Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062722\
Data File : VL039388.D
Acq On : 28 Jun 2022 11:11
Operator : SY/AP
Sample : N3453-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-1

Quant Time: Jun 29 06:03:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.65	49	1049977	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.16	114	2926712	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	2644575	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.39	95	2043568	9.35	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.99	51	38412	0.288	ppbv		94
4) Chloromethane	3.13	50	15148	0.221	ppbv		92
9) Propene	3.01	41	211218	3.626	ppbv	#	81
10) Heptane	8.11	43	49933	0.367	ppbv		98
11) Trichlorofluoromethane	3.94	101	37743	0.226	ppbv		91
13) Ethanol	3.59	45	483855	152.305	ppbv	#	100
15) Acetone	3.84	43	1103904	10.093	ppbv		100
16) 1,3-Butadiene	3.30	39	48063	0.817	ppbv	#	41
17) tert-Butyl alcohol	4.29	59	9958	0.117	ppbv	#	70
19) Isopropyl Alcohol	3.96	45	33566	0.654	ppbv	#	1
20) Methylene Chloride	4.34	84	1802486	39.106	ppbv		95
23) Vinyl Acetate	5.05	43	49090	0.542	ppbv	#	26
25) Ethyl Acetate	5.67	43	1897167	7.696	ppbv	#	76
26) Hexane	5.67	57	2739789	25.291	ppbv	#	39
27) Carbon Disulfide	4.54	76	65768	0.586	ppbv	#	72
30) Cyclohexane	7.12	84	17152	0.188	ppbv	#	1
34) 2-Butanone	5.23	43	121873	0.766	ppbv		96
36) Benzene	6.88	78	162418	0.684	ppbv		97
39) 1,2-Dichloropropane	7.16	63	719867	7.617	ppbv	#	24
41) Tetrahydrofuran	6.30	42	12143	0.127	ppbv	#	36
44) 2,2,4-Trimethylpentane	7.85	57	22306	0.054	ppbv	#	1
53) Toluene	9.79	91	752795	2.751	ppbv		99
58) Ethyl Benzene	12.69	91	93099	0.256	ppbv		99
59) m/p-Xylene	12.94	91	567403	1.769	ppbv		96
60) o-Xylene	13.67	91	143924	0.477	ppbv	#	31
62) Isopropylbenzene	14.64	105	26201	0.058	ppbv	#	50
64) n-propylbenzene	15.54	120	17425	0.158	ppbv		86
66) Benzyl Chloride	16.82	91	9588	0.180	ppbv	#	1
67) sec-Butylbenzene	17.27	105	29940	0.054	ppbv	#	64
70) n-Butylbenzene	18.52	91	30574	0.063	ppbv	#	50
72) 4-Ethyltoluene	15.82	105	70574	0.200	ppbv	#	65
73) 1,3,5-Trimethylbenzene	15.98	105	219956	0.690	ppbv		95
74) 1,2,4-Trimethylbenzene	16.73	105	974363	2.740	ppbv	#	62
79) Naphthalene	22.16	128	23889	0.087	ppbv	#	92
80) Naphthalene,2-methyl-	24.94	142	5688	0.056	ppbv	#	67

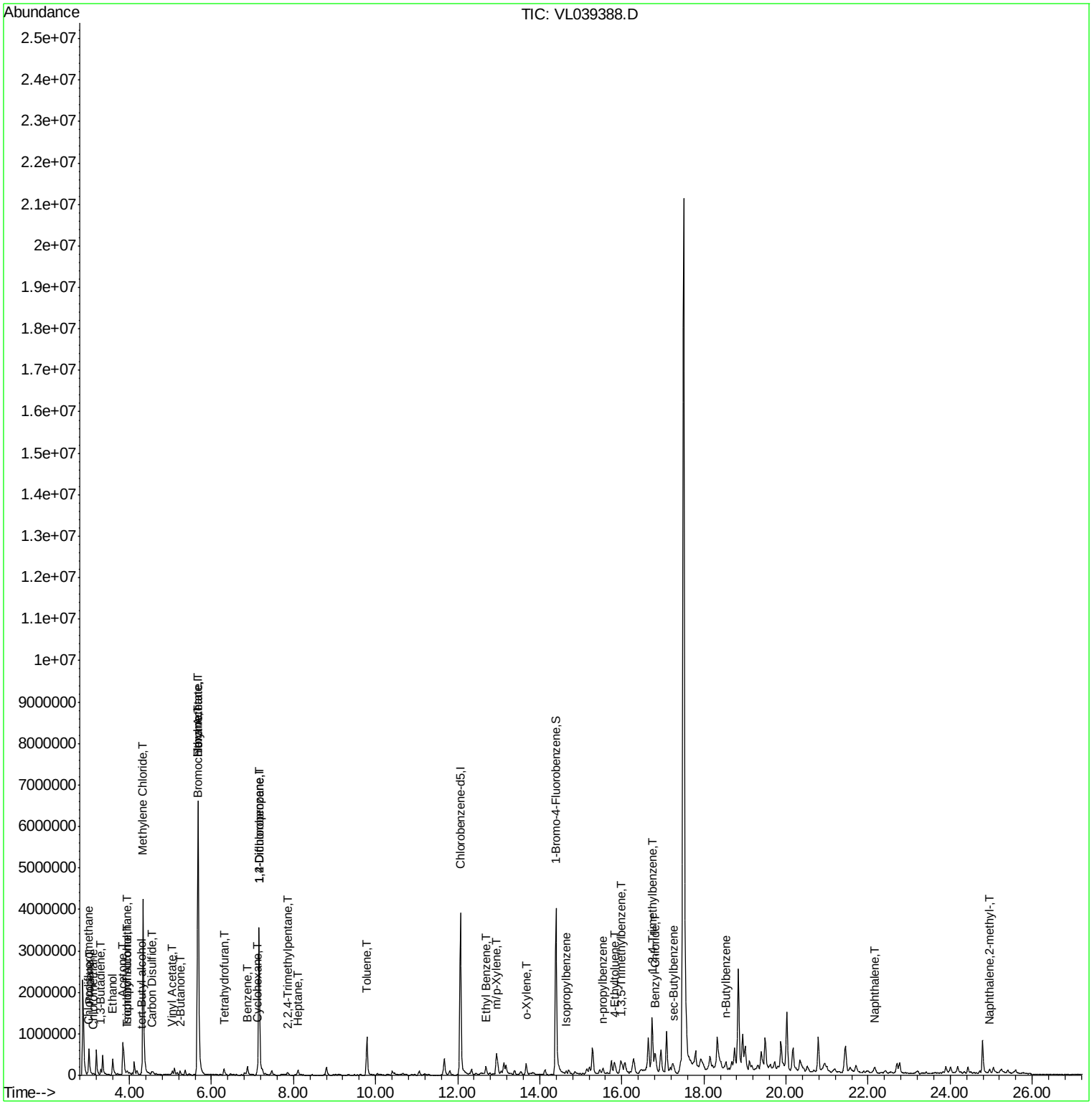
(#) = qualifier out of range (m) = manual integration (+) = signals summed

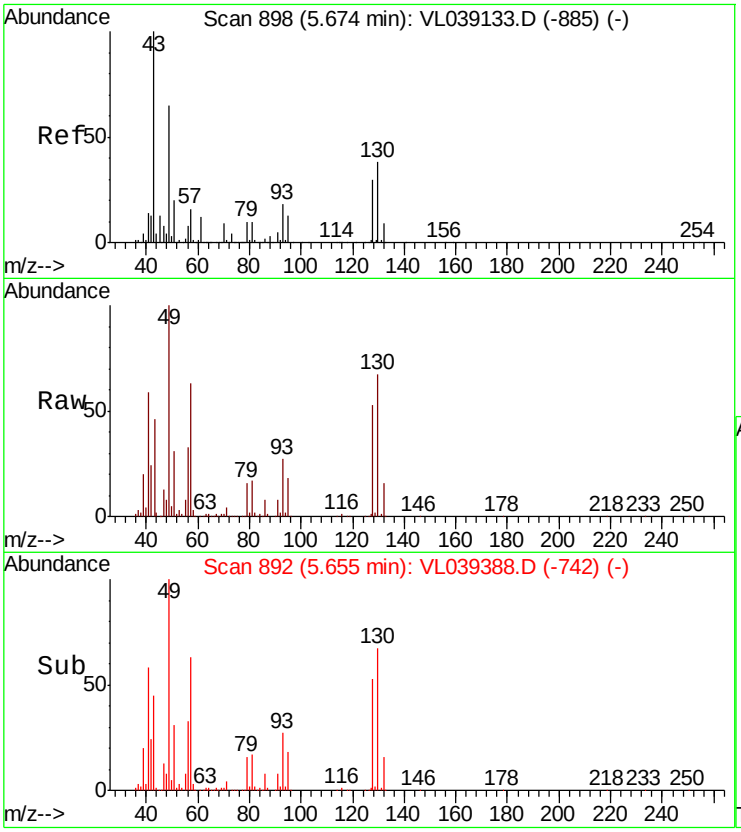
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062722\
Data File : VL039388.D
Acq On : 28 Jun 2022 11:11
Operator : SY/AP
Sample : N3453-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: Jun 29 06:03:55 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



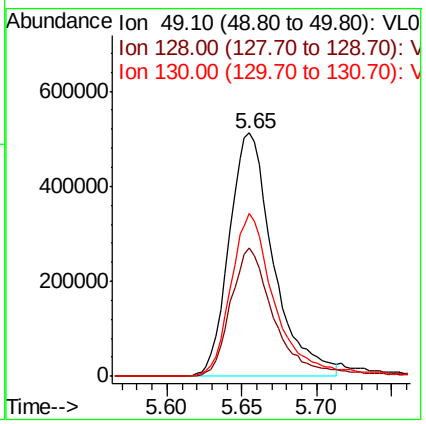


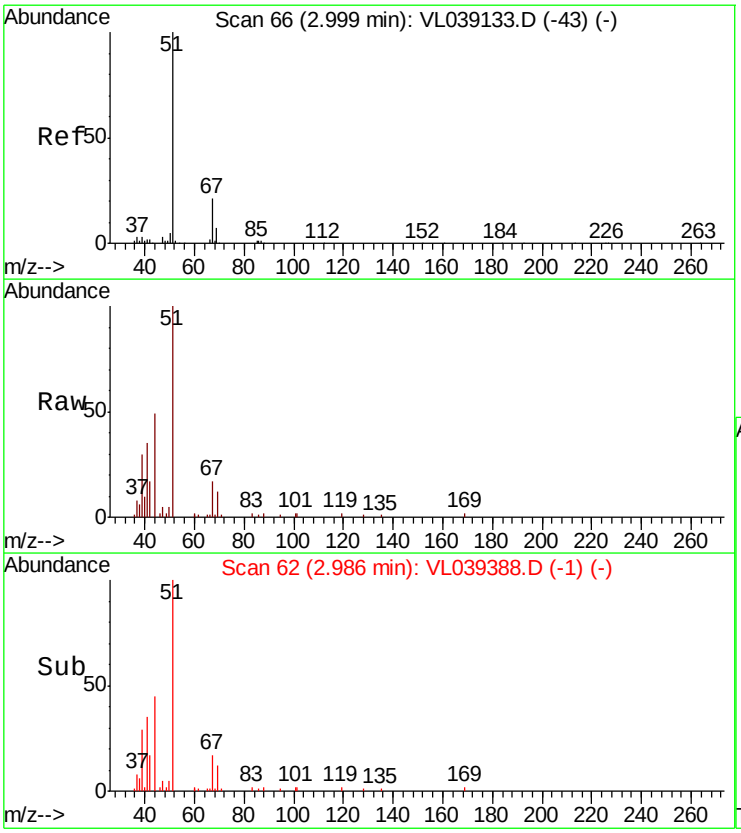
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 49 Resp: 1049977

Ion	Ratio	Lower	Upper
49	100		
128	53.7	24.7	74.1
130	68.6	31.4	94.0

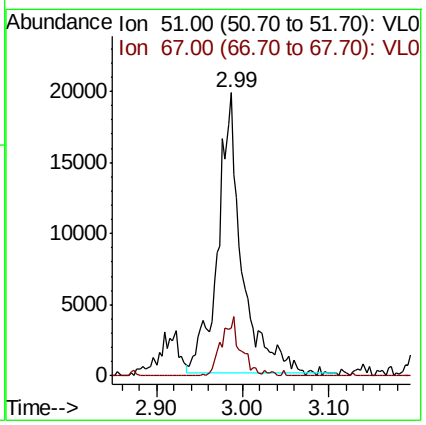


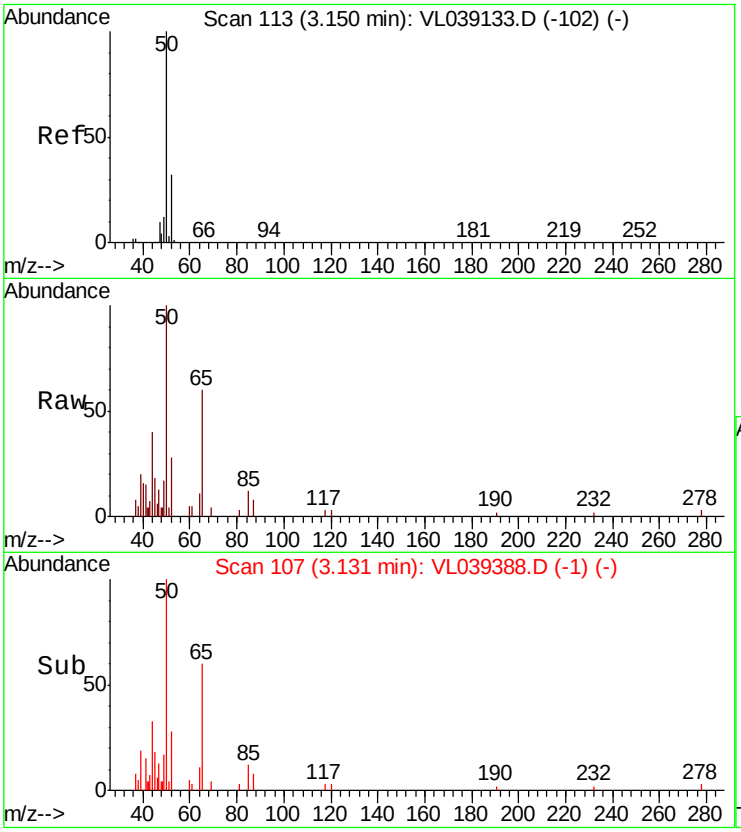


#3
Chlorodifluoromethane
Concen: 0.288 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.01 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 51 Resp: 38412

