Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039111.D
Acq On : 24 May 2022 9:11
Operator : SY/AP
Sample : N2991-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-1

Quant Time: May 25 04:14:13 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	1241737	10.00	ppbv		-0.02
33) 1,4-Difluorobenzene	7.15	114	3101892	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.05	117	2774048	10.00	ppbv		-0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.38	95	2266445	10.32	ppbv		-0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.91	51	11593950	75.244	ppbv	#	57
4) Chloromethane	2.91	50	3905844	50.618	ppbv	#	47
5) Vinyl Chloride	2.98	62	3710	0.053	ppbv	#	1
9) Propene	3.00	41	84009	1.248	ppbv	#	38
10) Heptane	8.09	43	671874	4.070	ppbv		100
13) Ethanol	3.59	45	535419	112.438	ppbv		90
15) Acetone	3.83	43	17118022	146.142	ppbv	#	82
16) 1,3-Butadiene	3.31	39	20180	0.300	ppbv	#	65
17) tert-Butyl alcohol	4.28	59	84581	0.940	ppbv	#	93
19) Isopropyl Alcohol	3.95	45	361520	6.491	ppbv	#	95
20) Methylene Chloride	4.33	84	42870	0.971	ppbv		96
23) Vinyl Acetate	5.03	43	44266	0.478	ppbv	#	11
25) Ethyl Acetate	5.66	43	110118	0.393	ppbv	#	79
26) Hexane	5.66	57	150681	1.210	ppbv	#	37
27) Carbon Disulfide	4.53	76	29220	0.247	ppbv	#	72
29) Chloroform	5.74	83	26294	0.130	ppbv		96
30) Cyclohexane	7.11	84	37898	0.363	ppbv	#	47
34) 2-Butanone	5.22	43	277241	1.752	ppbv		98
36) Benzene	6.86	78	187238	0.705	ppbv		96
39) 1,2-Dichloropropane	7.15	63	794174	7.689	ppbv	#	25
41) Tetrahydrofuran	6.02	42	6887	0.065	ppbv	#	36
42) Bromodichloromethane	7.76	83	14777	0.066	ppbv	#	27
44) 2,2,4-Trimethylpentane	7.84	57	429897	0.923	ppbv	#	70
50) 4-Methyl-2-Pentanone	8.72	43	33240	0.120	ppbv	#	39
52) Tetrachloroethene	11.19	164	142964	1.507	ppbv		93
53) Toluene	9.77	91	1733743	5.827	ppbv		99
58) Ethyl Benzene	12.67	91	402060	1.007	ppbv		98
59) m/p-Xylene	12.94	91	734960	2.156	ppbv	#	35
60) o-Xylene	13.65	91	329193	1.026	ppbv		98
62) Isopropylbenzene	14.63	105	802278	1.710	ppbv		97
64) n-propylbenzene	15.52	120	29342	0.259	ppbv	#	34
65) tert-Butylbenzene	16.72	119	28503	0.069	ppbv	#	1
72) 4-Ethyltoluene	15.80	105	249671	0.683	ppbv		97
73) 1,3,5-Trimethylbenzene	15.96	105	94427	0.287	ppbv		95
74) 1,2,4-Trimethylbenzene	16.72	105	544130	1.510	ppbv	#	65

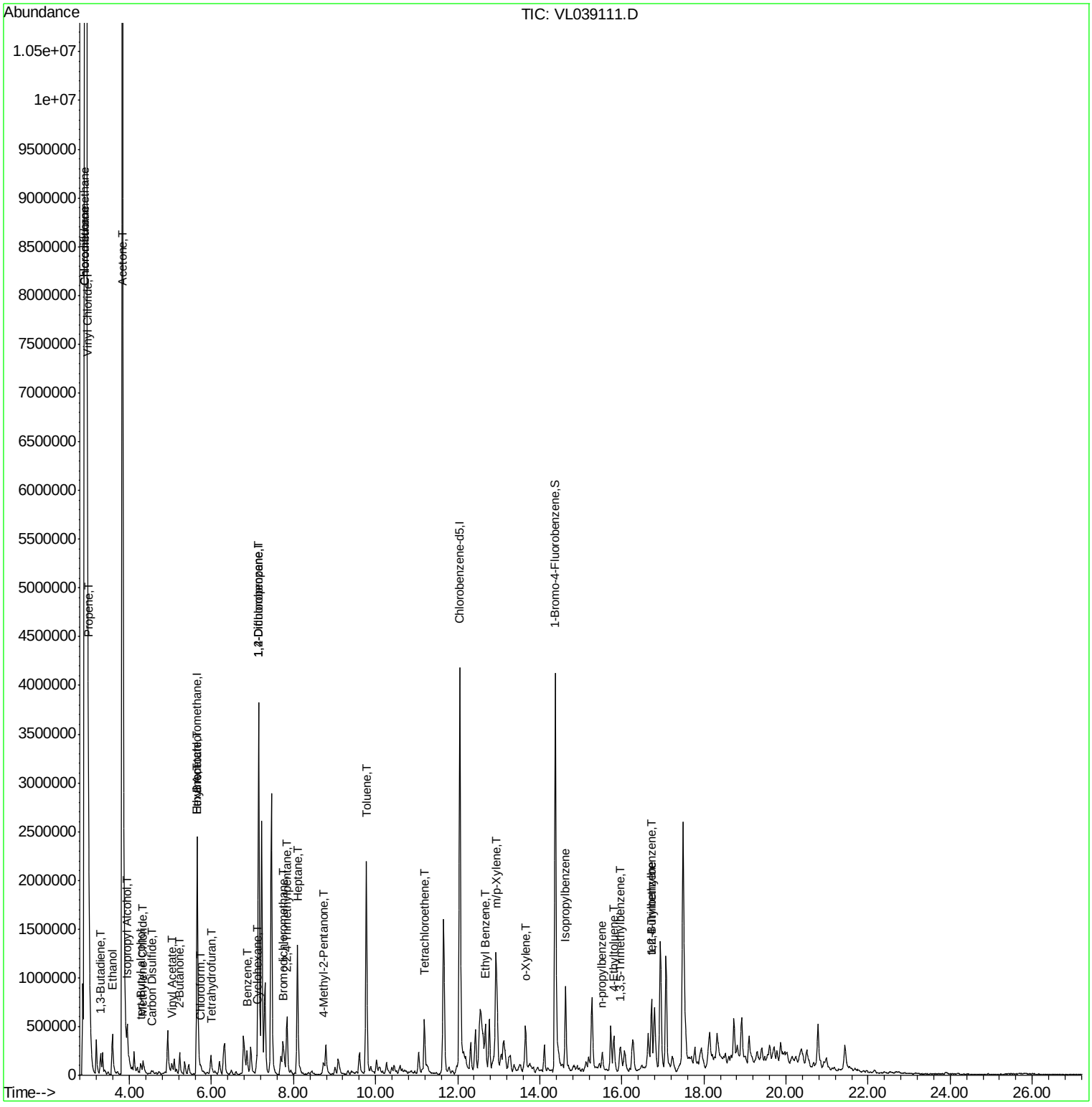
(#) = qualifier out of range (m) = manual integration (+) = signals summed

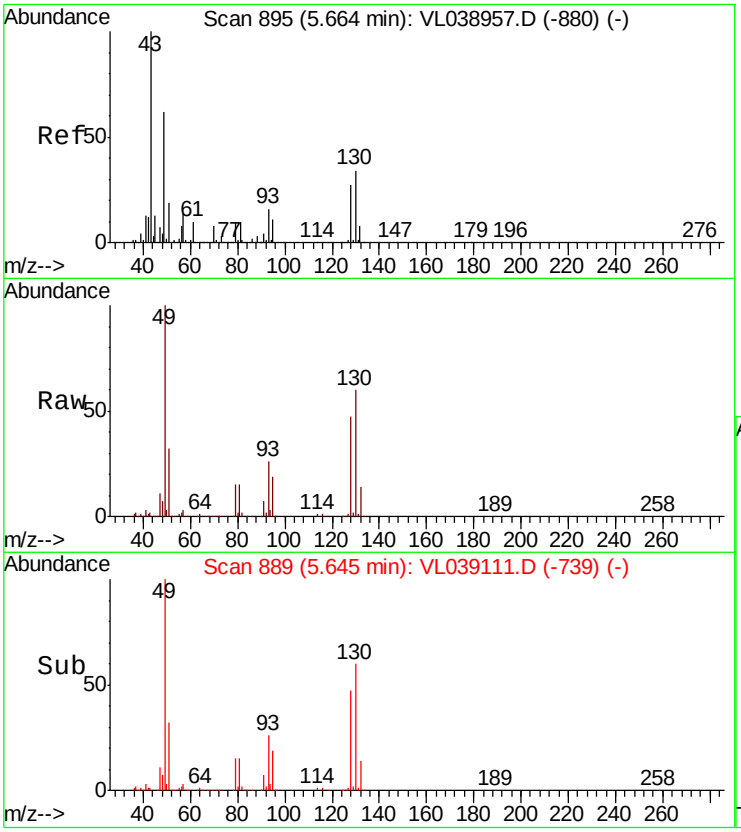
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052322\
Data File : VL039111.D
Acq On : 24 May 2022 9:11
Operator : SY/AP
Sample : N2991-02 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Quant Time: May 25 04:14:13 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



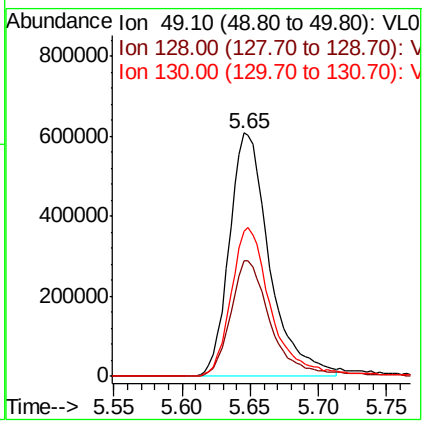


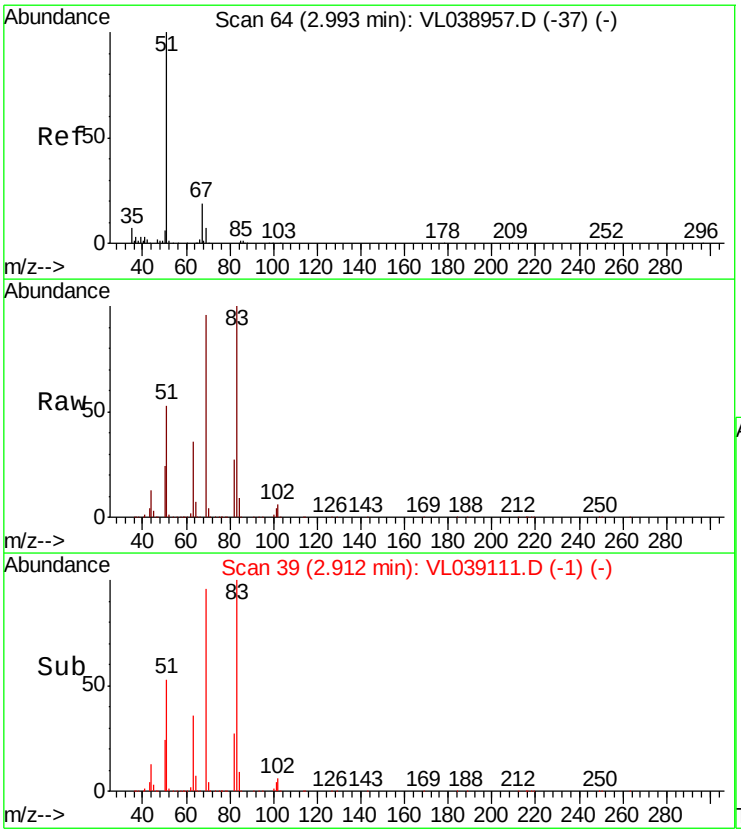
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 49 Resp: 1241737

Ion	Ratio	Lower	Upper
49	100		
128	48.4	23.3	69.8
130	62.7	29.8	89.3

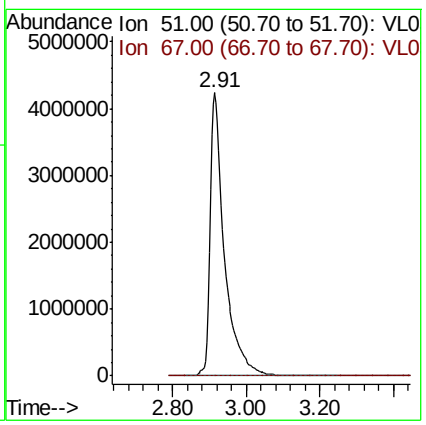


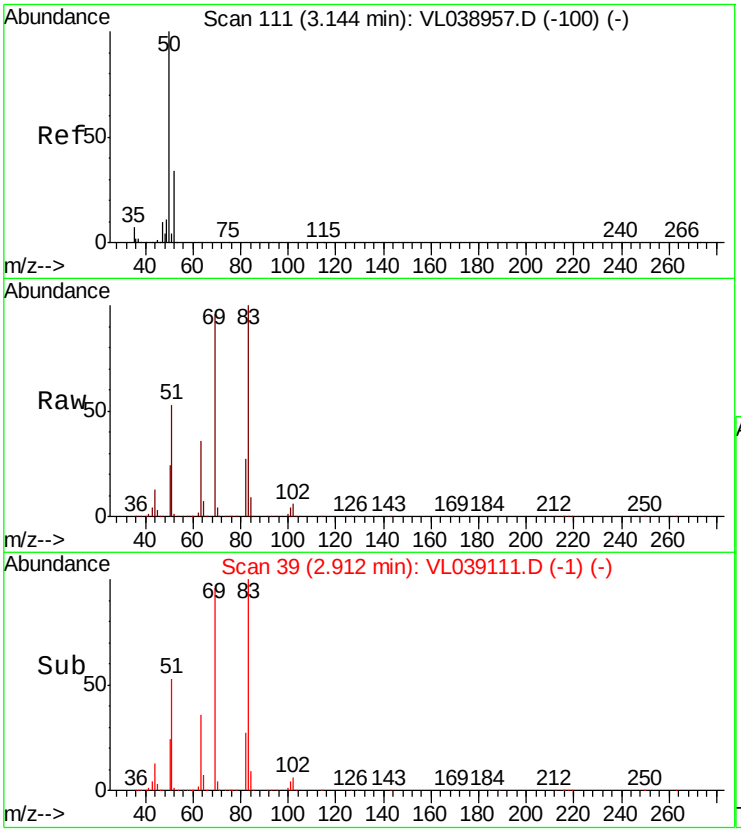


#3
Chlorodifluoromethane
Concen: 75.244 ppbv
RT: 2.91 min Scan# 39
Delta R.T. -0.08 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 51 Resp:11593950

