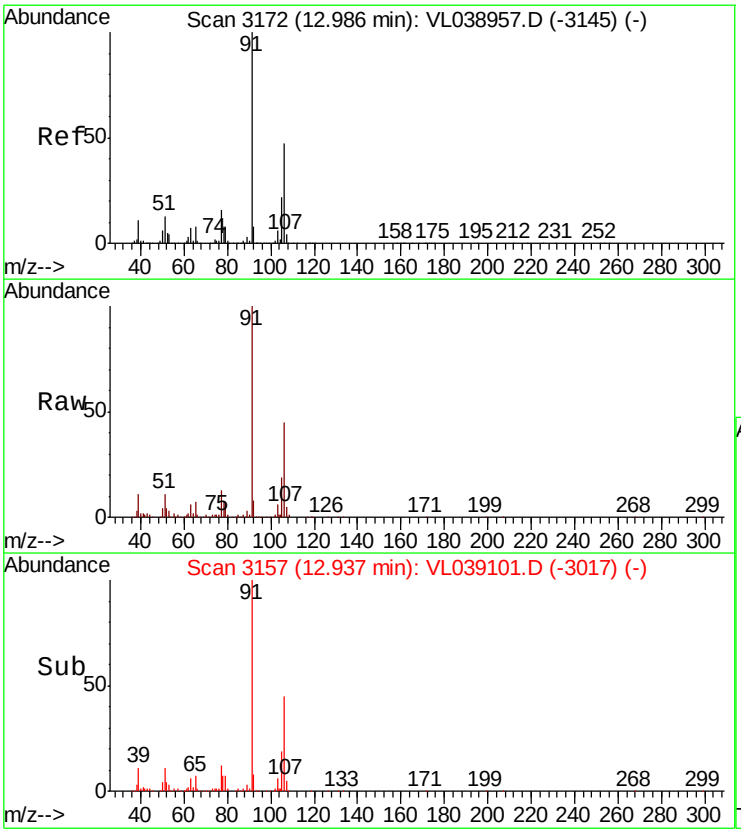
#58
Ethyl Benzene
Concen: 0.355 ppbv
RT: 12.69
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 156925

