Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039457.D
Acq On : 12 Jul 2022 20:57
Operator : SY/AP
Sample : N3660-08 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-11

Quant Time: Jul 13 01:38:42 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1493392	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	4184341	10.00	ppbv		0.04
55) Chlorobenzene-d5	12.10	117	3813861	10.00	ppbv		0.04
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2853843	10.09	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 100.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	47334	0.22	ppbv		92
3) Chlorodifluoromethane	3.00	51	38416	0.20	ppbv		92
9) Propene	3.03	41	26673	0.31	ppbv		84
10) Heptane	8.14	43	13608	0.07	ppbv	#	34
11) Trichlorofluoromethane	3.97	101	364867	1.52	ppbv		94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	34843	0.19	ppbv		91
13) Ethanol	3.61	45	107997	21.76	ppbv		60
15) Acetone	3.86	43	1180875	6.68	ppbv	#	90
16) 1,3-Butadiene	3.32	39	119091	1.30	ppbv	#	15
17) tert-Butyl alcohol	4.31	59	88437	0.59	ppbv	#	92
19) Isopropyl Alcohol	3.98	45	23522	0.25	ppbv	#	88
20) Methylene Chloride	4.36	84	168599	2.39	ppbv		97
23) Vinyl Acetate	5.08	43	39764	0.34	ppbv	#	76
25) Ethyl Acetate	5.70	43	200265	0.55	ppbv	#	77
26) Hexane	5.71	57	269792	1.85	ppbv	#	40
27) Carbon Disulfide	4.57	76	169972	0.96	ppbv	#	92
29) Chloroform	5.77	83	101734	0.40	ppbv		99
34) 2-Butanone	5.26	43	142118	0.67	ppbv		91
38) Trichloroethene	7.86	130	14417	0.08	ppbv		96
39) 1,2-Dichloropropane	7.19	63	1013679	8.38	ppbv	#	24
51) 2-Hexanone	10.16	43	15688	0.07	ppbv	#	44
52) Tetrachloroethene	11.24	164	317546	2.44	ppbv		93
53) Toluene	9.82	91	313741	0.84	ppbv		99
58) Ethyl Benzene	12.73	91	64062	0.13	ppbv		91
59) m/p-Xylene	13.01	91	131502	0.30	ppbv	#	32
60) o-Xylene	13.71	91	222972	0.54	ppbv		97
64) n-propylbenzene	15.58	120	12736	0.08	ppbv	#	1
65) tert-Butylbenzene	16.78	119	103918	0.18	ppbv	#	75
69) p-Isopropyltoluene	17.66	119	84558	0.13	ppbv		97
70) n-Butylbenzene	18.57	91	103894	0.16	ppbv	#	28
71) 2-Chlorotoluene	15.57	91	135498	0.30	ppbv	#	43
72) 4-Ethyltoluene	15.85	105	173989	0.36	ppbv		99
73) 1,3,5-Trimethylbenzene	16.01	105	288048	0.65	ppbv		92
74) 1,2,4-Trimethylbenzene	16.77	105	837274	1.70	ppbv	#	70
79) Naphthalene	22.22	128	49073	0.15	ppbv	#	93

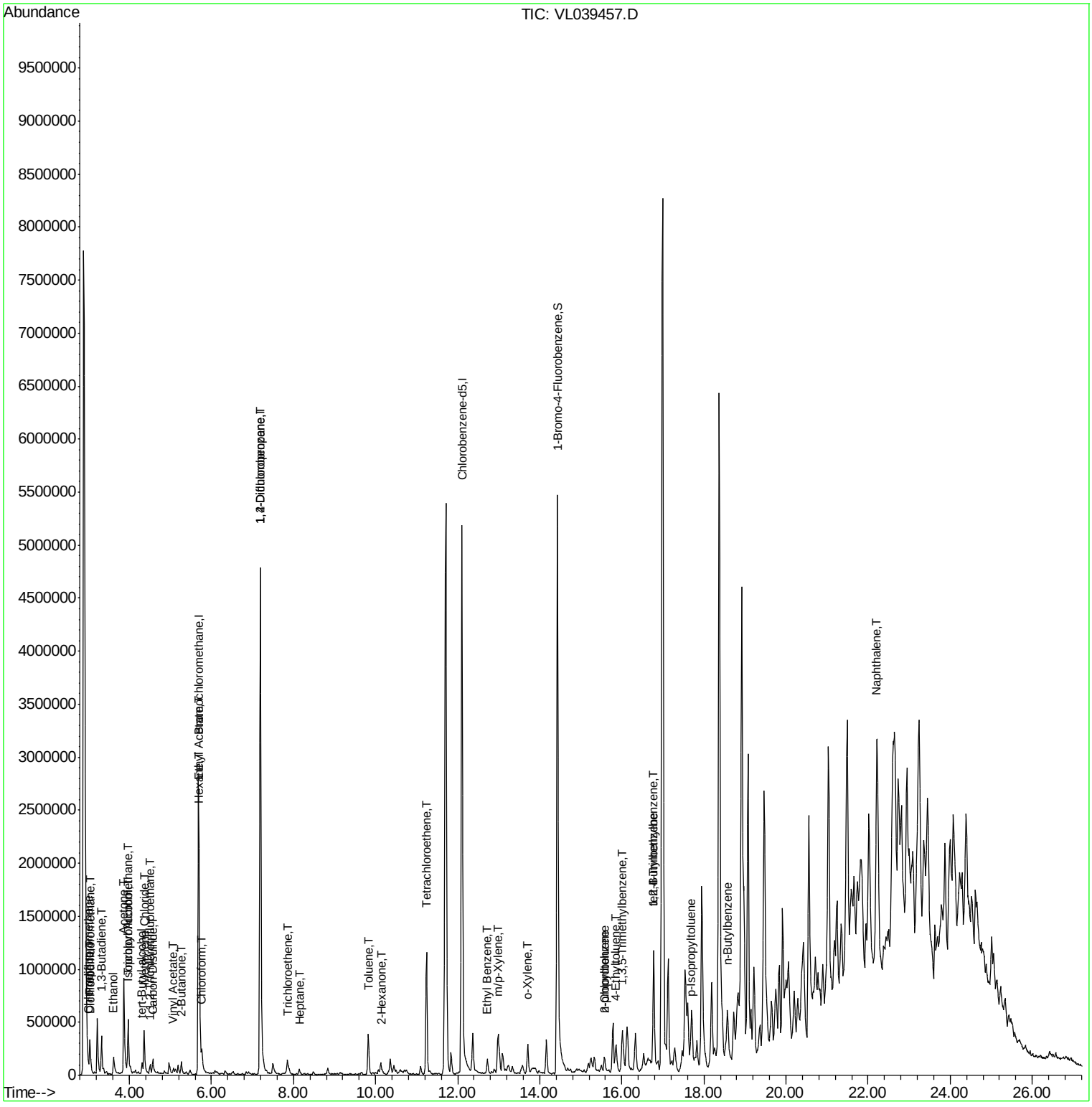
(#) = qualifier out of range (m) = manual integration (+) = signals summed

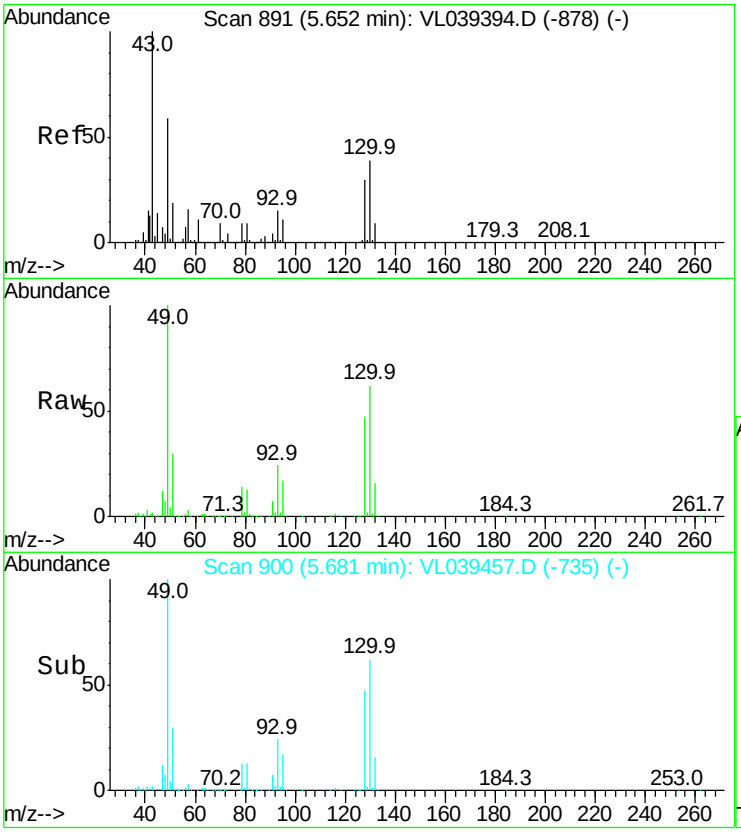
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039457.D
Acq On : 12 Jul 2022 20:57
Operator : SY/AP
Sample : N3660-08 2X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Quant Time: Jul 13 01:38:42 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration



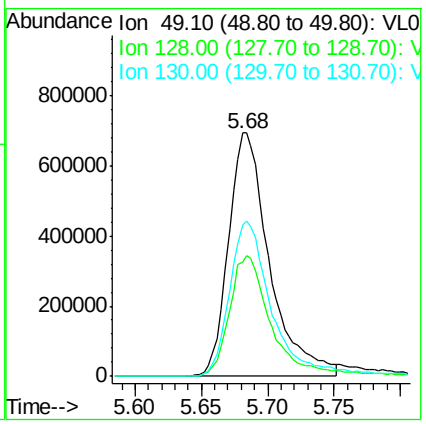


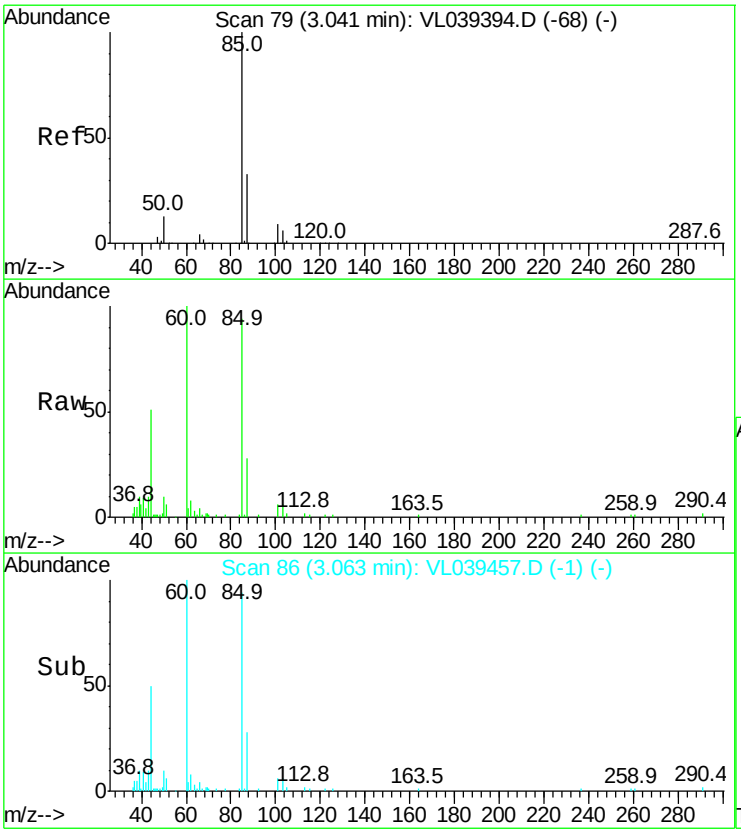
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 49 Resp: 1493392

Ion	Ratio	Lower	Upper
49	100		
128	51.8	26.7	80.0
130	67.7	34.3	102.8

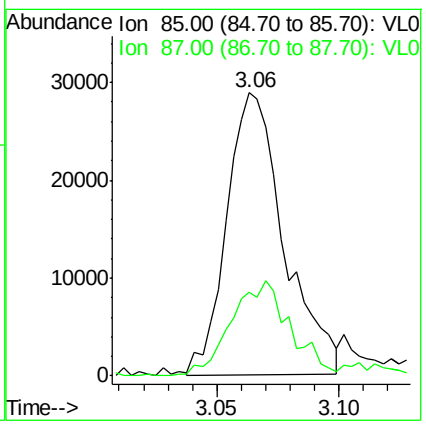


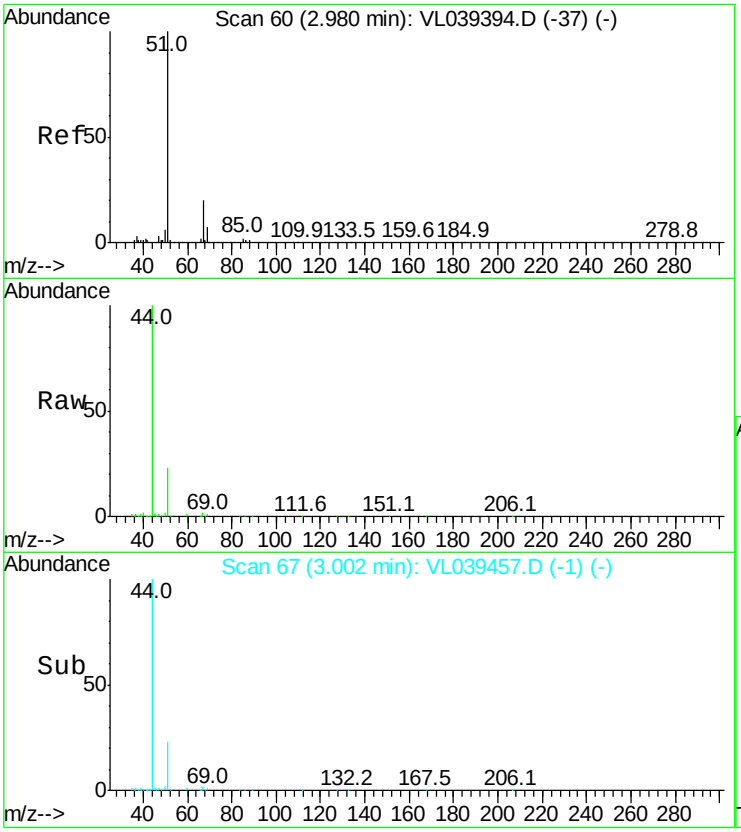


#2
Dichlorodifluoromethane
Concen: 0.22 ppbv
RT: 3.06 min Scan# 86
Delta R.T. 0.02 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 85 Resp: 47334