Ion	Ratio	Lower	Upper
51	100		
67	0.0	15.8	23.8#



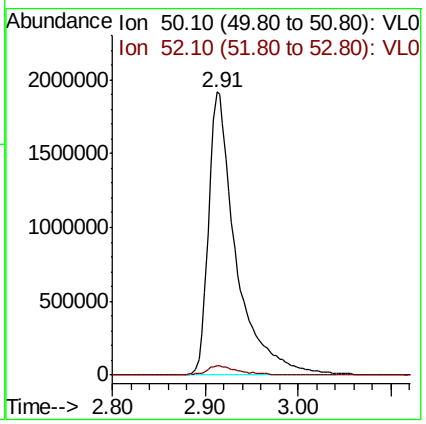


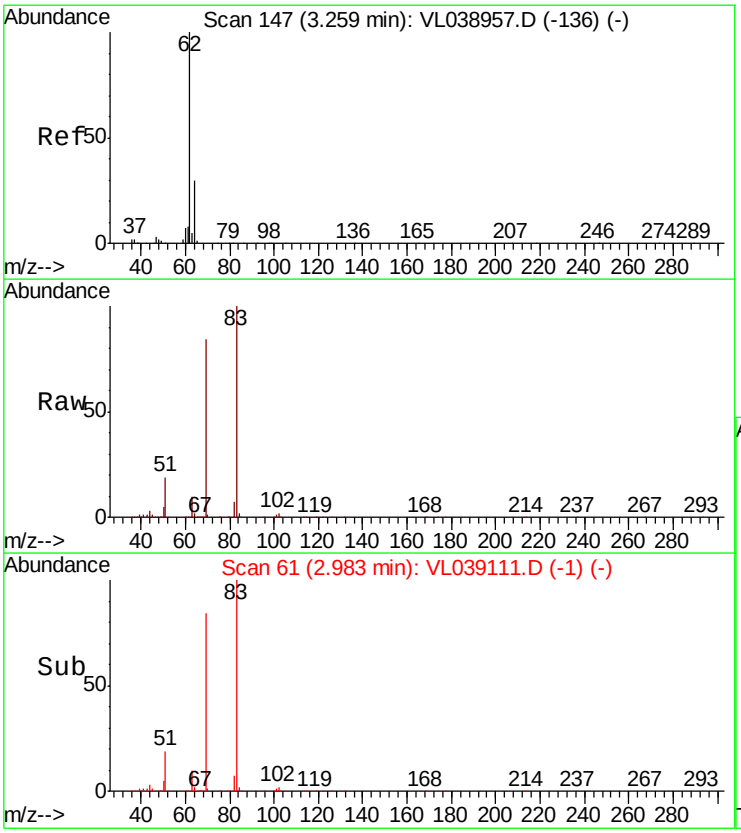
#4
Chloromethane
Concen: 50.618 ppbv
RT: 2.91
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 50 Resp: 3905844

Ion	Ratio	Lower	Upper
50	100		
52	3.5	27.3	40.9#

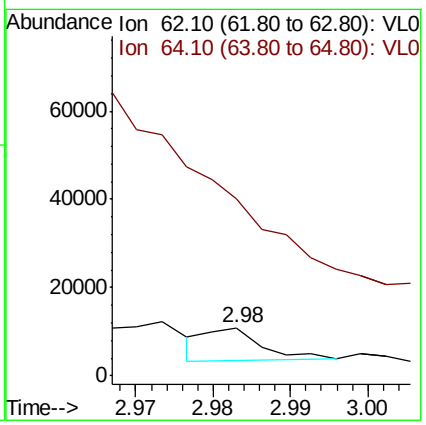


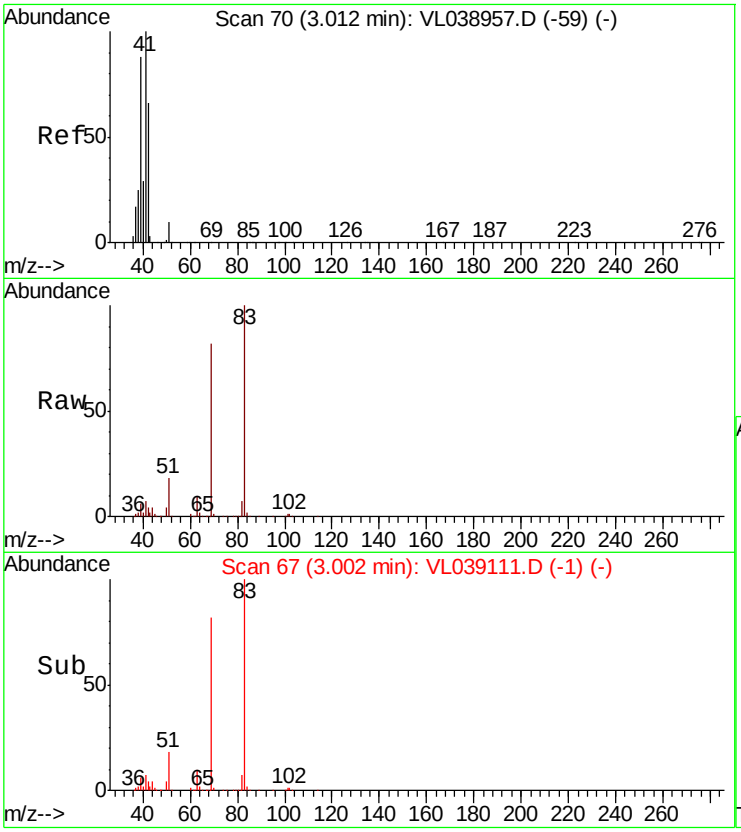


#5
Vinyl Chloride
Concen: 0.053 ppbv
RT: 2.98 min Scan# 61
Delta R.T. -0.28 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 62 Resp: 3710

Ion	Ratio	Lower	Upper
62	100		
64	228.9	24.2	36.4#



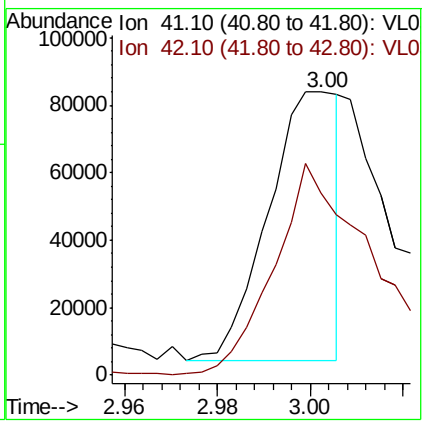


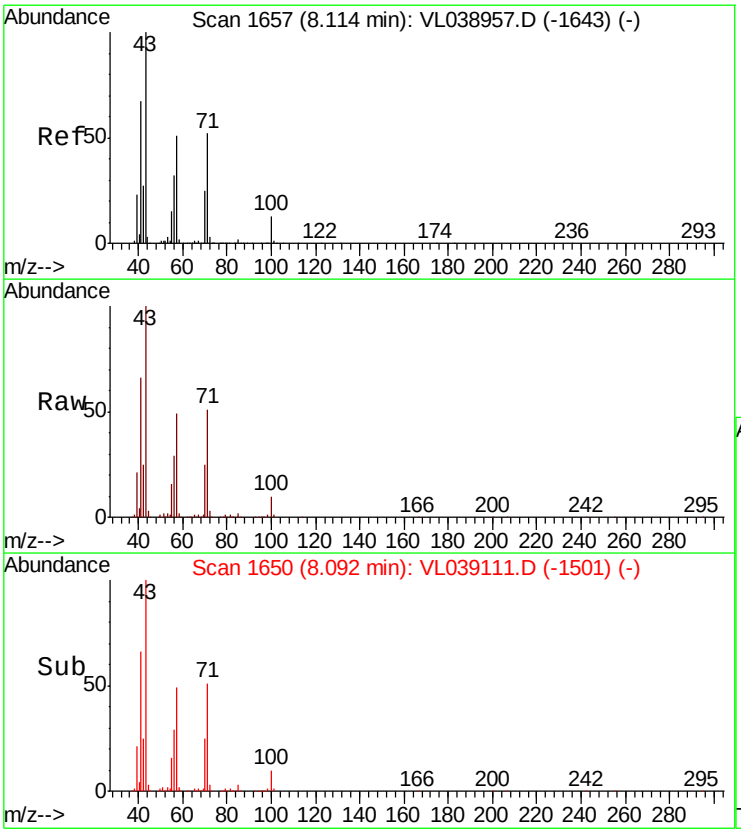
#9
Propene
Concen: 1.248 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 41 Resp: 84009

Ion	Ratio	Lower	Upper
41	100		
42	125.2	58.3	87.5#

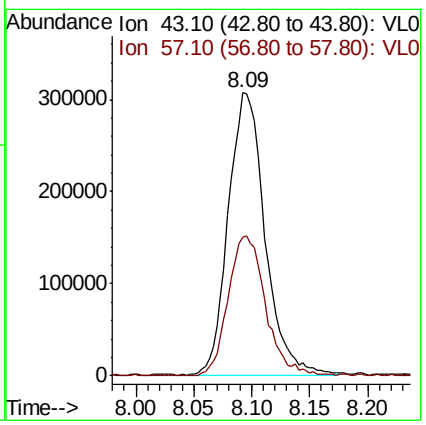


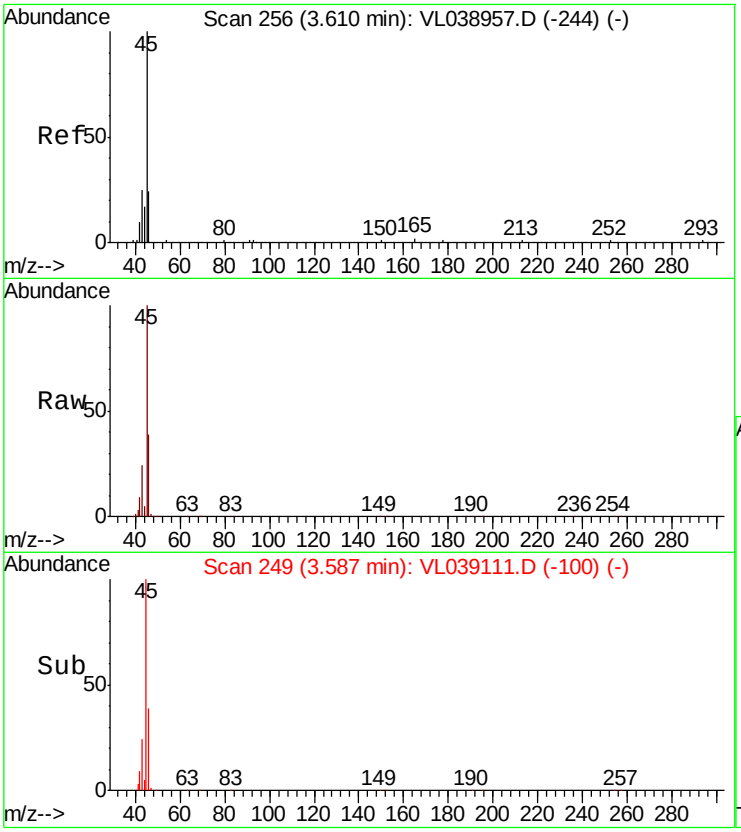


#10
Heptane
Concen: 4.070 ppbv
RT: 8.09 min Scan# 1650
Delta R.T. -0.02 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 43 Resp: 671874

Ion	Ratio	Lower	Upper
43	100		
57	50.5	40.5	60.7



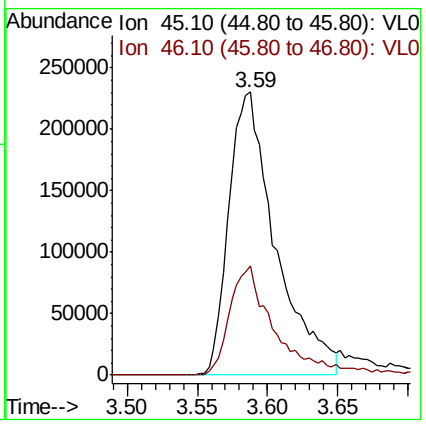


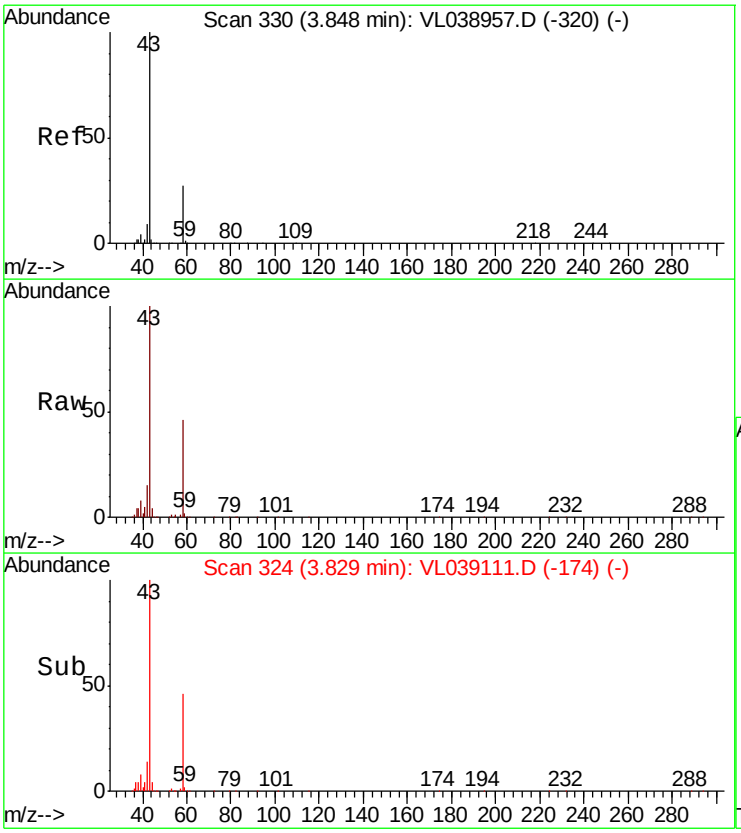
#13
Ethanol
Concen: 112.438 ppbv
RT: 3.59
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 535419