Ion	Ratio	Lower	Upper
91	100		
106	22.9	24.2	36.4#

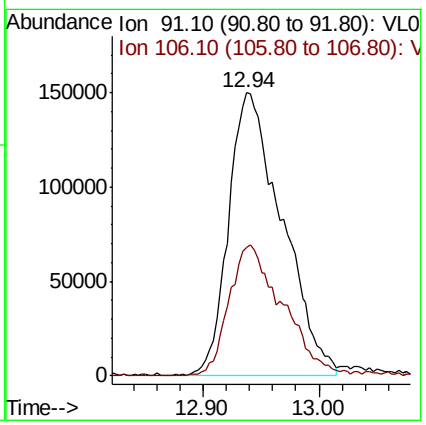


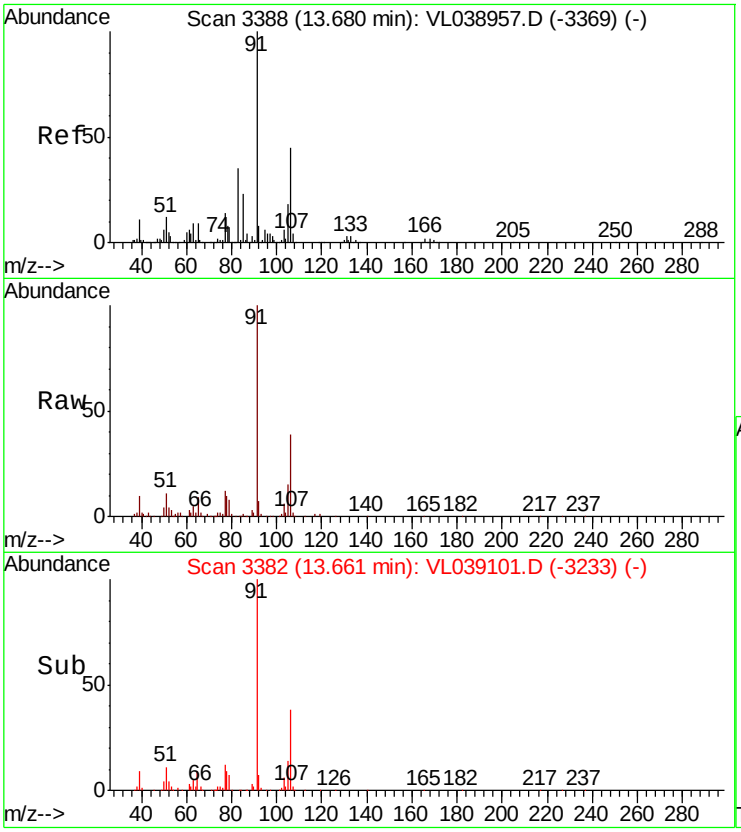


#59
m/p-Xylene
Concen: 1.262 ppbv
RT: 12.94 min Scan# 3157
Delta R.T. -0.05 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 91 Resp: 476331

Ion	Ratio	Lower	Upper
91	100		
106	48.1	34.6	52.0



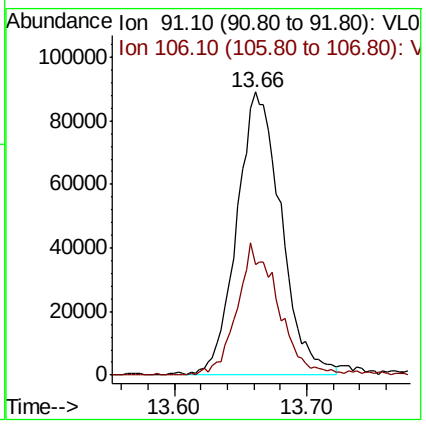


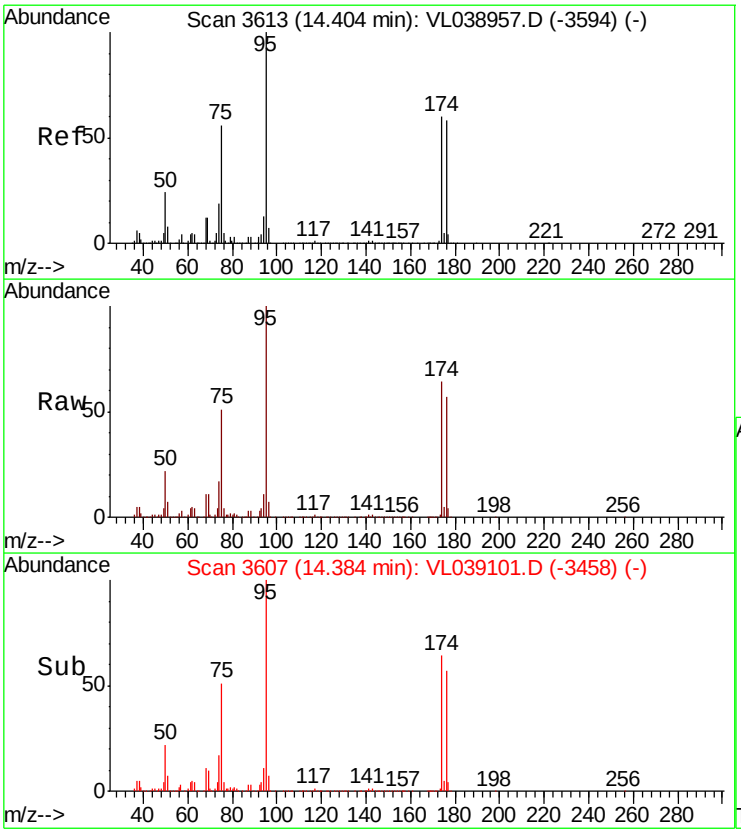
#60
o-Xylene
Concen: 0.579 ppbv
RT: 13.66
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion: 91 Resp: 205666