Ion	Ratio	Lower	Upper
85	100		
87	29.1	26.7	40.1



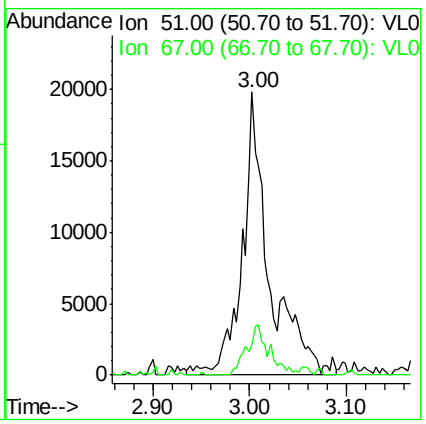


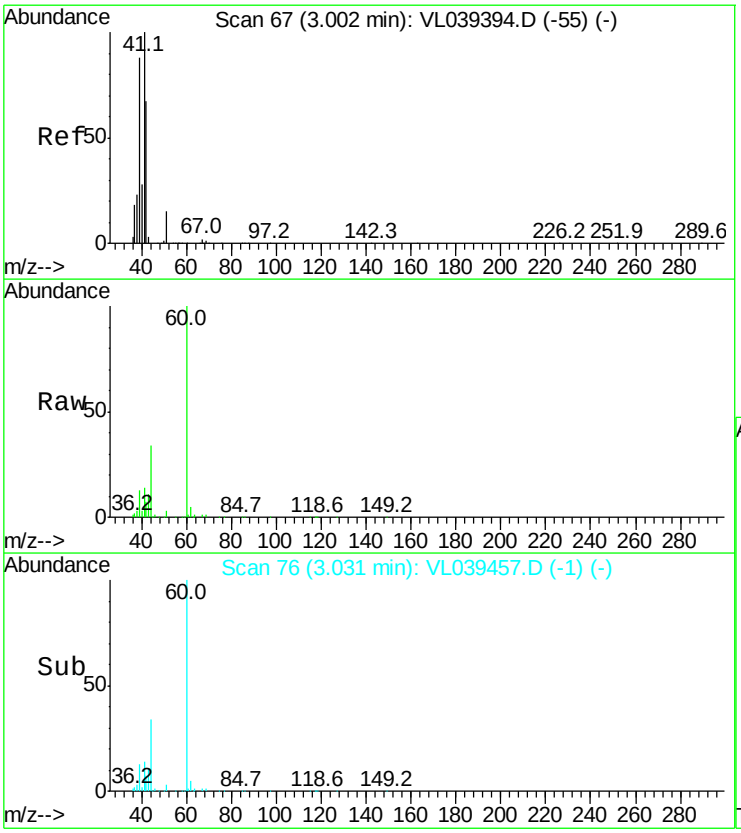
#3
Chlorodifluoromethane
Concen: 0.20 ppbv
RT: 3.00
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 51 Resp: 38416

Ion	Ratio	Lower	Upper
51	100		
67	16.0	15.7	23.5

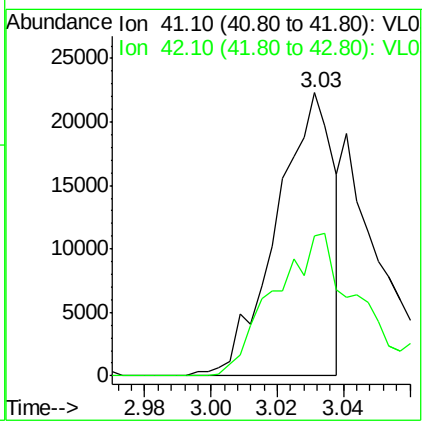


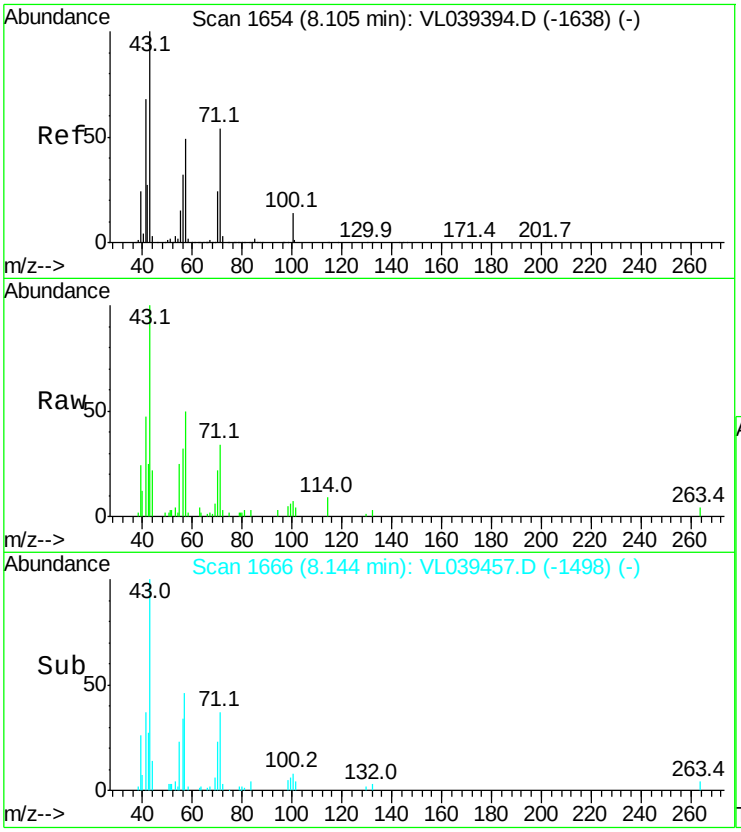


#9
Propene
Concen: 0.31 ppbv
RT: 3.03 min Scan# 76
Delta R.T. 0.03 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 41 Resp: 26673

Ion	Ratio	Lower	Upper
41	100		
42	81.7	55.2	82.8



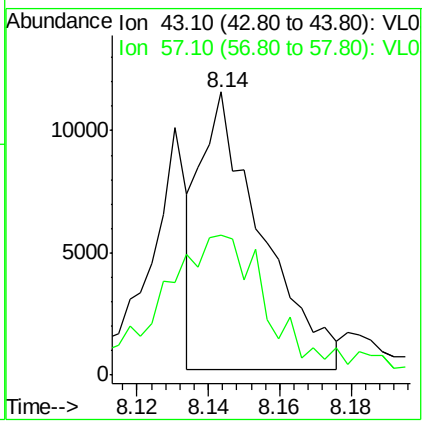


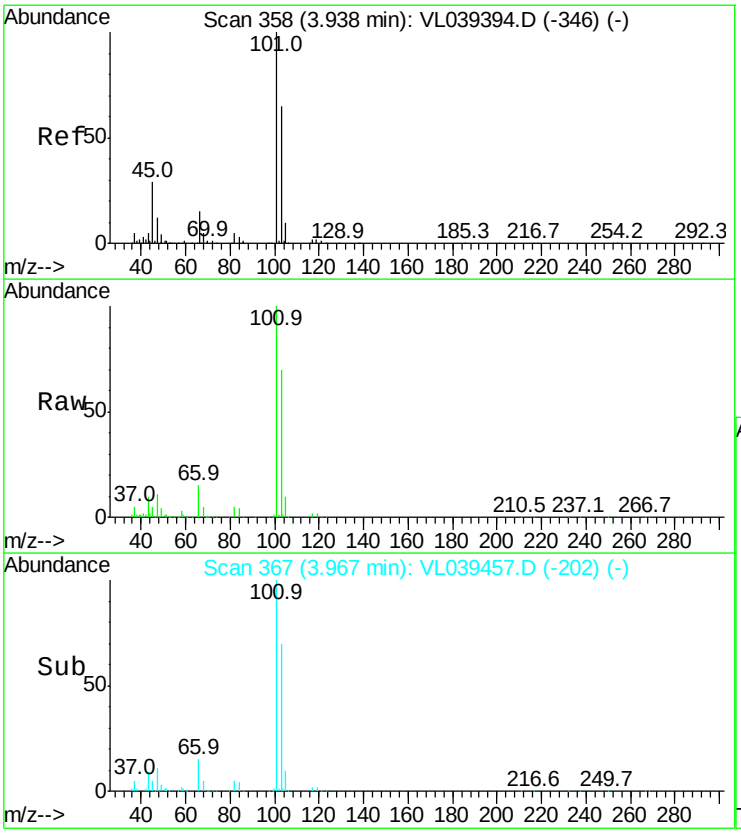
#10
Heptane
Concen: 0.07 ppbv
RT: 8.14
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 43 Resp: 13608

Ion	Ratio	Lower	Upper
43	100		
57	96.3	40.5	60.7#

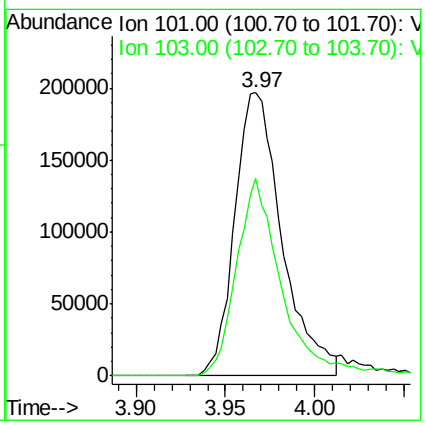


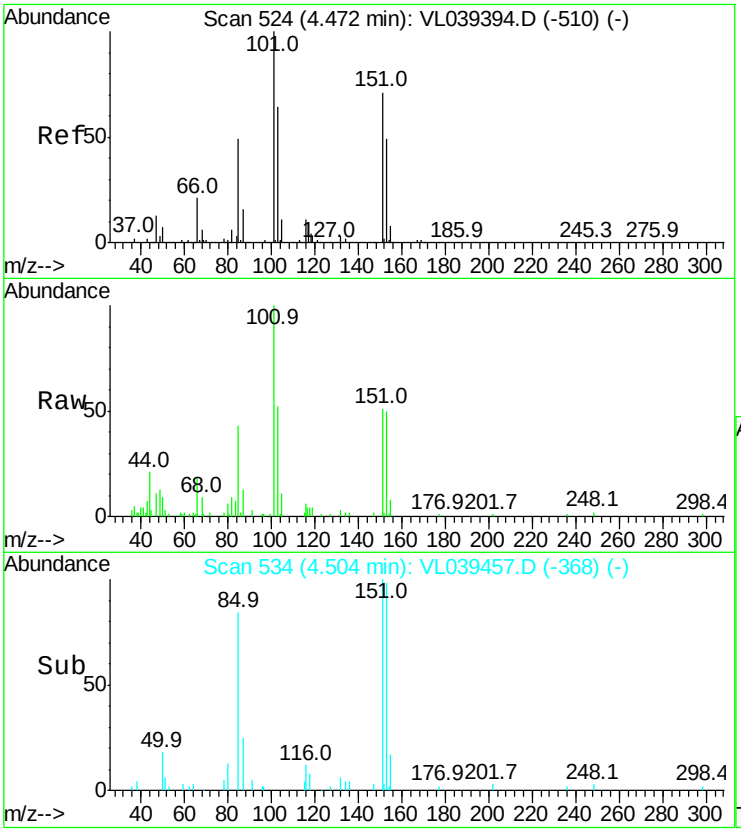


#11
Trichlorofluoromethane
Concen: 1.52 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.03 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:101 Resp: 364867

Ion	Ratio	Lower	Upper
101	100		
103	69.8	51.8	77.8



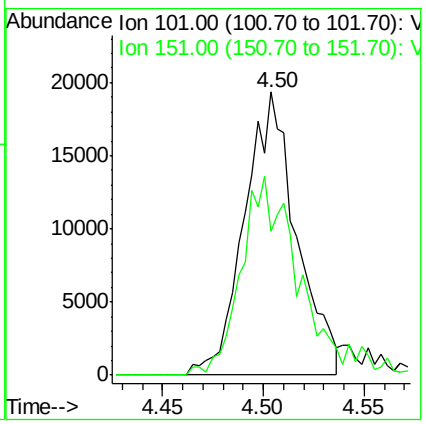


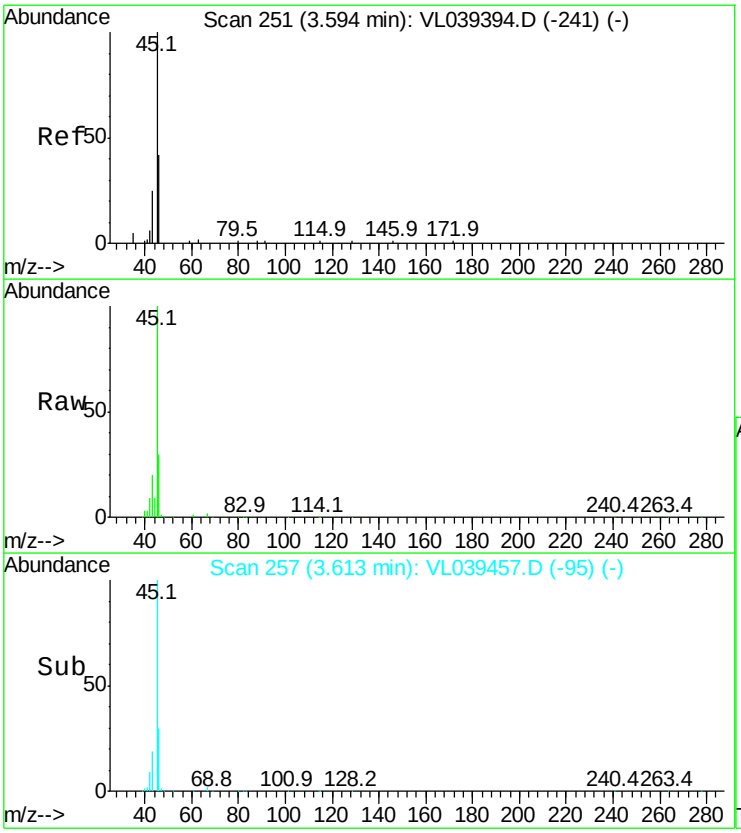
#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.19 ppbv
RT: 4.50
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:101 Resp: 34843

