Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
Data File : VL039476.D
Acq On : 13 Jul 2022 22:49
Operator : SY/AP
Sample : N3660-06DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Quant Time: Jul 14 01:24:24 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	5.67	49	1179140	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.18	114	3310874	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.09	117	2966747	10.00	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.42	95	2323670	10.56	ppbv		0.03
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	59014	0.35	ppbv		100
3) Chlorodifluoromethane	3.04	51	76100	0.51	ppbv	#	58
9) Propene	3.03	41	8873	0.13	ppbv	#	10
10) Heptane	8.13	43	5844	0.04	ppbv	#	1
11) Trichlorofluoromethane	3.96	101	121166	0.64	ppbv		95
13) Ethanol	3.61	45	61619	15.72	ppbv	#	23
15) Acetone	3.85	43	457532	3.28	ppbv	#	87
16) 1,3-Butadiene	3.31	39	79133	1.09	ppbv	#	14
17) tert-Butyl alcohol	4.30	59	16442	0.14	ppbv	#	71
19) Isopropyl Alcohol	3.97	45	12627	0.17	ppbv	#	88
20) Methylene Chloride	4.35	84	413971	7.45	ppbv		97
23) Vinyl Acetate	5.08	43	4196	0.05	ppbv	#	85
25) Ethyl Acetate	5.69	43	492308	1.72	ppbv	#	78
26) Hexane	5.69	57	671729	5.83	ppbv	#	39
27) Carbon Disulfide	4.56	76	59034	0.42	ppbv		96
29) Chloroform	5.75	83	14032	0.07	ppbv		100
34) 2-Butanone	5.25	43	43883	0.26	ppbv		92
39) 1,2-Dichloropropane	7.18	63	800382	8.36	ppbv	#	25
41) Tetrahydrofuran	5.76	42	3128	0.03	ppbv	#	39
52) Tetrachloroethene	11.23	164	35598	0.35	ppbv		92
53) Toluene	9.81	91	107551	0.36	ppbv		97
58) Ethyl Benzene	12.70	91	15476	0.04	ppbv		90
59) m/p-Xylene	12.97	91	137028	0.41	ppbv		93
60) o-Xylene	13.69	91	41186	0.13	ppbv	#	31
73) 1,3,5-Trimethylbenzene	16.00	105	37708	0.11	ppbv	#	75
74) 1,2,4-Trimethylbenzene	16.76	105	118036	0.31	ppbv	#	72

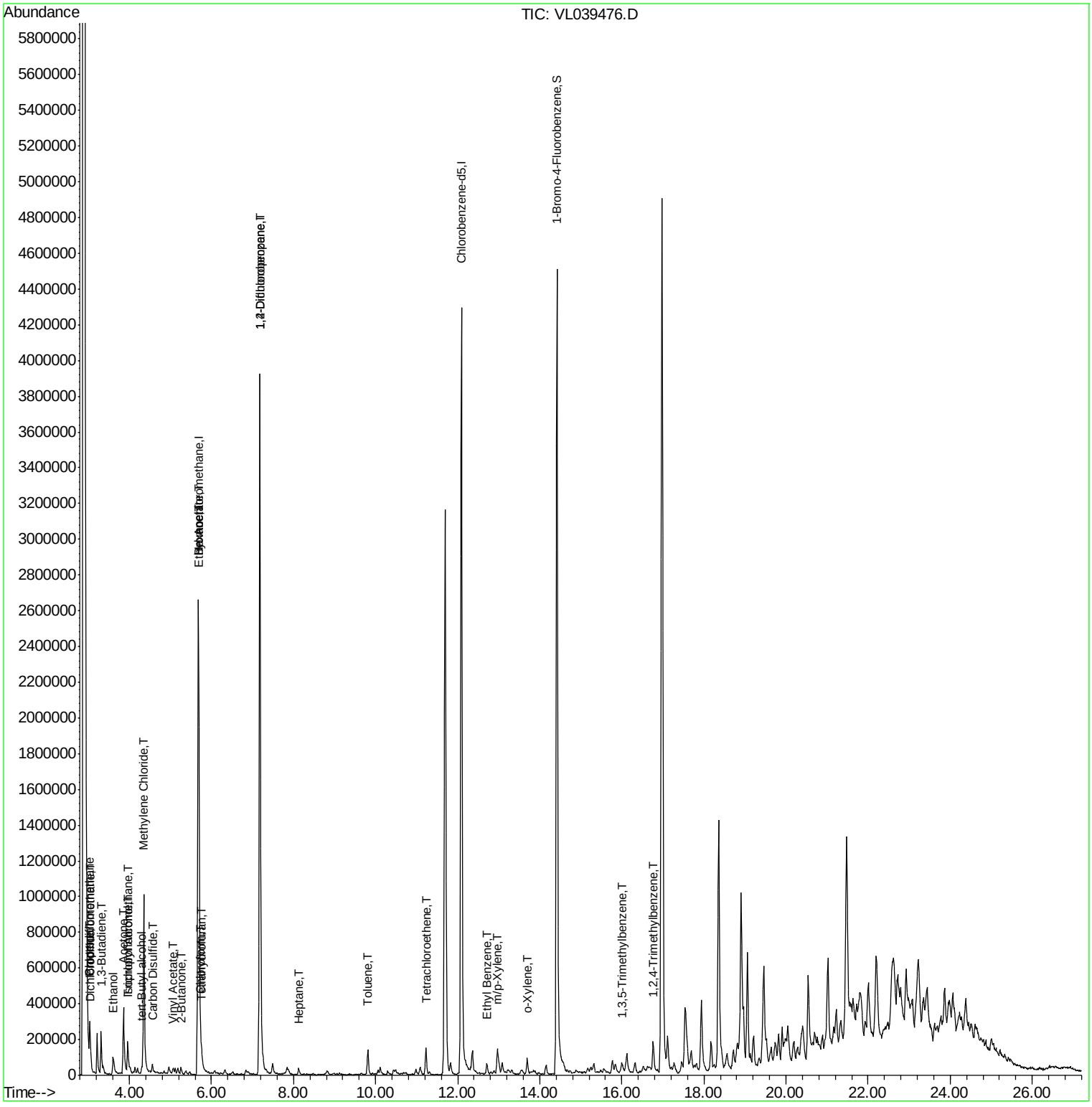
(#) = qualifier out of range (m) = manual integration (+) = signals summed

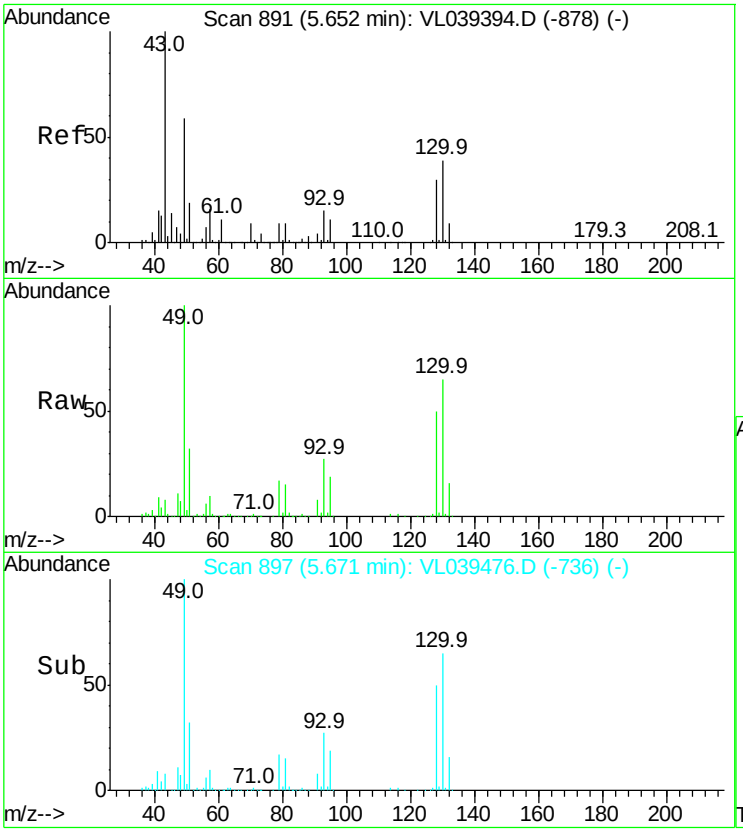
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071322\
Data File : VL039476.D
Acq On : 13 Jul 2022 22:49
Operator : SY/AP
Sample : N3660-06DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Quant Time: Jul 14 01:24:24 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



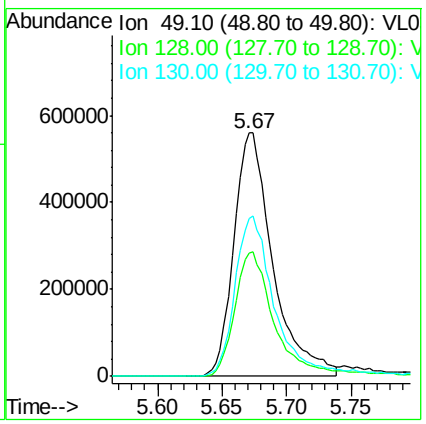


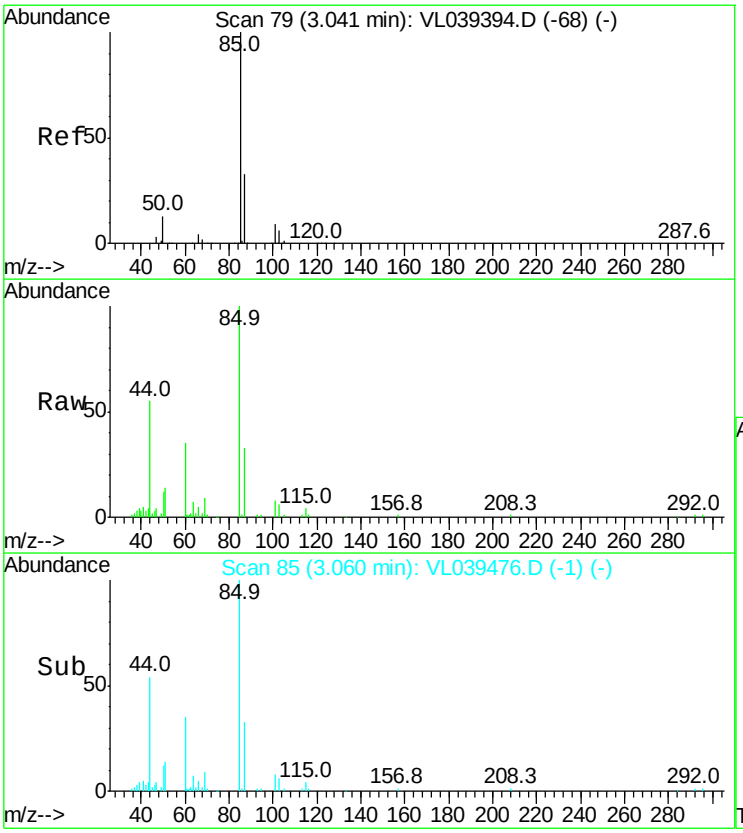
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.67
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 49 Resp: 1179140