Ion	Ratio	Lower	Upper
51	100		
67	17.5	16.2	24.4



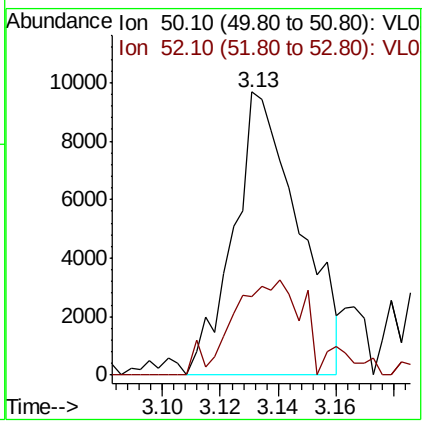


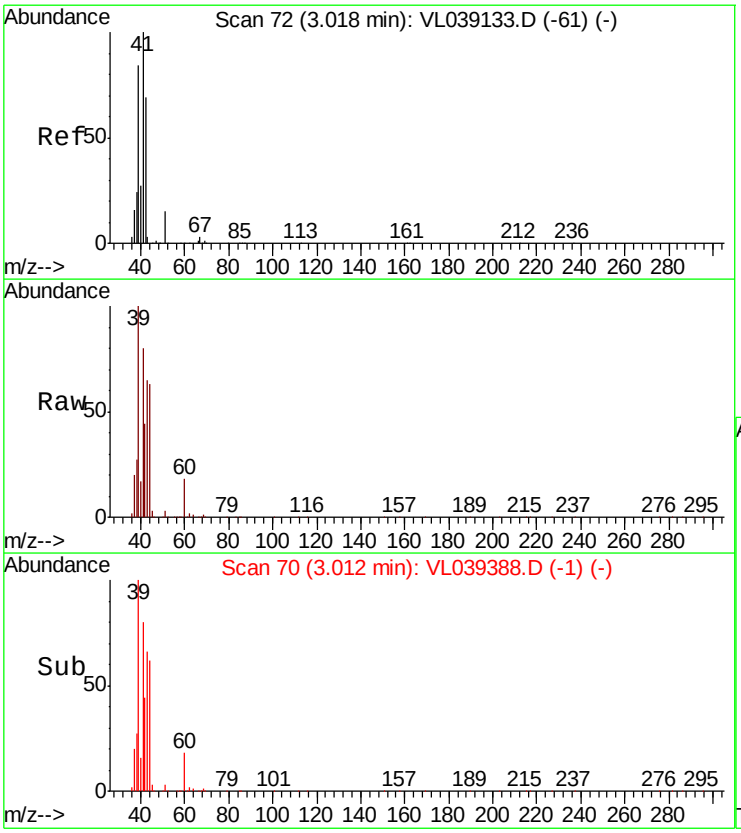
#4
Chloromethane
Concen: 0.221 ppbv
RT: 3.13
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 50 Resp: 15148

Ion	Ratio	Lower	Upper
50	100		
52	27.8	25.9	38.9

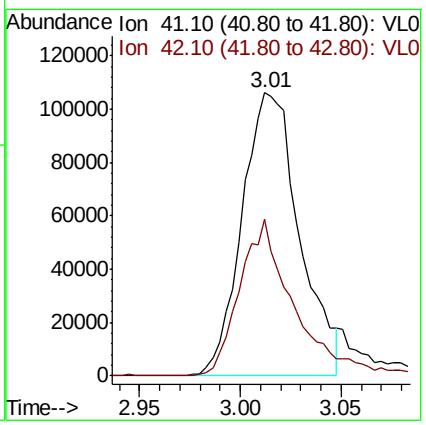


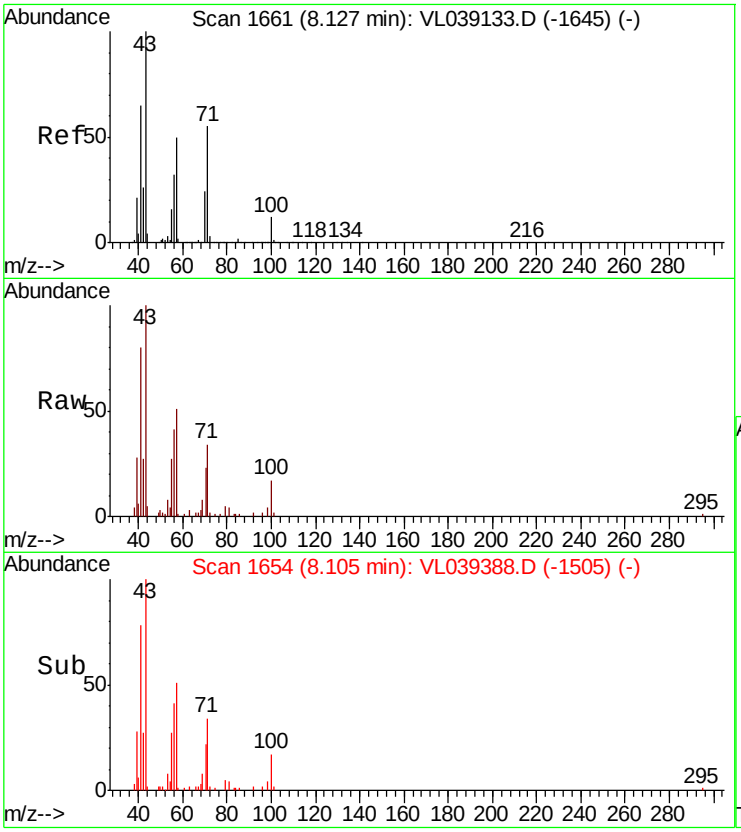


#9
Propene
Concen: 3.626 ppbv
RT: 3.01 min Scan# 70
Delta R.T. -0.01 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 41 Resp: 211218

Ion	Ratio	Lower	Upper
41	100		
42	53.4	55.4	83.2#



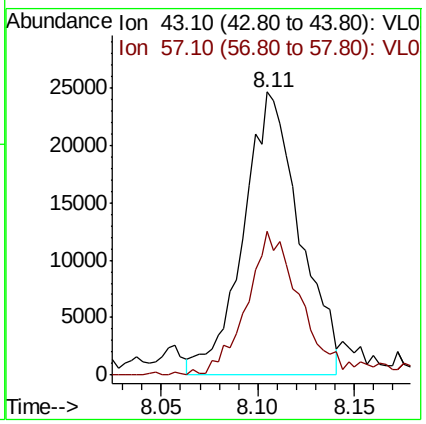


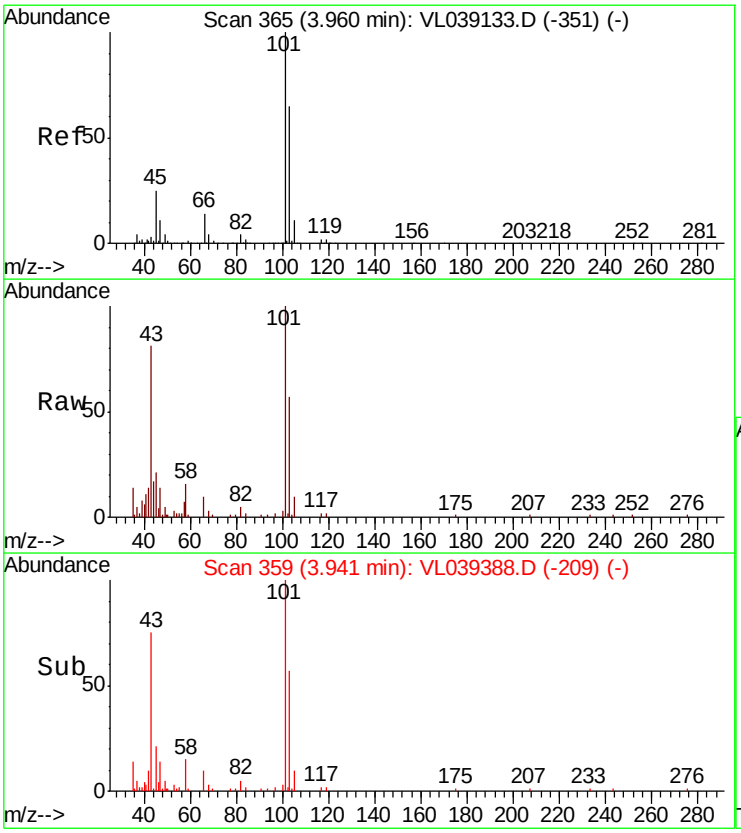
#10
Heptane
Concen: 0.367 ppbv
RT: 8.11
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 49933

Ion	Ratio	Lower	Upper
43	100		
57	50.6	41.4	62.2

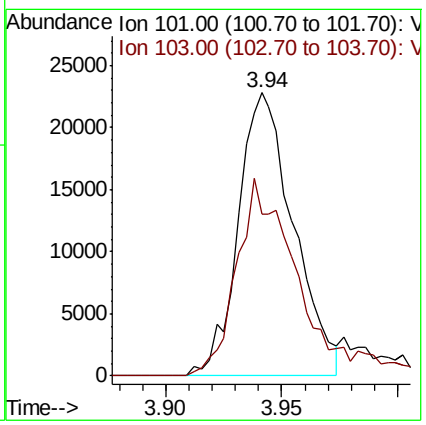


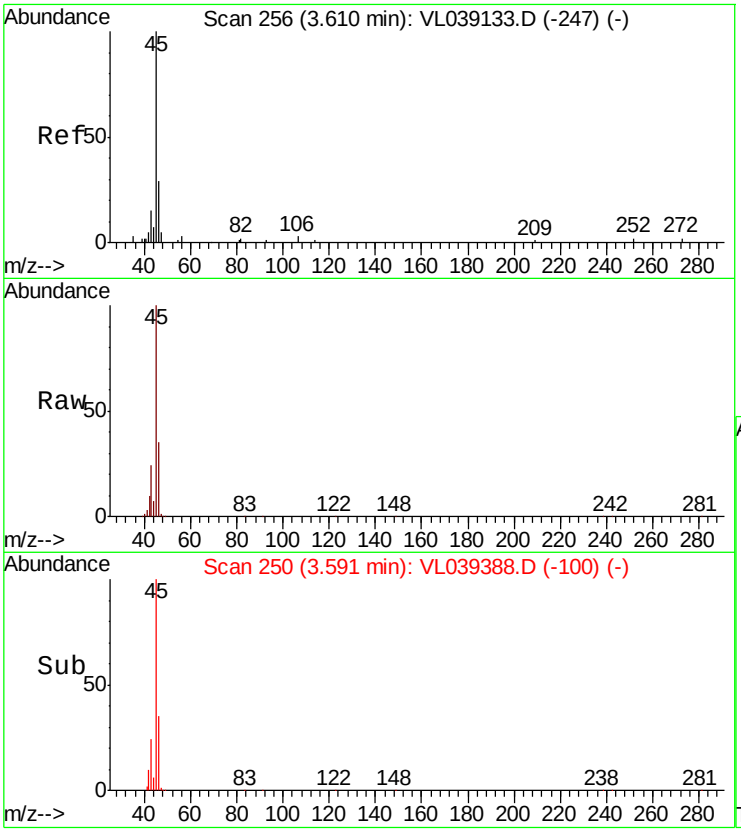


#11
Trichlorofluoromethane
Concen: 0.226 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:101 Resp: 37743

Ion	Ratio	Lower	Upper
101	100		
103	57.3	51.7	77.5



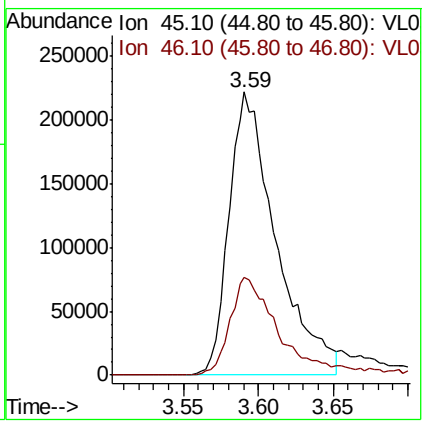


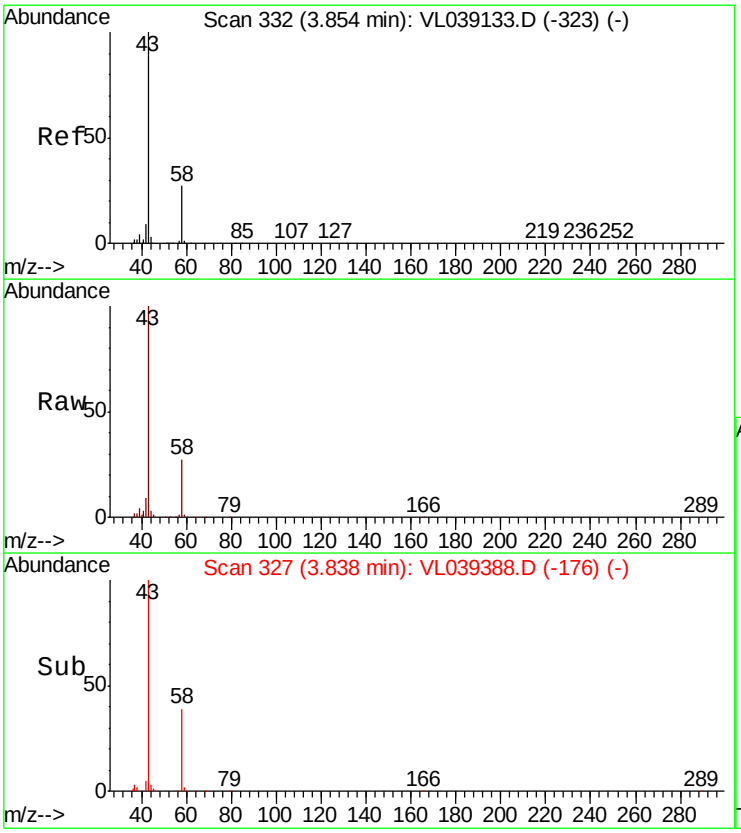
#13
Ethanol
Concen: 152.305 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 483855