Ion	Ratio	Lower	Upper
101	100		
151	81.4	58.9	88.3

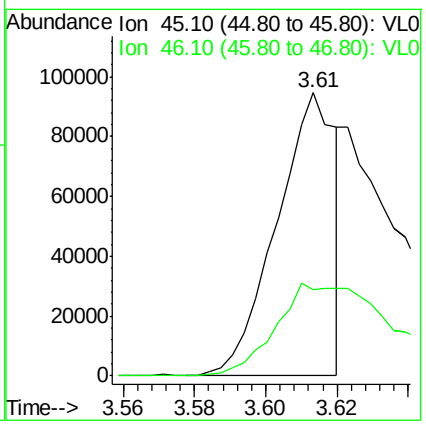


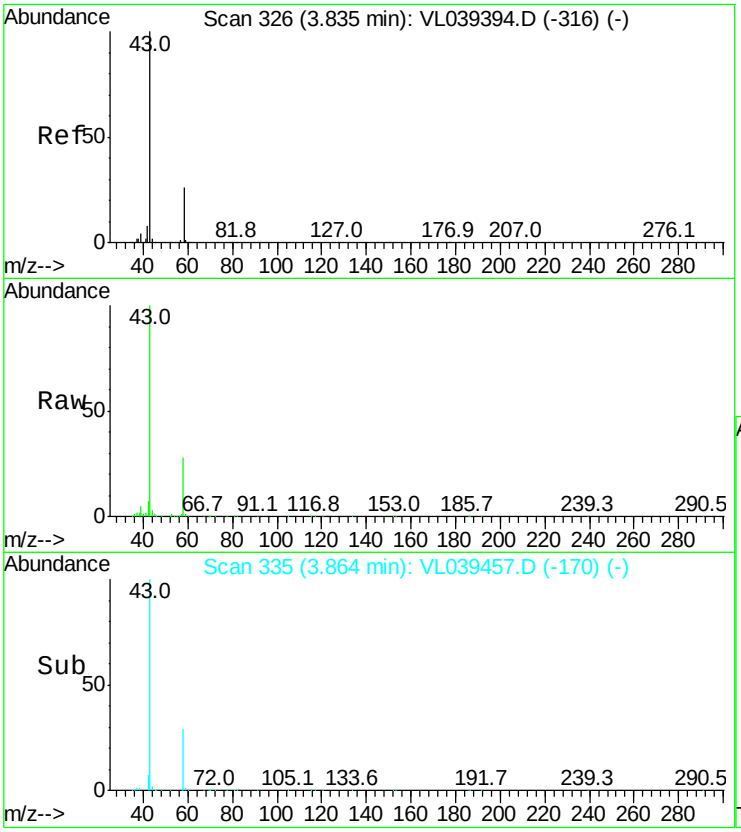


#13
Ethanol
Concen: 21.76 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.02 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 45 Resp: 107997

Ion	Ratio	Lower	Upper
45	100		
46	86.3	22.8	91.2



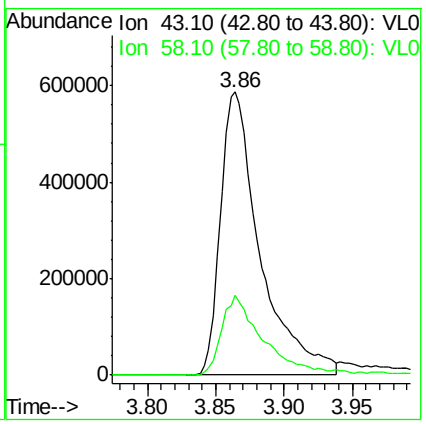


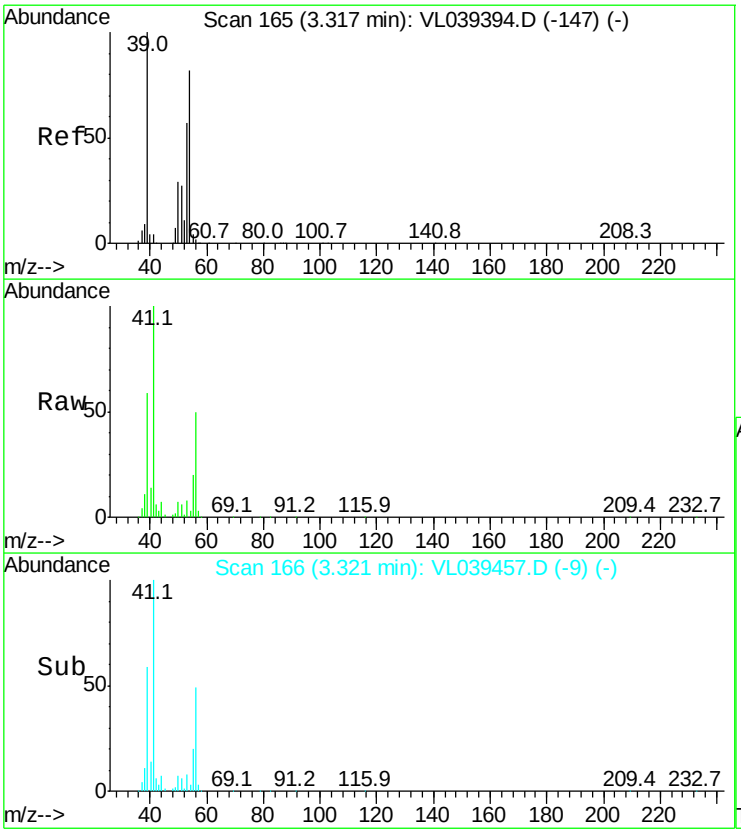
#15
Acetone
Concen: 6.68 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 43 Resp: 1180875

Ion	Ratio	Lower	Upper
43	100		
58	31.6	21.0	31.6#

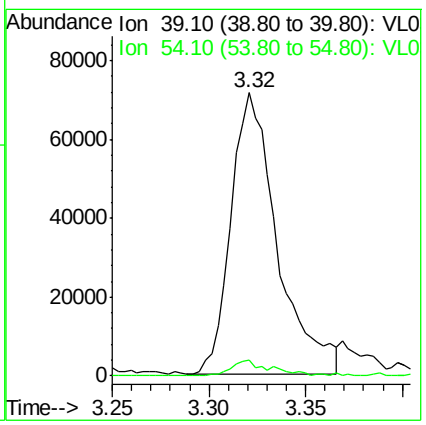


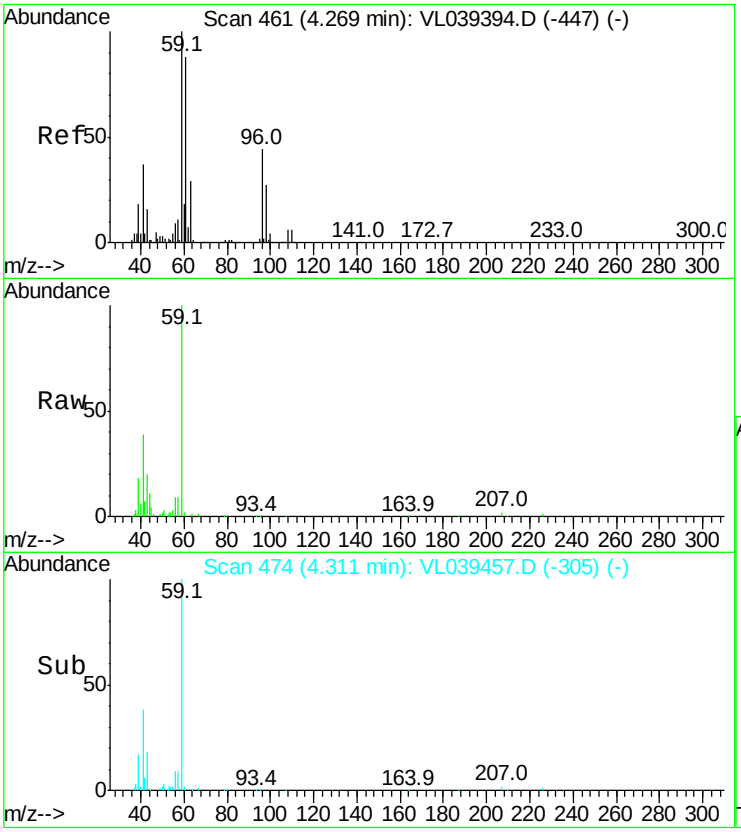


#16
1,3-Butadiene
Concen: 1.30 ppbv
RT: 3.32 min Scan# 166
Delta R.T. 0.00 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 39 Resp: 119091

Ion	Ratio	Lower	Upper
39	100		
54	4.8	63.7	95.5#



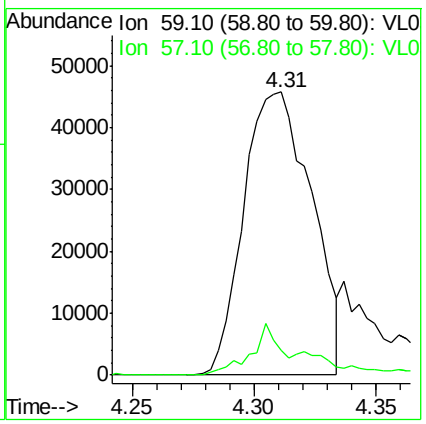


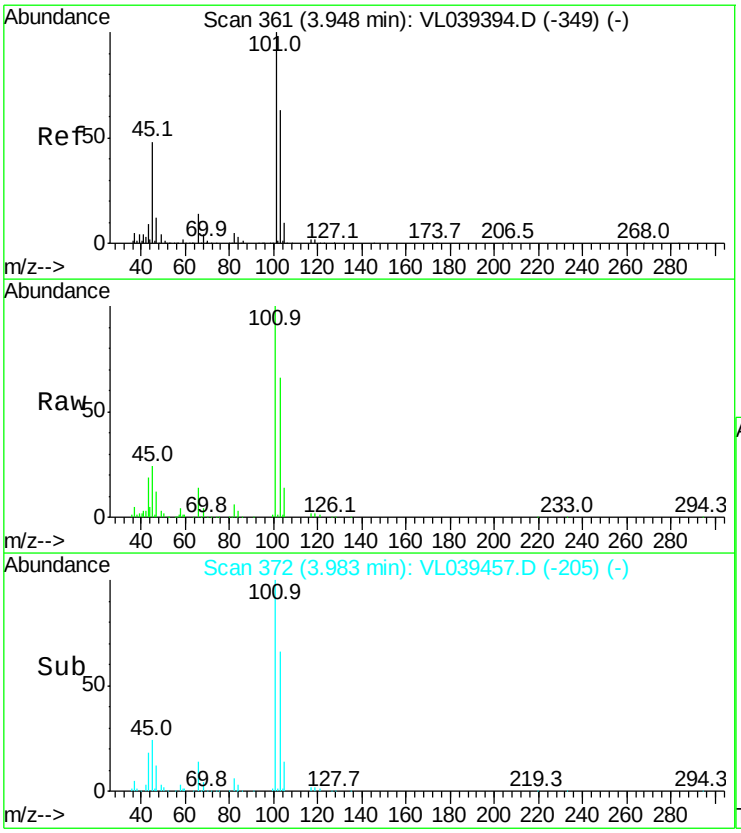
#17
tert-Butyl alcohol
Concen: 0.59 ppbv
RT: 4.31
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 59 Resp: 88437

Ion	Ratio	Lower	Upper
59	100		
57	14.0	8.7	13.1#

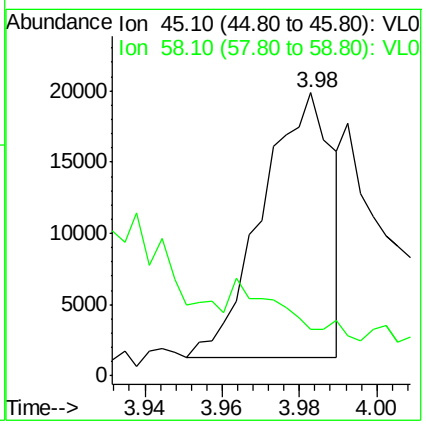


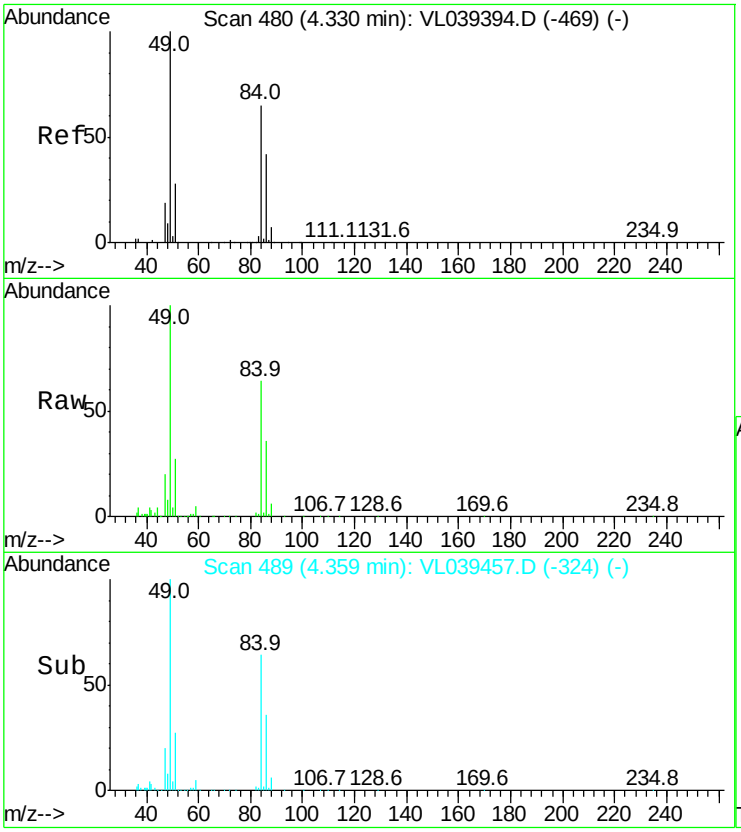


#19
Isopropyl Alcohol
Concen: 0.25 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 45 Resp: 23522