Ion	Ratio	Lower	Upper
49	100		
128	53.3	26.7	80.0
130	69.2	34.3	102.8

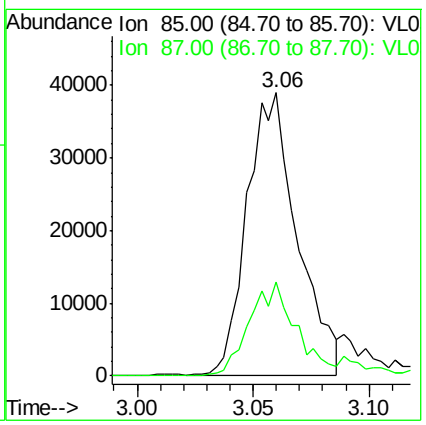


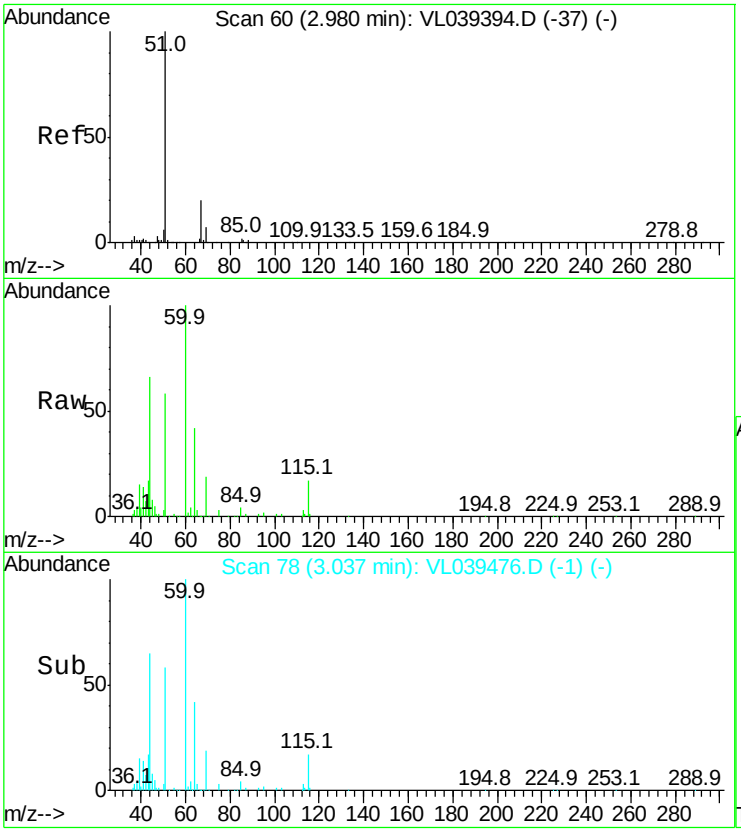


#2
Dichlorodifluoromethane
Concen: 0.35 ppbv
RT: 3.06 min Scan# 85
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 85 Resp: 59014

Ion	Ratio	Lower	Upper
85	100		
87	33.2	26.7	40.1



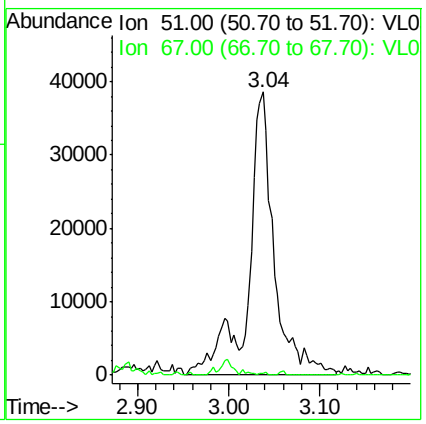


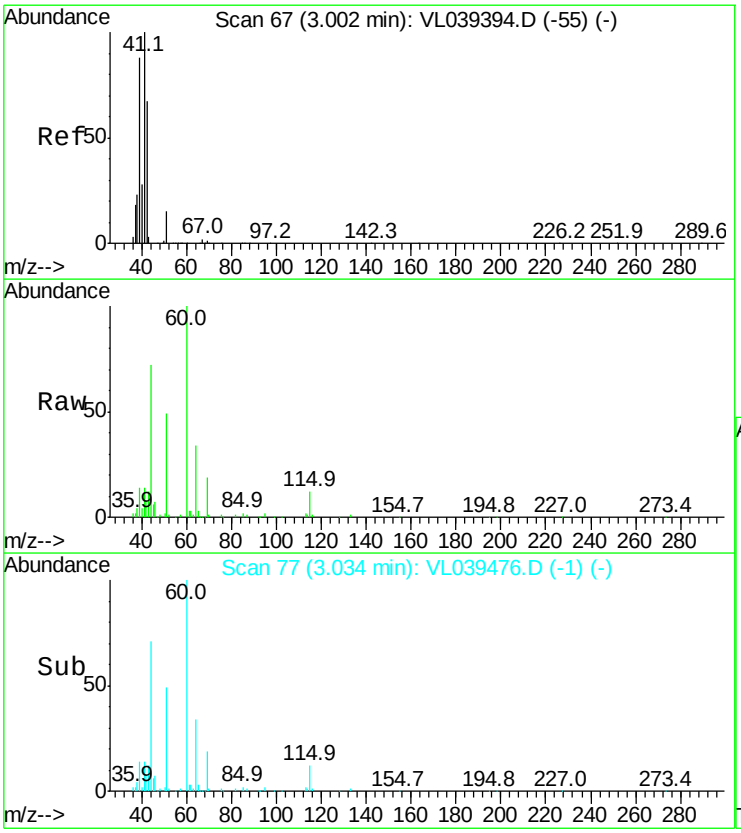
#3
Chlorodifluoromethane
Concen: 0.51 ppbv
RT: 3.04
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 51 Resp: 76100

Ion	Ratio	Lower	Upper
51	100		
67	0.2	15.7	23.5#

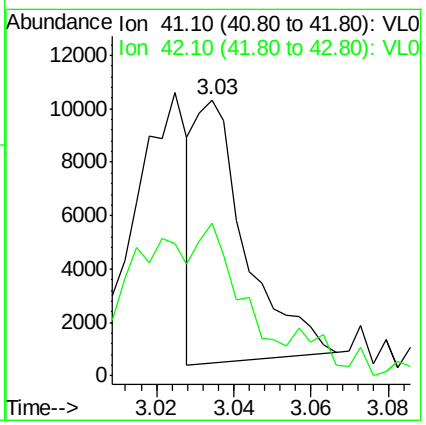


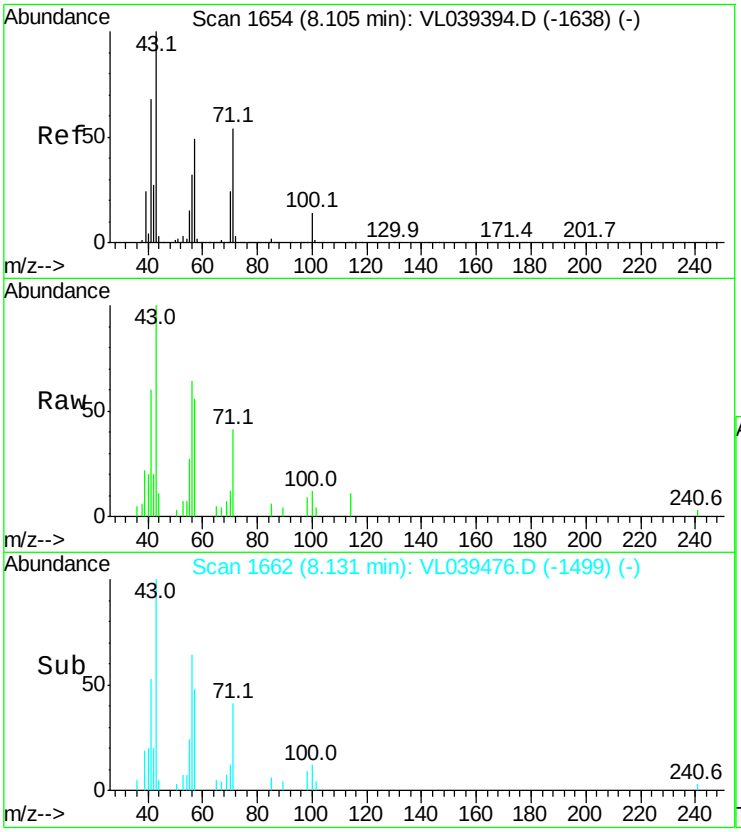


#9
Propene
Concen: 0.13 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 41 Resp: 8873