Ion	Ratio	Lower	Upper
45	100		
46	38.0	0.0	0.0#

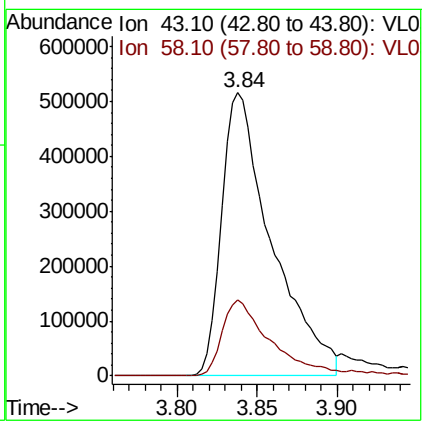


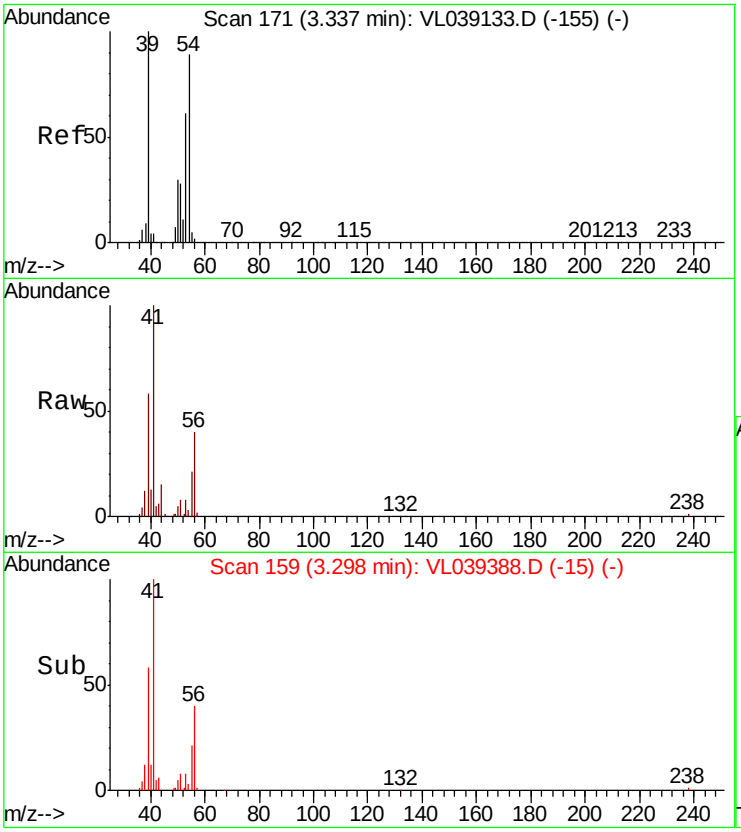


#15
Acetone
Concen: 10.093 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 43 Resp: 1103904

Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.5	33.7



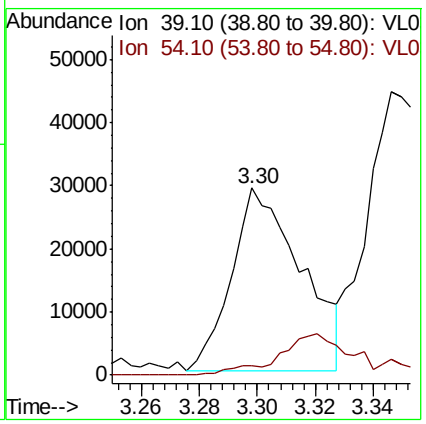


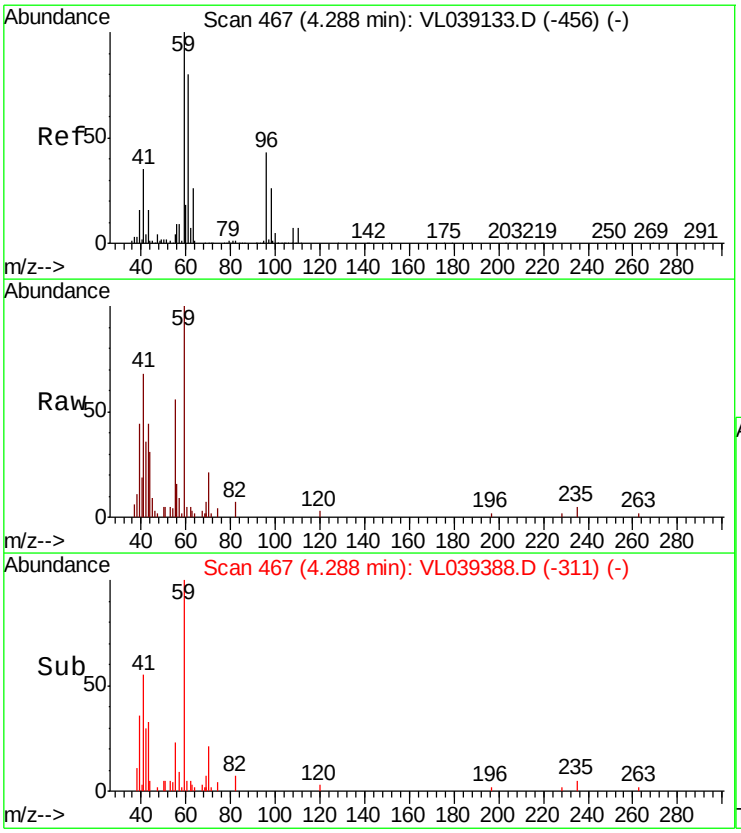
#16
1,3-Butadiene
Concen: 0.817 ppbv
RT: 3.30
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 39 Resp: 48063

Ion	Ratio	Lower	Upper
39	100		
54	29.3	65.8	98.6#

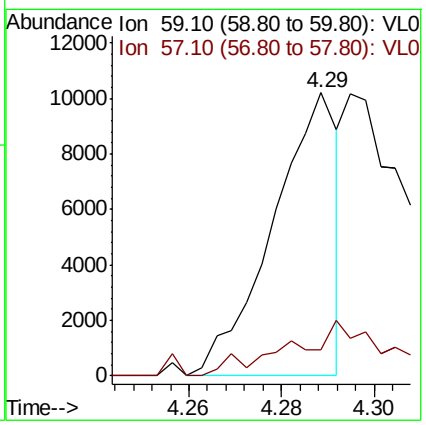


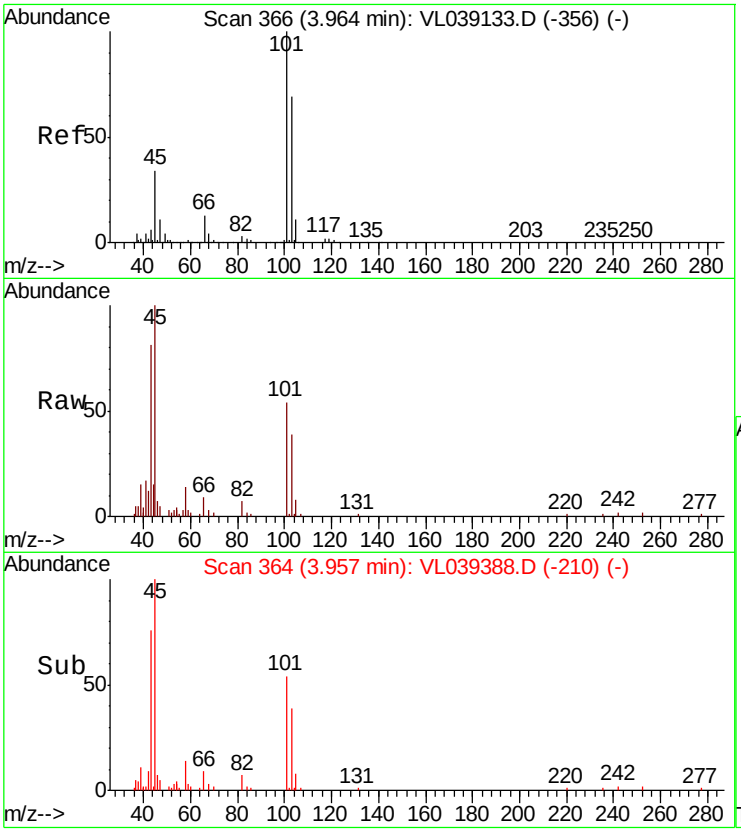


#17
tert-Butyl alcohol
Concen: 0.117 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.00 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 59 Resp: 9958

Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.1	13.7#



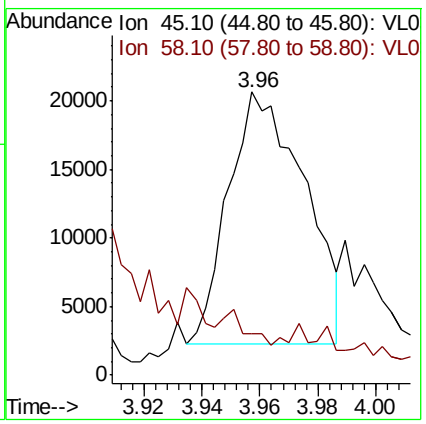


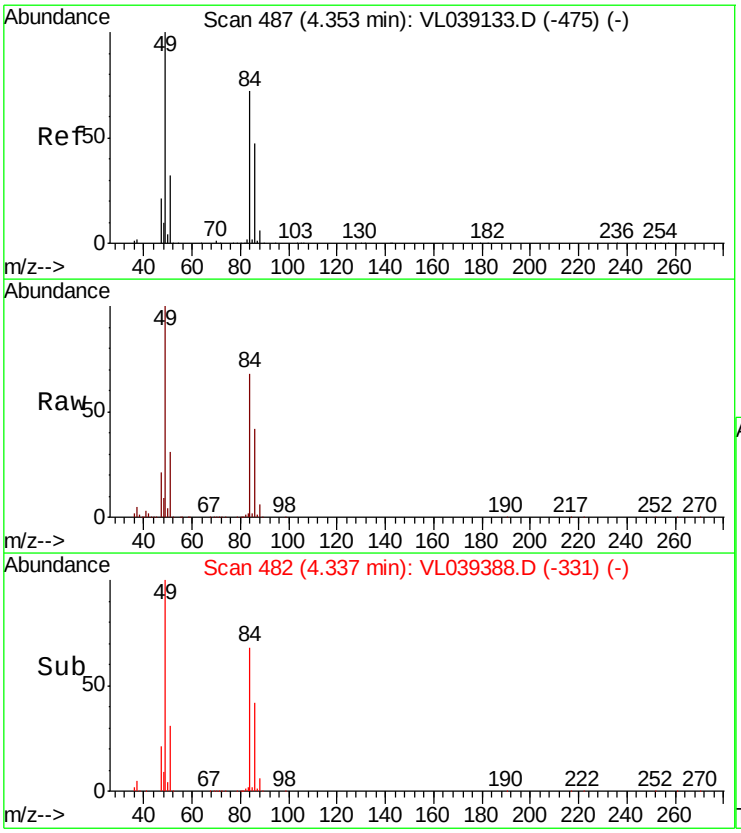
#19
Isopropyl Alcohol
Concen: 0.654 ppbv
RT: 3.96
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 33566

Ion	Ratio	Lower	Upper
45	100		
58	905.6	1.8	2.8#

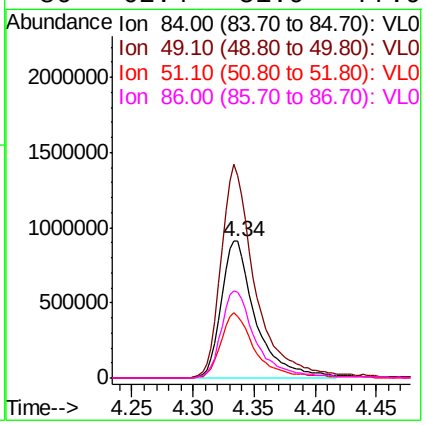


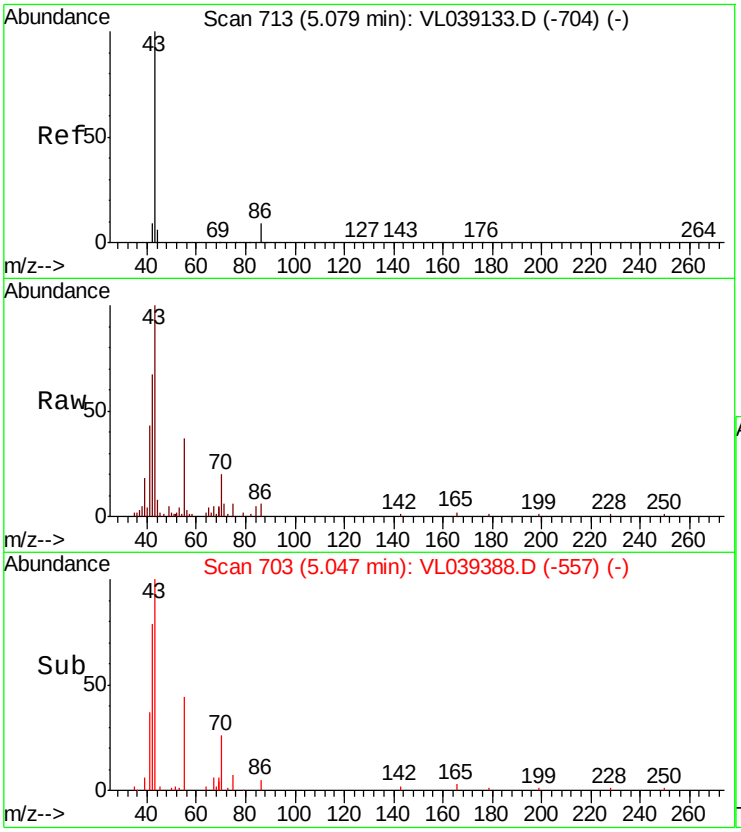


#20
Methylene Chloride
Concen: 39.106 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 84 Resp: 1802486

Ion	Ratio	Lower	Upper
84	100		
49	147.4	111.1	166.7
51	45.1	35.3	52.9
86	62.4	51.9	77.9