Ion	Ratio	Lower	Upper
91	100		
106	43.4	22.2	66.6

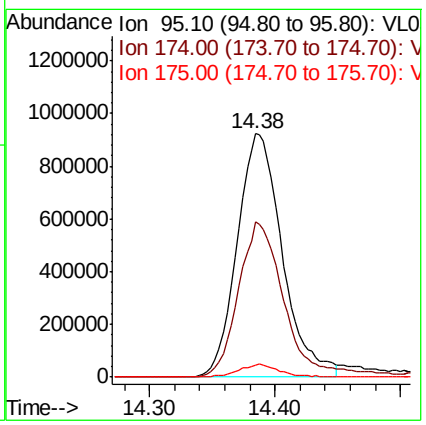


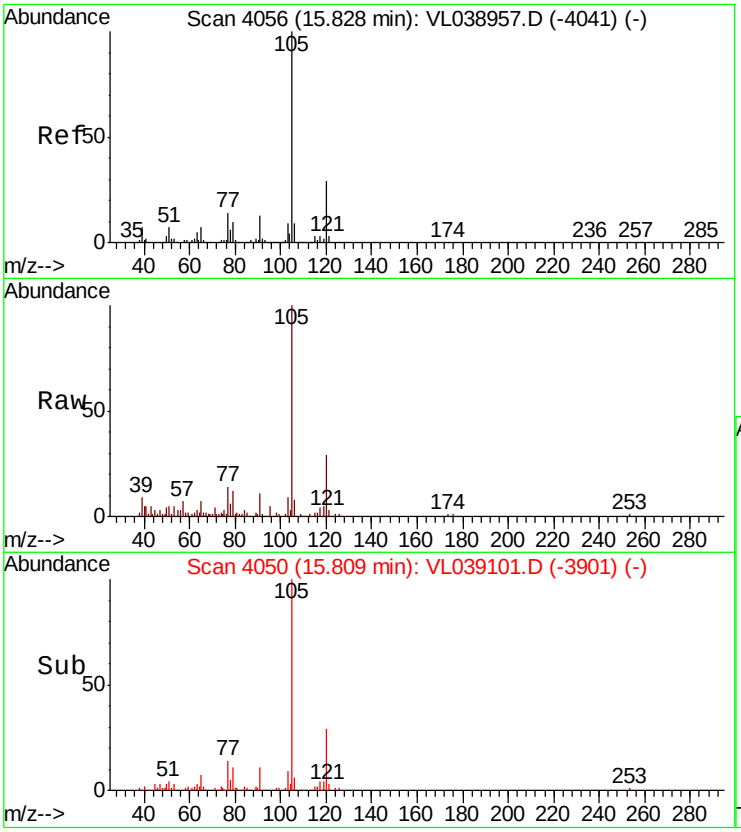


#68
1-Bromo-4-Fluorobenzene
Concen: 9.469 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.02 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion: 95 Resp: 2304056