Ion	Ratio	Lower	Upper
41	100		
42	142.0	55.2	82.8#



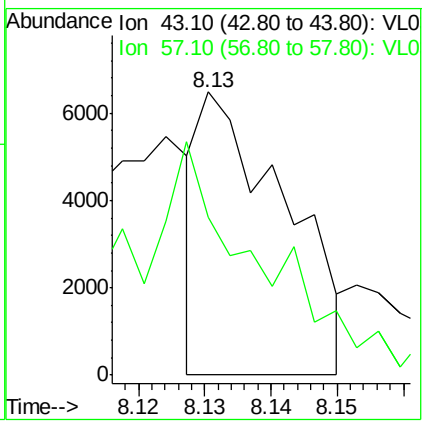


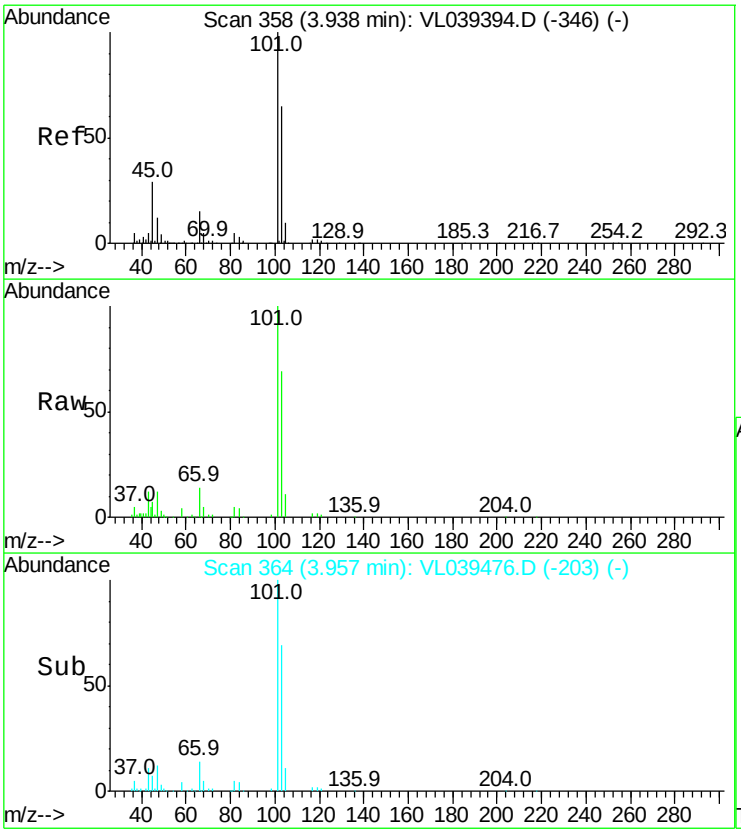
#10
Heptane
Concen: 0.04 ppbv
RT: 8.13
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 43 Resp: 5844

Ion	Ratio	Lower	Upper
43	100		
57	158.4	40.5	60.7#

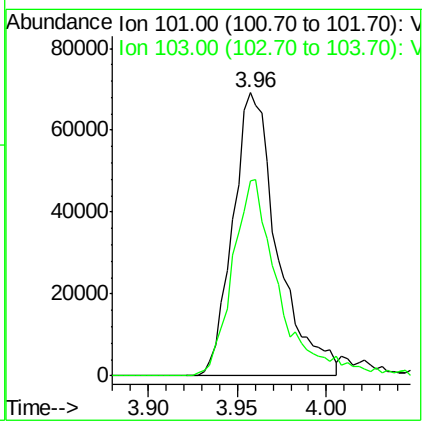


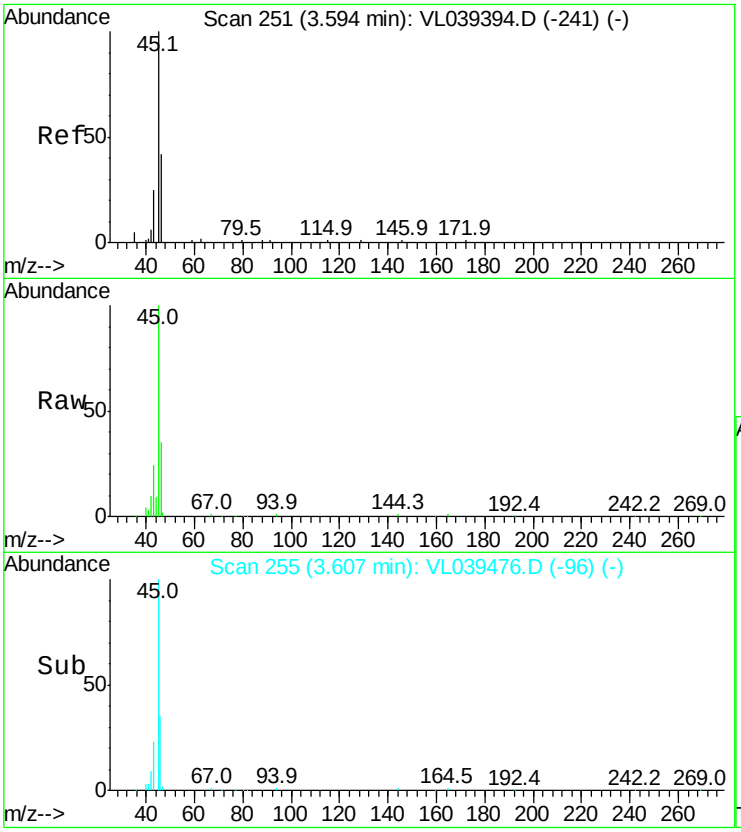


#11
Trichlorofluoromethane
Concen: 0.64 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:101 Resp: 121166

Ion	Ratio	Lower	Upper
101	100		
103	68.7	51.8	77.8



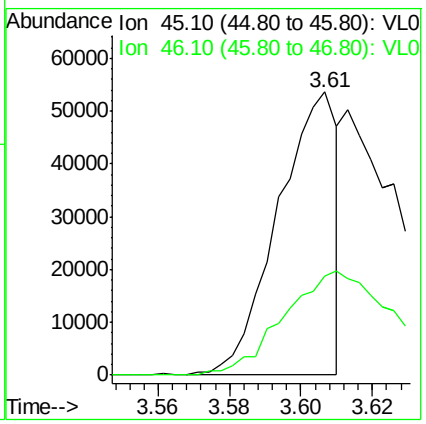


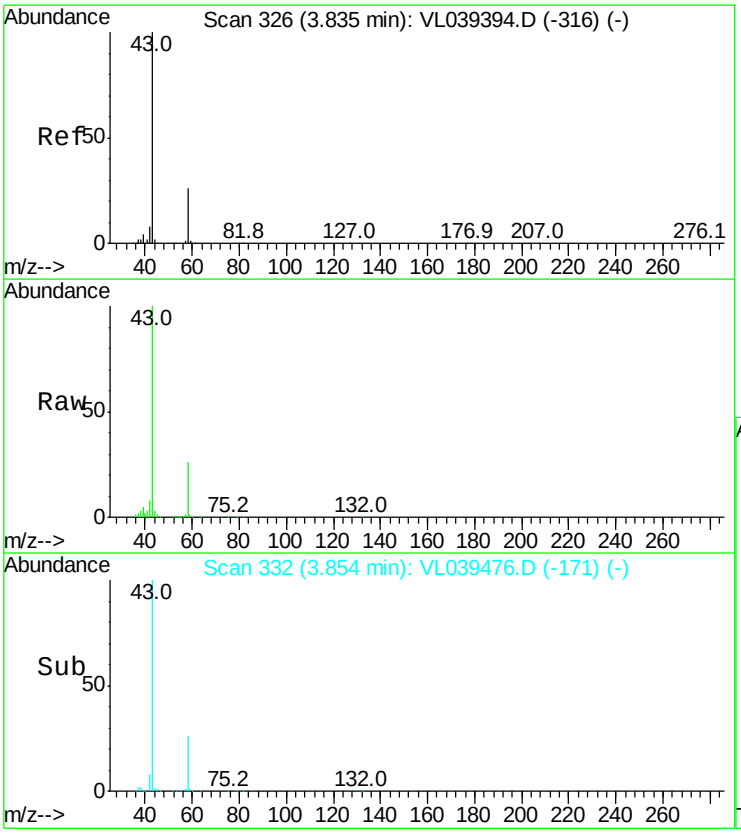
#13
Ethanol
Concen: 15.72 ppbv
RT: 3.61
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 45 Resp: 61619

Ion	Ratio	Lower	Upper
45	100		
46	0.0	22.8	91.2#

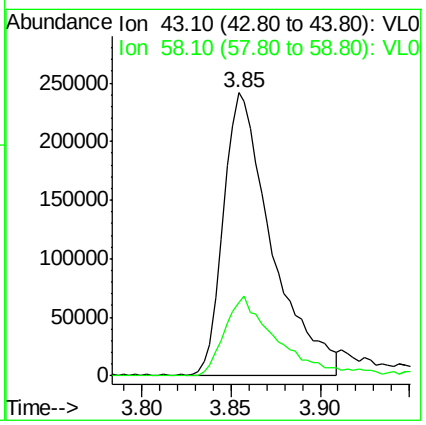


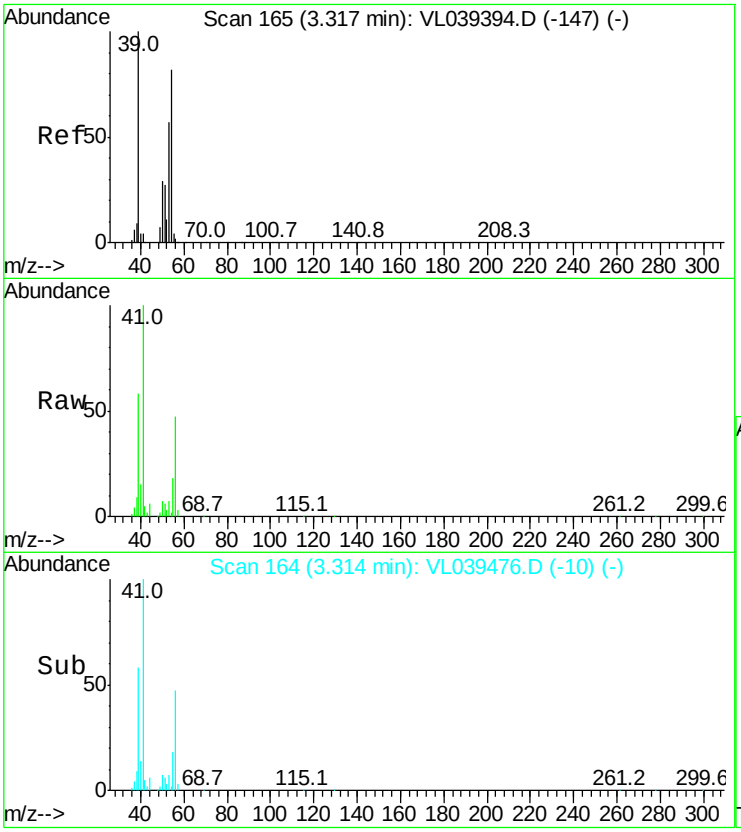


#15
Acetone
Concen: 3.28 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 43 Resp: 457532