Ion	Ratio	Lower	Upper
45	100		
46	38.8	18.0	72.2

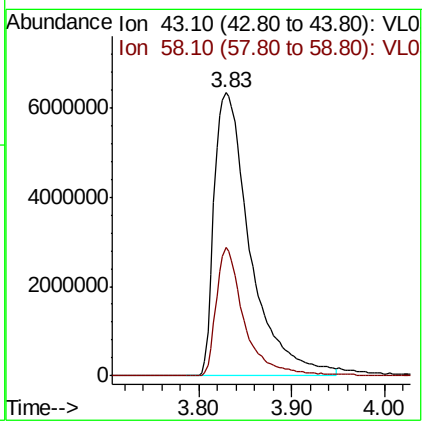


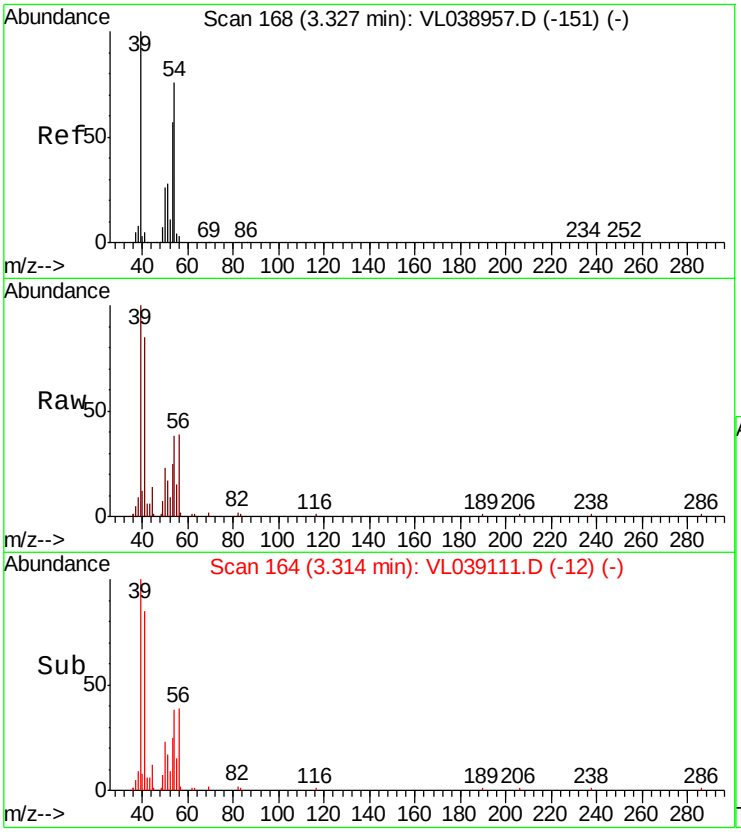


#15
Acetone
Concen: 146.142 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.02 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 43 Resp:17118022

Ion	Ratio	Lower	Upper
43	100		
58	36.1	21.3	31.9#



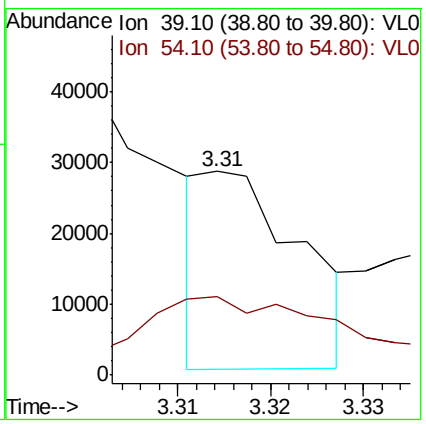


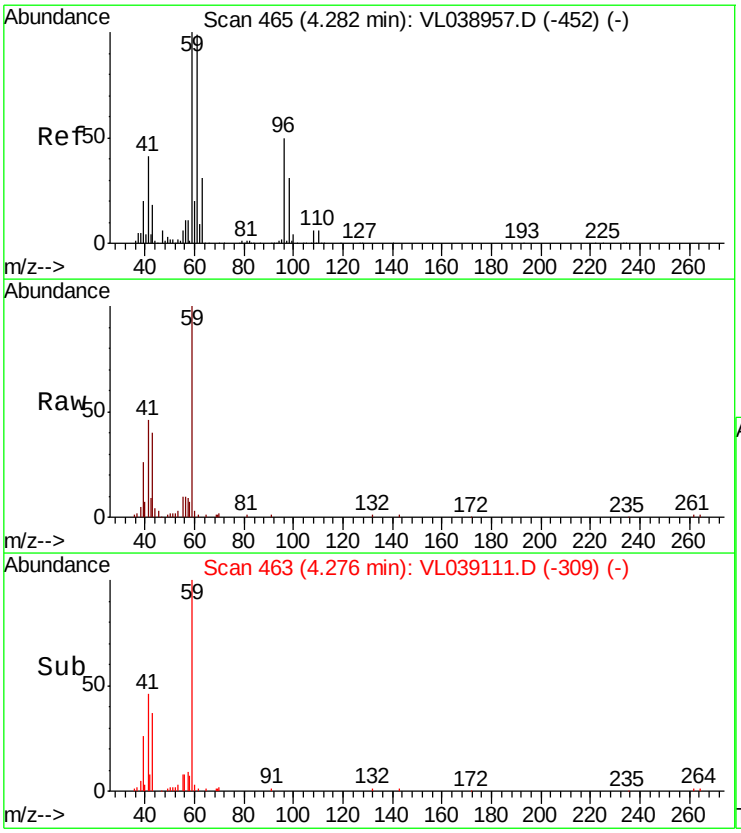
#16
1,3-Butadiene
Concen: 0.300 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 39 Resp: 20180

Ion	Ratio	Lower	Upper
39	100		
54	112.4	65.2	97.8#

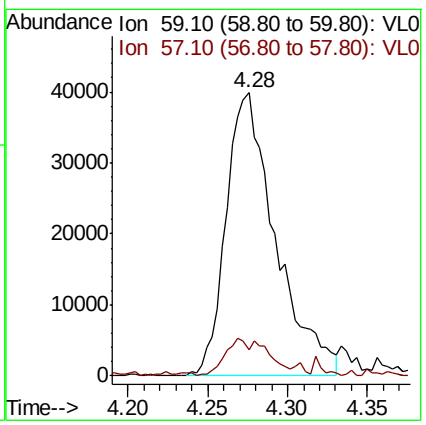


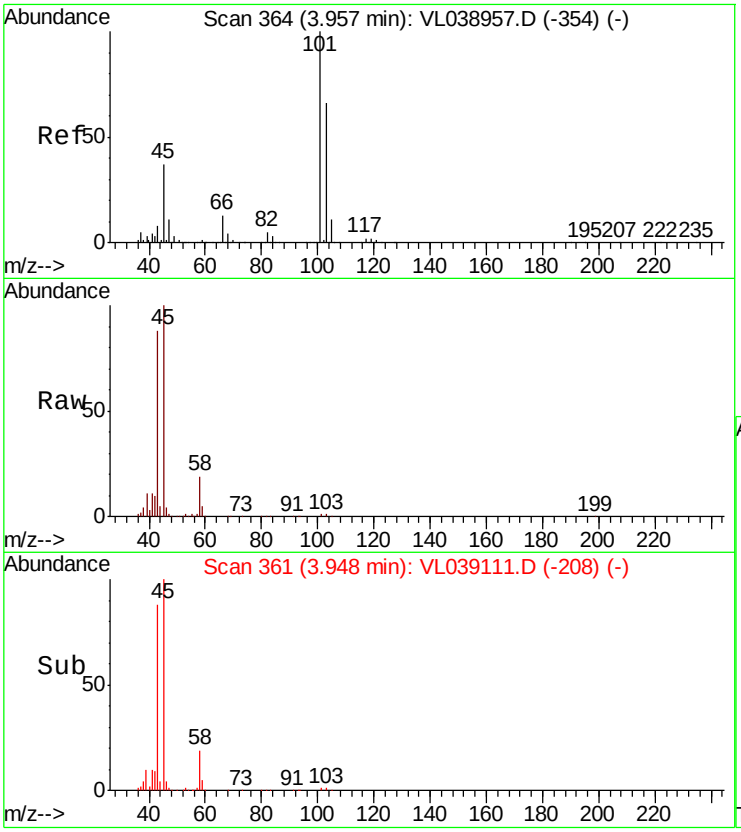


#17
tert-Butyl alcohol
Concen: 0.940 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.01 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 59 Resp: 84581

Ion	Ratio	Lower	Upper
59	100		
57	14.2	9.2	13.8#



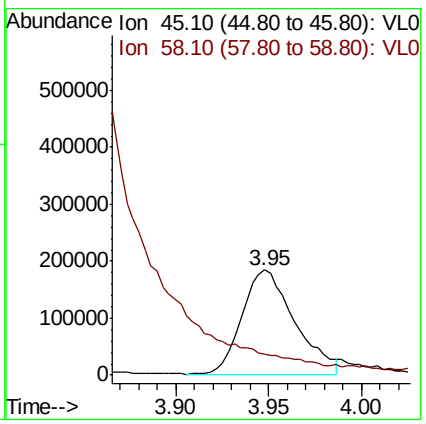


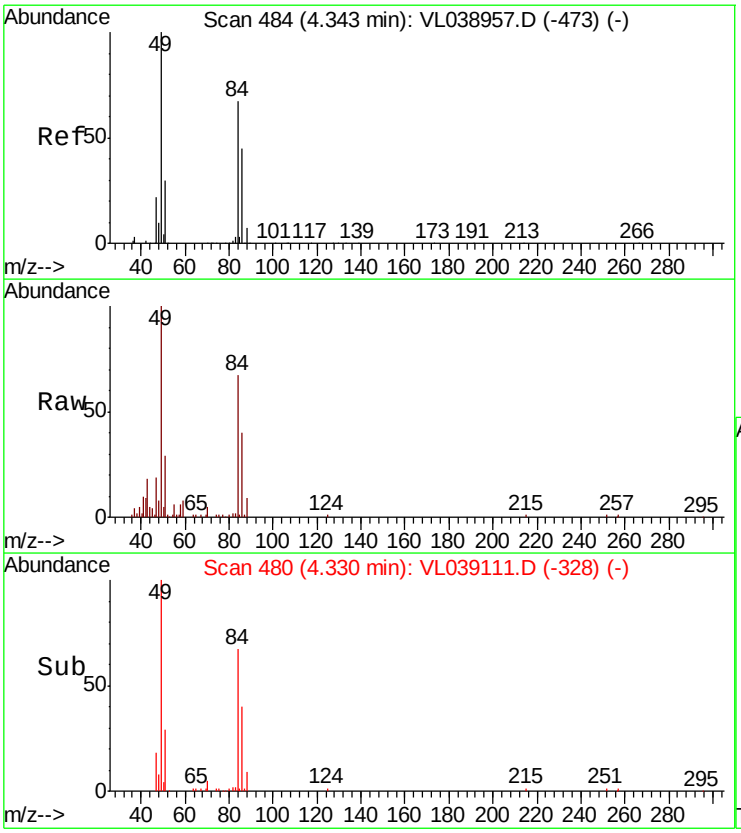
#19
Isopropyl Alcohol
Concen: 6.491 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 45 Resp: 361520

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.4	2.2#

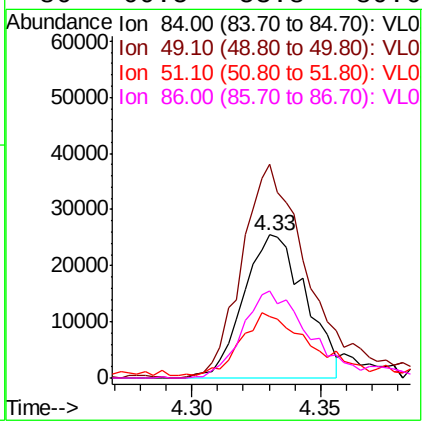


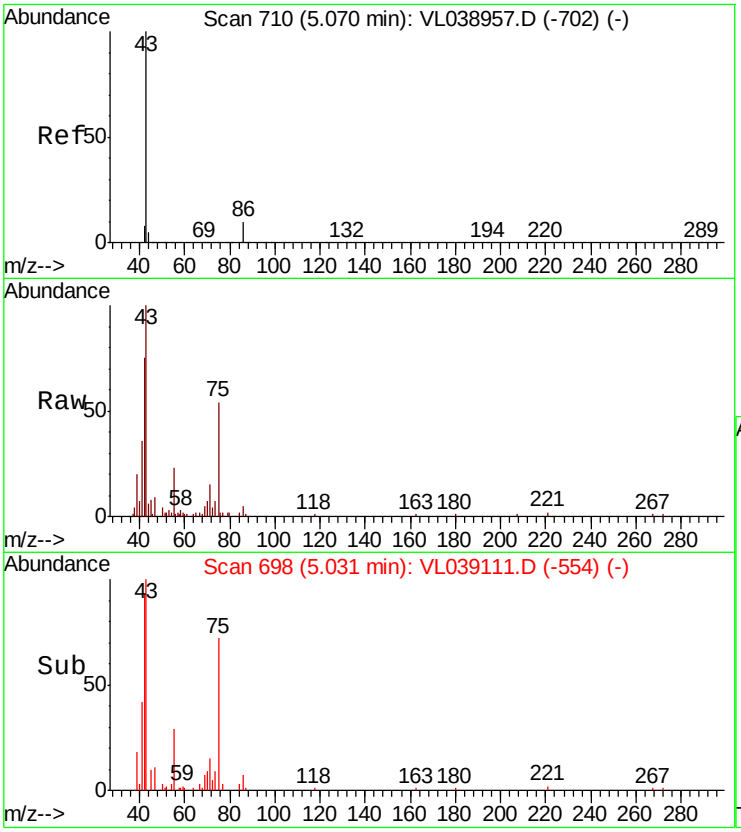


#20
Methylene Chloride
Concen: 0.971 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.01 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 84 Resp: 42870

Ion	Ratio	Lower	Upper
84	100		
49	148.2	119.9	179.9
51	40.2	35.7	53.5
86	60.5	53.8	80.6