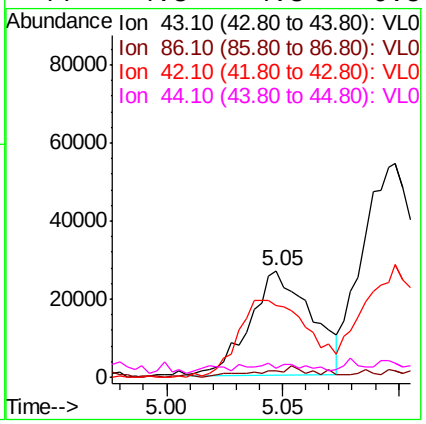


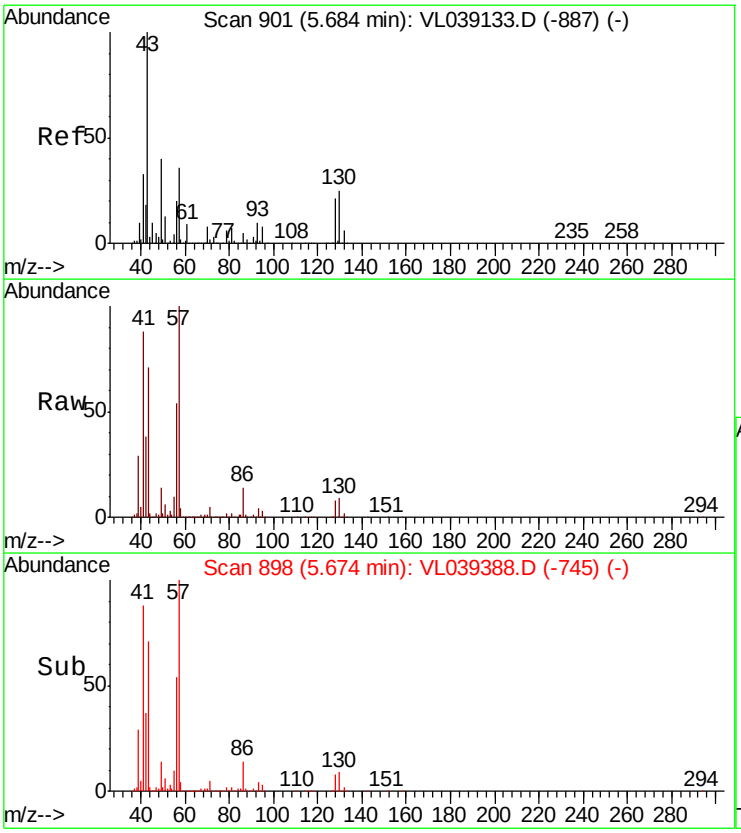
#23
Vinyl Acetate
Concen: 0.542 ppbv
RT: 5.05
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 49090

Ion	Ratio	Lower	Upper
43	100		
86	3.5	6.0	9.0#
42	68.7	8.2	12.4#
44	4.3	4.3	6.5

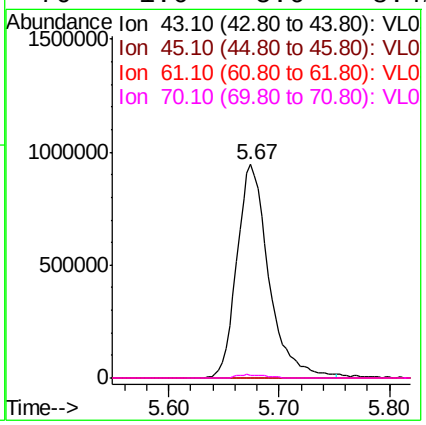


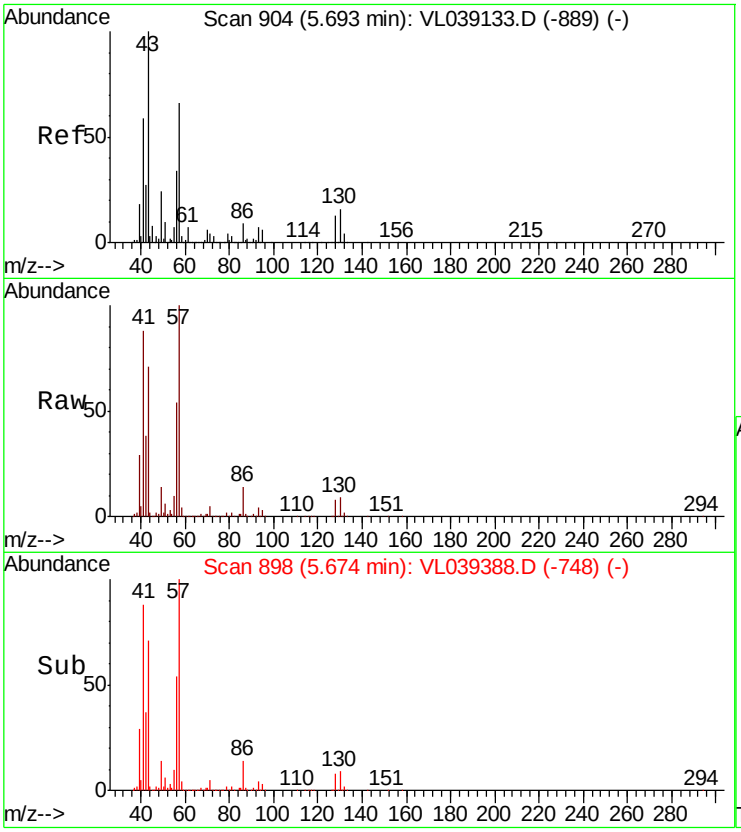


#25
Ethyl Acetate
Concen: 7.696 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 43 Resp: 1897167

Ion	Ratio	Lower	Upper
43	100		
45	0.2	8.2	12.2#
61	0.2	8.4	12.6#
70	1.6	5.6	8.4#



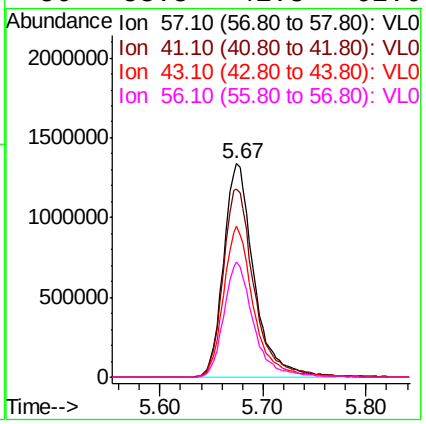


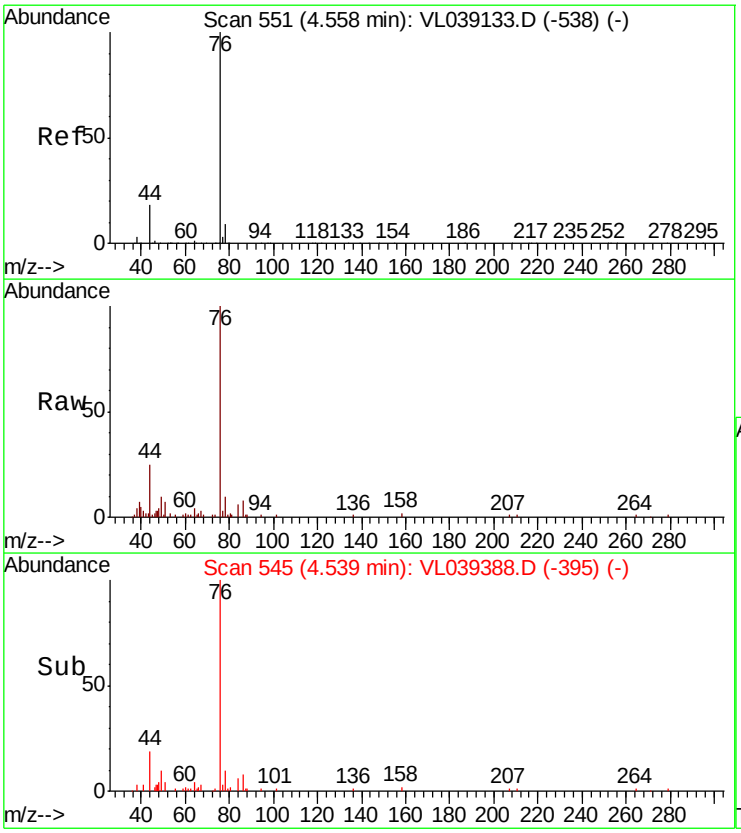
#26
Hexane
Concen: 25.291 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 57 Resp: 2739789

Ion	Ratio	Lower	Upper
57	100		
41	91.2	72.4	108.6
43	70.0	187.0	280.6#
56	53.3	41.8	62.6

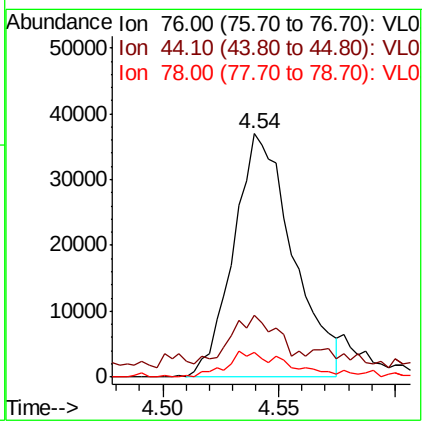


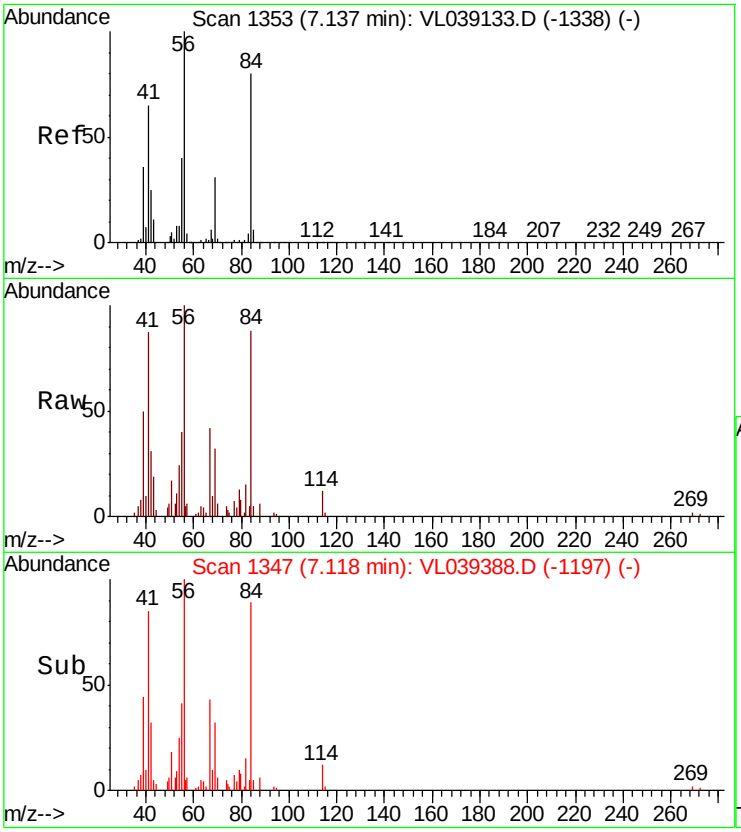


#27
Carbon Disulfide
Concen: 0.586 ppbv
RT: 4.54 min Scan# 545
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 76 Resp: 65768

Ion	Ratio	Lower	Upper
76	100		
44	35.2	14.4	21.6#
78	12.2	7.7	11.5#



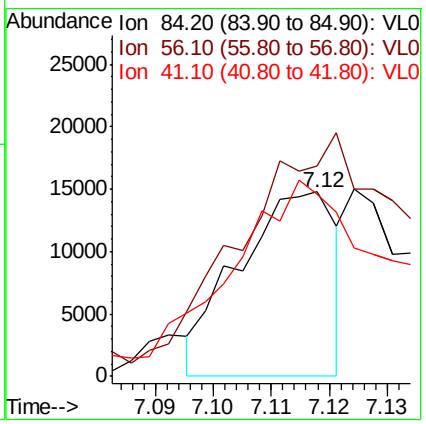


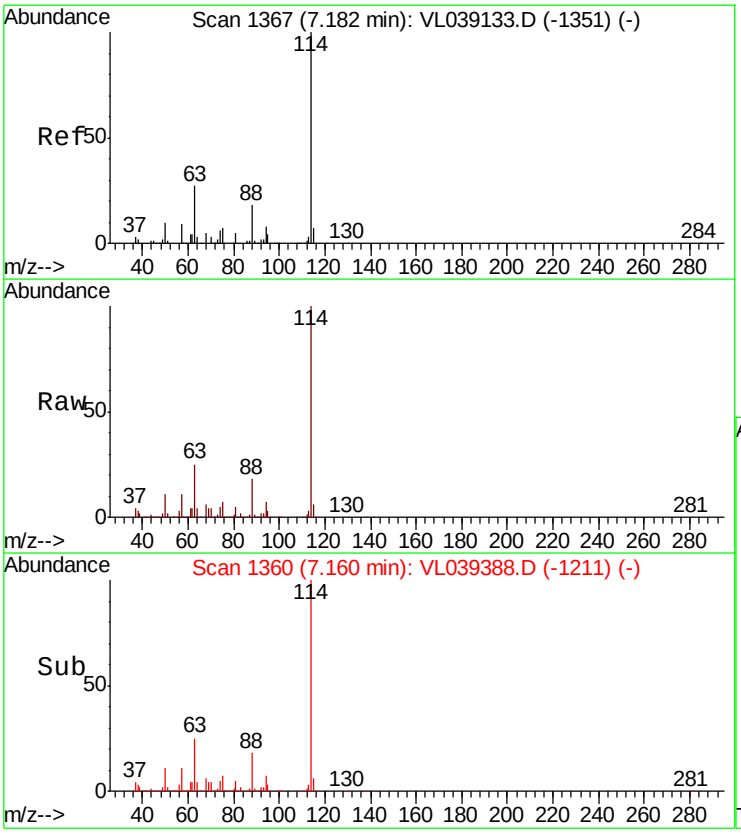
#30
Cyclohexane
Concen: 0.188 ppbv
RT: 7.12
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 84 Resp: 17152