Ion	Ratio	Lower	Upper
43	100		
58	32.9	21.0	31.6#



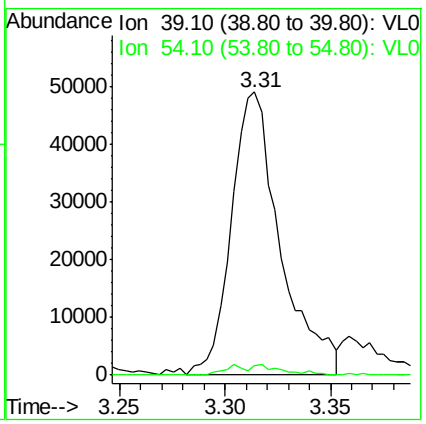


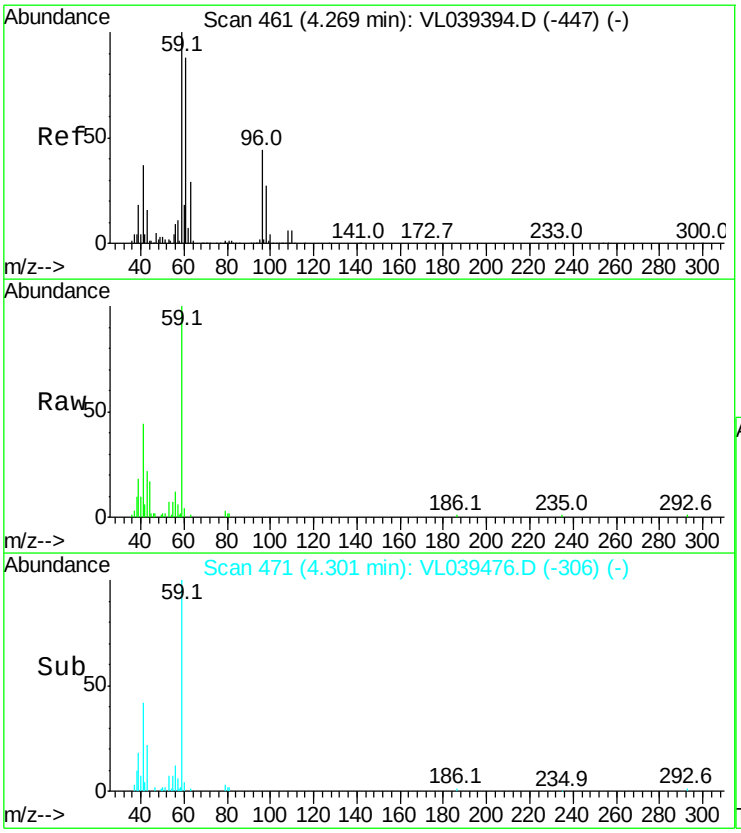
#16
1,3-Butadiene
Concen: 1.09 ppbv
RT: 3.31
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 39 Resp: 79133

Ion	Ratio	Lower	Upper
39	100		
54	4.0	63.7	95.5#

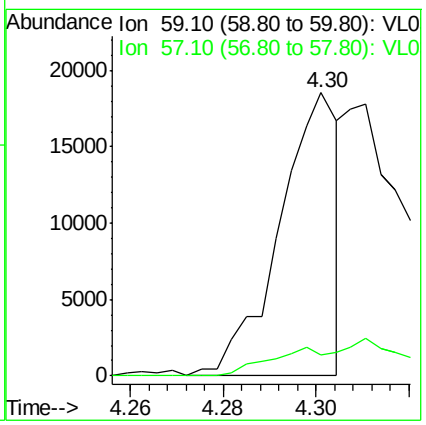


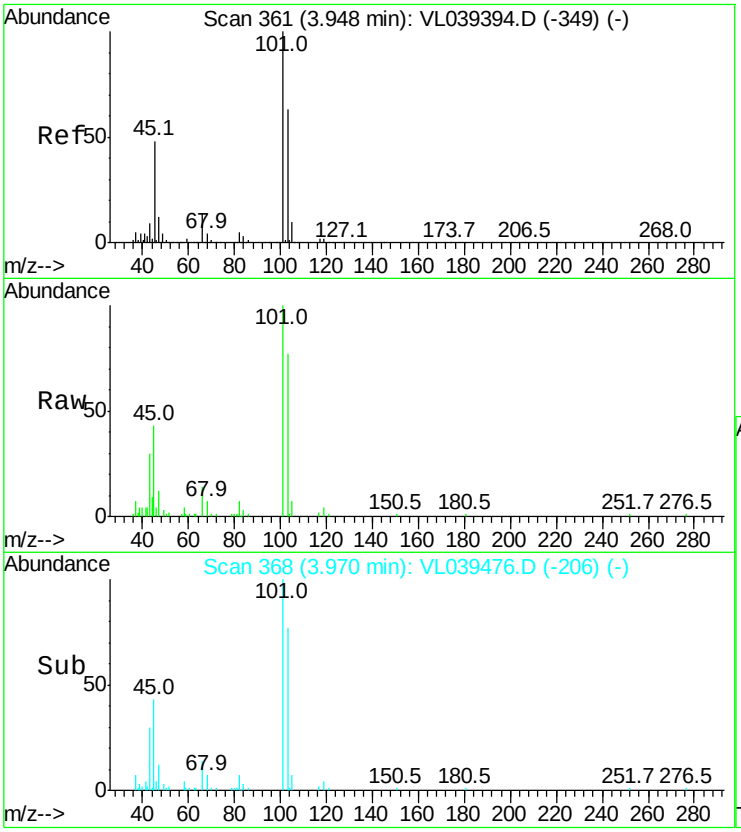


#17
tert-Butyl alcohol
Concen: 0.14 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 59 Resp: 16442

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#



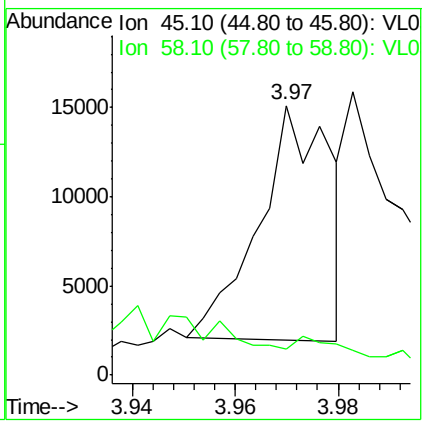


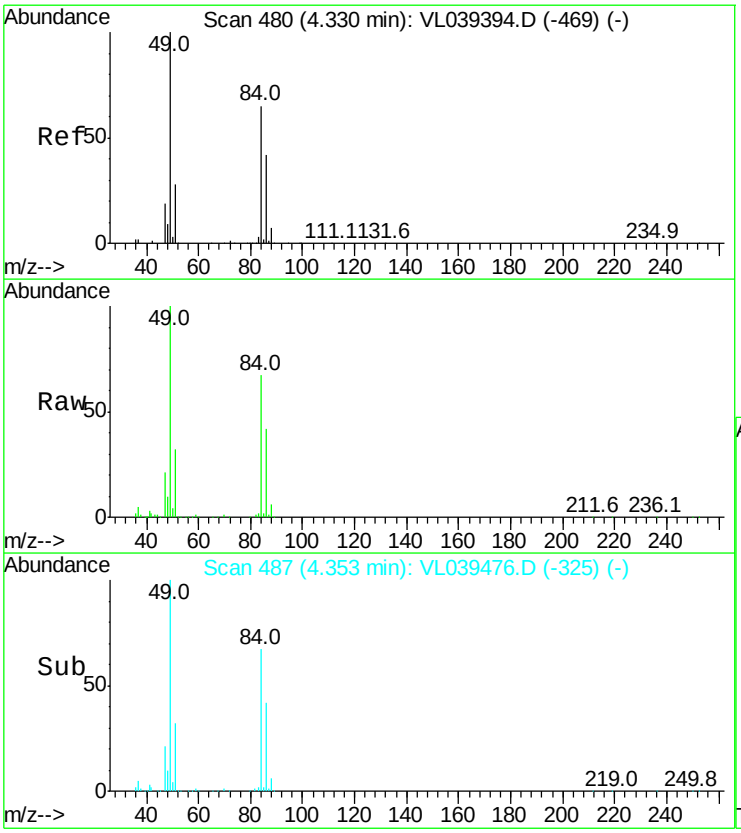
#19
Isopropyl Alcohol
Concen: 0.17 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 45 Resp: 12627