Ion	Ratio	Lower	Upper
95	100		
174	67.8	50.8	76.2
175	5.1	3.8	5.6



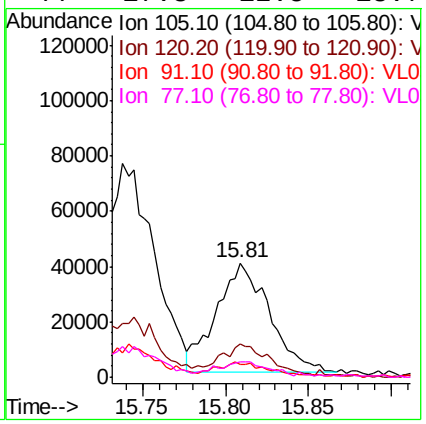


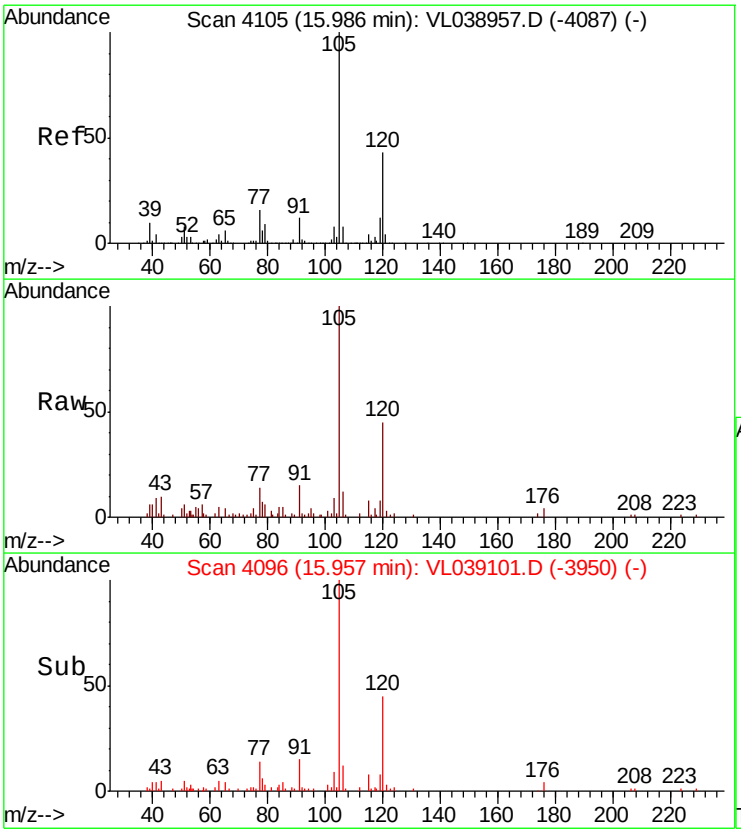
#72
4-Ethyltoluene
Concen: 0.216 ppbv
RT: 15.81
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:105 Resp: 87243

Ion	Ratio	Lower	Upper
105	100		
120	30.0	23.4	35.0
91	16.0	10.6	16.0#
77	17.3	12.5	18.7