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	201.8	68.9	103.3#

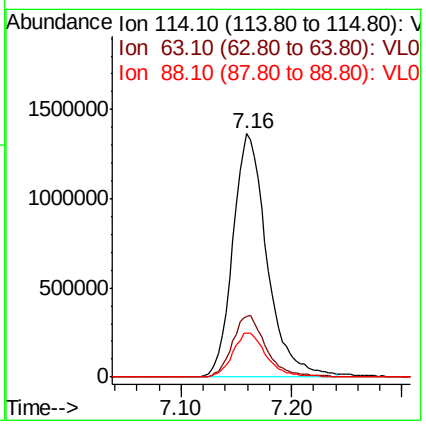


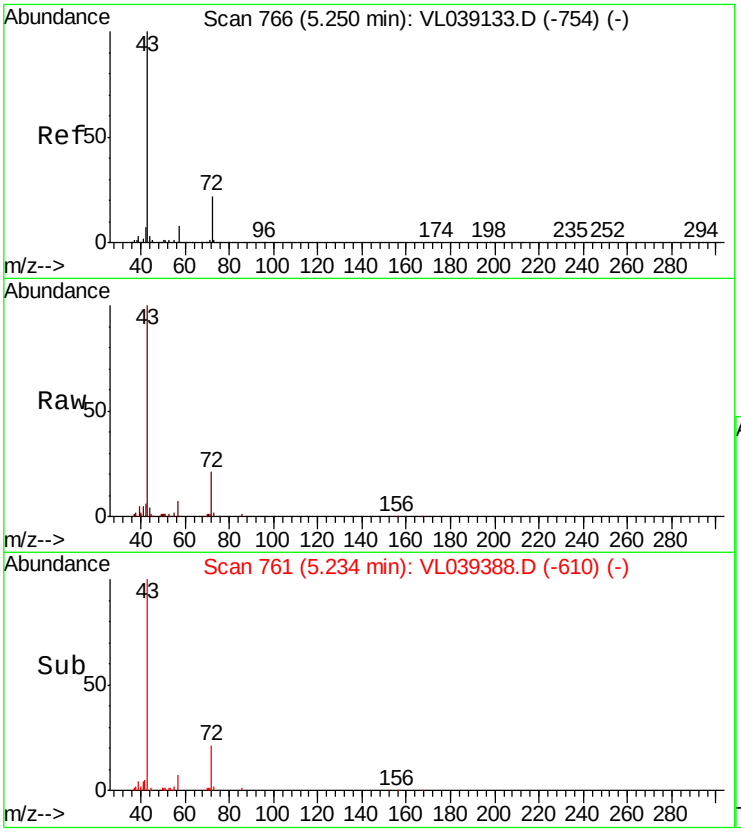


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:114 Resp: 2926712

Ion	Ratio	Lower	Upper
114	100		
63	25.3	21.7	32.5
88	18.2	14.8	22.2



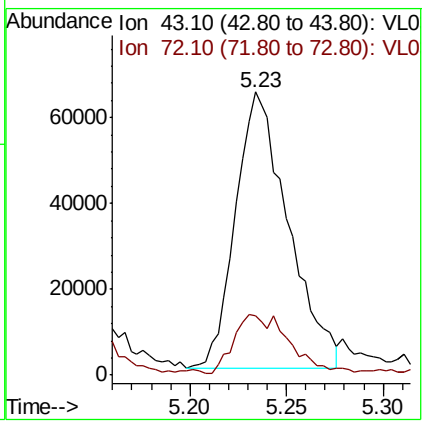


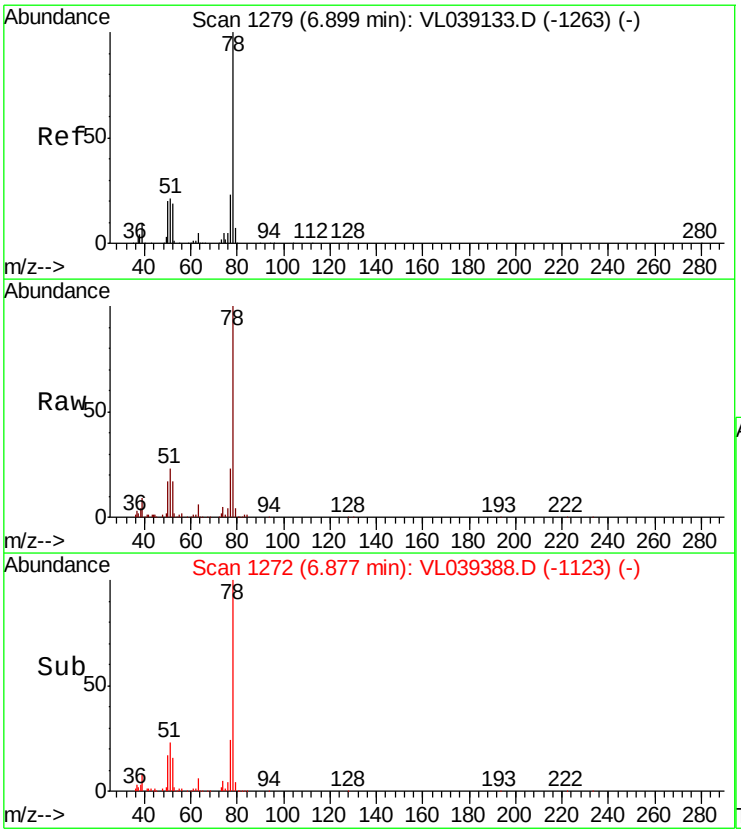
#34
2-Butanone
Concen: 0.766 ppbv
RT: 5.23
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 121873

Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.2	27.2

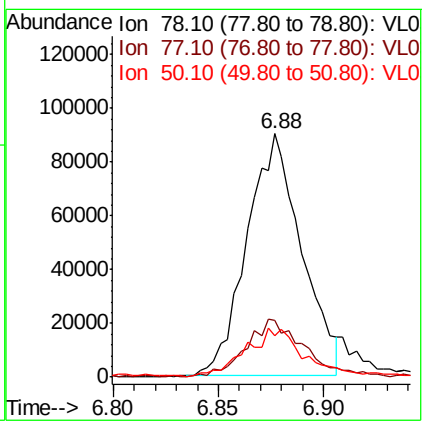


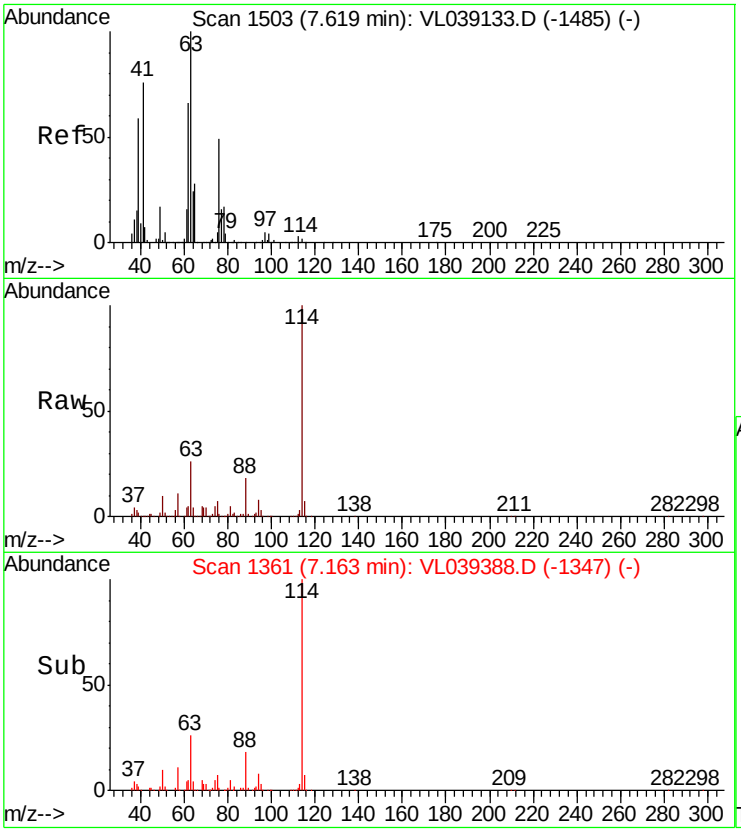


#36
Benzene
Concen: 0.684 ppbv
RT: 6.88 min Scan# 1272
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 78 Resp: 162418

Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.6	27.8
50	17.0	15.8	23.8



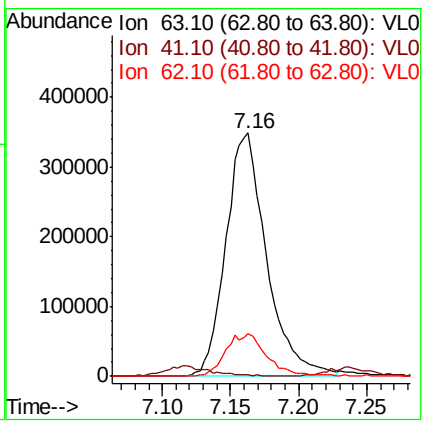


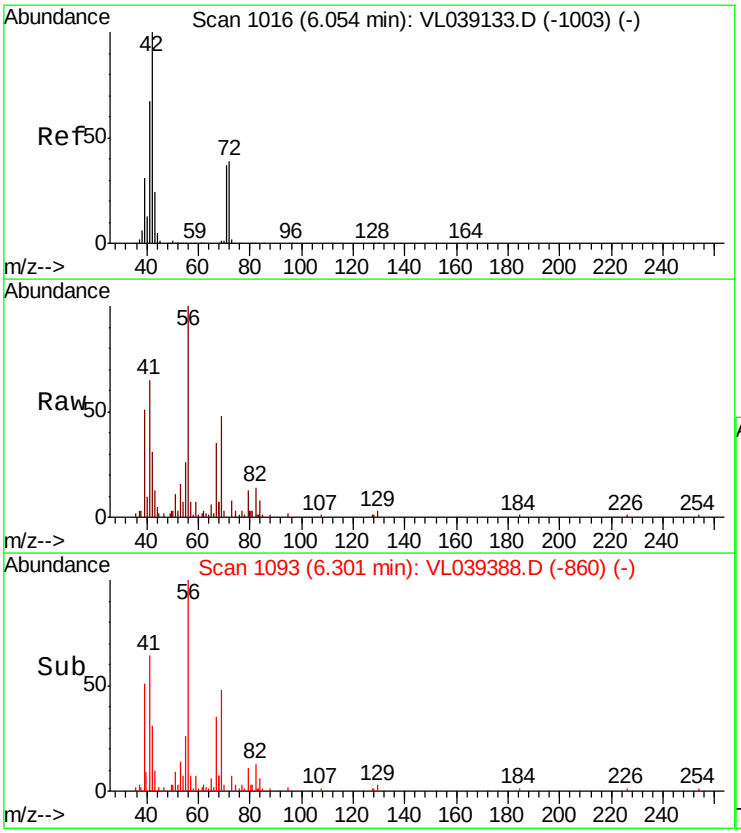
#39
1,2-Dichloropropane
Concen: 7.617 ppbv
RT: 7.16
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 63 Resp: 719867

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	17.3	52.9	79.3#

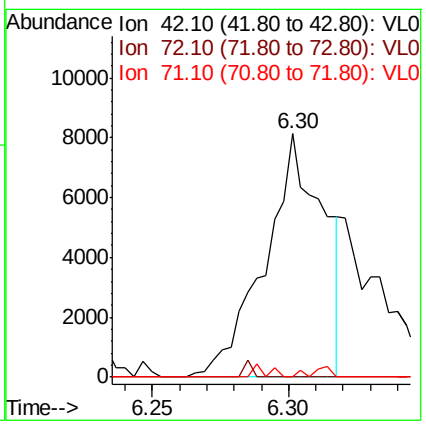


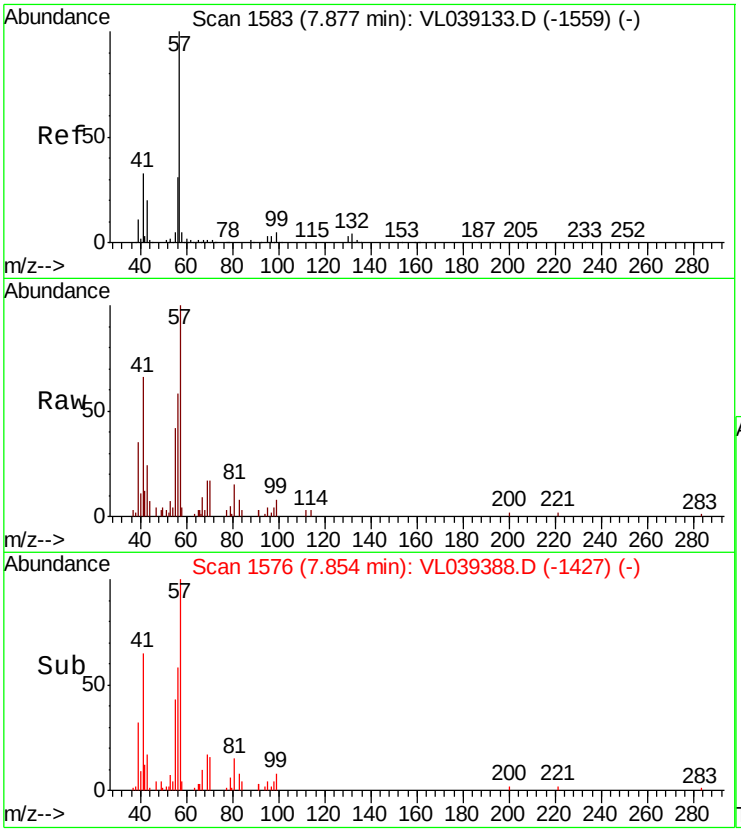


#41
Tetrahydrofuran
Concen: 0.127 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. 0.25 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 42 Resp: 12143

Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.0	48.0#
71	0.0	31.1	46.7#



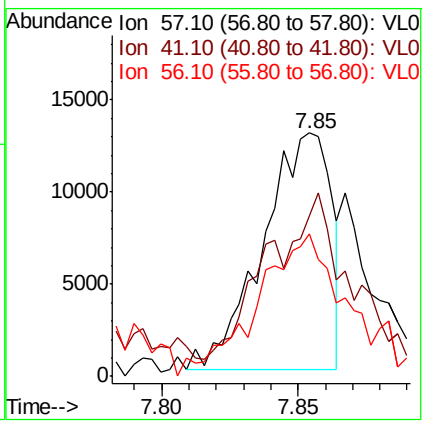


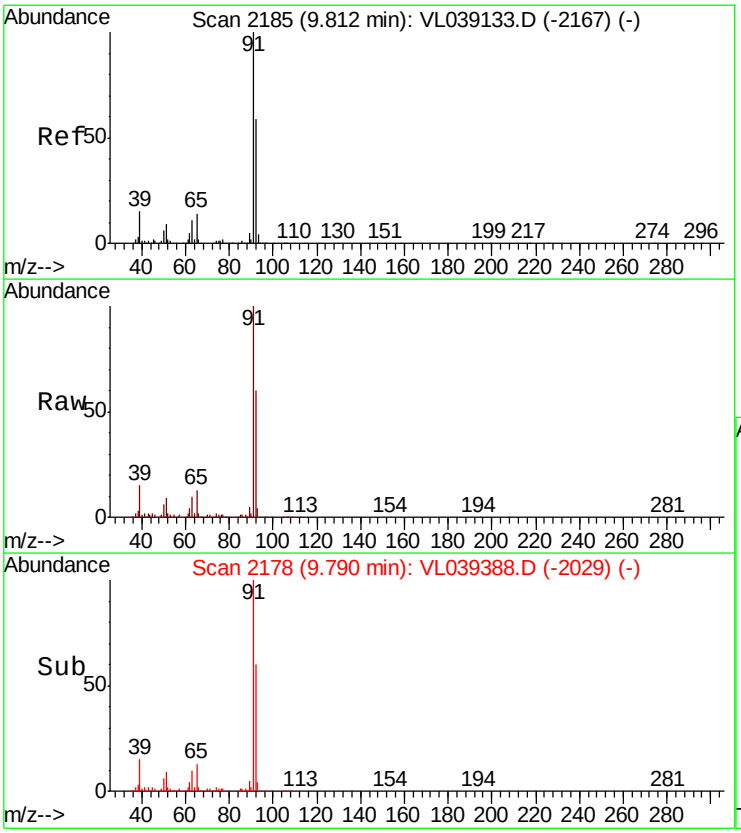
#44
2,2,4-Trimethylpentane
Concen: 0.054 ppbv
RT: 7.85
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 57 Resp: 22306