Ion	Ratio	Lower	Upper
45	100		
58	0.0	3.2	4.8#

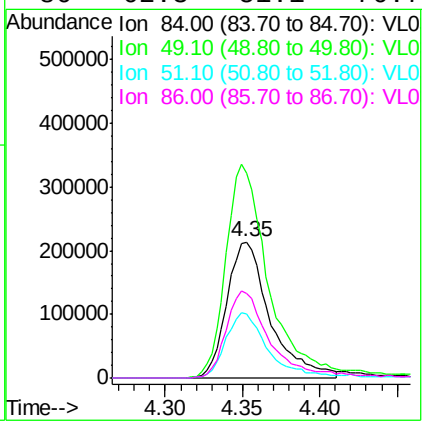


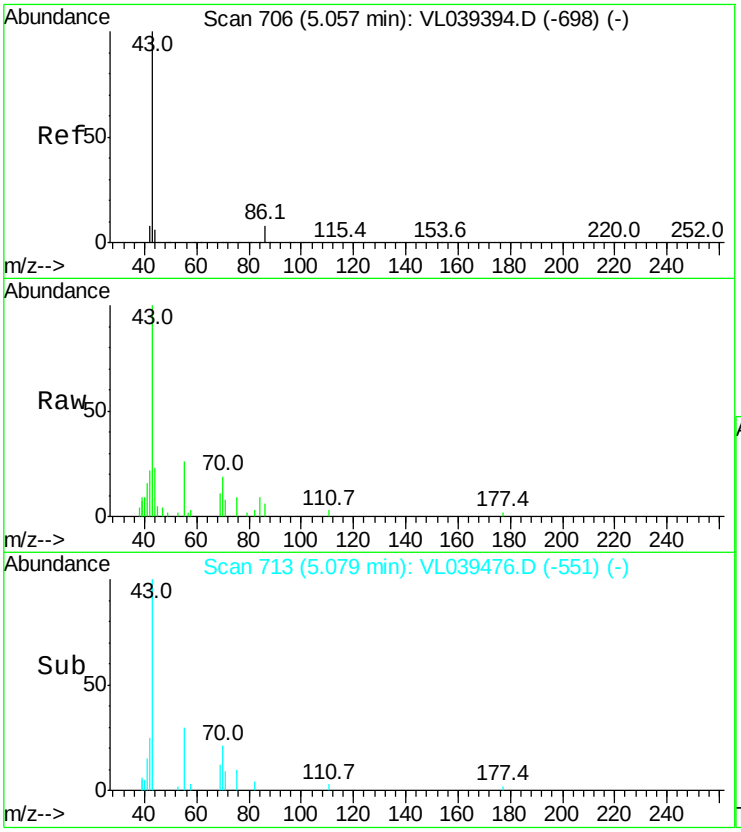


#20
Methylene Chloride
Concen: 7.45 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 84 Resp: 413971

Ion	Ratio	Lower	Upper
84	100		
49	150.0	123.1	184.7
51	47.3	34.4	51.6
86	62.3	51.1	76.7



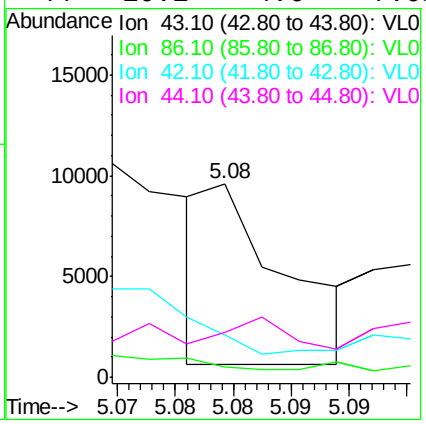


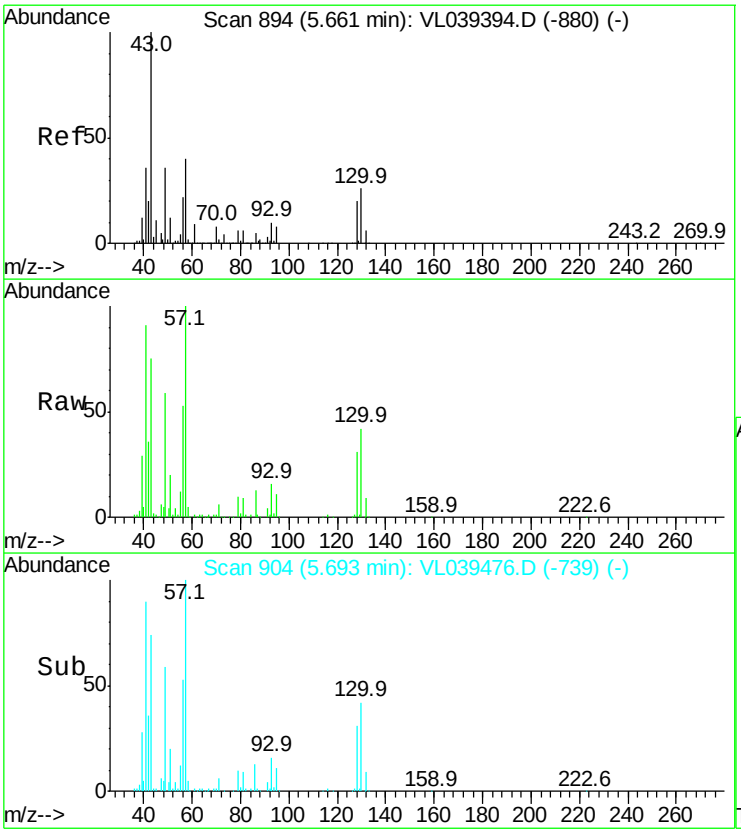
#23
Vinyl Acetate
Concen: 0.05 ppbv
RT: 5.08
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 43 Resp: 4196

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.6#
42	14.6	7.7	11.5#
44	10.1	4.6	7.0#

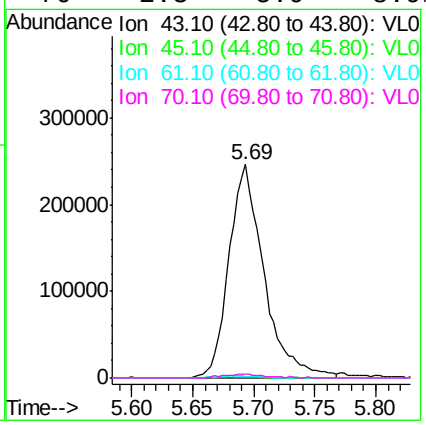


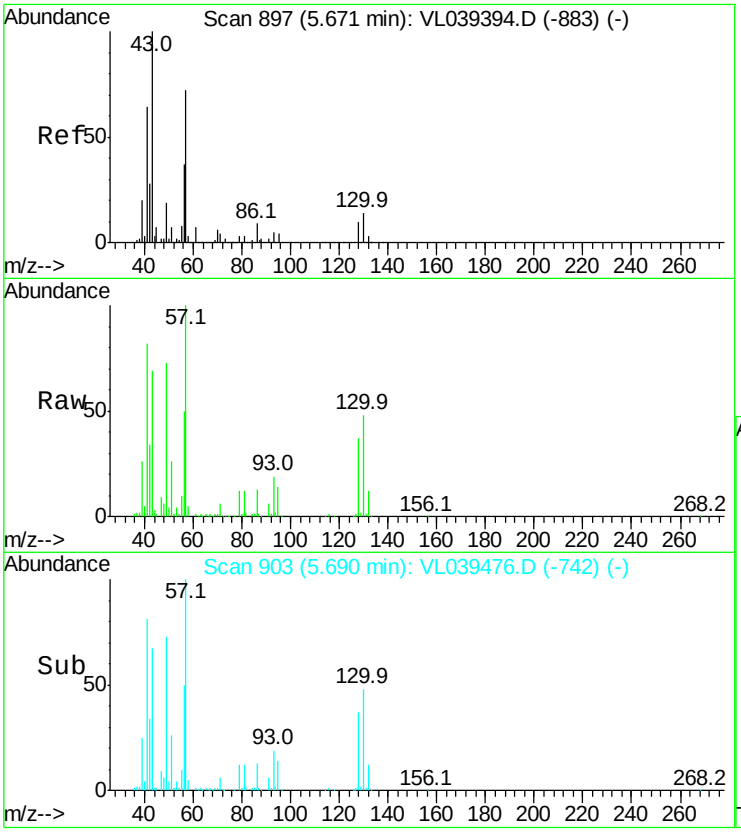


#25
Ethyl Acetate
Concen: 1.72 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 43 Resp: 492308

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.4#
61	1.2	8.3	12.5#
70	2.3	5.9	8.9#



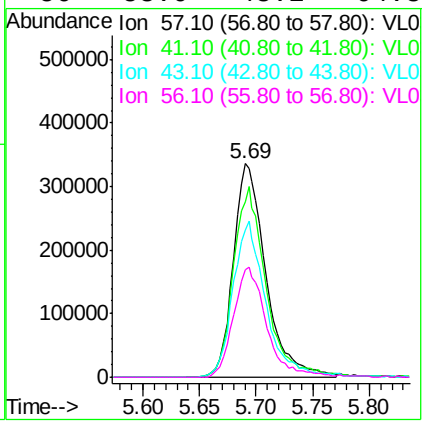


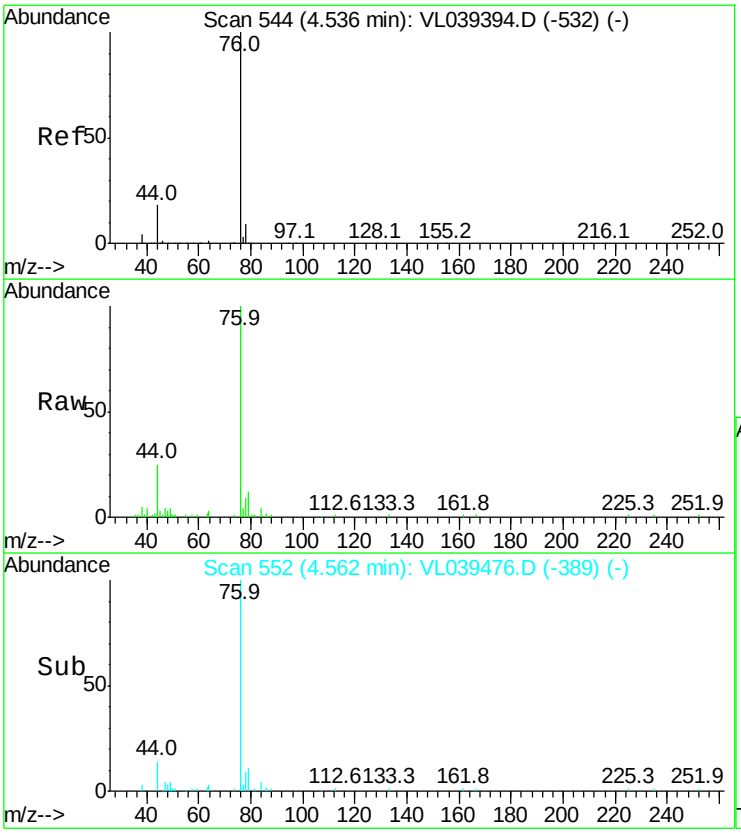
#26
Hexane
Concen: 5.83 ppbv
RT: 5.69
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 57 Resp: 671729