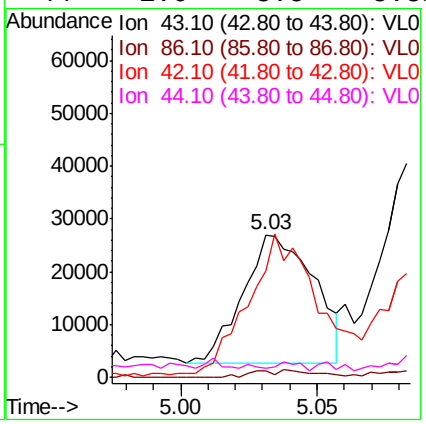


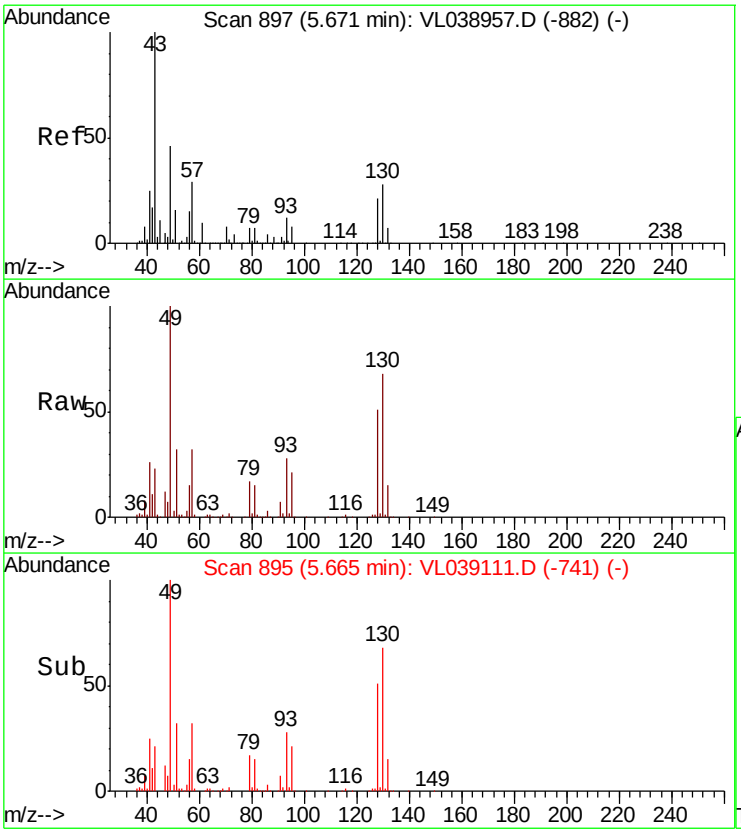
#23
Vinyl Acetate
Concen: 0.478 ppbv
RT: 5.03
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 43 Resp: 44266

Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.6	9.8#
42	80.1	8.1	12.1#
44	1.0	3.5	5.3#

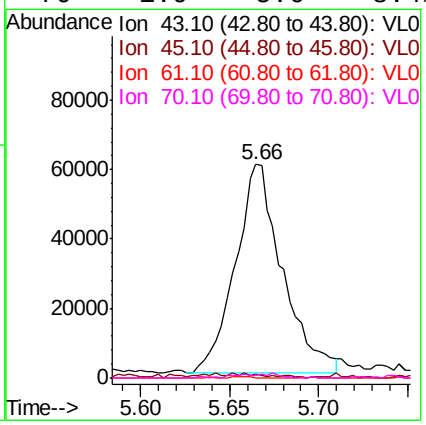


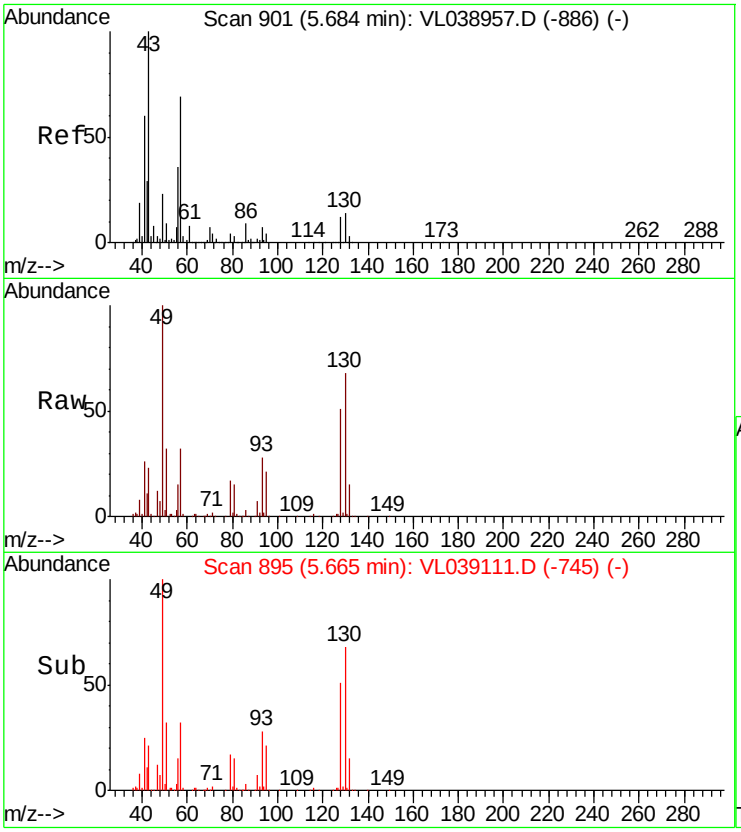


#25
Ethyl Acetate
Concen: 0.393 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 43 Resp: 110118

Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.1	12.1#
61	0.4	7.8	11.6#
70	1.9	5.6	8.4#



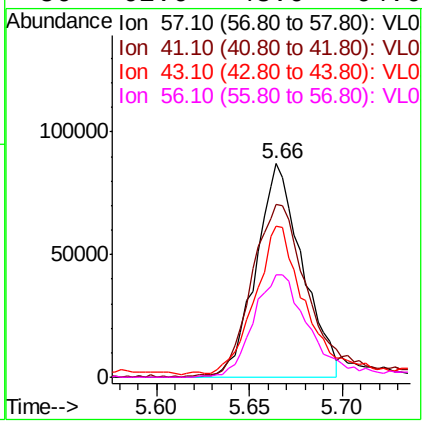


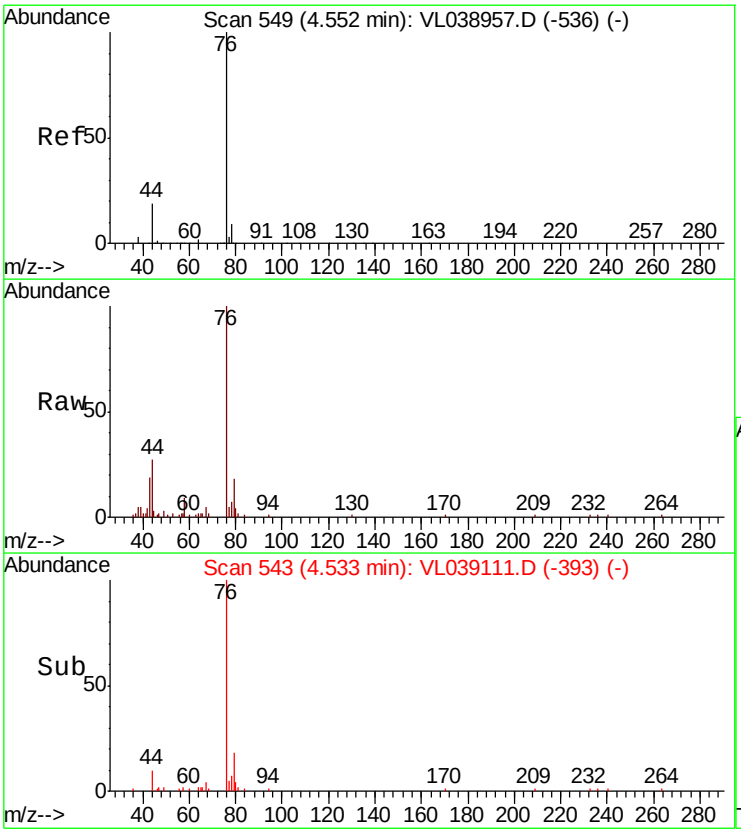
#26
Hexane
Concen: 1.210 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 57 Resp: 150681

Ion	Ratio	Lower	Upper
57	100		
41	100.3	75.2	112.8
43	74.7	190.8	286.2#
56	62.6	43.0	64.6

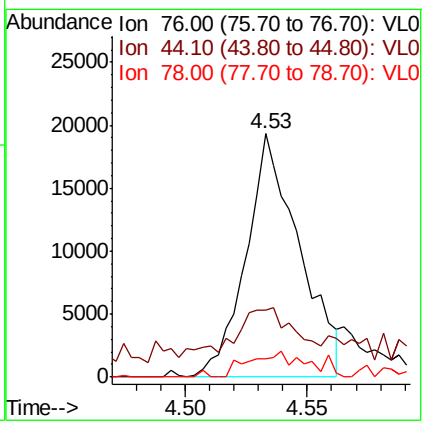


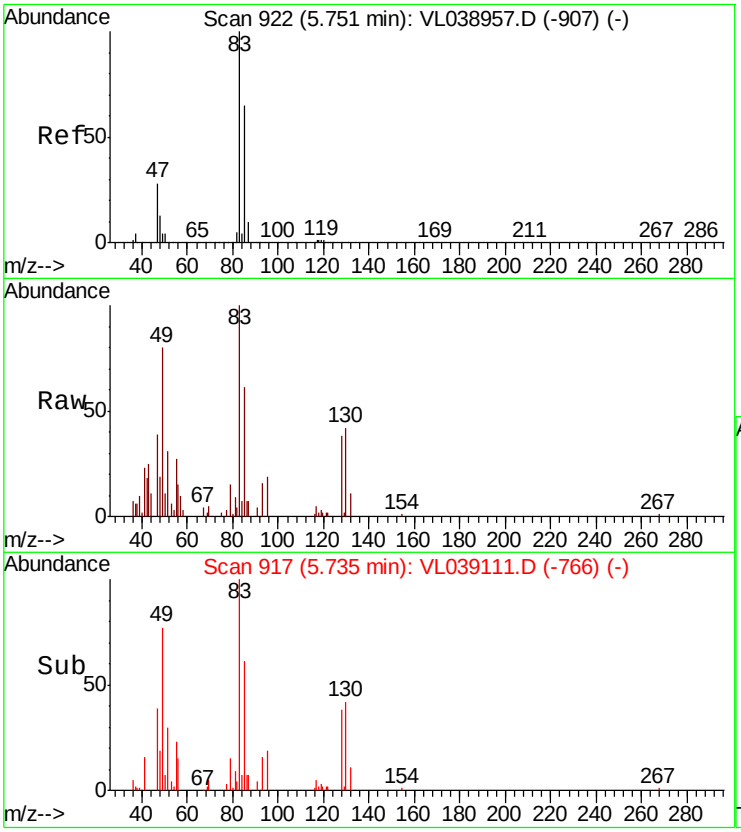


#27
Carbon Disulfide
Concen: 0.247 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 76 Resp: 29220

Ion	Ratio	Lower	Upper
76	100		
44	36.8	15.3	22.9#
78	12.7	8.2	12.2#



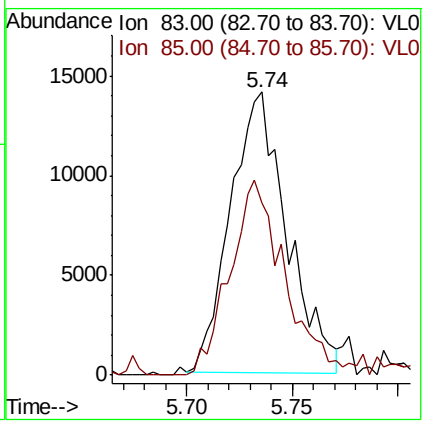


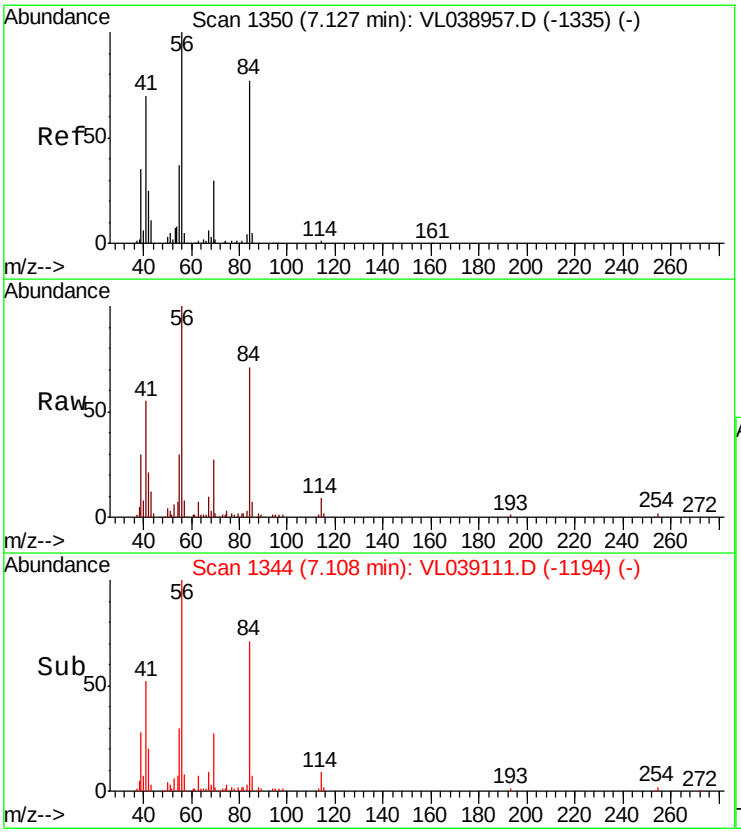
#29
Chloroform
Concen: 0.130 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 83 Resp: 26294

Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.8	77.6

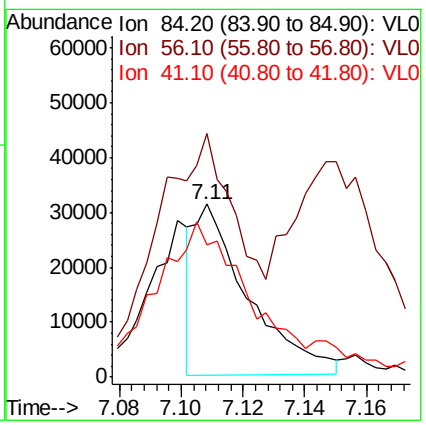


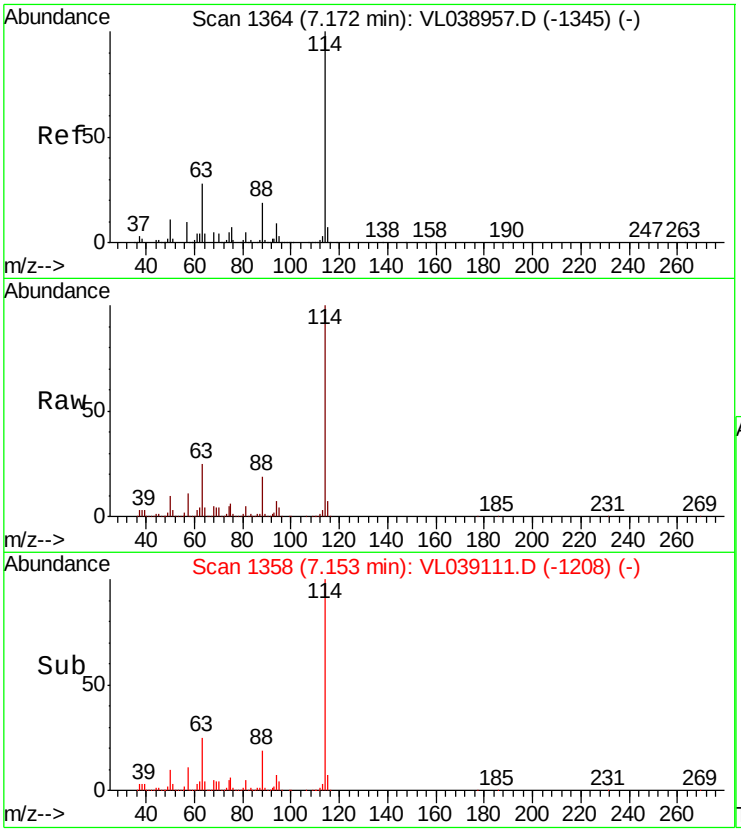


#30
Cyclohexane
Concen: 0.363 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 84 Resp: 37898