Ion	Ratio	Lower	Upper
57	100		
41	98.7	26.2	39.4#
56	86.6	24.7	37.1#

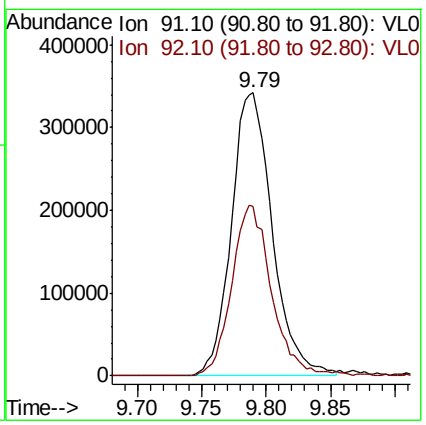


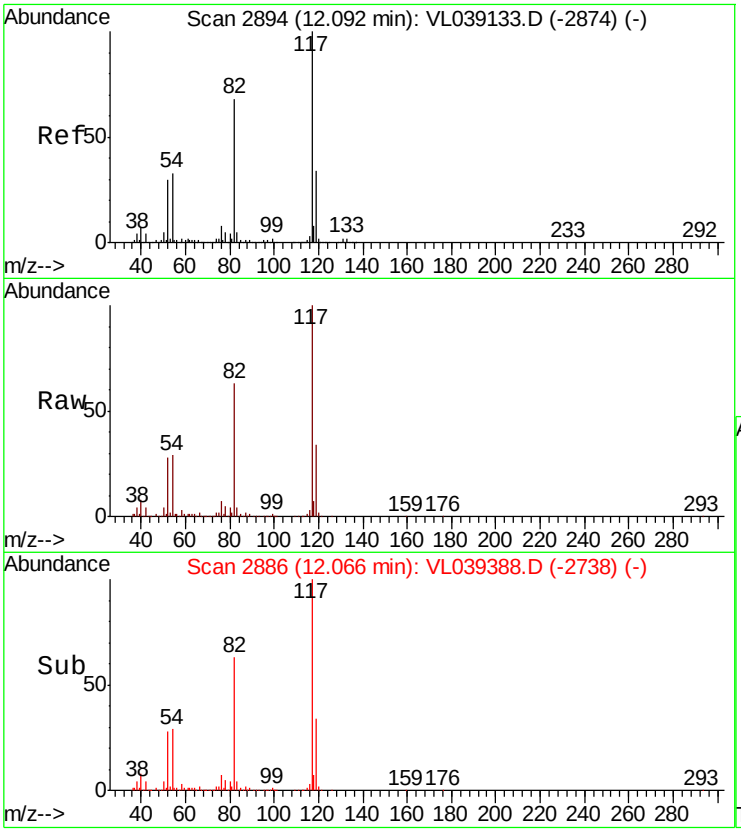


#53
Toluene
Concen: 2.751 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 91 Resp: 752795

Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.1	72.1



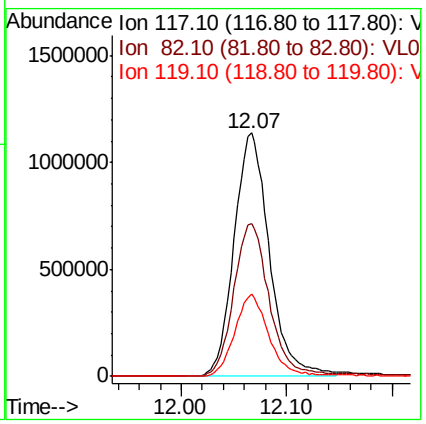


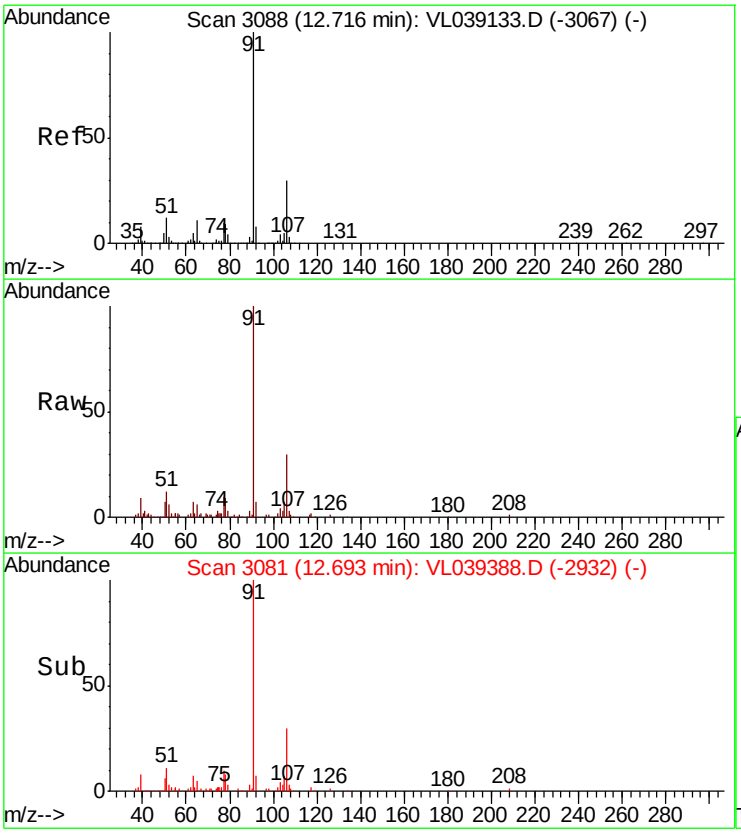
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:117 Resp: 2644575

Ion	Ratio	Lower	Upper
117	100		
82	65.3	55.1	82.7
119	33.3	24.7	37.1

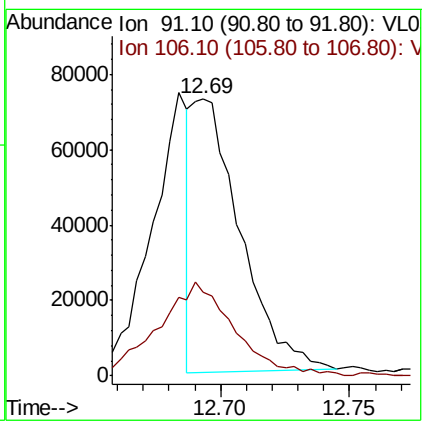


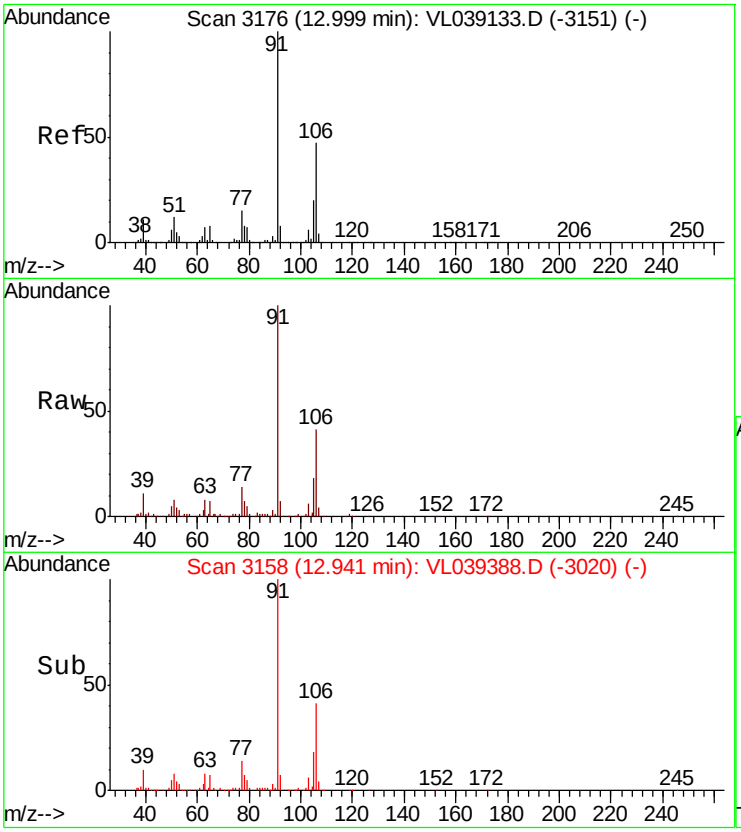


#58
Ethyl Benzene
Concen: 0.256 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 91 Resp: 93099

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4



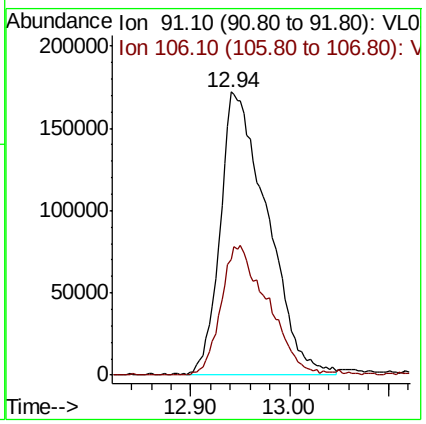


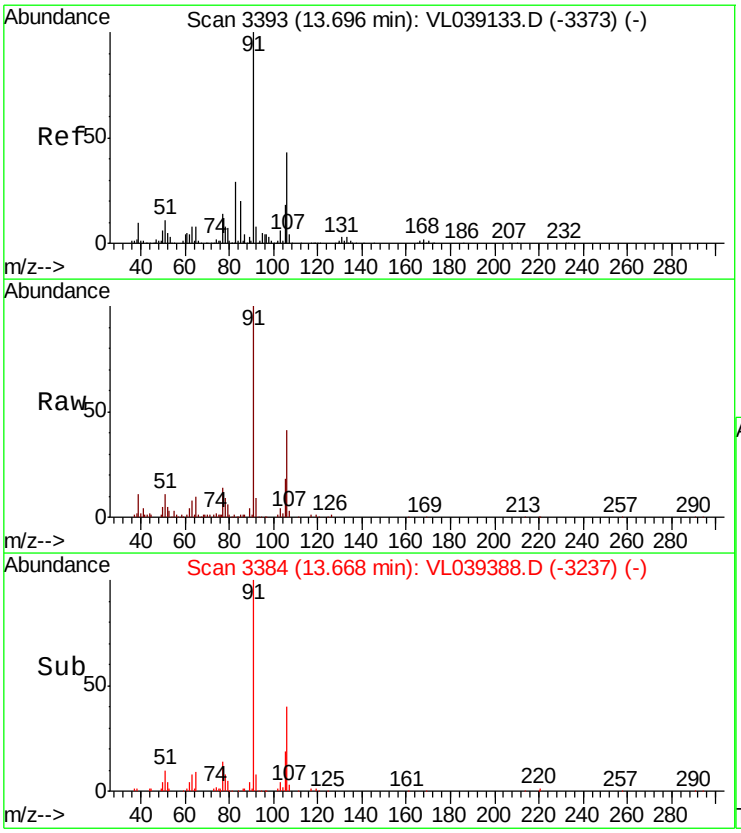
#59
m/p-Xylene
Concen: 1.769 ppbv
RT: 12.94
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 91 Resp: 567403

Ion	Ratio	Lower	Upper
91	100		
106	45.2	34.3	51.5

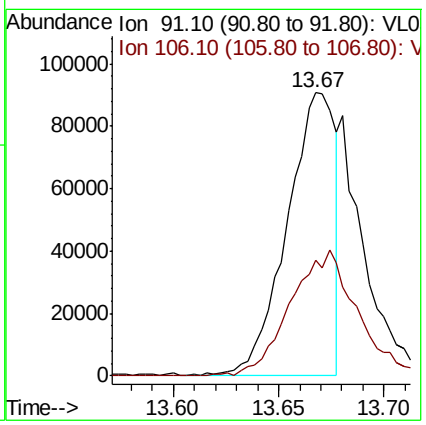


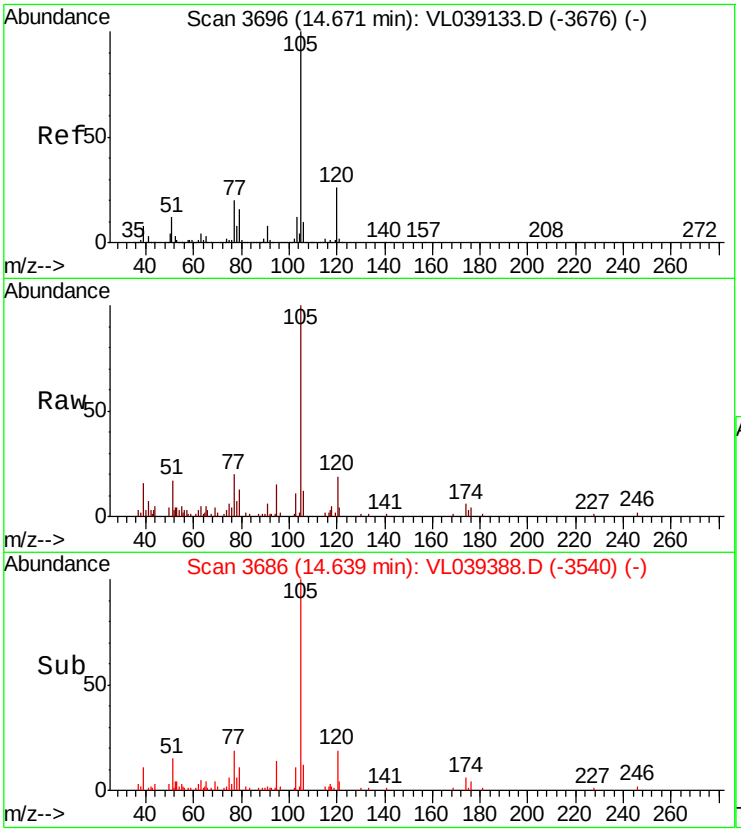


#60
o-Xylene
Concen: 0.477 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 91 Resp: 143924