Ion	Ratio	Lower	Upper
57	100		
41	90.2	76.9	115.3
43	74.8	191.0	286.6#
56	53.0	43.2	64.8

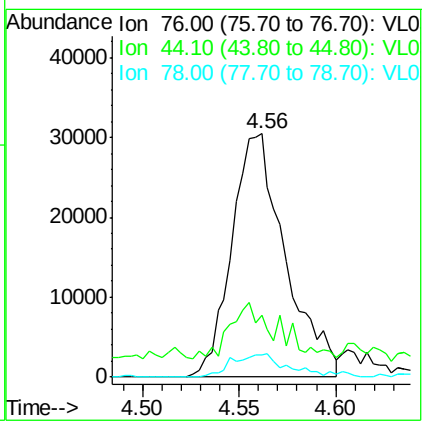


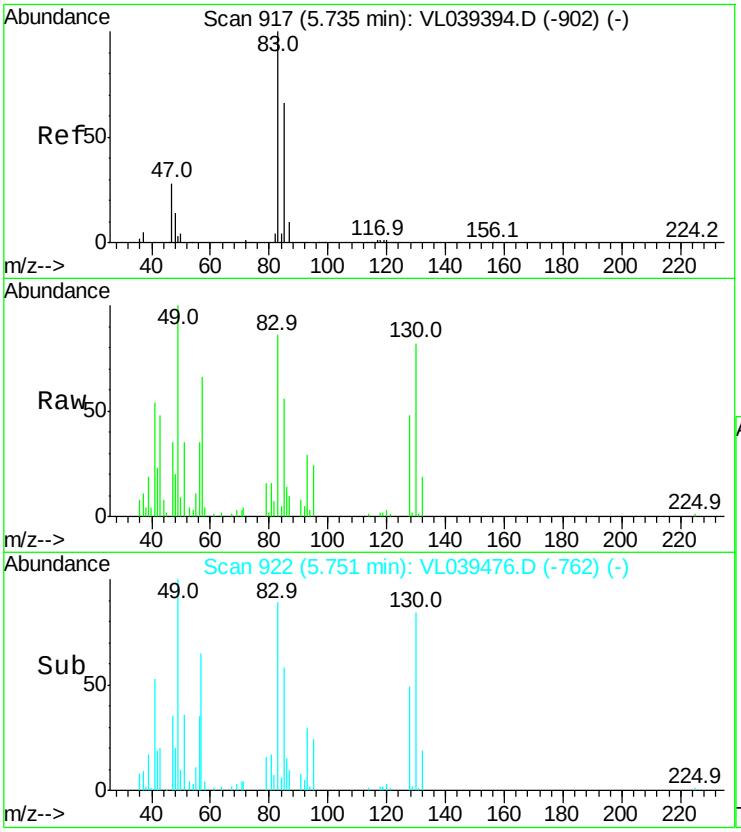


#27
Carbon Disulfide
Concen: 0.42 ppbv
RT: 4.56 min Scan# 552
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 76 Resp: 59034

Ion	Ratio	Lower	Upper
76	100		
44	20.2	14.6	21.8
78	10.4	7.8	11.6



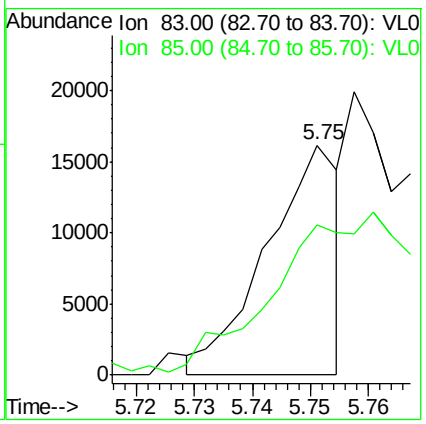


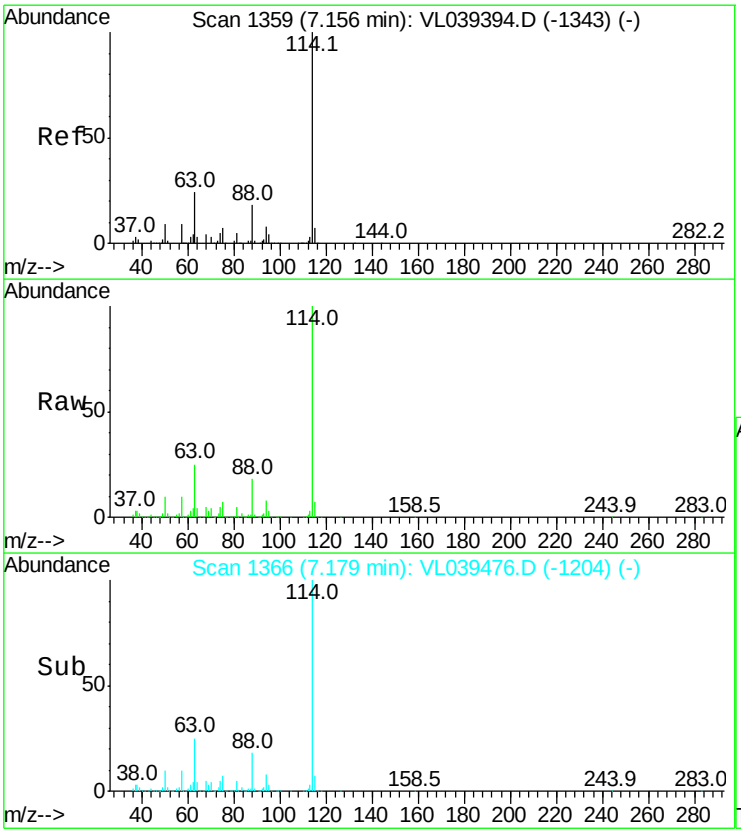
#29
Chloroform
Concen: 0.07 ppbv
RT: 5.75
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 83 Resp: 14032