Ion	Ratio	Lower	Upper
84	100		
56	202.1	115.3	172.9#
41	149.9	72.0	108.0#



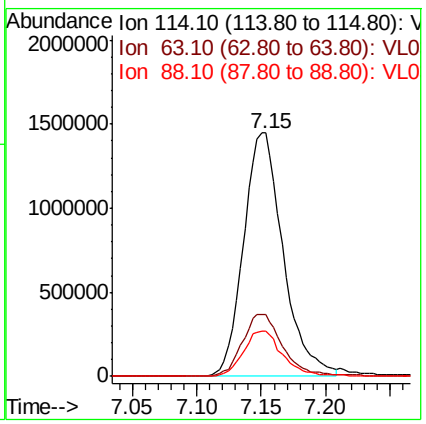


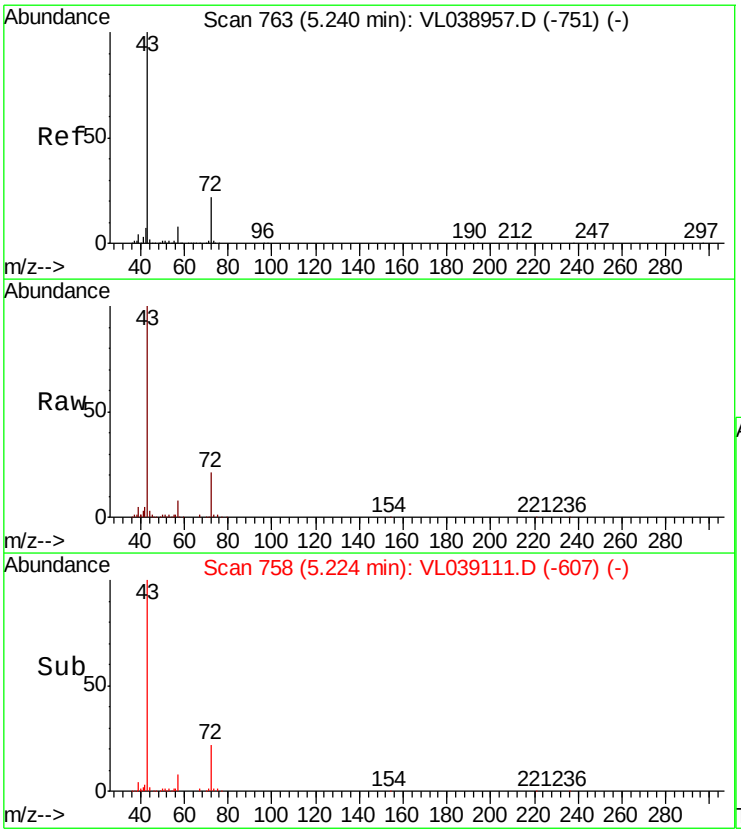
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:114 Resp: 3101892

Ion	Ratio	Lower	Upper
114	100		
63	26.3	22.6	33.8
88	18.7	15.4	23.0

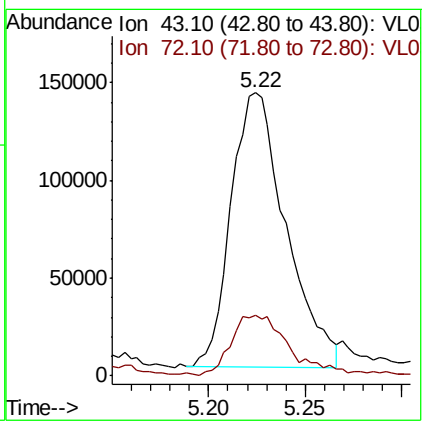


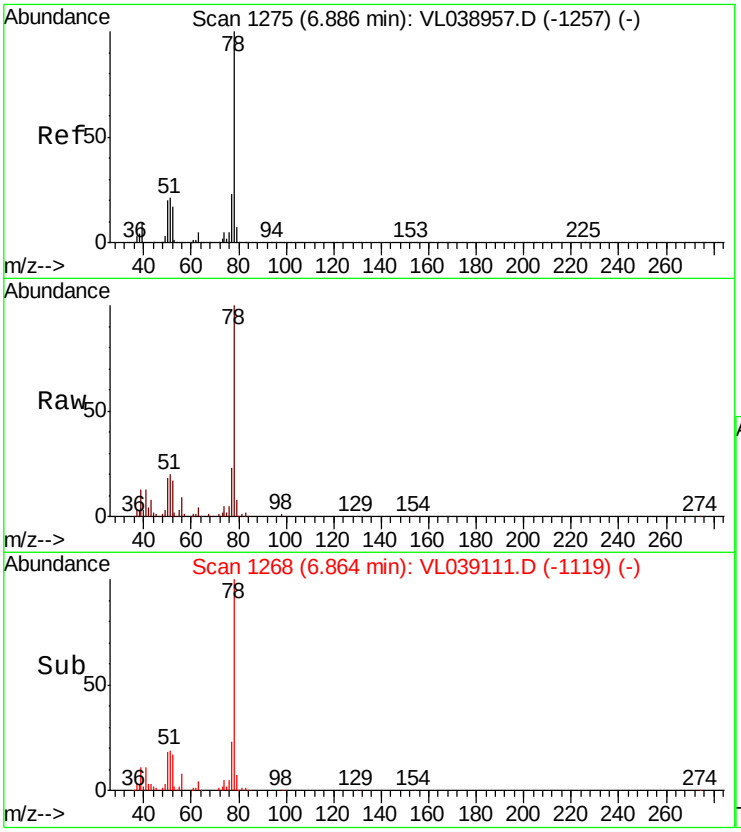


#34
2-Butanone
Concen: 1.752 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.02 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 43 Resp: 277241

Ion	Ratio	Lower	Upper
43	100		
72	23.0	17.8	26.6



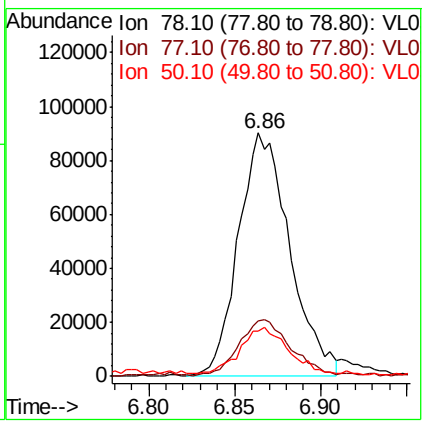


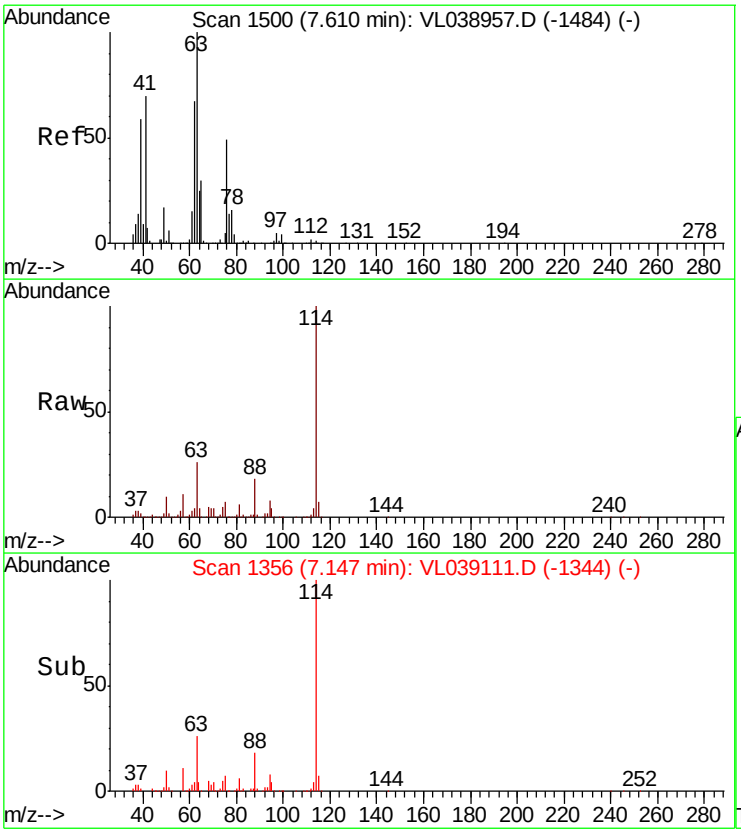
#36
Benzene
Concen: 0.705 ppbv
RT: 6.86
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 78 Resp: 187238

Ion	Ratio	Lower	Upper
78	100		
77	22.2	18.6	28.0
50	17.2	15.6	23.4

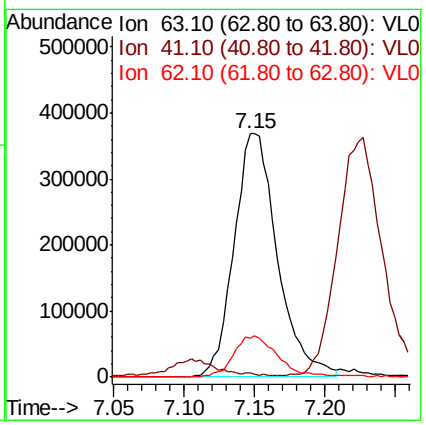


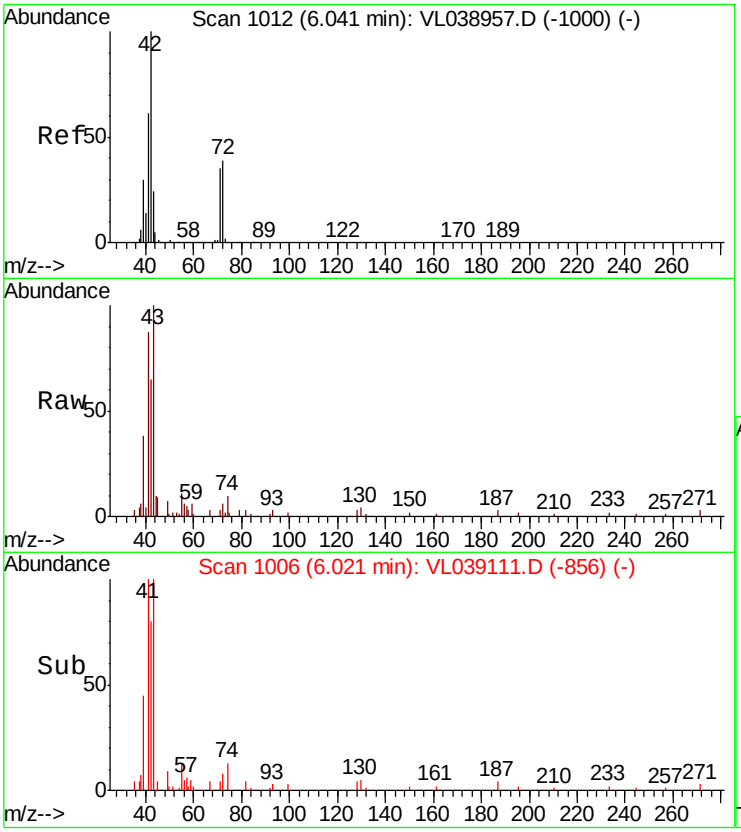


#39
1,2-Dichloropropane
Concen: 7.689 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.46 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 63 Resp: 794174

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.9	83.9#
62	16.0	53.8	80.6#



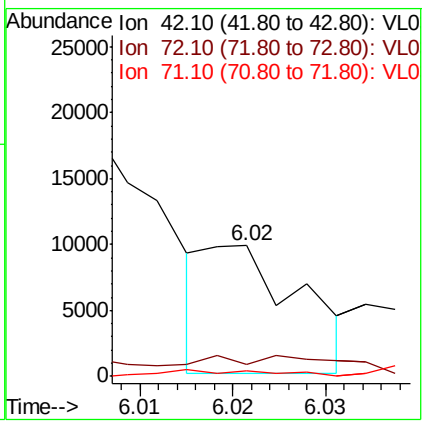


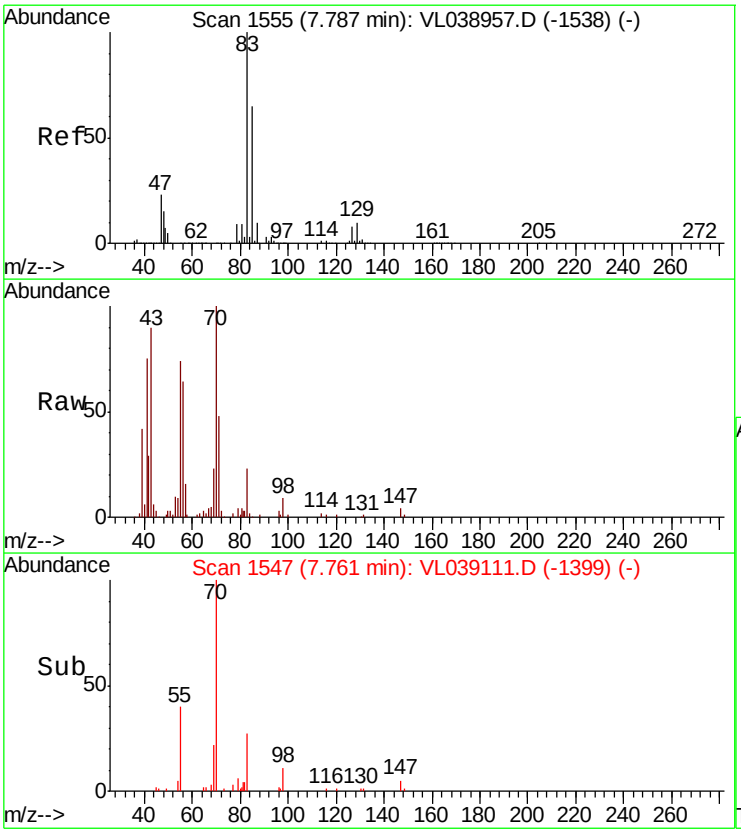
#41
Tetrahydrofuran
Concen: 0.065 ppbv
RT: 6.02
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 42 Resp: 6887