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.3	66.9#



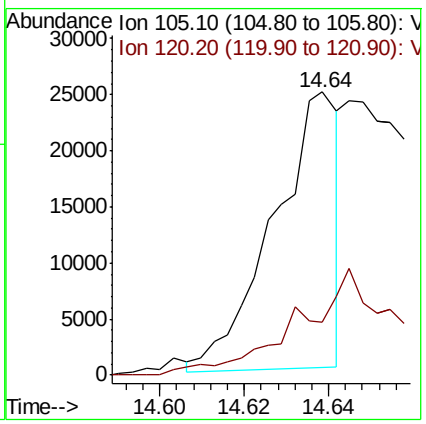


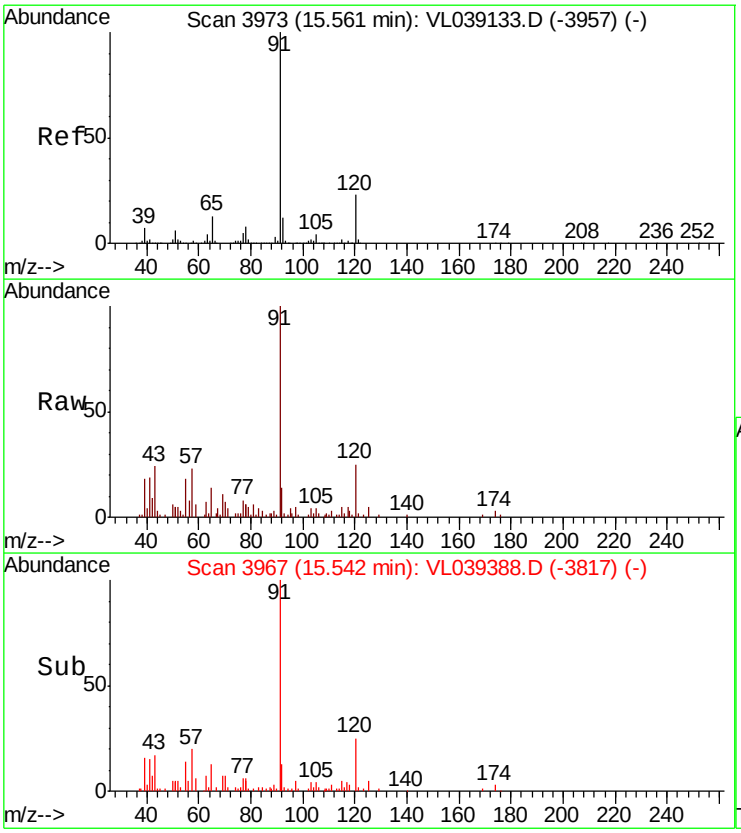
#62
Isopropylbenzene
Concen: 0.058 ppbv
RT: 14.64
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 26201

Ion	Ratio	Lower	Upper
105	100		
120	0.0	20.3	30.5#

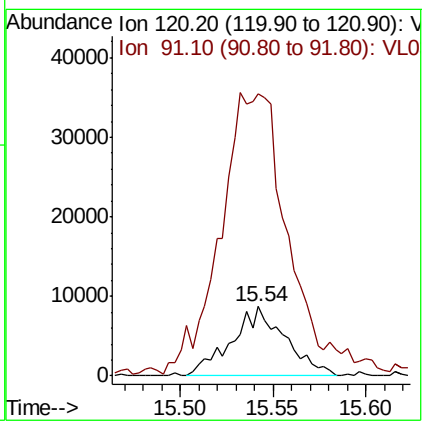


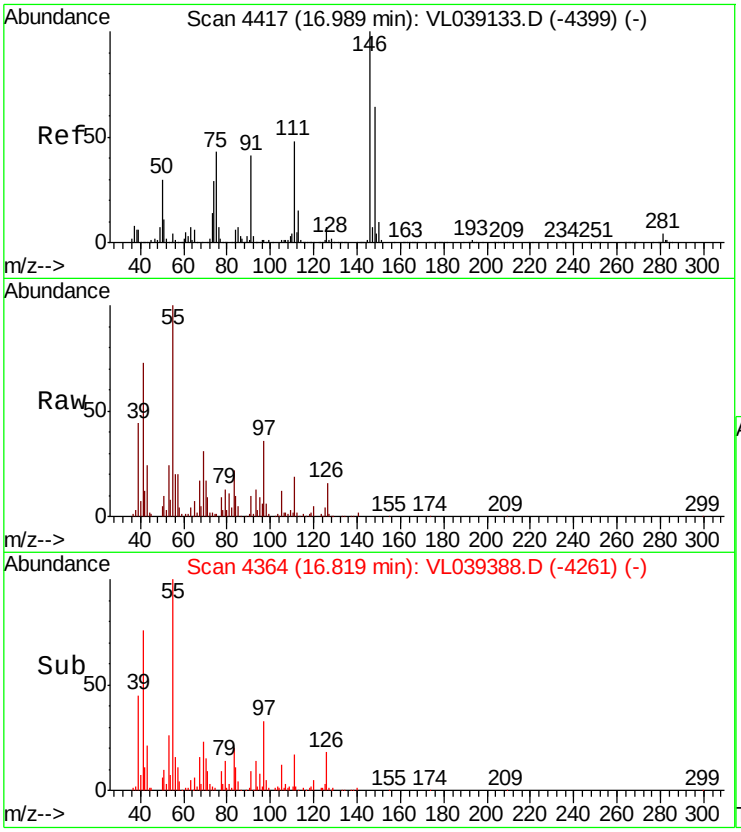


#64
n-propylbenzene
Concen: 0.158 ppbv
RT: 15.54 min Scan# 3967
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:120 Resp: 17425

Ion	Ratio	Lower	Upper
120	100		
91	522.3	388.4	582.6



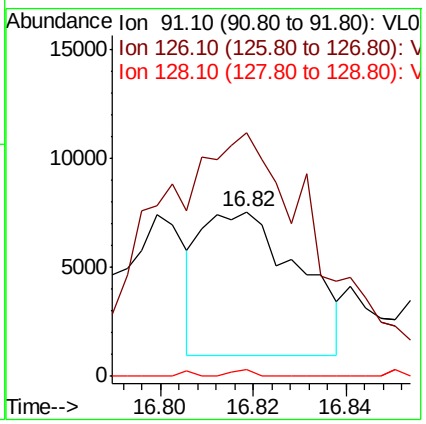


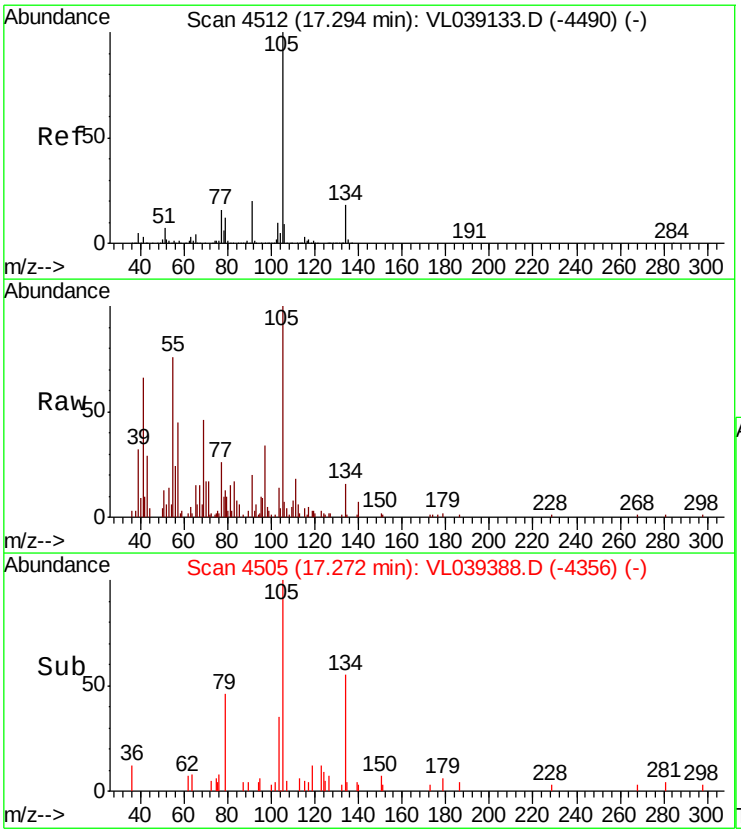
#66
Benzyl Chloride
Concen: 0.180 ppbv
RT: 16.82
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 91 Resp: 9588

Ion	Ratio	Lower	Upper
91	100		
126	328.0	13.4	20.0#
128	1.1	4.1	6.1#

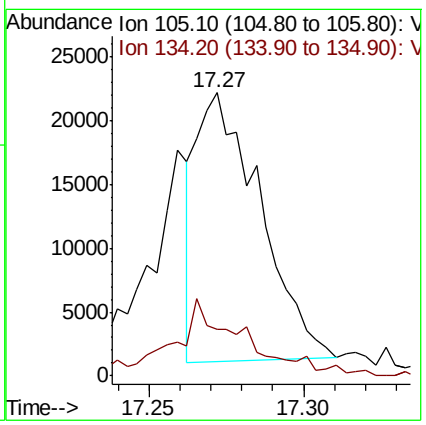


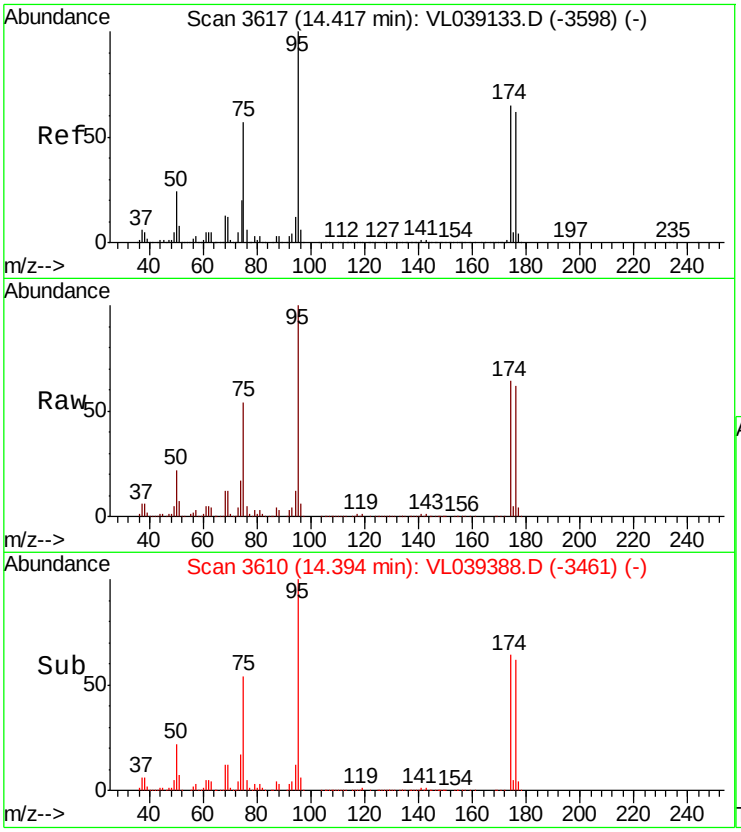


#67
sec-Butylbenzene
Concen: 0.054 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:105 Resp: 29940

Ion	Ratio	Lower	Upper
105	100		
134	33.9	14.4	21.6#



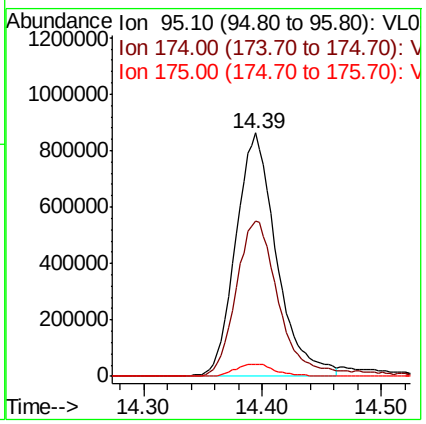


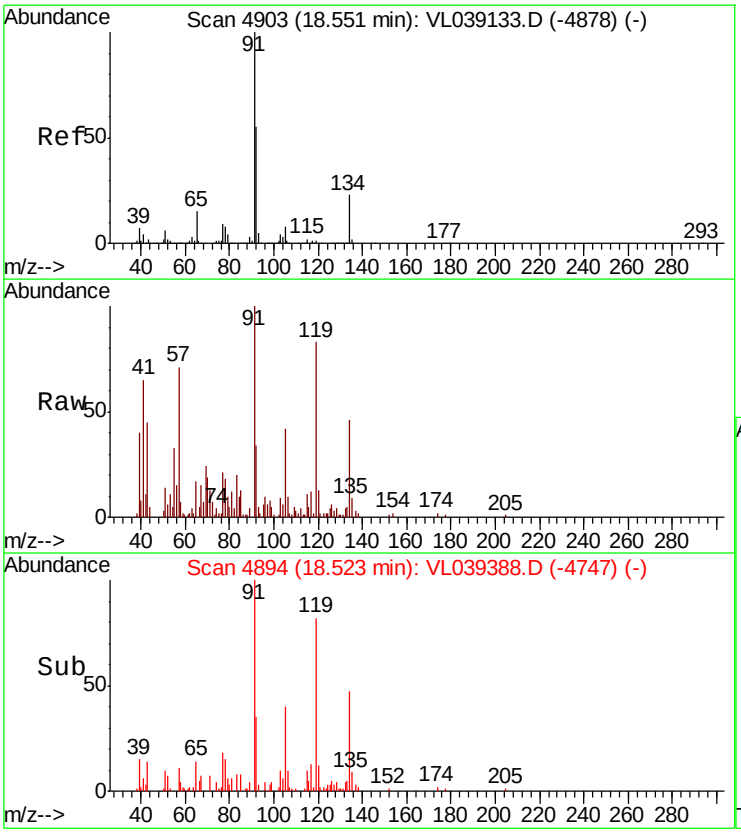
#68
1-Bromo-4-Fluorobenzene
Concen: 9.347 ppbv
RT: 14.39
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 95 Resp: 2043568