Ion	Ratio	Lower	Upper
83	100		
85	66.3	52.8	79.2

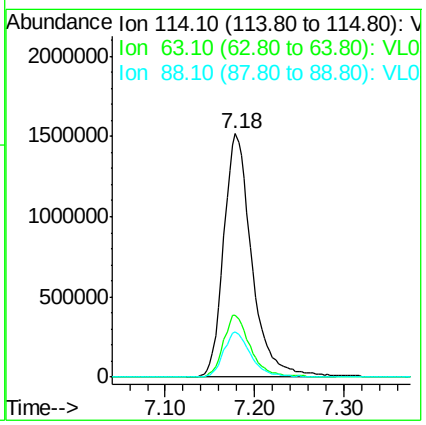


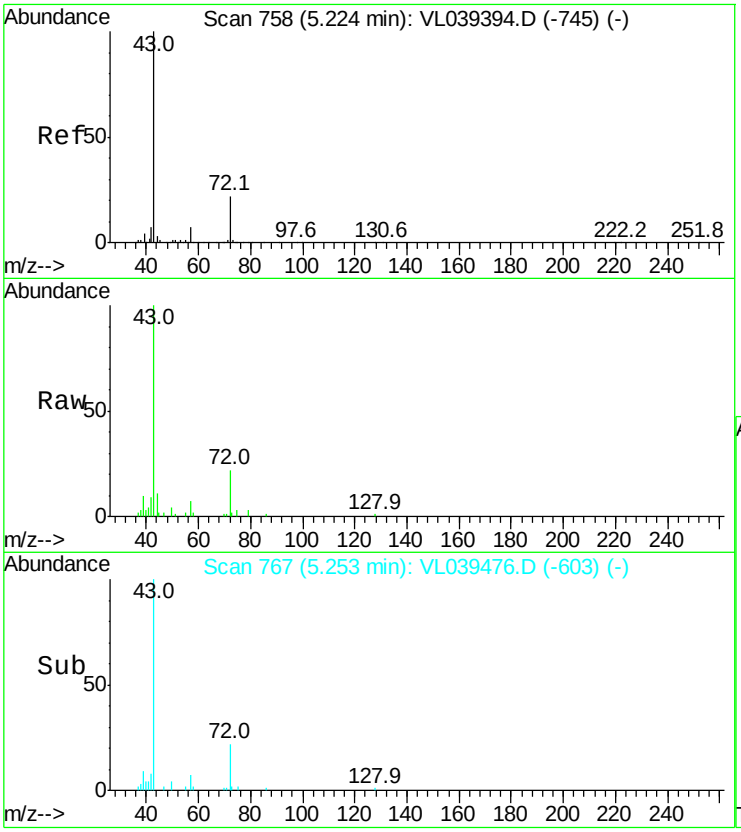


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:114 Resp: 3310874

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.2	30.4
88	18.2	14.5	21.7



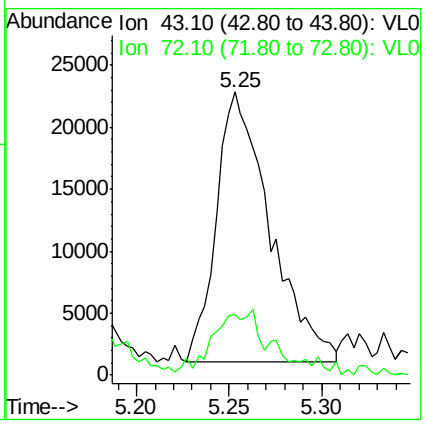


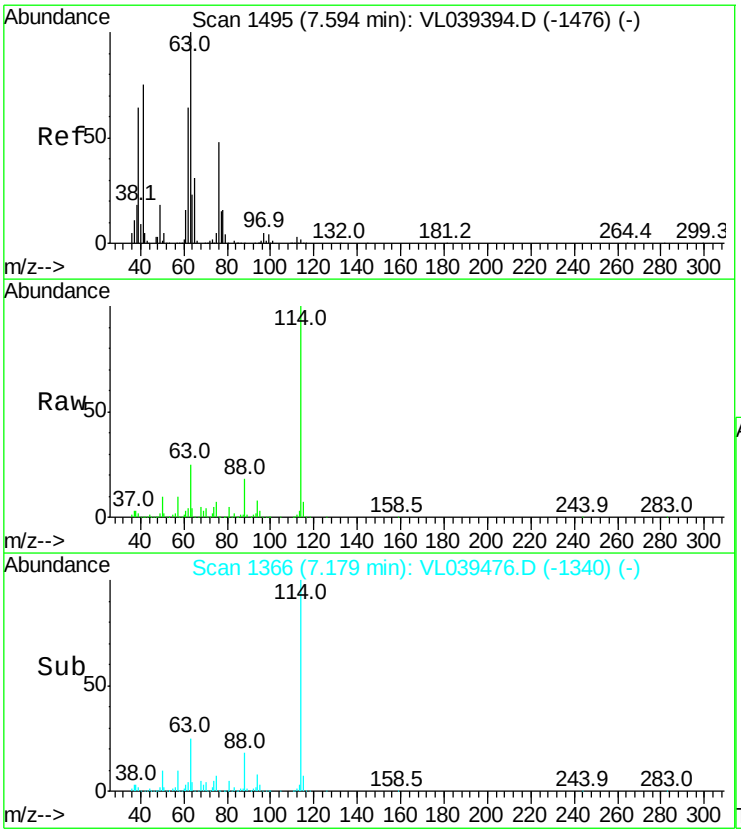
#34
2-Butanone
Concen: 0.26 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 43 Resp: 43883

Ion	Ratio	Lower	Upper
43	100		
72	26.2	17.9	26.9

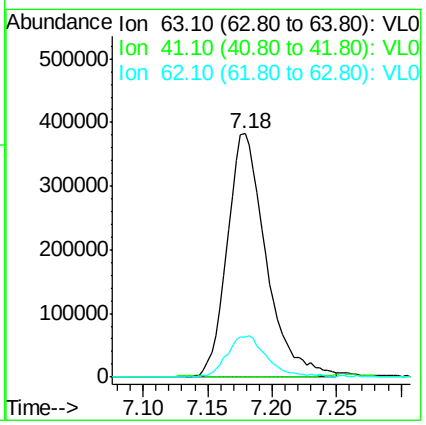


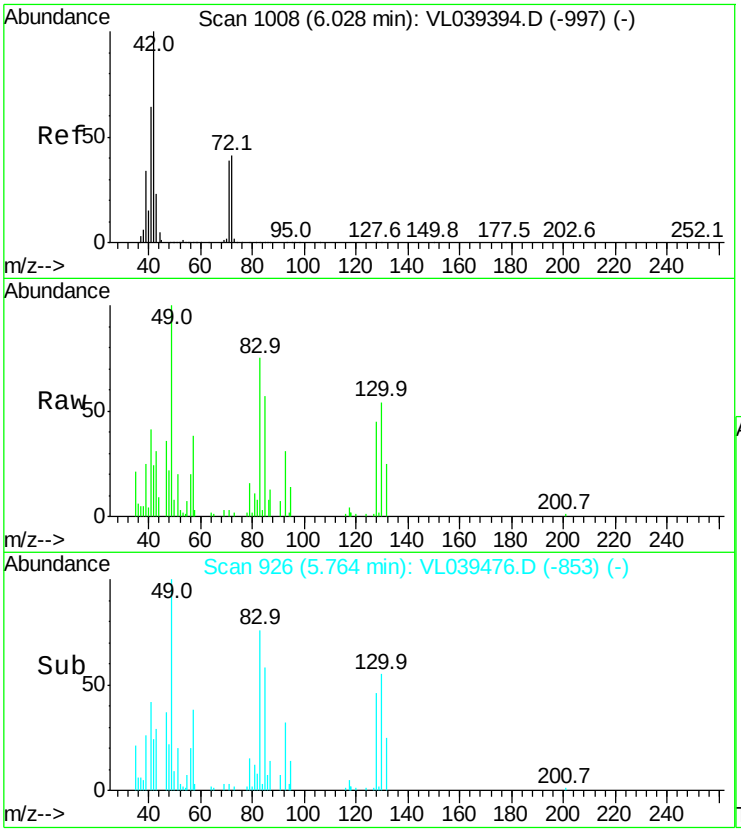


#39
1,2-Dichloropropane
Concen: 8.36 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.41 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 63 Resp: 800382

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.6	51.4	77.0#



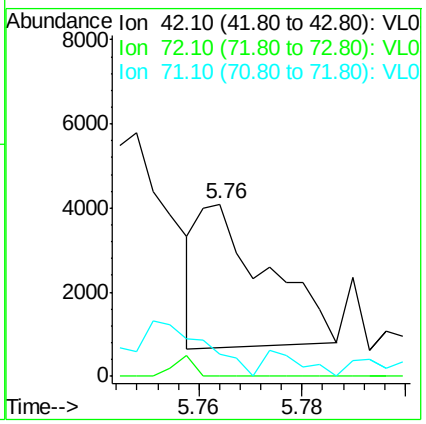


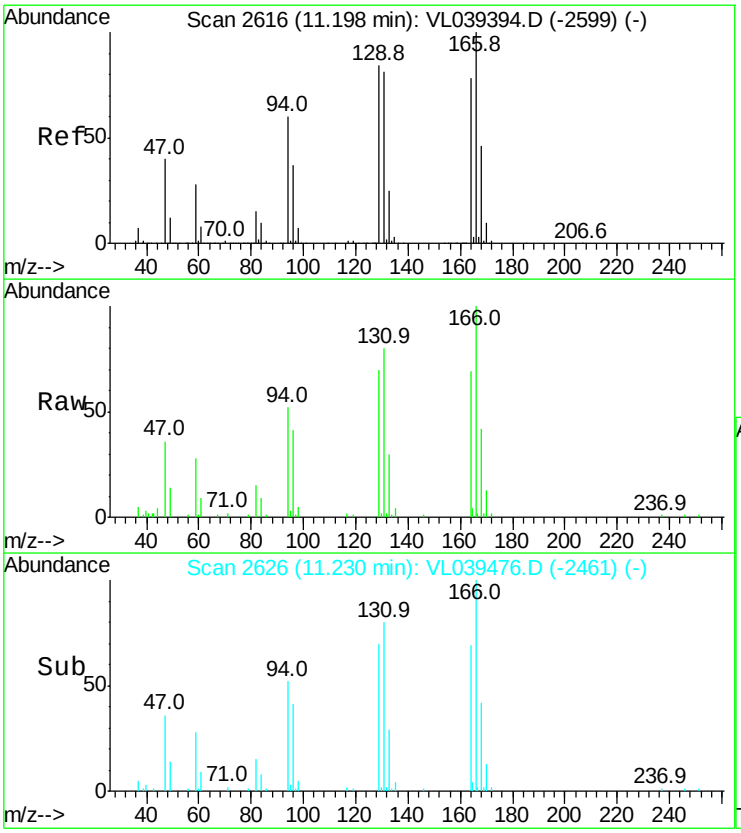
#41
Tetrahydrofuran
Concen: 0.03 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 42 Resp: 3128

Ion	Ratio	Lower	Upper
42	100		
72	4.4	31.8	47.8#
71	0.0	31.8	47.8#

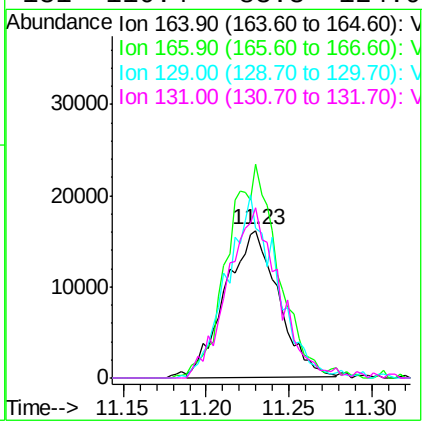


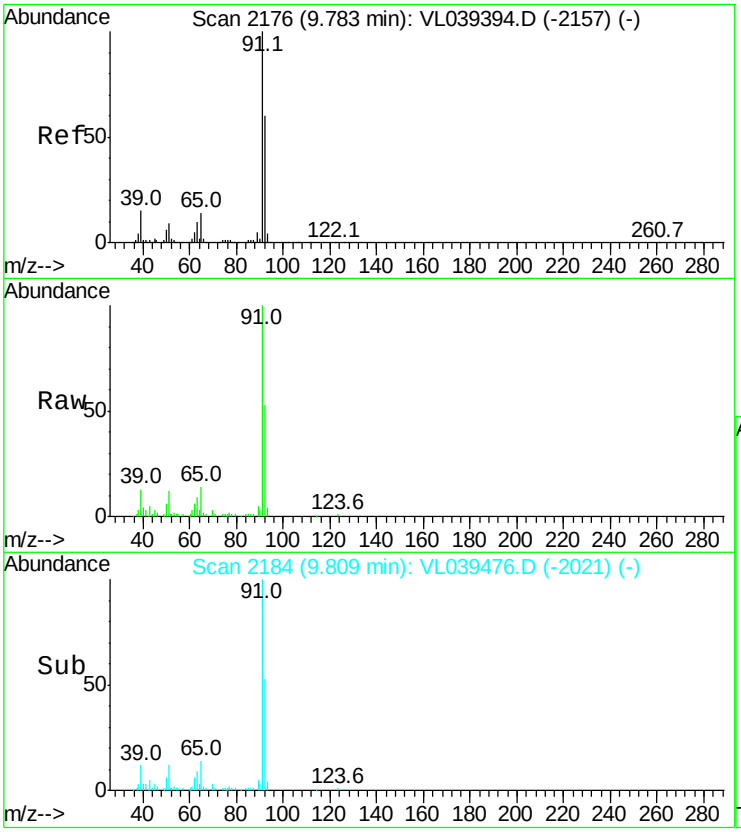


#52
Tetrachloroethene
Concen: 0.35 ppbv
RT: 11.23 min Scan# 2626
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:164 Resp: 35598