Ion	Ratio	Lower	Upper
45	100		
58	0.0	3.2	4.8#



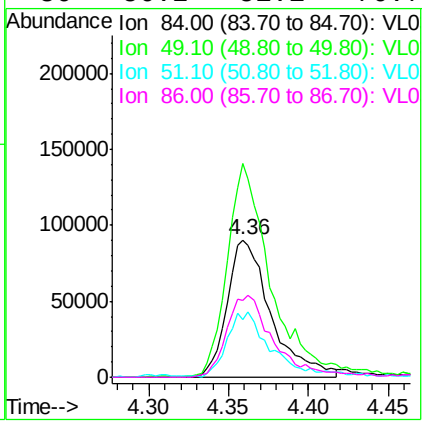


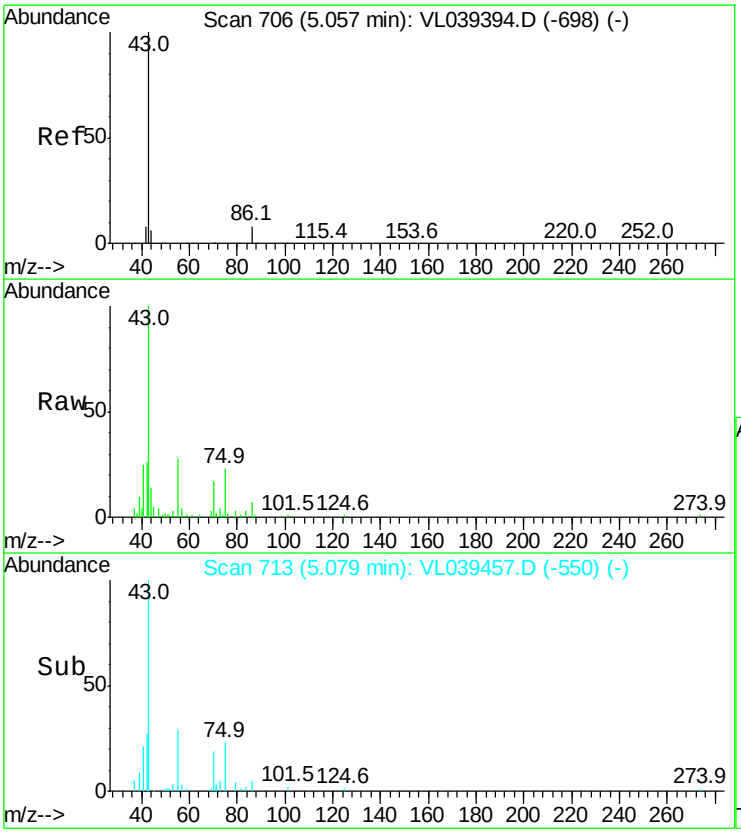
#20
Methylene Chloride
Concen: 2.39 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 84 Resp: 168599

Ion	Ratio	Lower	Upper
84	100		
49	154.4	123.1	184.7
51	41.1	34.4	51.6
86	56.2	51.1	76.7

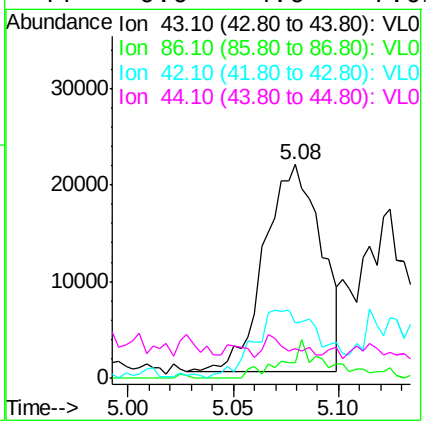


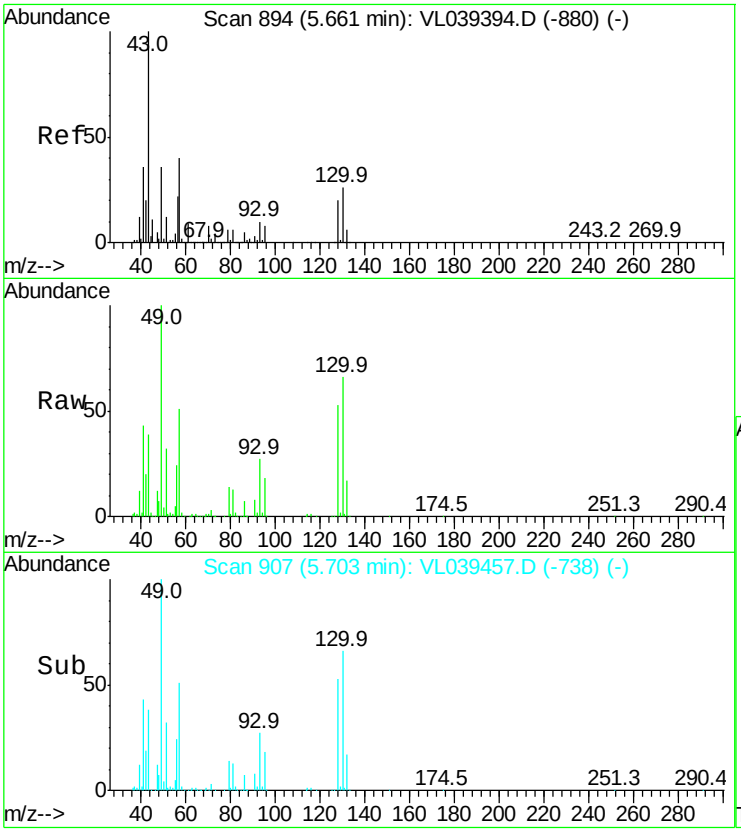


#23
Vinyl Acetate
Concen: 0.34 ppbv
RT: 5.08 min Scan# 713
Delta R.T. 0.02 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 43 Resp: 39764

Ion	Ratio	Lower	Upper
43	100		
86	6.5	5.0	7.6
42	25.8	7.7	11.5#
44	0.0	4.6	7.0#



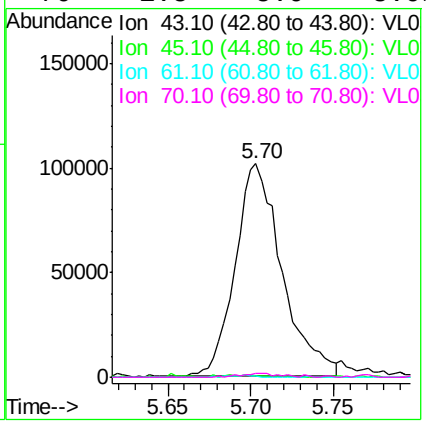


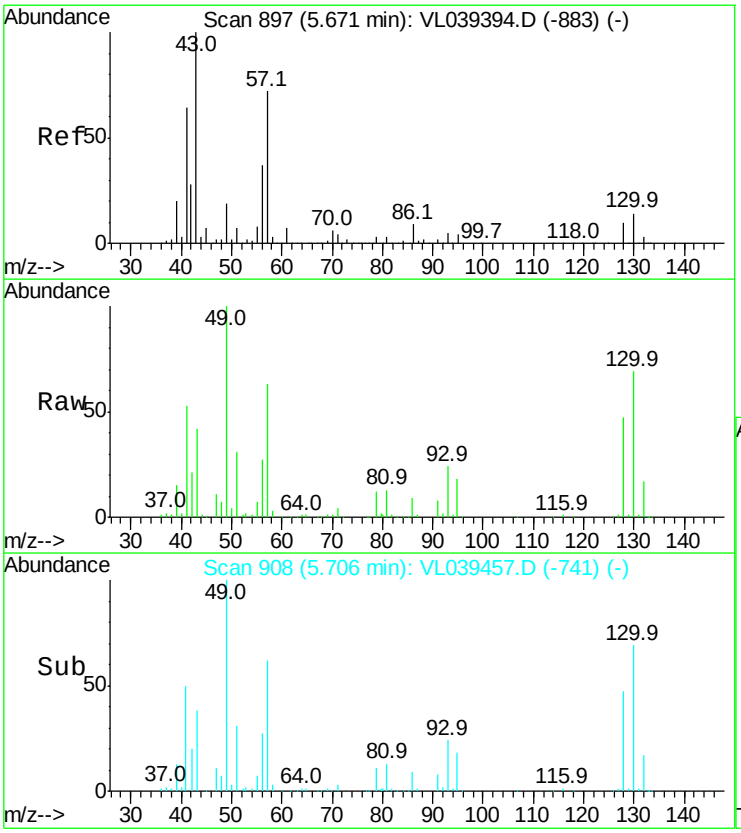
#25
Ethyl Acetate
Concen: 0.55 ppbv
RT: 5.70
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 43 Resp: 200265

Ion	Ratio	Lower	Upper
43	100		
45	1.2	8.2	12.4#
61	0.6	8.3	12.5#
70	1.5	5.9	8.9#

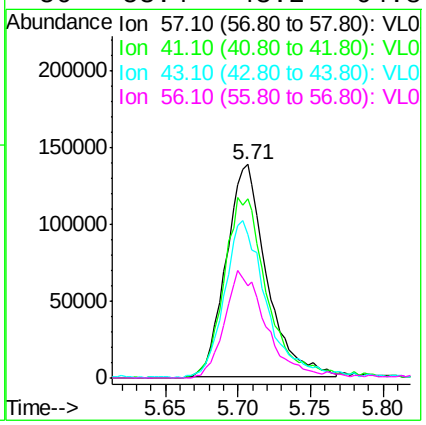


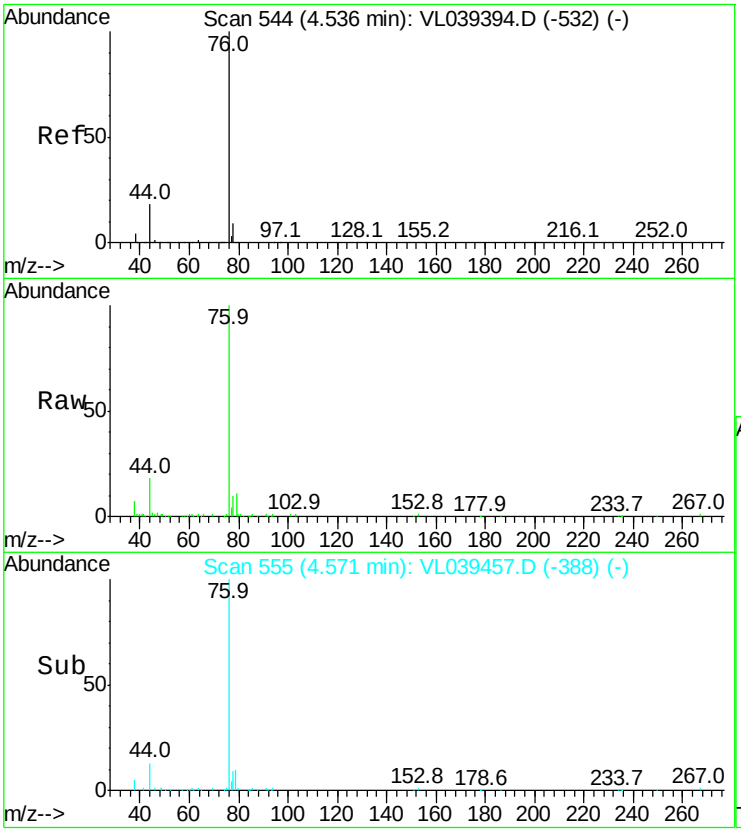


#26
Hexane
Concen: 1.85 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 57 Resp: 269792

Ion	Ratio	Lower	Upper
57	100		
41	92.5	76.9	115.3
43	76.8	191.0	286.6#
56	53.4	43.2	64.8



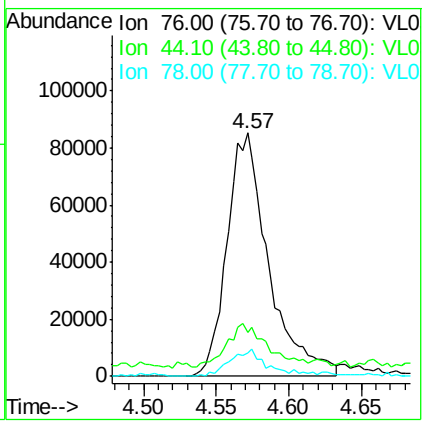


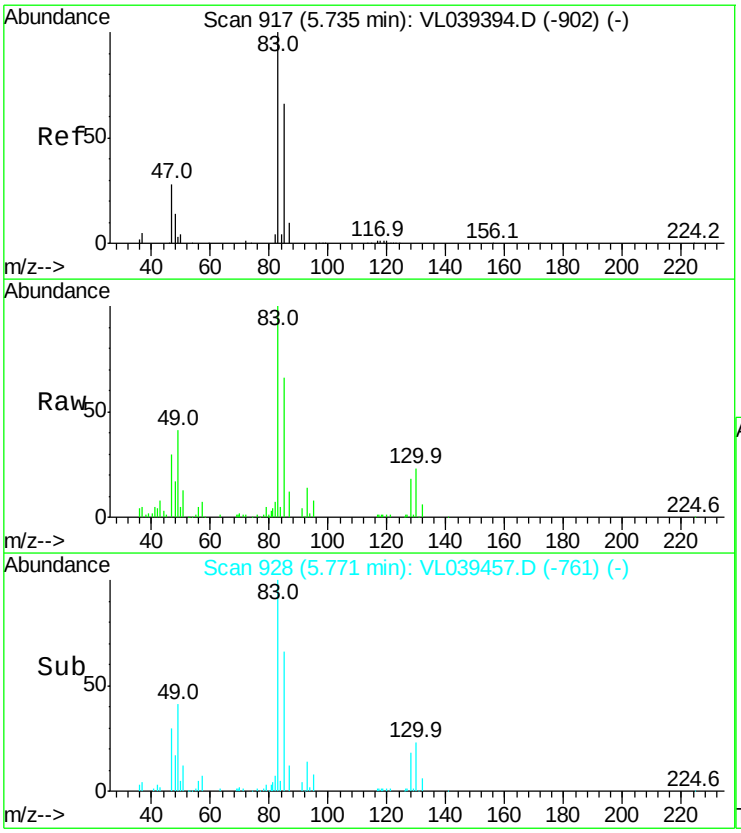
#27
Carbon Disulfide
Concen: 0.96 ppbv
RT: 4.57
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 76 Resp: 169972