Ion	Ratio	Lower	Upper
95	100		
174	69.6	53.8	80.8
175	5.3	4.1	6.1

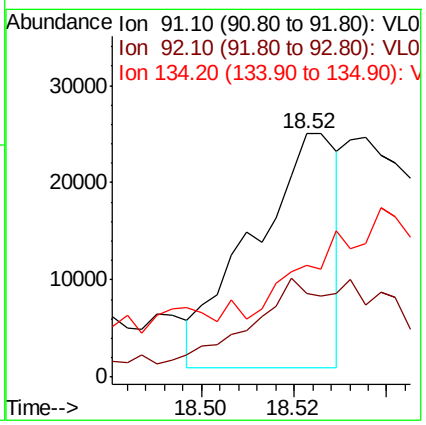


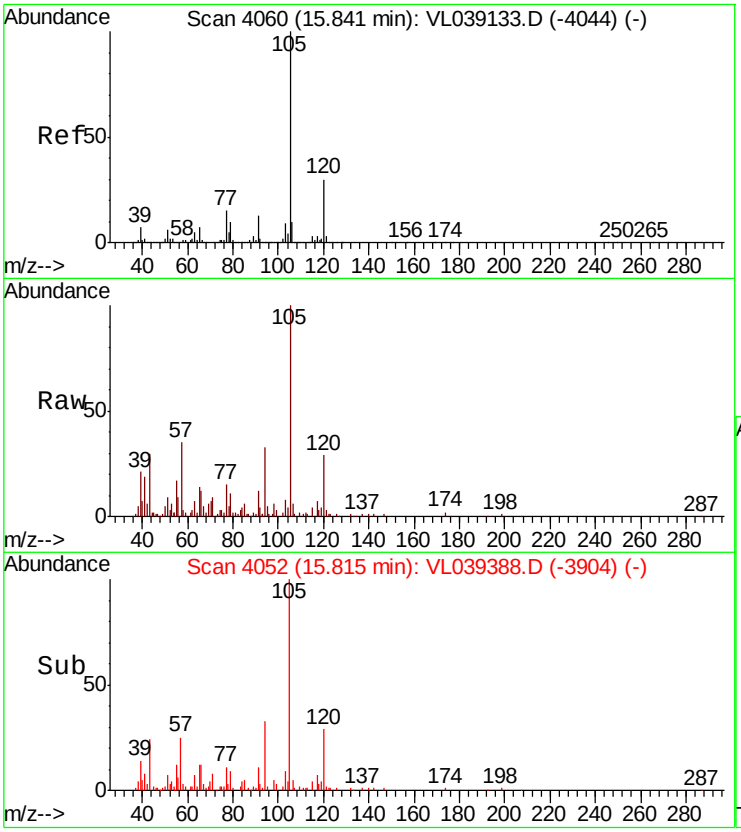


#70
n-Butylbenzene
Concen: 0.063 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.03 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion: 91 Resp: 30574

Ion	Ratio	Lower	Upper
91	100		
92	91.3	43.6	65.4#
134	0.0	17.7	26.5#



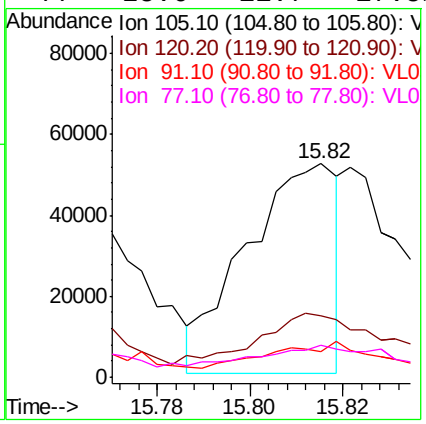


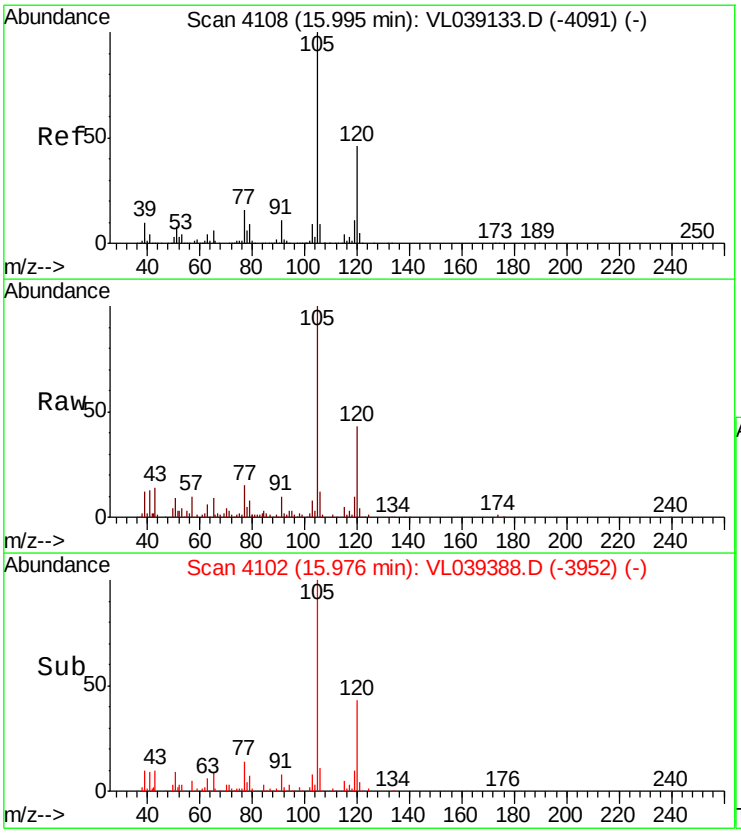
#72
4-Ethyltoluene
Concen: 0.200 ppbv
RT: 15.82
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 70574

Ion	Ratio	Lower	Upper
105	100		
120	51.3	23.9	35.9#
91	0.0	10.6	16.0#
77	25.6	11.7	17.5#

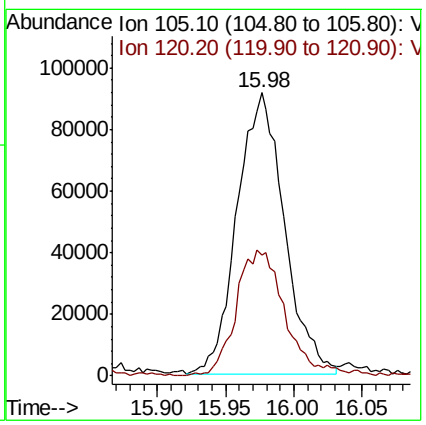


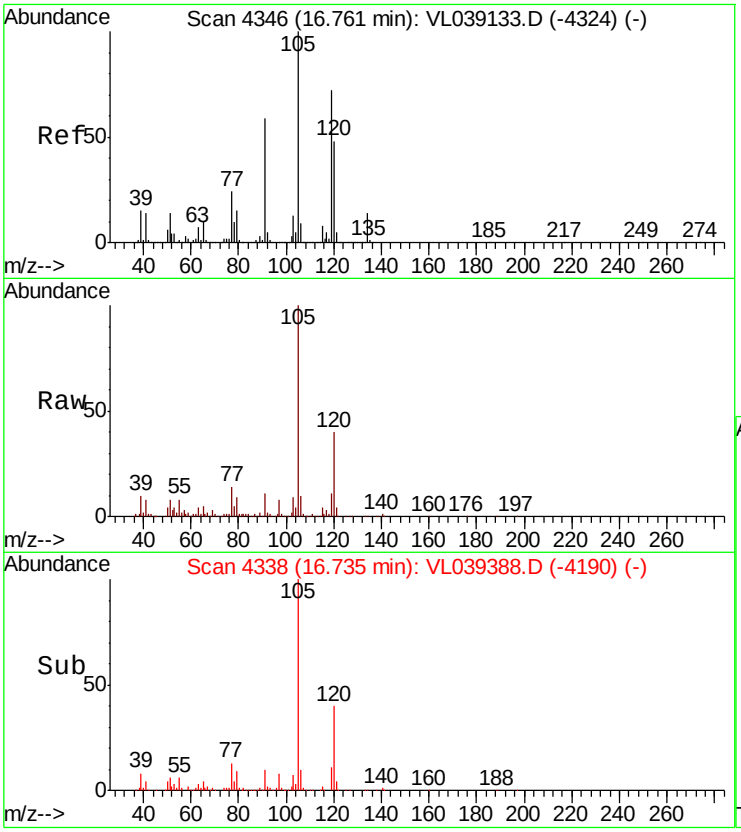


#73
1,3,5-Trimethylbenzene
Concen: 0.690 ppbv
RT: 15.98 min Scan# 4102
Delta R.T. -0.02 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:105 Resp: 219956

Ion	Ratio	Lower	Upper
105	100		
120	42.9	36.7	55.1



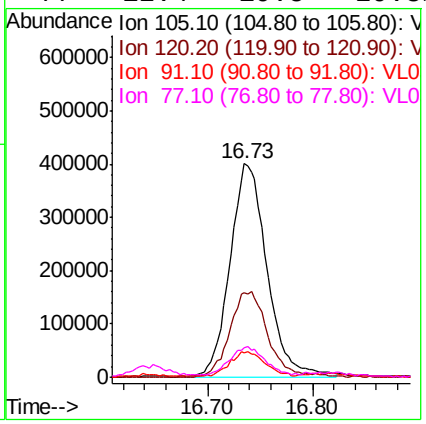


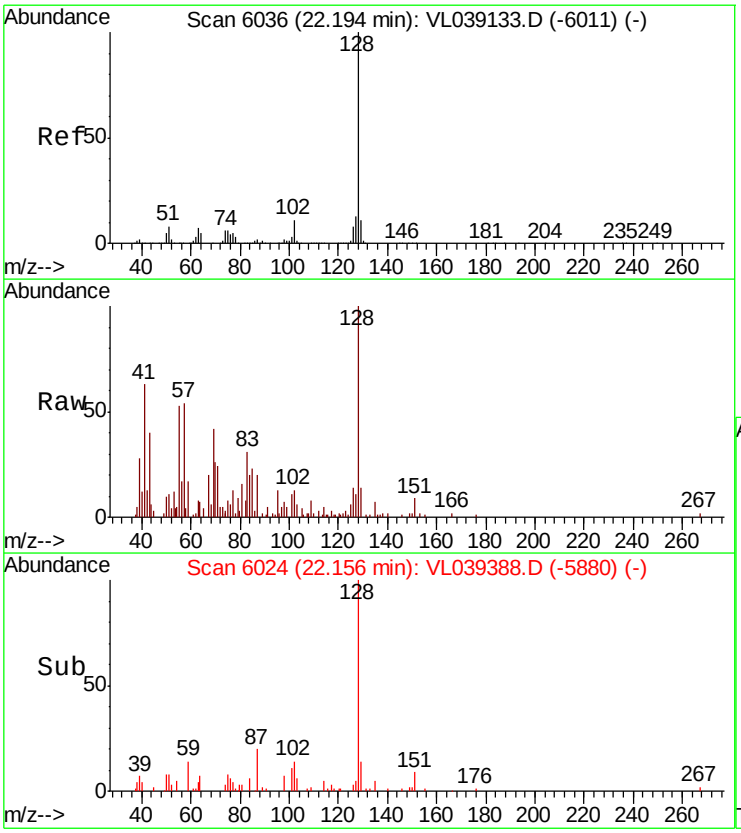
#74
1,2,4-Trimethylbenzene
Concen: 2.740 ppbv
RT: 16.73
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 974363

Ion	Ratio	Lower	Upper
105	100		
120	39.5	38.1	57.1
91	10.6	47.4	71.0#
77	12.4	19.5	29.3#

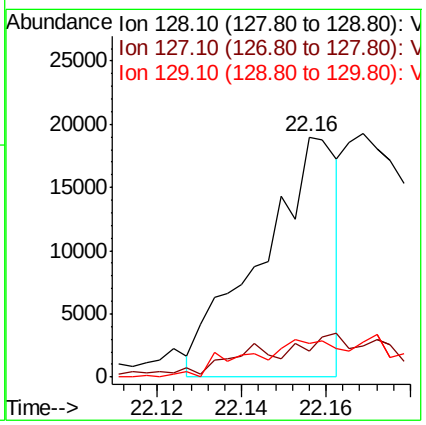


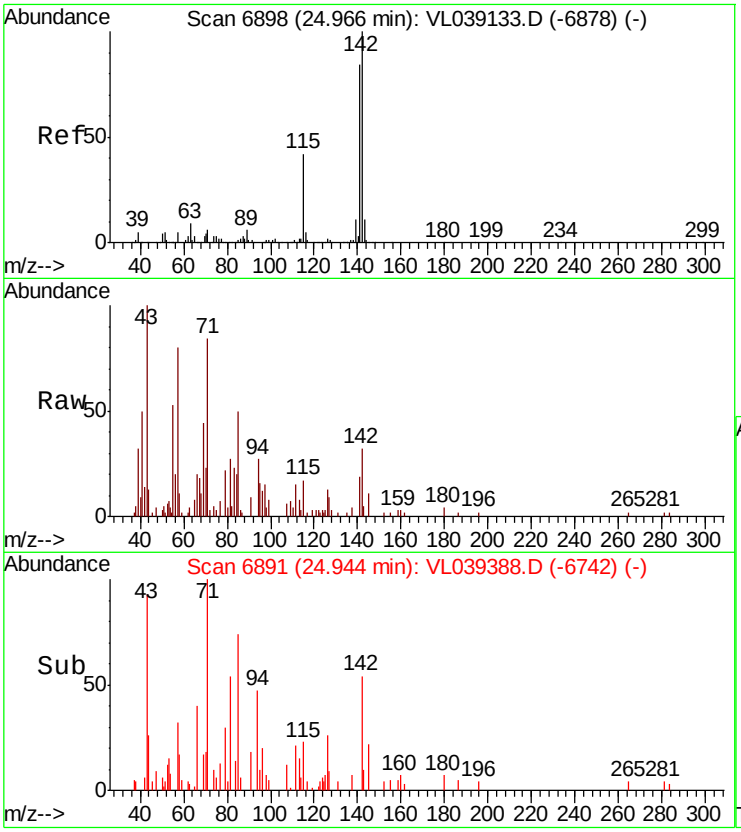


#79
Naphthalene
Concen: 0.087 ppbv
RT: 22.16 min Scan# 6024
Delta R.T. -0.04 min
Lab File: VL039388.D
Acq: 28 Jun 2022 11:11

Tgt Ion:128 Resp: 23889

Ion	Ratio	Lower	Upper
128	100		
127	7.7	10.4	15.6#
129	12.5	9.0	13.6





#80
Naphthalene,2-methyl-
Concen: 0.056 ppbv
RT: 24.94
Delta R.T
Lab File:
Acq: 28 Jun 2022 11:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:142 Resp: 5688

Ion	Ratio	Lower	Upper
142	100		
141	101.6	64.6	96.8#
115	72.3	32.7	49.1#