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

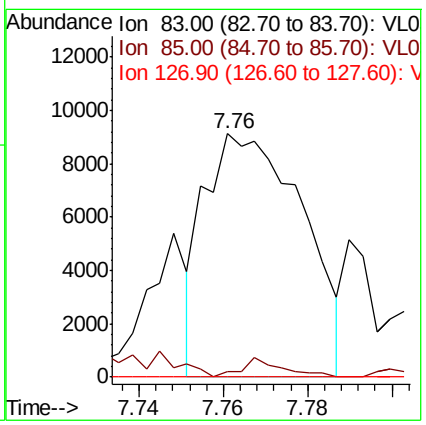


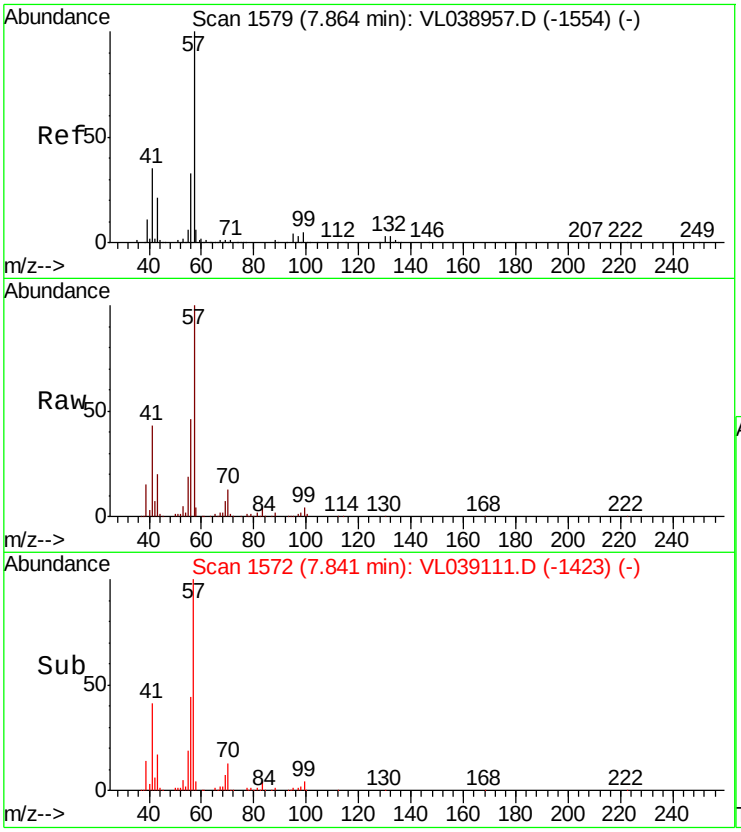


#42
Bromodichloromethane
Concen: 0.066 ppbv
RT: 7.76 min Scan# 1547
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 83 Resp: 14777

Ion	Ratio	Lower	Upper
83	100		
85	3.1	52.0	78.0#
127	0.0	6.0	9.0#



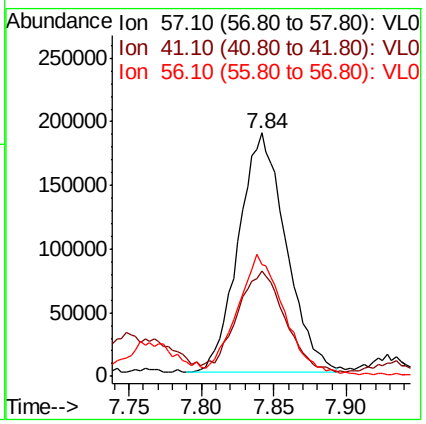


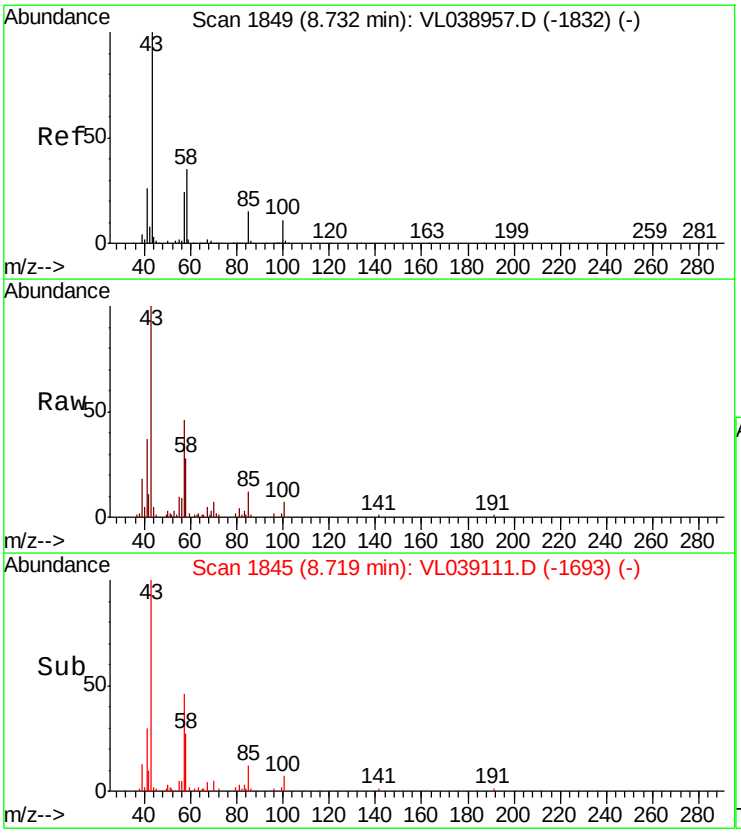
#44
2,2,4-Trimethylpentane
Concen: 0.923 ppbv
RT: 7.84
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 57 Resp: 429897

Ion	Ratio	Lower	Upper
57	100		
41	45.8	26.3	39.5#
56	51.1	24.6	37.0#

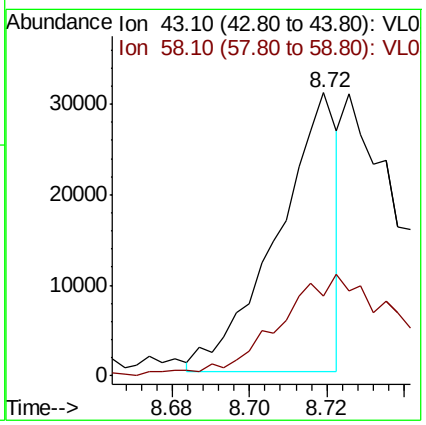


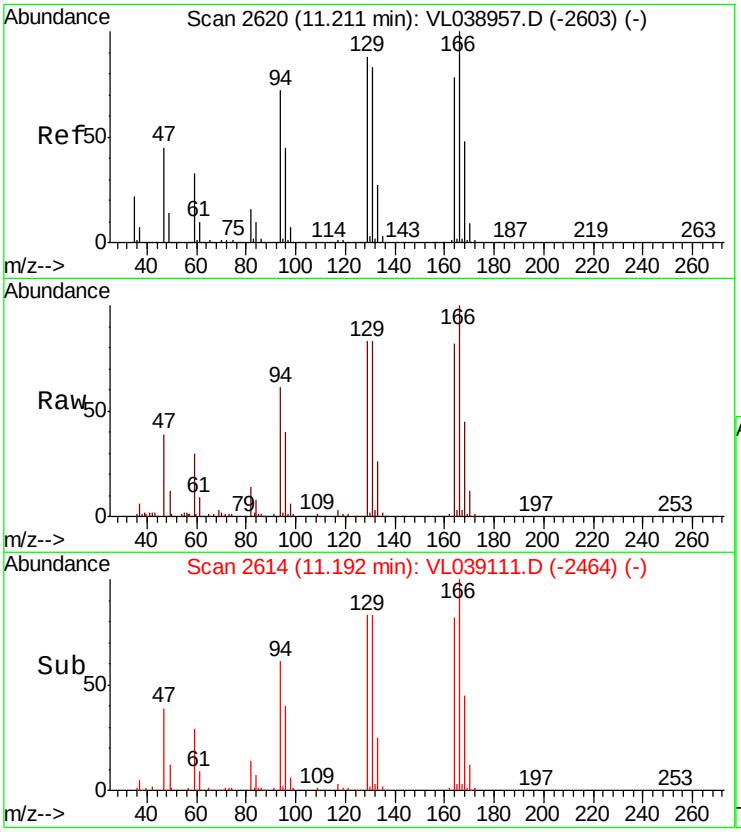


#50
4-Methyl-2-Pentanone
Concen: 0.120 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 43 Resp: 33240

Ion	Ratio	Lower	Upper
43	100		
58	0.0	28.4	42.6#



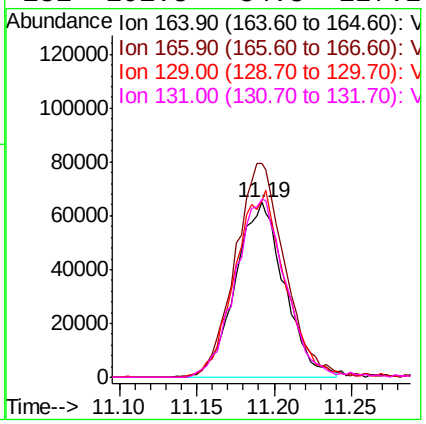


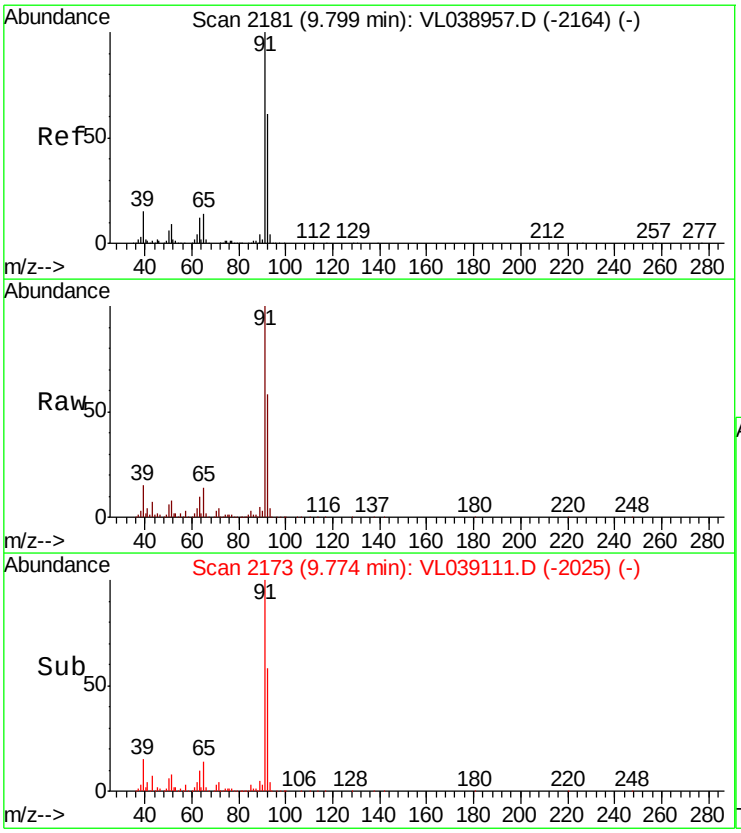
#52
Tetrachloroethene
Concen: 1.507 ppbv
RT: 11.19
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:164 Resp: 142964

Ion	Ratio	Lower	Upper
164	100		
166	121.6	102.5	153.7
129	100.3	90.1	135.1
131	101.8	84.8	127.2

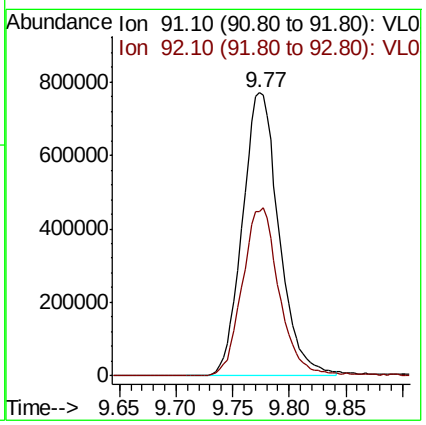


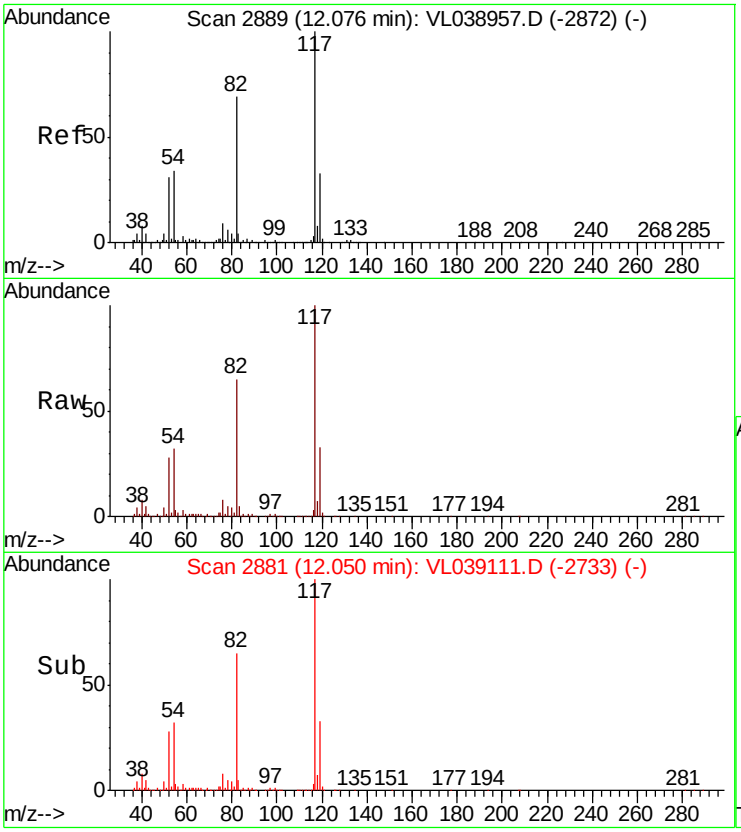


#53
Toluene
Concen: 5.827 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 91 Resp: 1733743