Ion	Ratio	Lower	Upper
76	100		
44	22.1	14.6	21.8#
78	11.7	7.8	11.6#

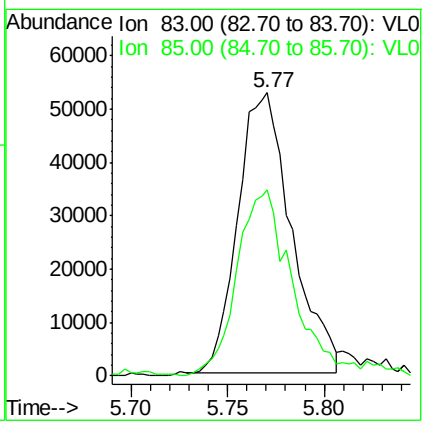


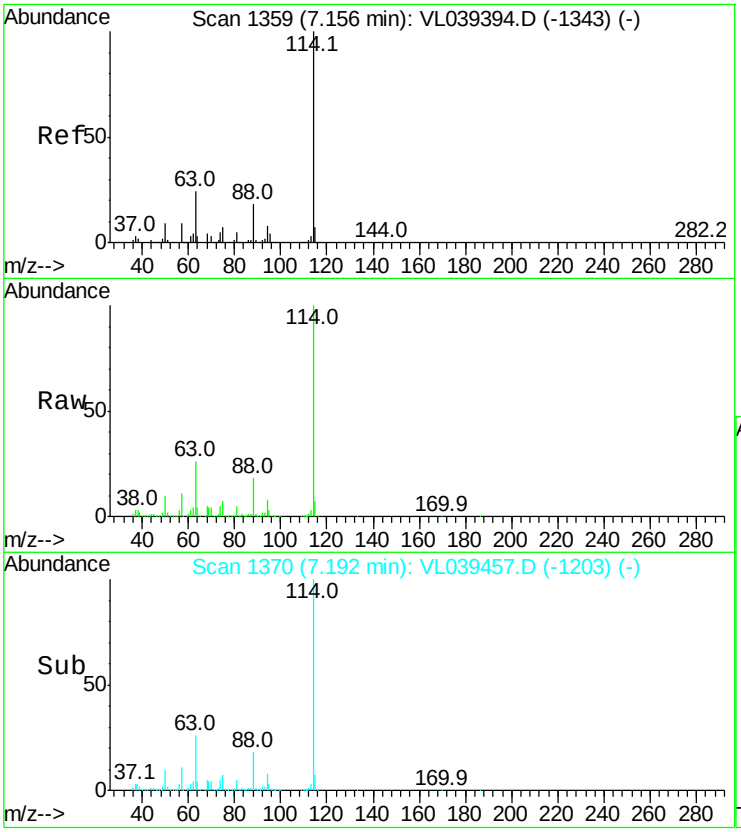


#29
Chloroform
Concen: 0.40 ppbv
RT: 5.77 min Scan# 928
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 83 Resp: 101734

Ion	Ratio	Lower	Upper
83	100		
85	66.5	52.8	79.2



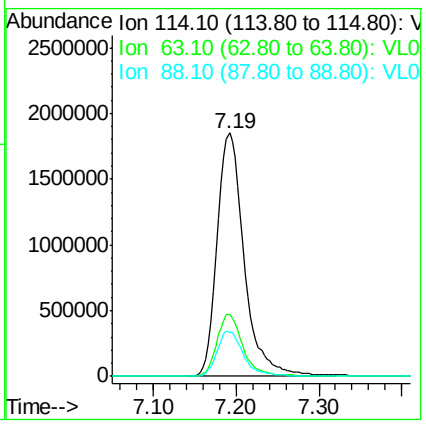


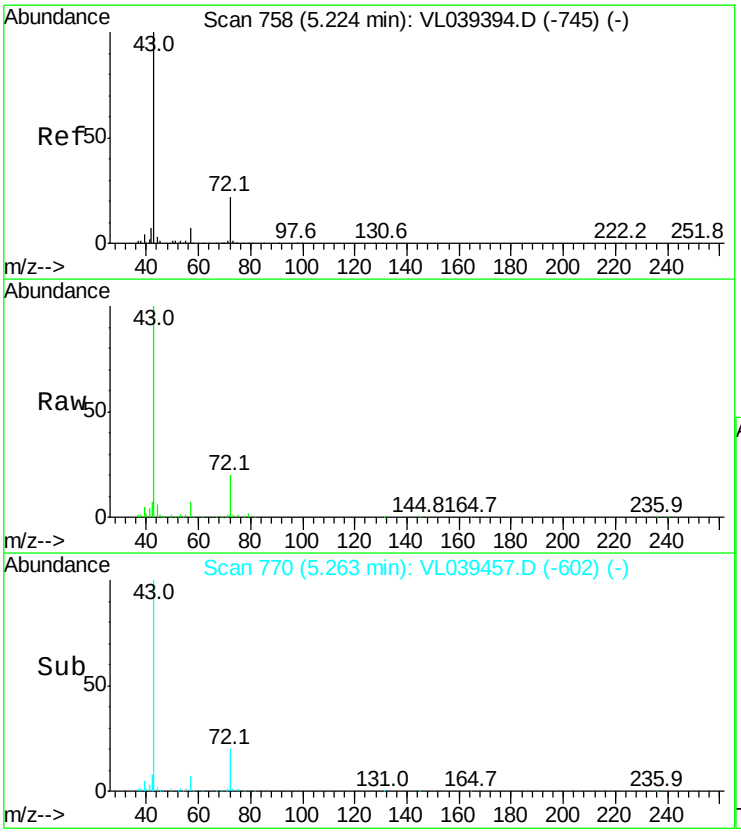
#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:114 Resp: 4184341

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.2	30.4
88	18.3	14.5	21.7

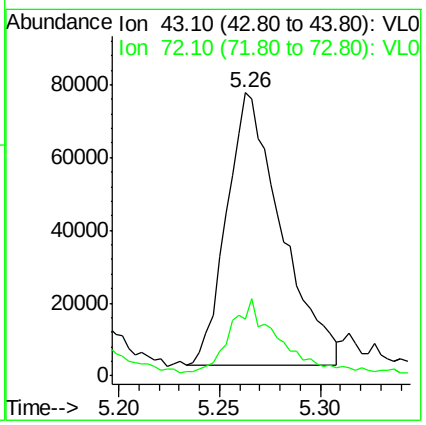


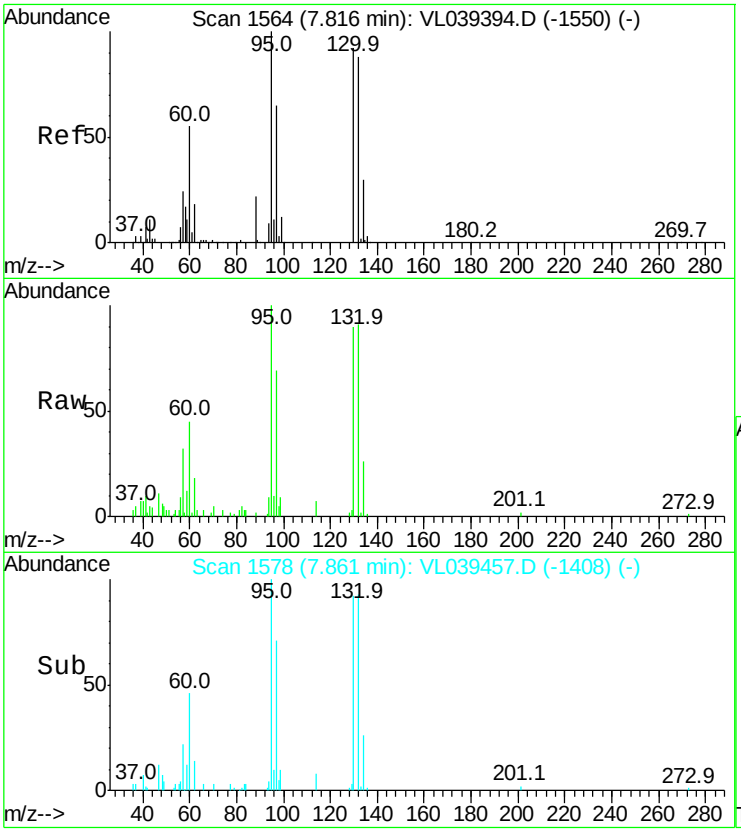


#34
2-Butanone
Concen: 0.67 ppbv
RT: 5.26 min Scan# 770
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 43 Resp: 142118

Ion	Ratio	Lower	Upper
43	100		
72	26.7	17.9	26.9



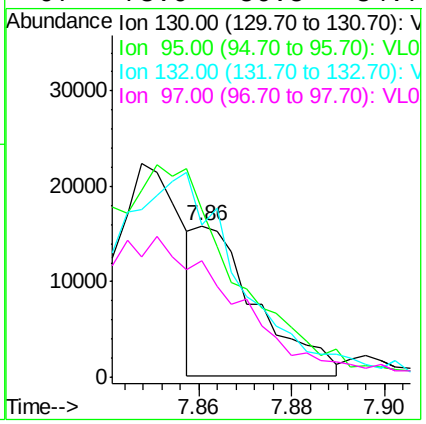


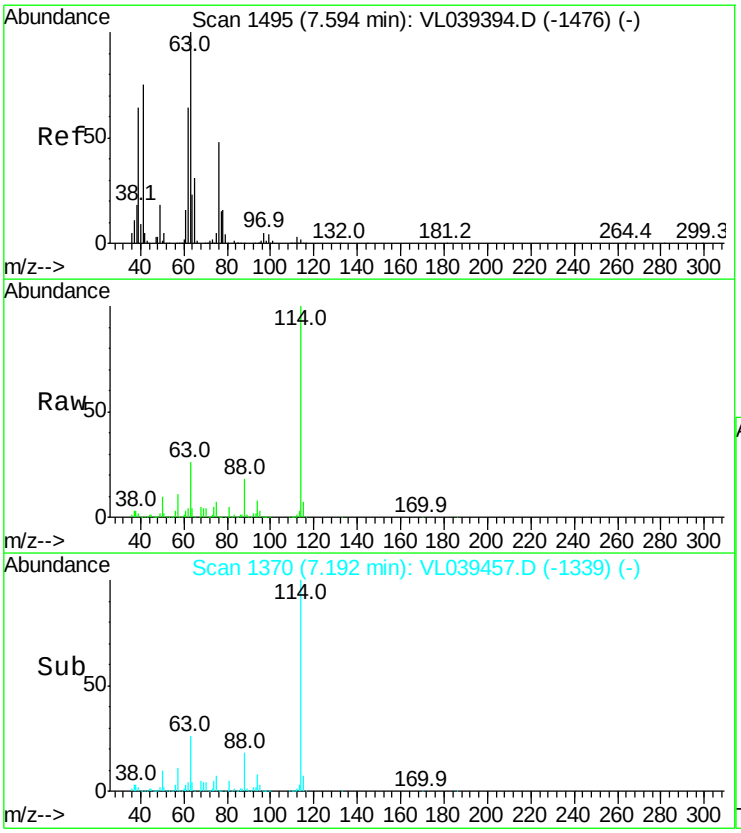
#38
Trichloroethene
Concen: 0.08 ppbv
RT: 7.86
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:130 Resp: 14417

Ion	Ratio	Lower	Upper
130	100		
95	101.7	87.3	130.9
132	93.3	76.7	115.1
97	73.0	56.5	84.7

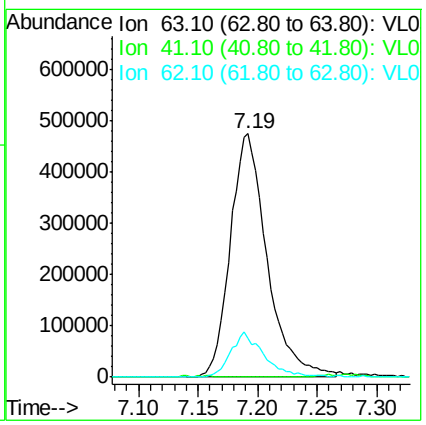


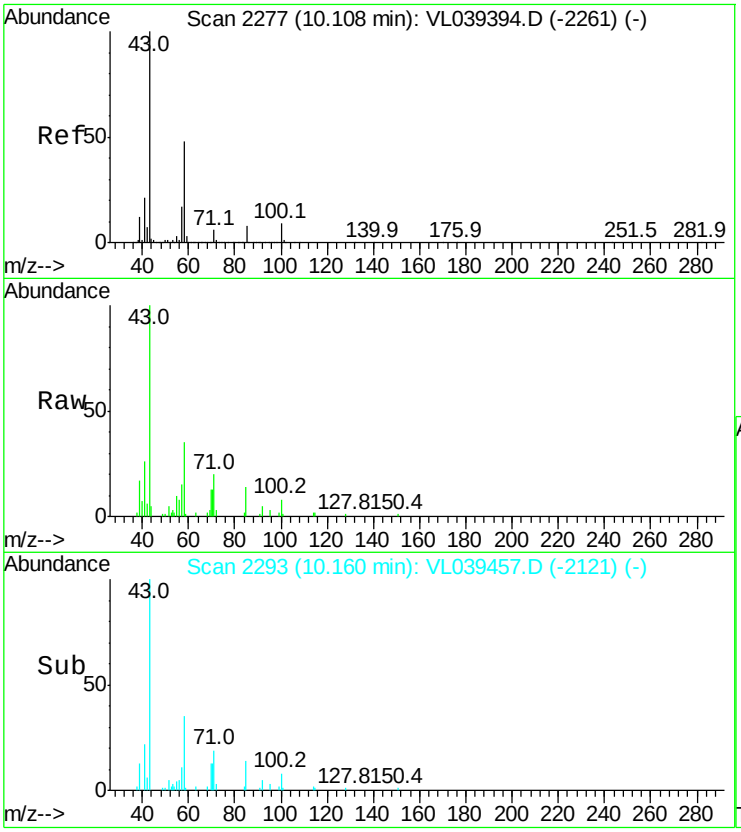


#39
1,2-Dichloropropane
Concen: 8.38 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.40 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 63 Resp: 1013679

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.1	51.4	77.0#



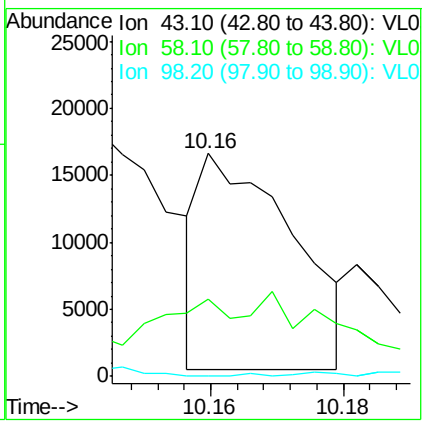


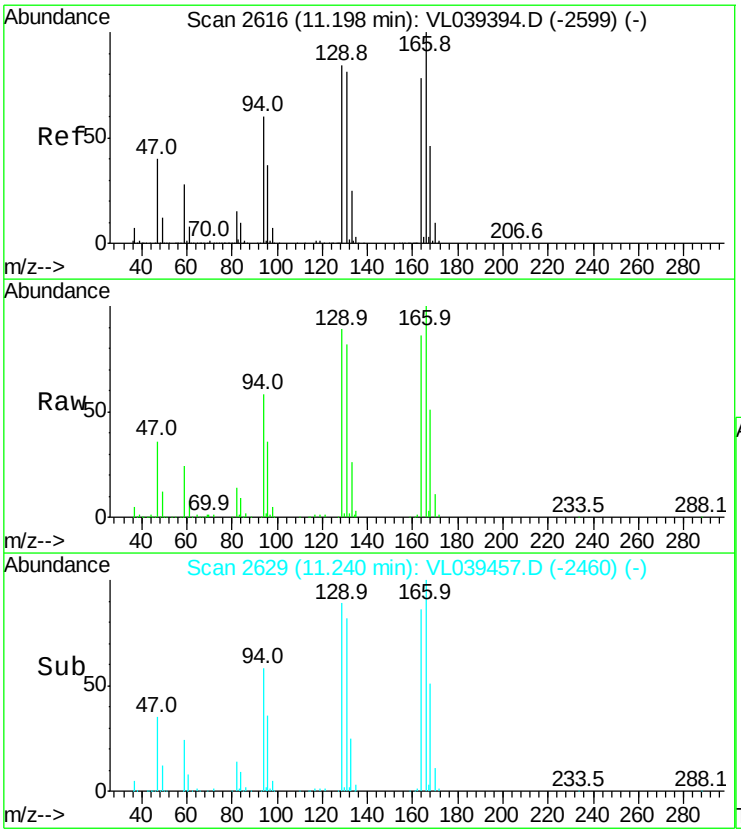
#51
2-Hexanone
Concen: 0.07 ppbv
RT: 10.16
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 43 Resp: 15688