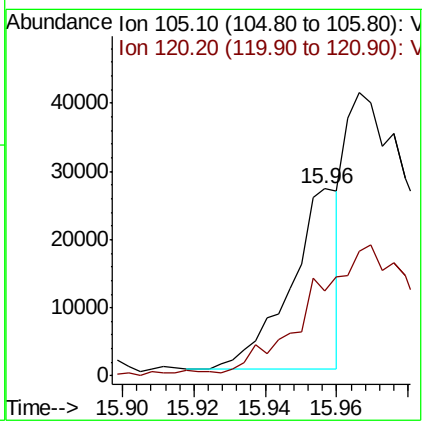


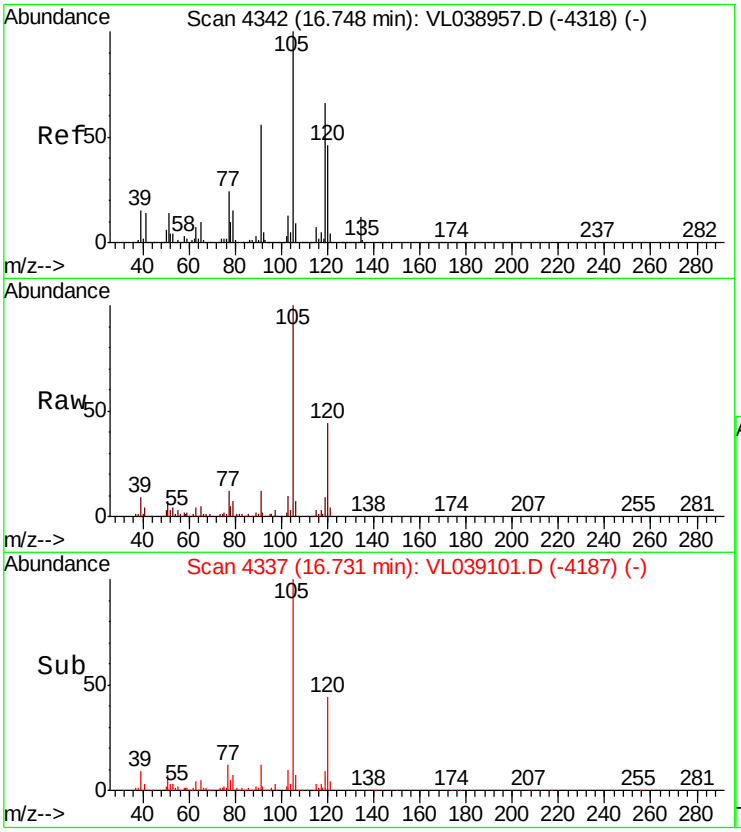


#73
1,3,5-Trimethylbenzene
Concen: 0.068 ppbv
RT: 15.96 min Scan# 4096
Delta R.T. -0.03 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion:105 Resp: 24938

Ion	Ratio	Lower	Upper
105	100		
120	41.7	34.4	51.6



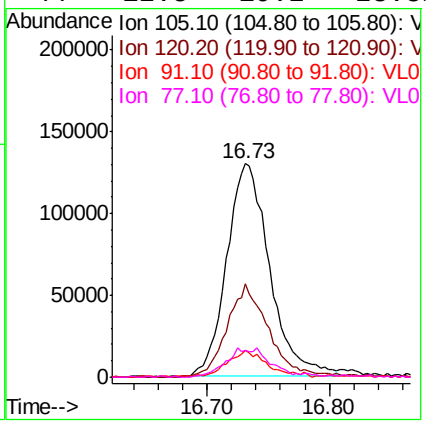


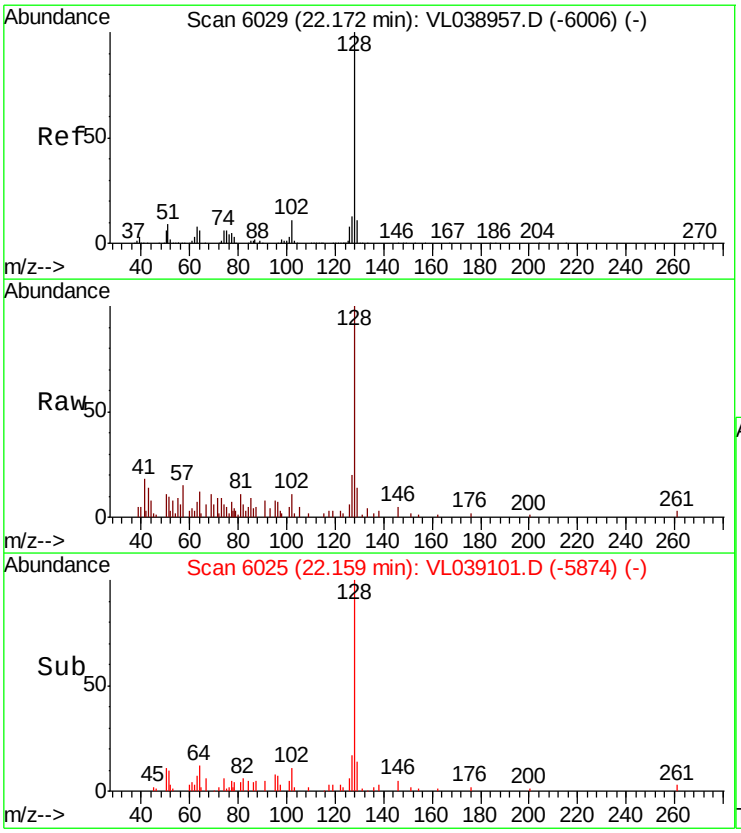
#74
1,2,4-Trimethylbenzene
Concen: 0.794 ppbv
RT: 16.73
Delta R.T
Lab File:
Acq: 24 May 2022 2:23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:105 Resp: 316702