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.2	72.2



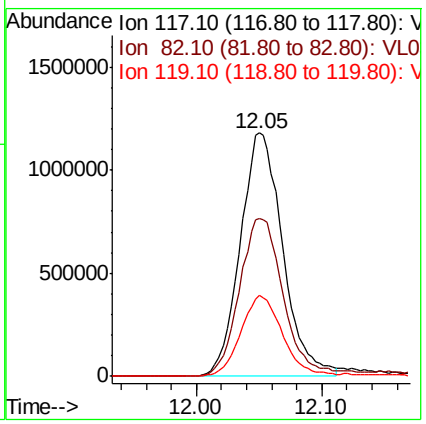


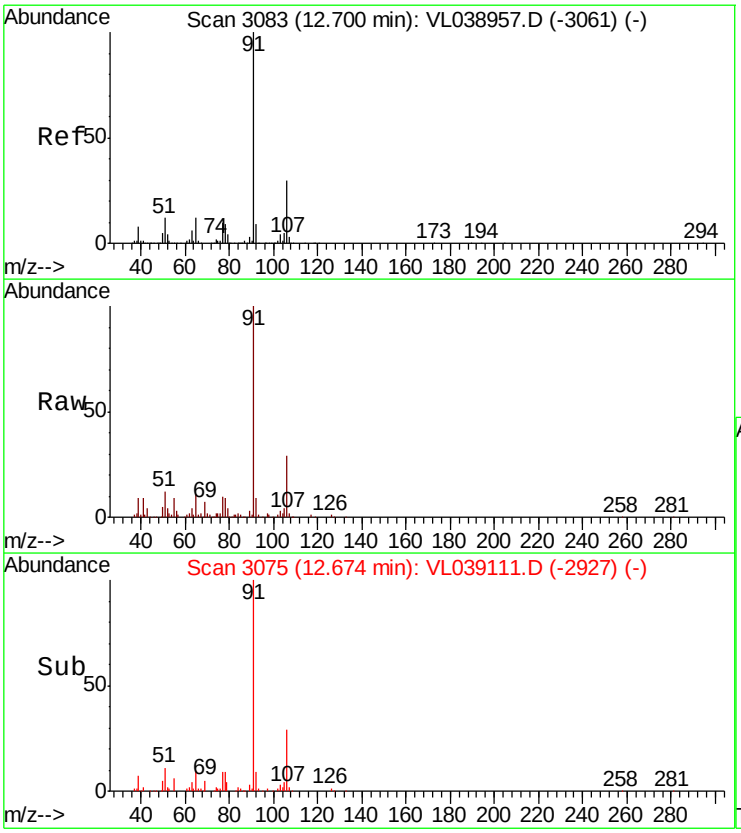
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:117 Resp: 2774048

Ion	Ratio	Lower	Upper
117	100		
82	67.9	57.0	85.6
119	34.6	27.2	40.8

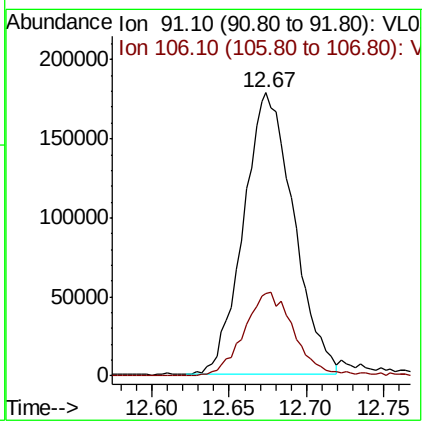


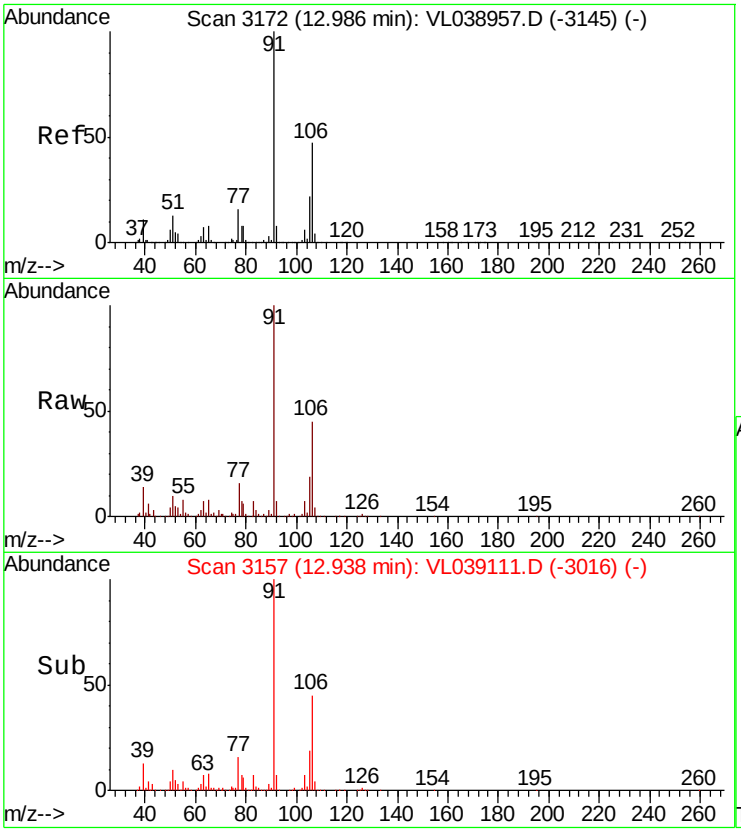


#58
Ethyl Benzene
Concen: 1.007 ppbv
RT: 12.67 min Scan# 3075
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 91 Resp: 402060

Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.2	36.4



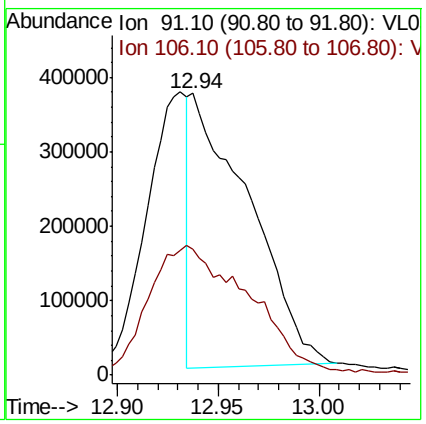


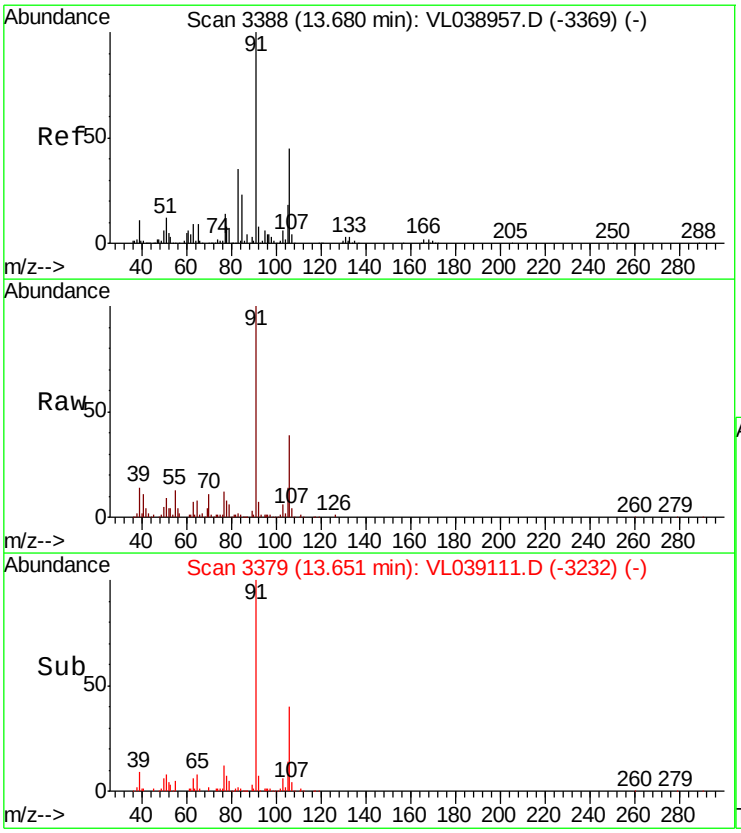
#59
m/p-Xylene
Concen: 2.156 ppbv
RT: 12.94
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion: 91 Resp: 734960

Ion	Ratio	Lower	Upper
91	100		
106	84.8	34.6	52.0#

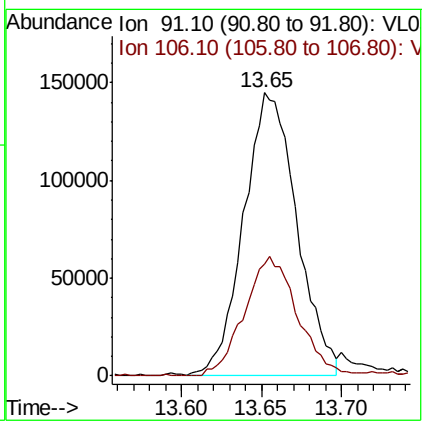


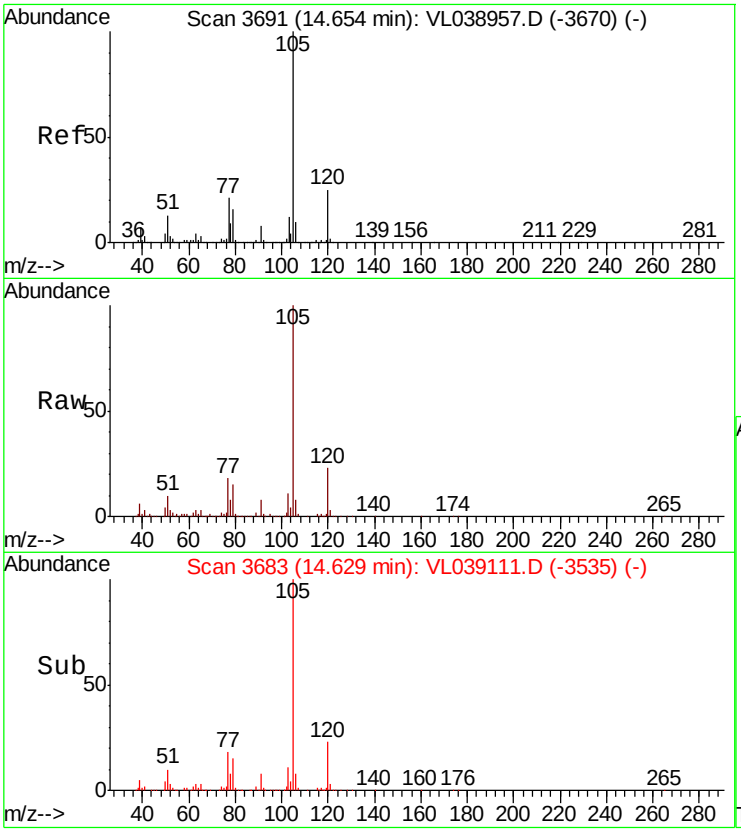


#60
o-Xylene
Concen: 1.026 ppbv
RT: 13.65 min Scan# 3379
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 91 Resp: 329193

Ion	Ratio	Lower	Upper
91	100		
106	42.8	22.2	66.6



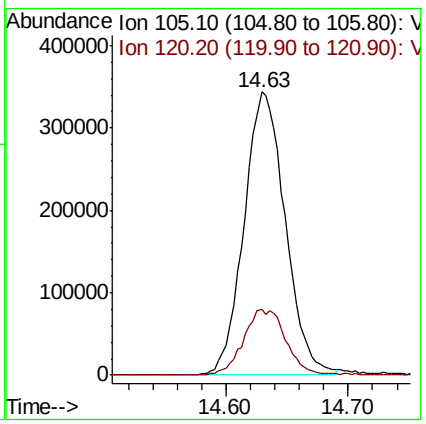


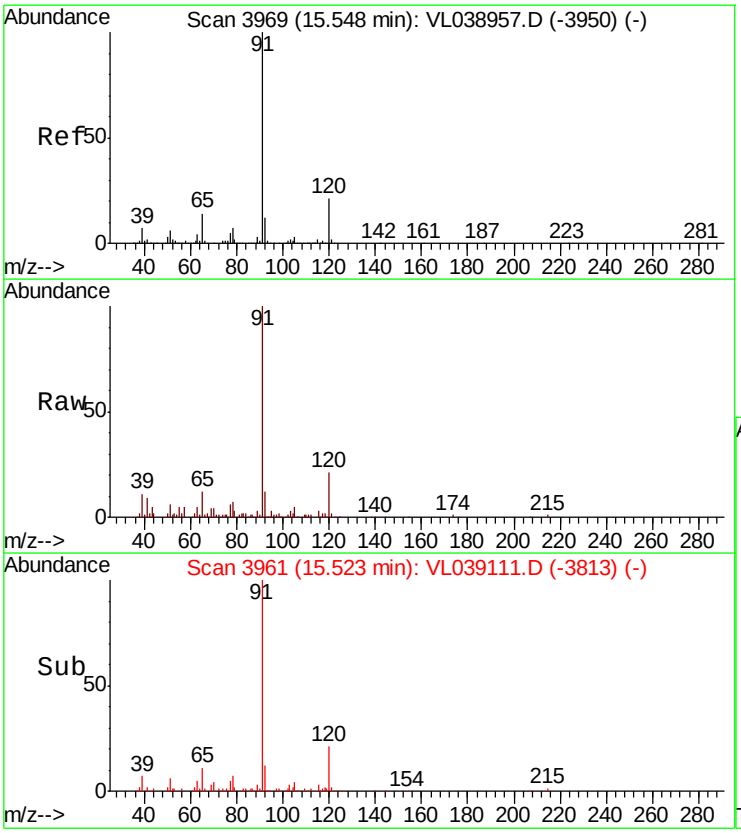
#62
Isopropylbenzene
Concen: 1.710 ppbv
RT: 14.63
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 802278