Ion	Ratio	Lower	Upper
43	100		
58	86.0	38.4	57.6#
98	0.0	0.3	0.5#

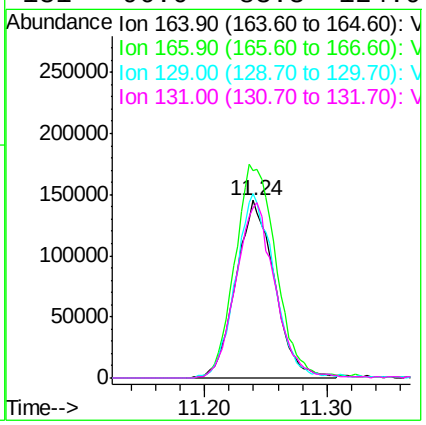


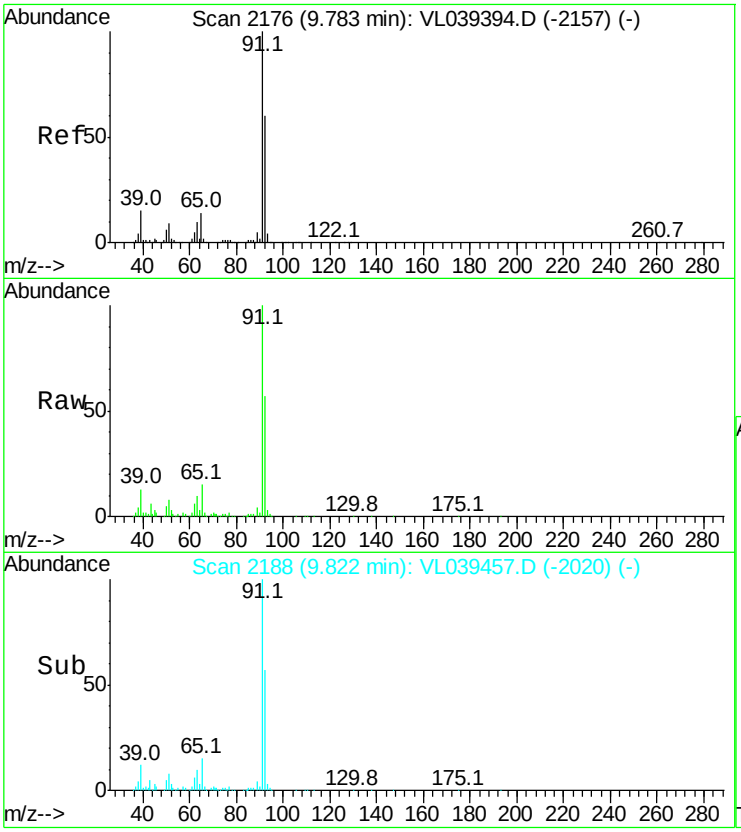


#52
Tetrachloroethene
Concen: 2.44 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:164 Resp: 317546

Ion	Ratio	Lower	Upper
164	100		
166	116.6	102.2	153.2
129	103.6	85.8	128.8
131	96.0	83.3	124.9



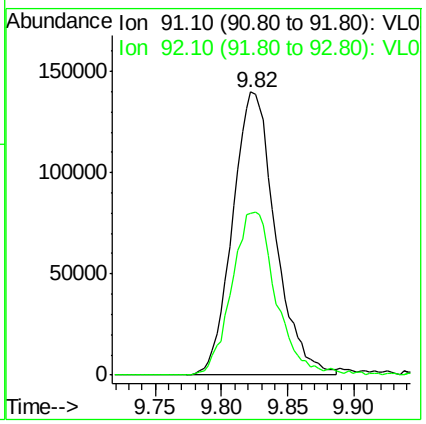


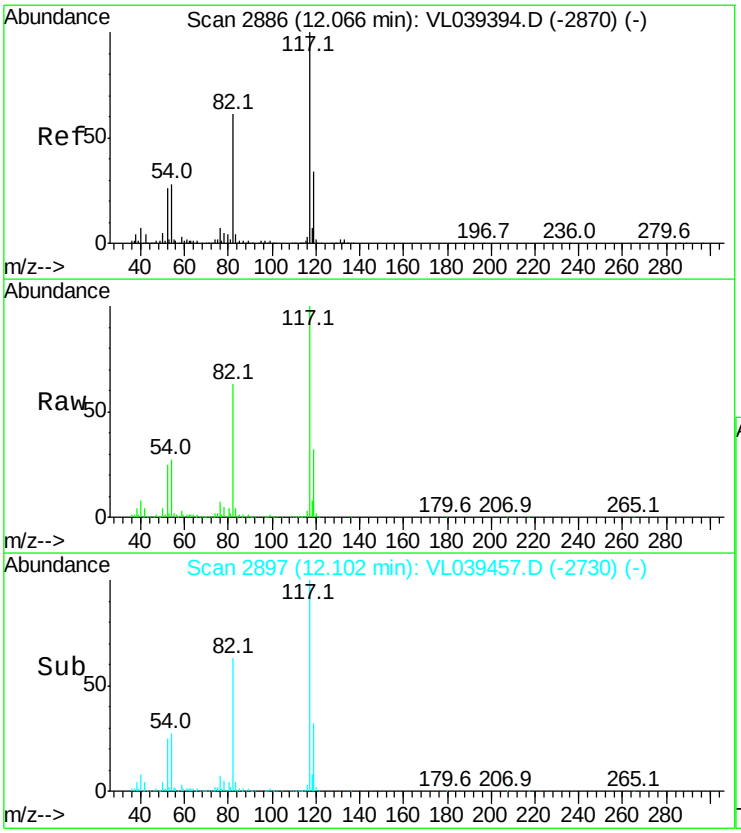
#53
Toluene
Concen: 0.84 ppbv
RT: 9.82
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 91 Resp: 313741

Ion	Ratio	Lower	Upper
91	100		
92	59.8	48.2	72.2

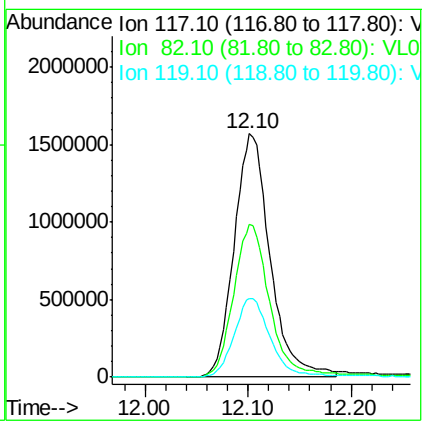


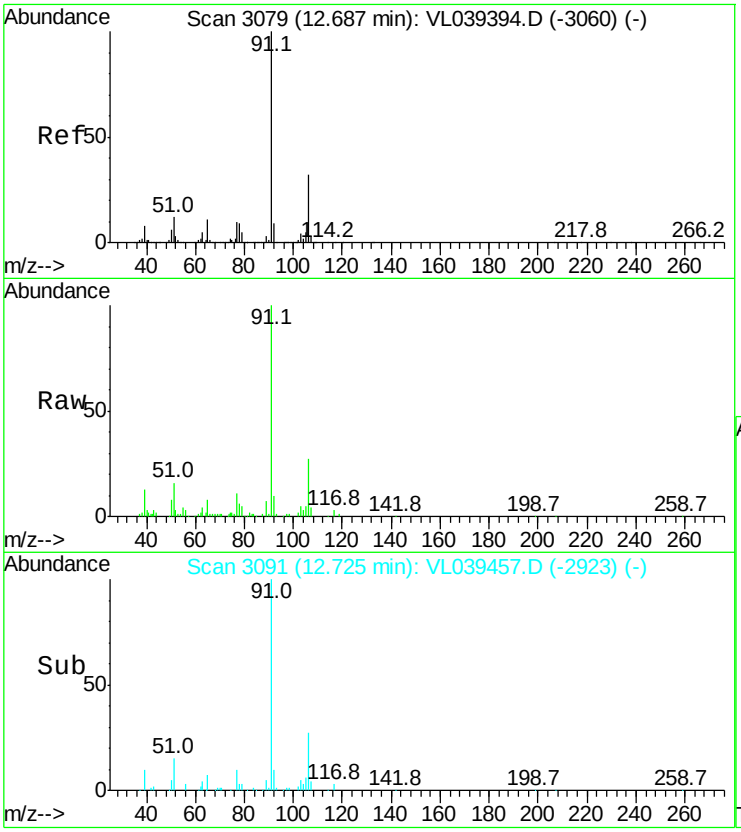


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:117 Resp: 3813861

Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.8	76.2
119	33.9	24.1	36.1



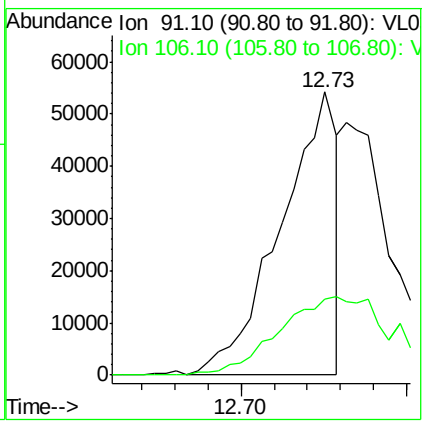


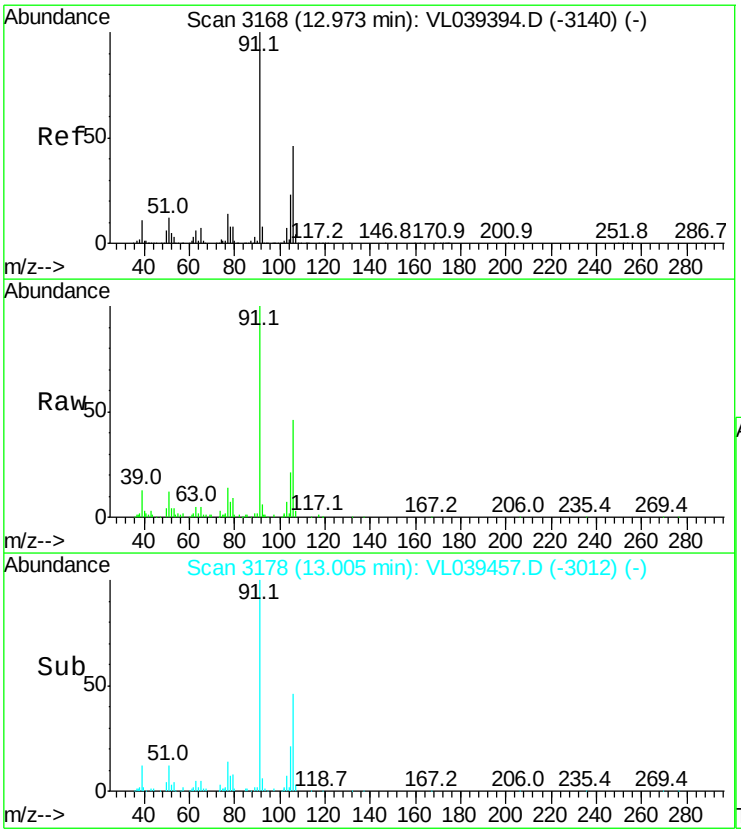
#58
Ethyl Benzene
Concen: 0.13 ppbv
RT: 12.73
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 91 Resp: 64062

Ion	Ratio	Lower	Upper
91	100		
106	26.6	25.4	38.0

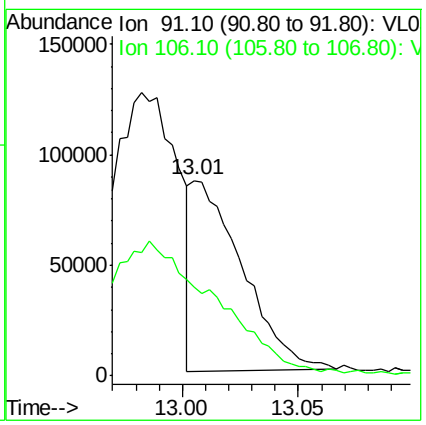


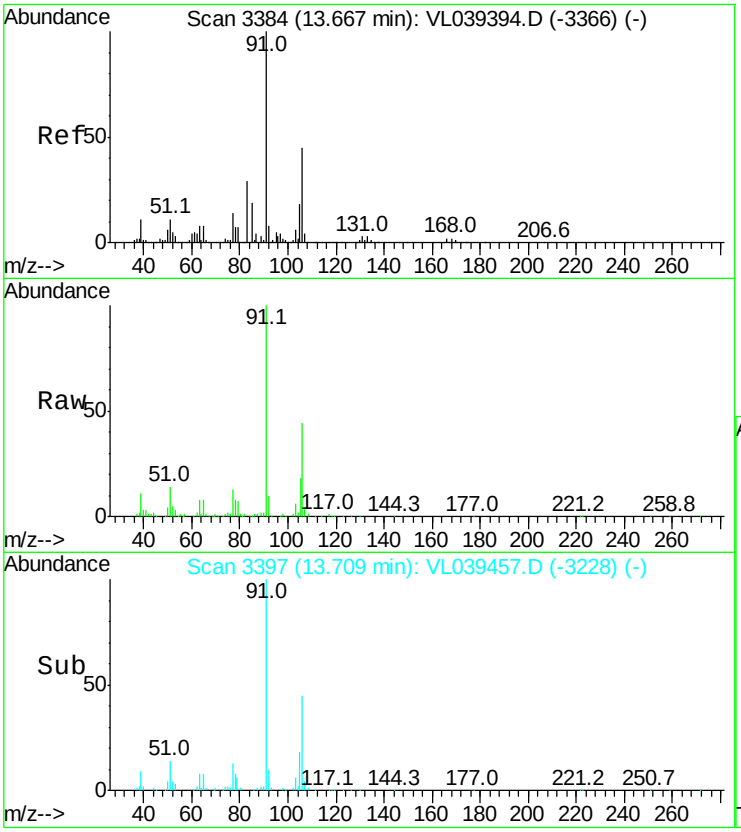


#59
m/p-Xylene
Concen: 0.30 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. 0.03 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 91 Resp: 131502