Ion	Ratio	Lower	Upper
105	100		
120	43.4	36.9	55.3
91	11.9	45.0	67.4#
77	12.5	19.2	28.8#

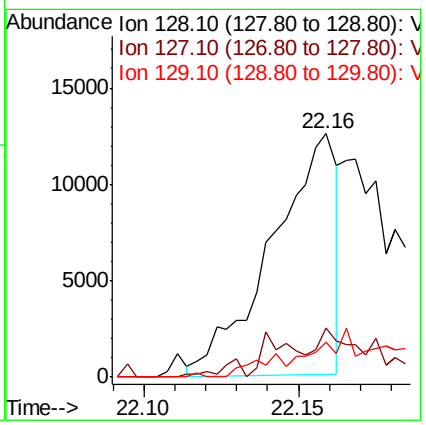


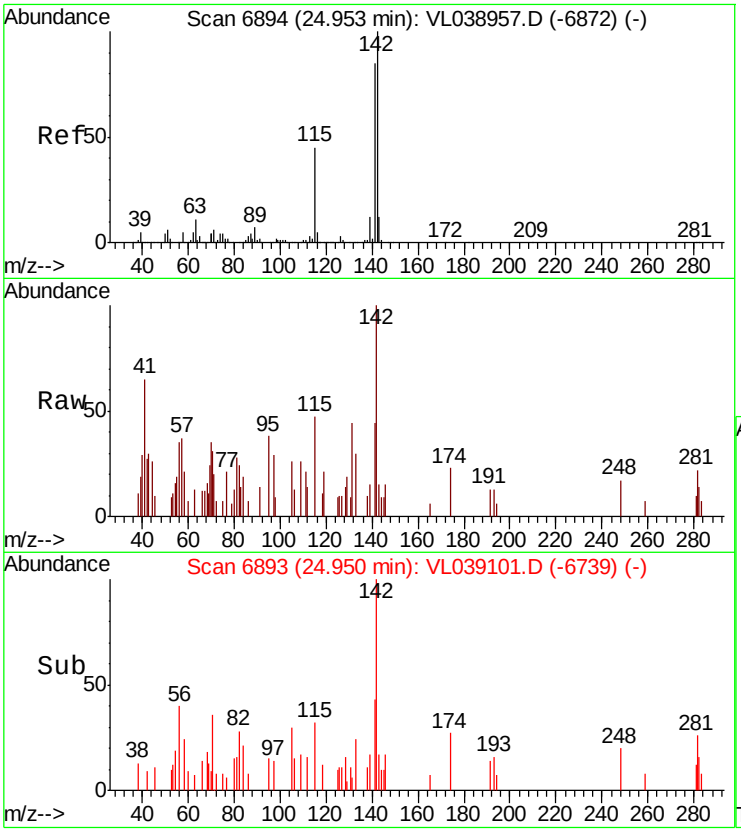


#79
Naphthalene
Concen: 0.056 ppbv
RT: 22.16 min Scan# 6025
Delta R.T. -0.01 min
Lab File: VL039101.D
Acq: 24 May 2022 2:23

Tgt Ion:128 Resp: 18112

Ion	Ratio	Lower	Upper
128	100		
127	16.8	10.2	15.2#
129	15.1	8.9	13.3#





#80
Naphthalene,2-methyl-
Concen: 0.041 ppbv
RT: 24.95
Delta R.T
Lab File:
Acq: 24 May 2022 2.23

Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

Tgt Ion:142 Resp: 4036

Ion	Ratio	Lower	Upper
142	100		
141	137.4	70.8	106.2#
115	95.3	35.1	52.7#