Ion	Ratio	Lower	Upper
105	100		
120	24.0	20.5	30.7

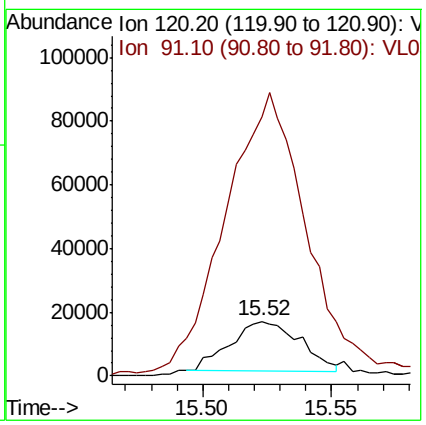


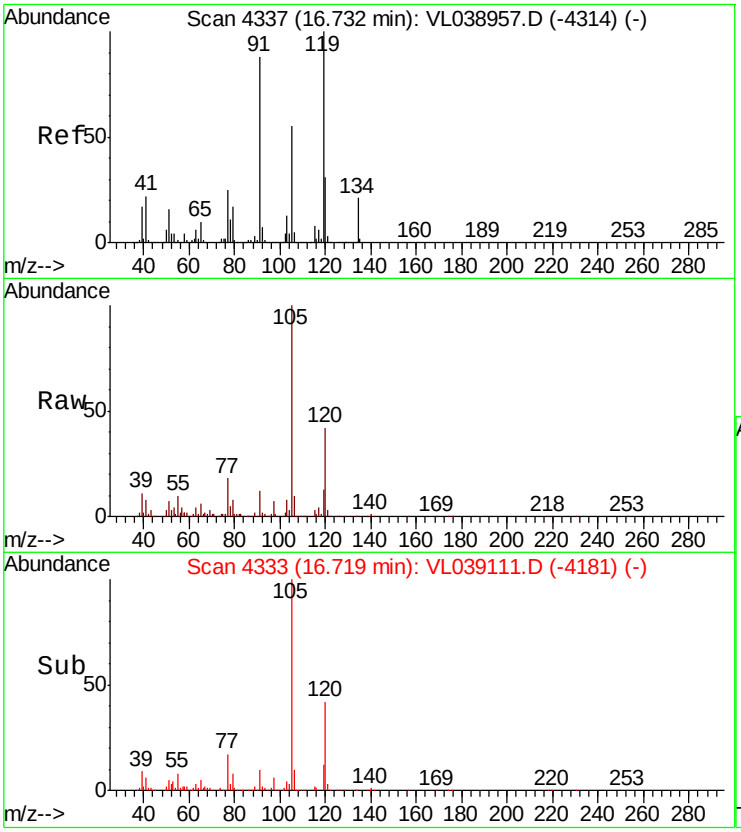


#64
n-propylbenzene
Concen: 0.259 ppbv
RT: 15.52 min Scan# 3961
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion:120 Resp: 29342

Ion	Ratio	Lower	Upper
120	100		
91	682.9	400.6	601.0#



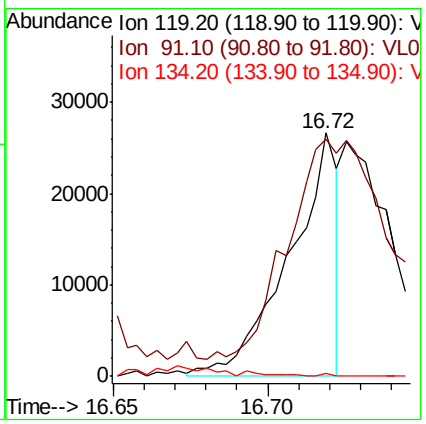


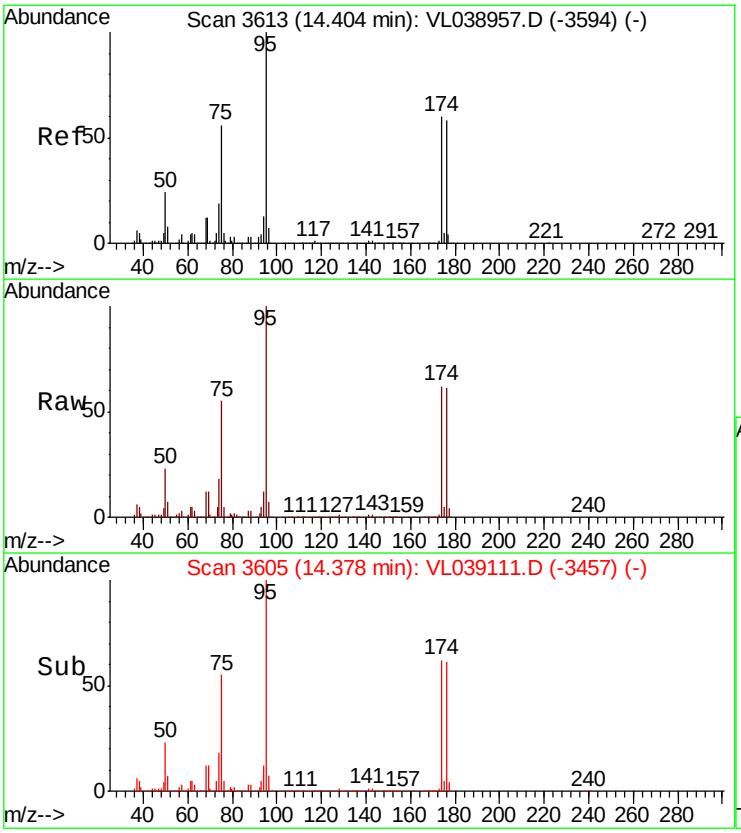
#65
tert-Butylbenzene
Concen: 0.069 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:119 Resp: 28503

Ion	Ratio	Lower	Upper
119	100		
91	224.7	69.4	104.2#
134	0.0	15.8	23.8#

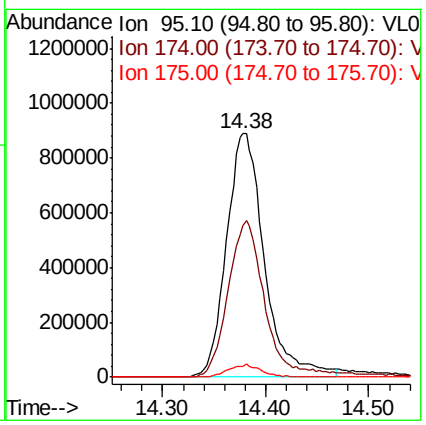


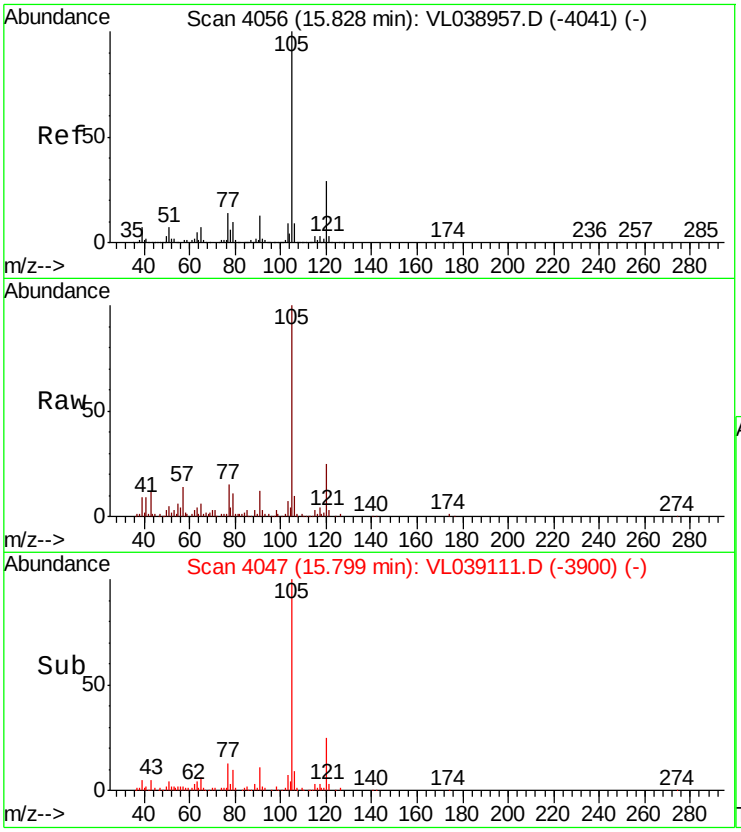


#68
1-Bromo-4-Fluorobenzene
Concen: 10.317 ppbv
RT: 14.38 min Scan# 3605
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion: 95 Resp: 2266445

Ion	Ratio	Lower	Upper
95	100		
174	64.9	50.8	76.2
175	4.6	3.8	5.6



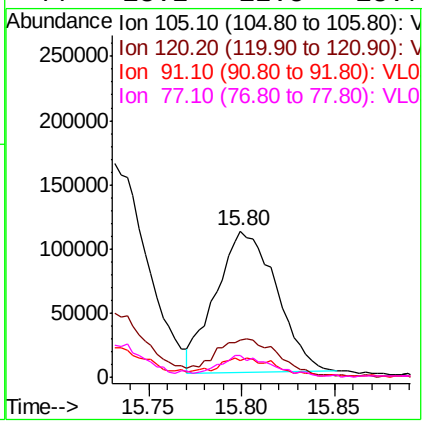


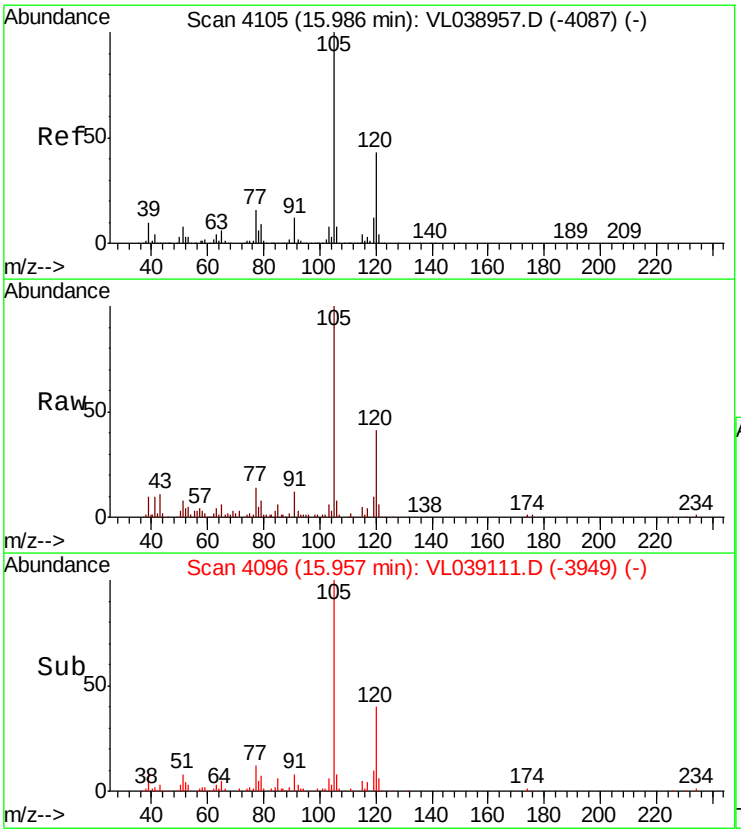
#72
4-Ethyltoluene
Concen: 0.683 ppbv
RT: 15.80
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 249671

Ion	Ratio	Lower	Upper
105	100		
120	28.3	23.4	35.0
91	12.3	10.6	16.0
77	13.2	12.5	18.7

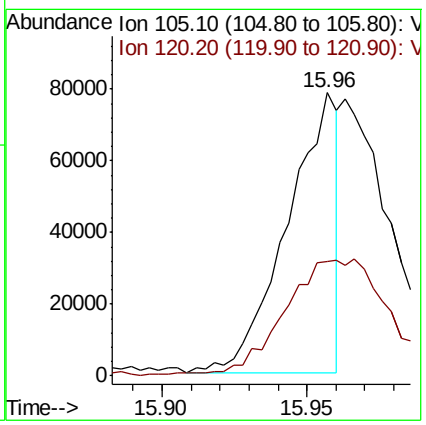


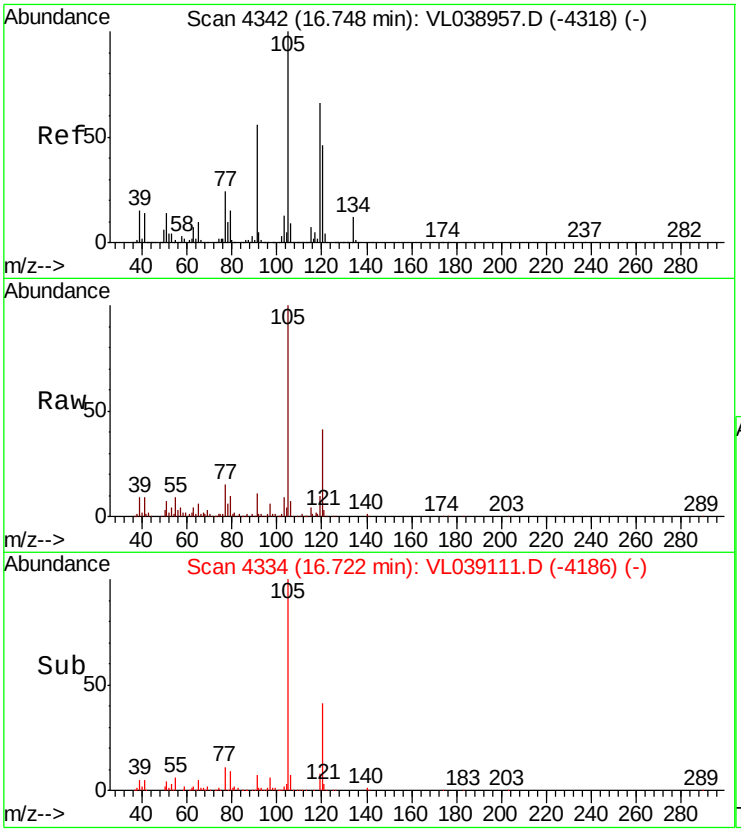


#73
1,3,5-Trimethylbenzene
Concen: 0.287 ppbv
RT: 15.96 min Scan# 4096
Delta R.T. -0.03 min
Lab File: VL039111.D
Acq: 24 May 2022 9:11

Tgt Ion:105 Resp: 94427

Ion	Ratio	Lower	Upper
105	100		
120	40.0	34.4	51.6





#74
1,2,4-Trimethylbenzene
Concen: 1.510 ppbv
RT: 16.72
Delta R.T
Lab File:
Acq: 24 May 2022 9:11

Instrument :
MSVOA_L
ClientSampleId :
SG-1

Tgt Ion:105 Resp: 544130

Ion	Ratio	Lower	Upper
105	100		
120	41.3	36.9	55.3
91	9.8	45.0	67.4#
77	14.1	19.2	28.8#