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#



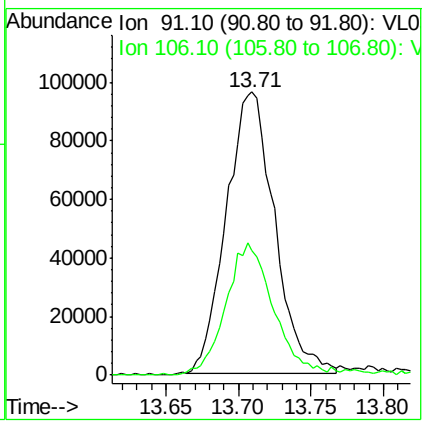


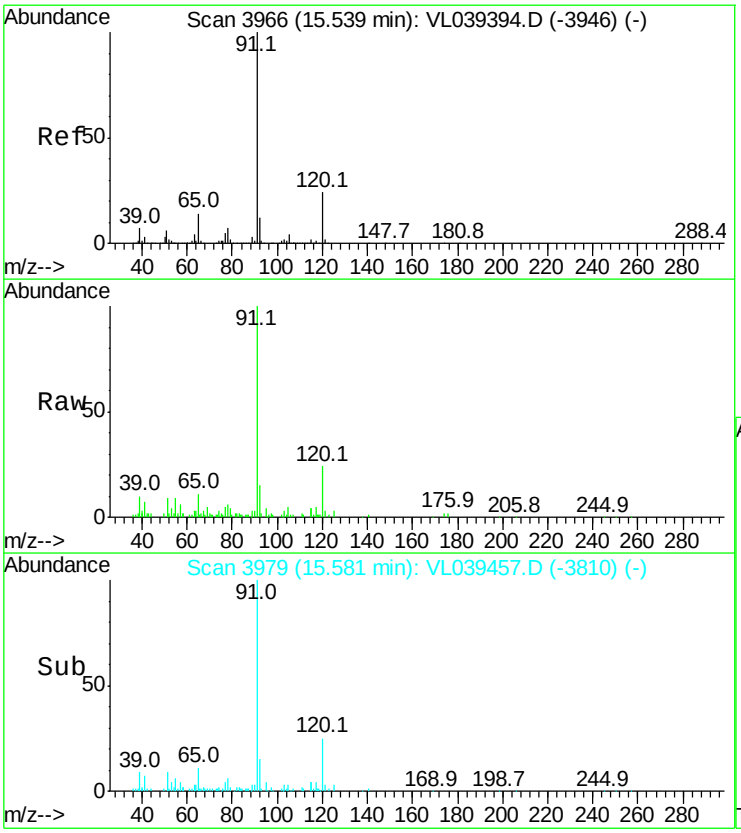
#60
o-Xylene
Concen: 0.54 ppbv
RT: 13.71
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 91 Resp: 222972

Ion	Ratio	Lower	Upper
91	100		
106	46.8	22.4	67.3

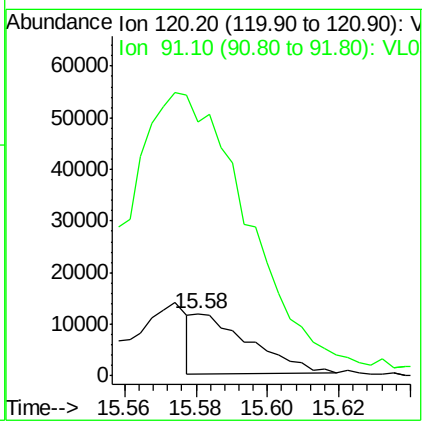


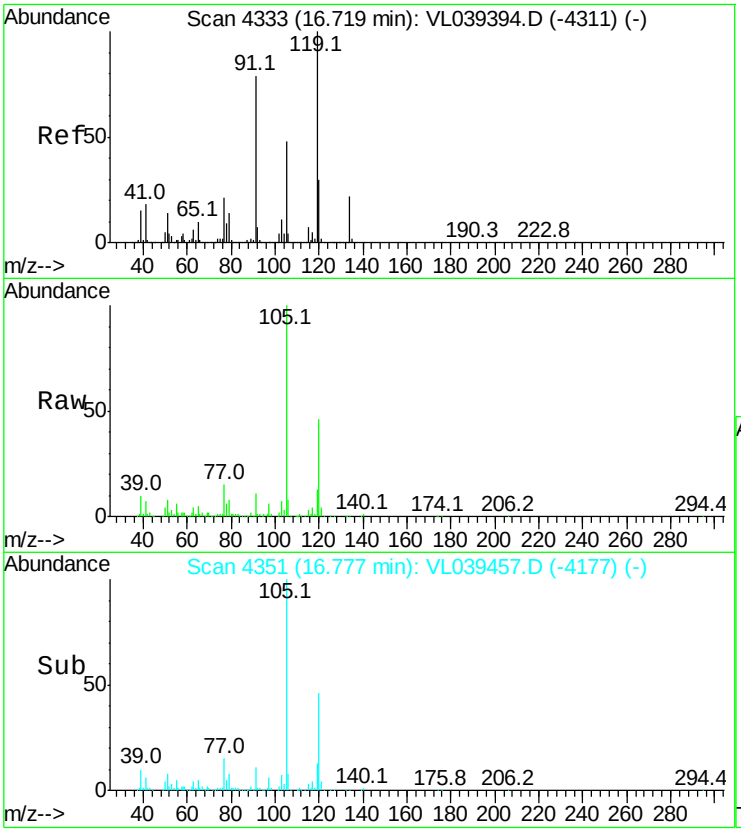


#64
n-propylbenzene
Concen: 0.08 ppbv
RT: 15.58 min Scan# 3979
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:120 Resp: 12736

Ion	Ratio	Lower	Upper
120	100		
91	0.0	367.2	550.8#



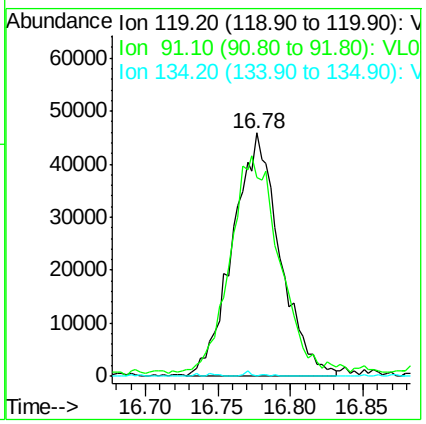


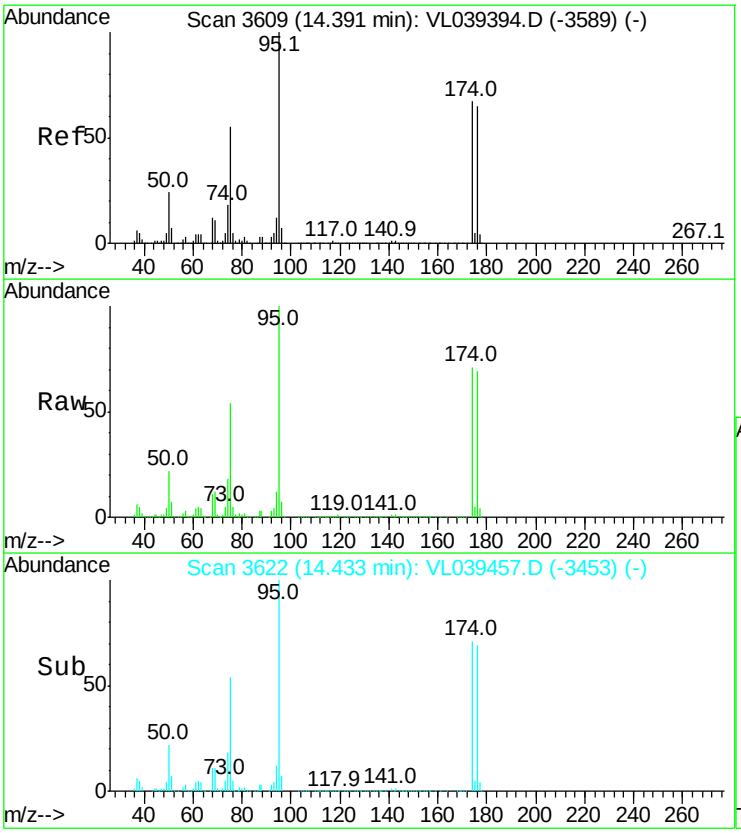
#65
tert-Butylbenzene
Concen: 0.18 ppbv
RT: 16.78
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:119 Resp: 103918

Ion	Ratio	Lower	Upper
119	100		
91	97.0	63.4	95.2#
134	0.0	15.9	23.9#

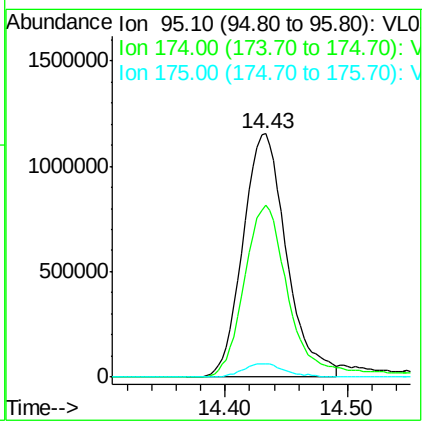


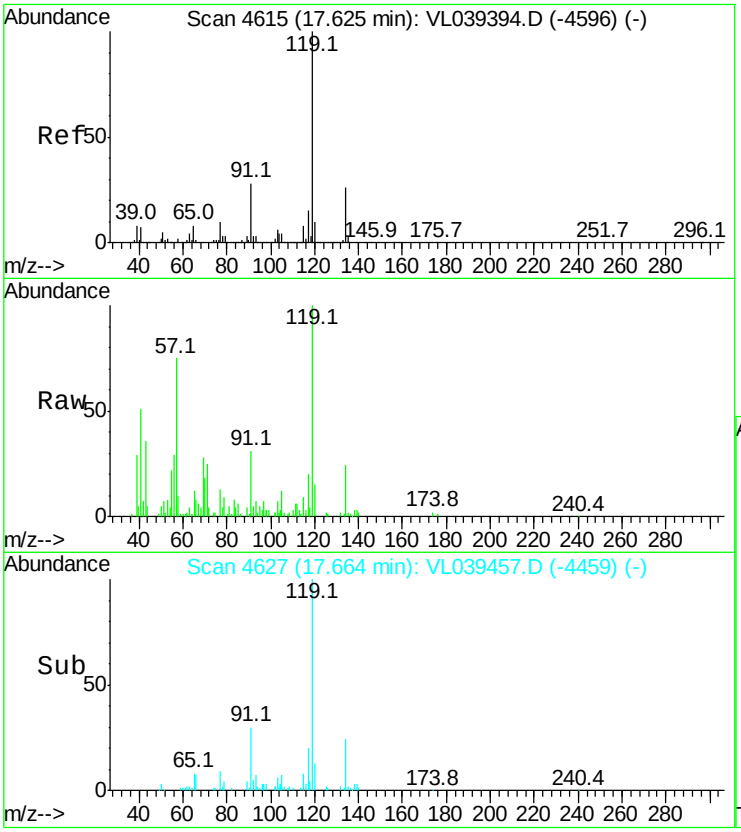


#68
1-Bromo-4-Fluorobenzene
Concen: 10.09 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 95 Resp: 2853843

Ion	Ratio	Lower	Upper
95	100		
174	74.9	55.9	83.9
175	5.7	4.2	6.4



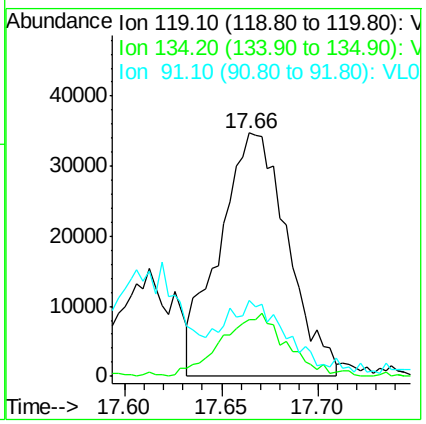


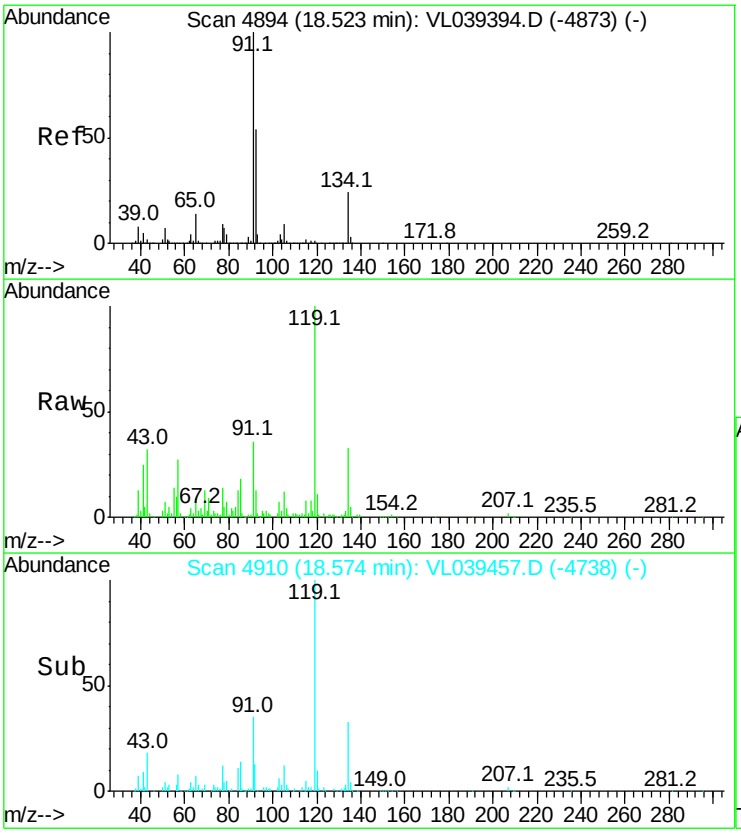
#69
p-Isopropyltoluene
Concen: 0.13 ppbv
RT: 17.66
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:119 Resp: 84558

Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	31.7	22.9	34.3

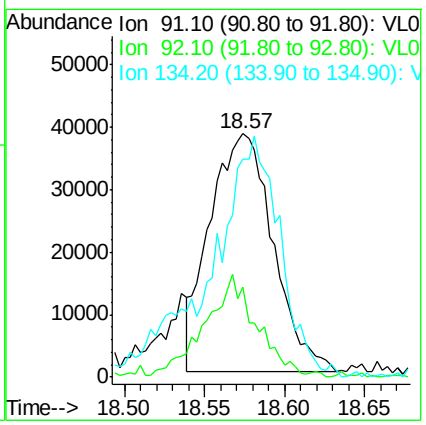


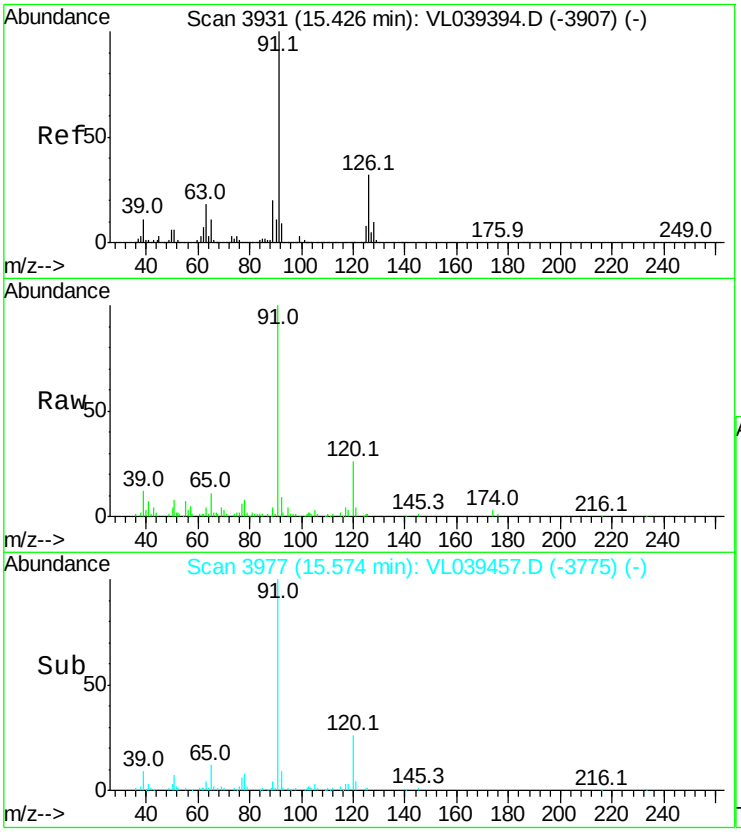


#70
n-Butylbenzene
Concen: 0.16 ppbv
RT: 18.57 min Scan# 4910
Delta R.T. 0.05 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion: 91 Resp: 103894

Ion	Ratio	Lower	Upper
91	100		
92	36.6	43.4	65.2#
134	113.1	18.9	28.3#



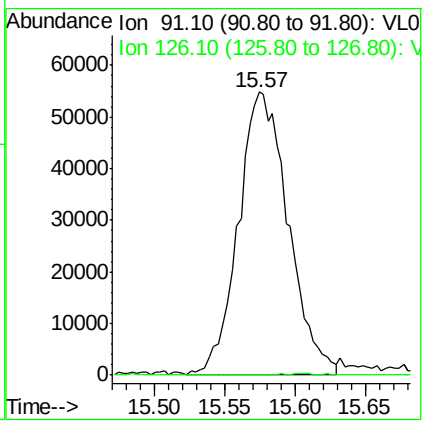


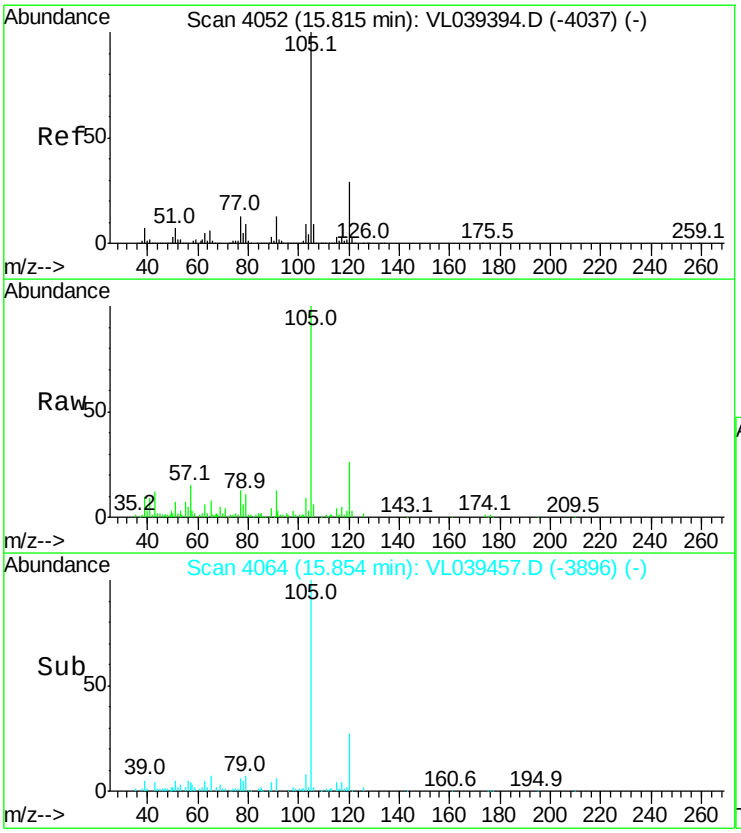
#71
2-Chlorotoluene
Concen: 0.30 ppbv
RT: 15.57
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion: 91 Resp: 135498

Ion	Ratio	Lower	Upper
91	100		
126	0.3	13.0	51.8#

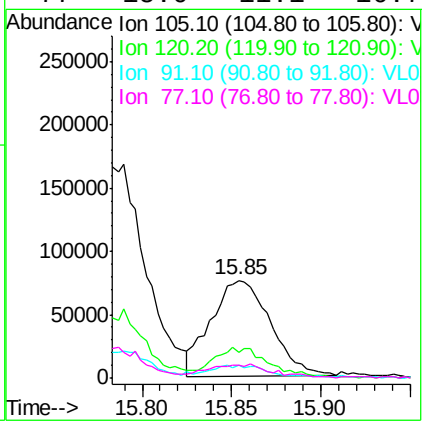


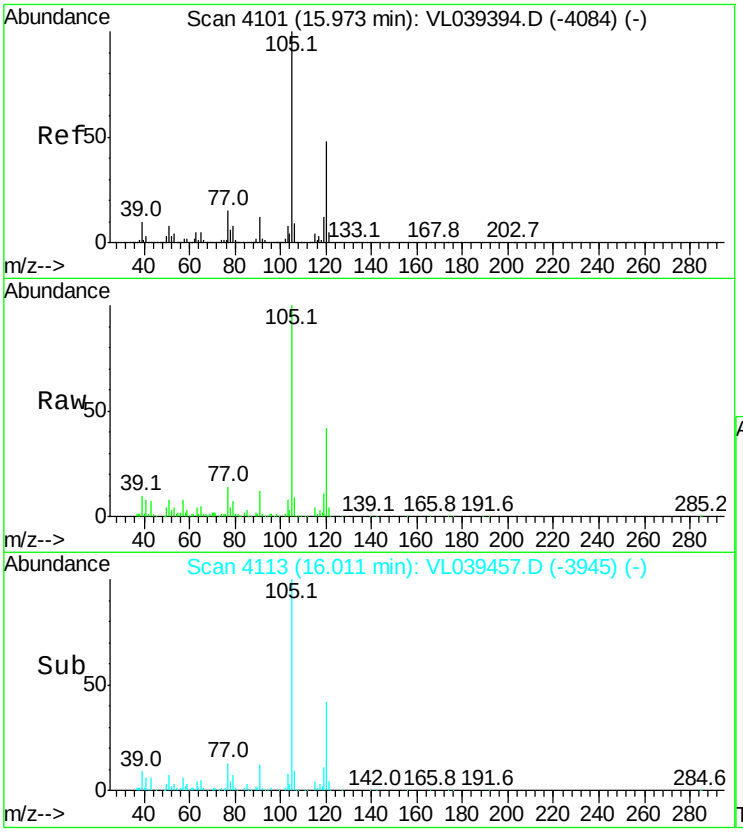


#72
4-Ethyltoluene
Concen: 0.36 ppbv
RT: 15.85 min Scan# 4064
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:105 Resp: 173989

Ion	Ratio	Lower	Upper
105	100		
120	30.2	24.2	36.2
91	12.2	10.2	15.4
77	15.0	11.1	16.7



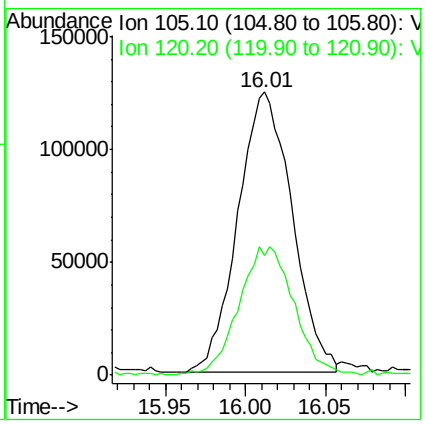


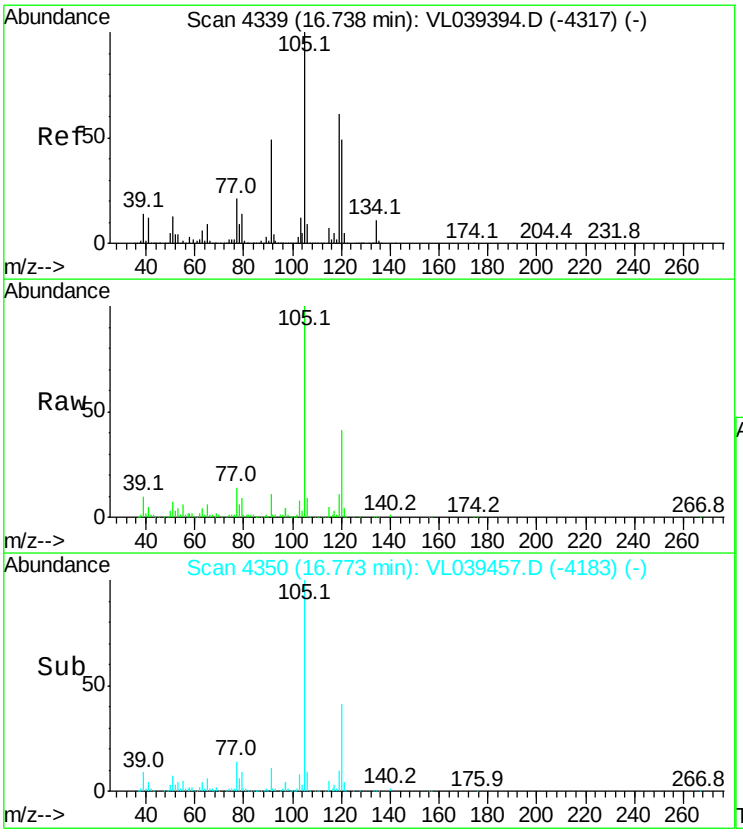
#73
1,3,5-Trimethylbenzene
Concen: 0.65 ppbv
RT: 16.01
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:105 Resp: 288048

Ion	Ratio	Lower	Upper
105	100		
120	42.3	38.2	57.4

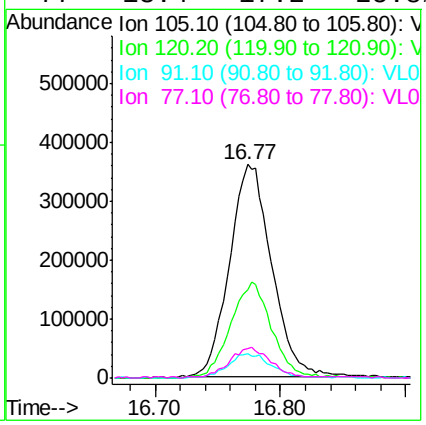


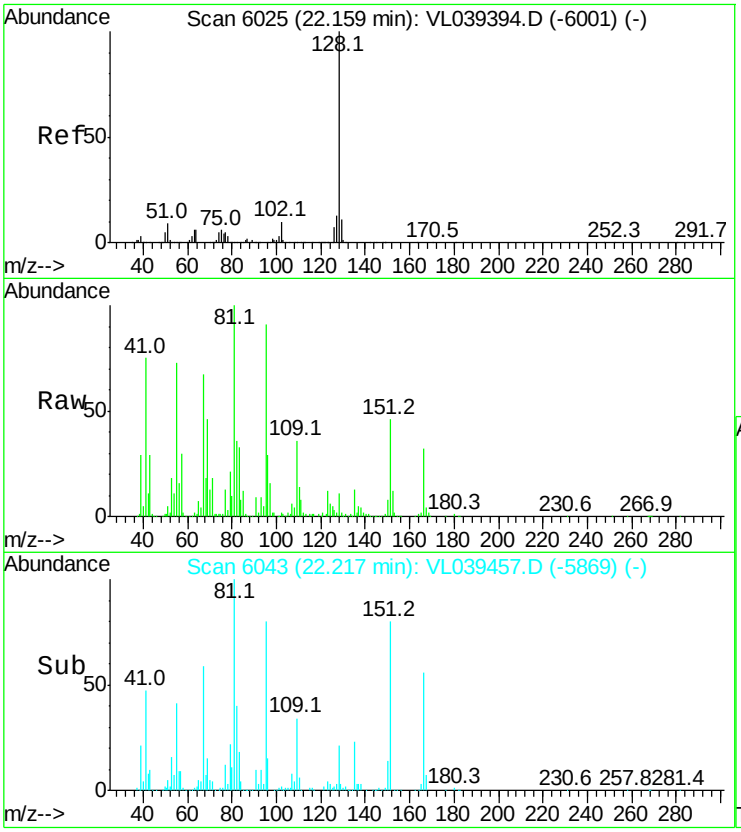


#74
1,2,4-Trimethylbenzene
Concen: 1.70 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.04 min
Lab File: VL039457.D
Acq: 12 Jul 2022 20:57

Tgt Ion:105 Resp: 837274

Ion	Ratio	Lower	Upper
105	100		
120	41.4	39.5	59.3
91	11.3	39.2	58.8#
77	13.4	17.2	25.8#





#79
Naphthalene
Concen: 0.15 ppbv
RT: 22.22
Delta R.T
Lab File:
Acq: 12 Jul 2022 20:57

Instrument :
MSVOA_L
ClientSampleId :
SG-11

Tgt Ion:128 Resp: 49073

Ion	Ratio	Lower	Upper
128	100		
127	11.9	10.6	15.8
129	15.6	8.8	13.2#