Ion	Ratio	Lower	Upper
164	100		
166	136.0	102.2	153.2
129	95.9	85.8	128.8
131	110.4	83.3	124.9



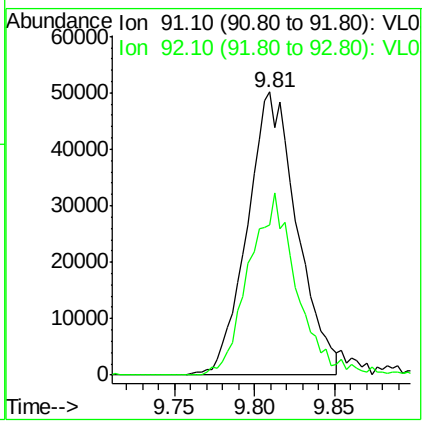


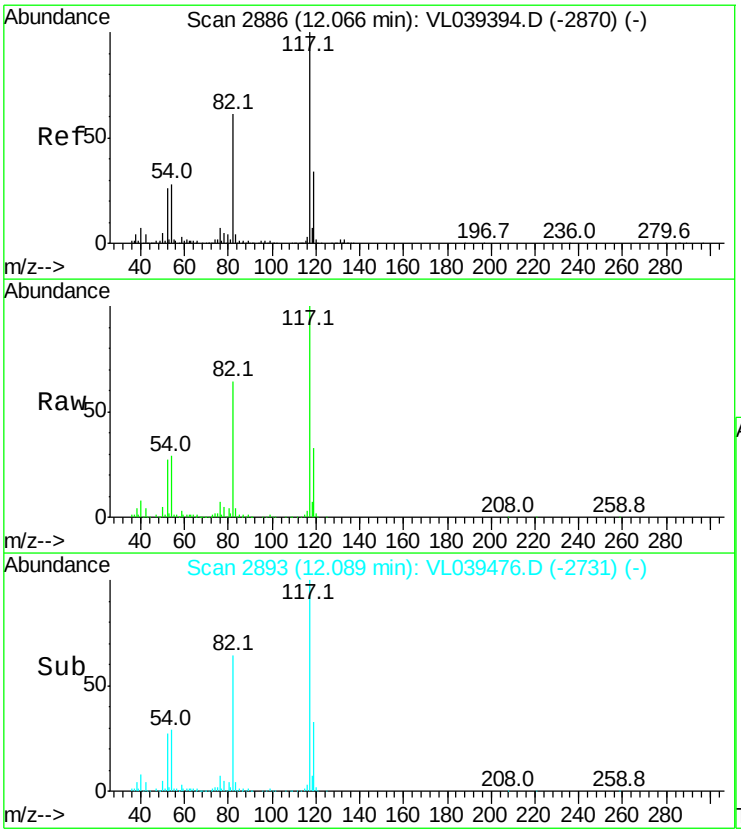
#53
Toluene
Concen: 0.36 ppbv
RT: 9.81
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 107551

Ion	Ratio	Lower	Upper
91	100		
92	62.1	48.2	72.2

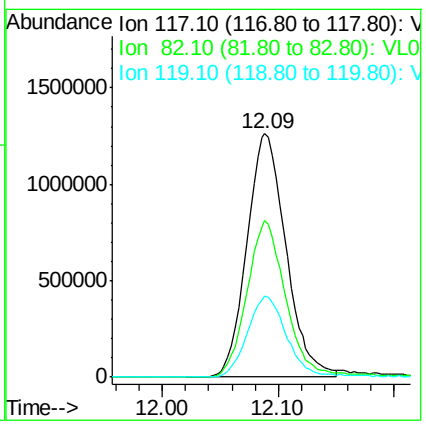


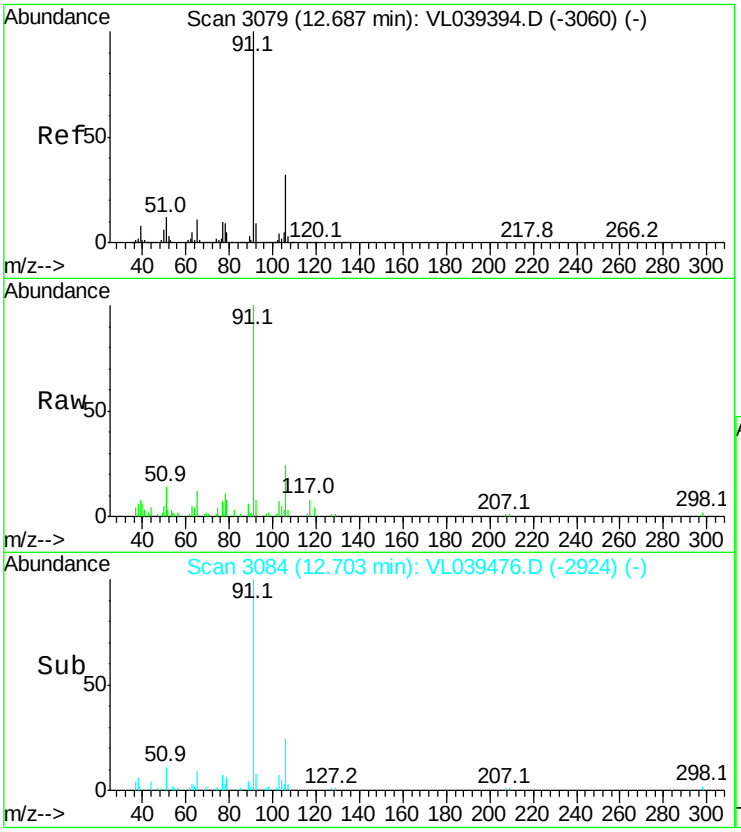


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:117 Resp: 2966747

Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.8	76.2
119	34.1	24.1	36.1



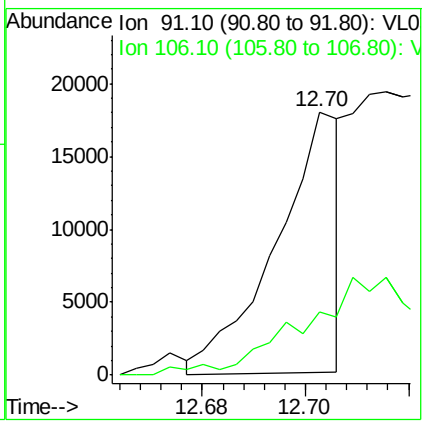


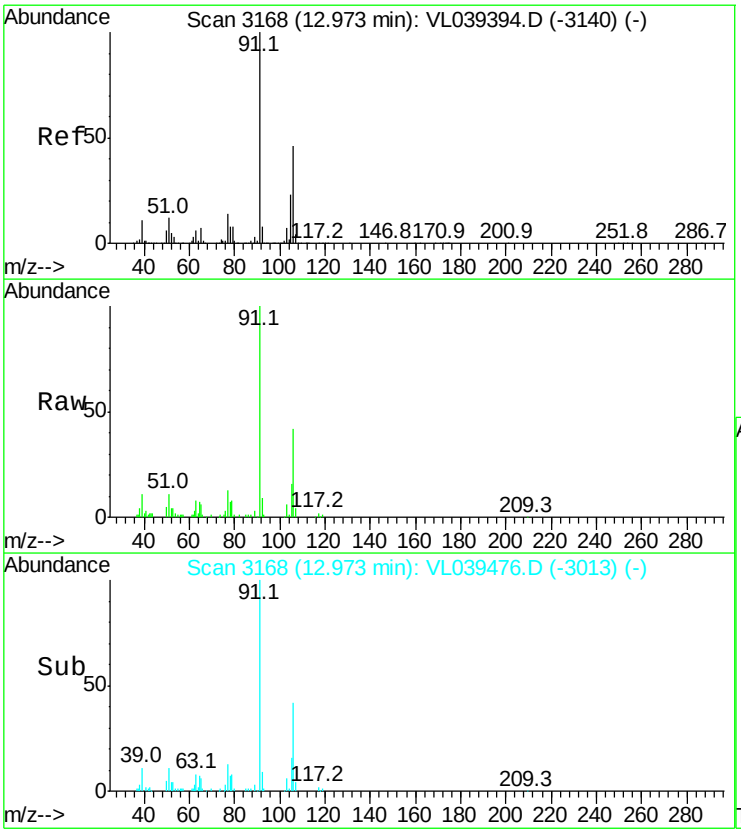
#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 12.70
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 15476

Ion	Ratio	Lower	Upper
91	100		
106	26.4	25.4	38.0

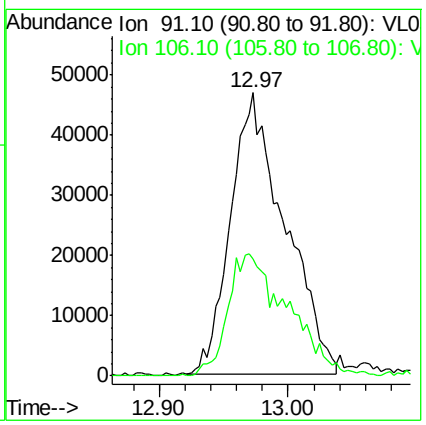


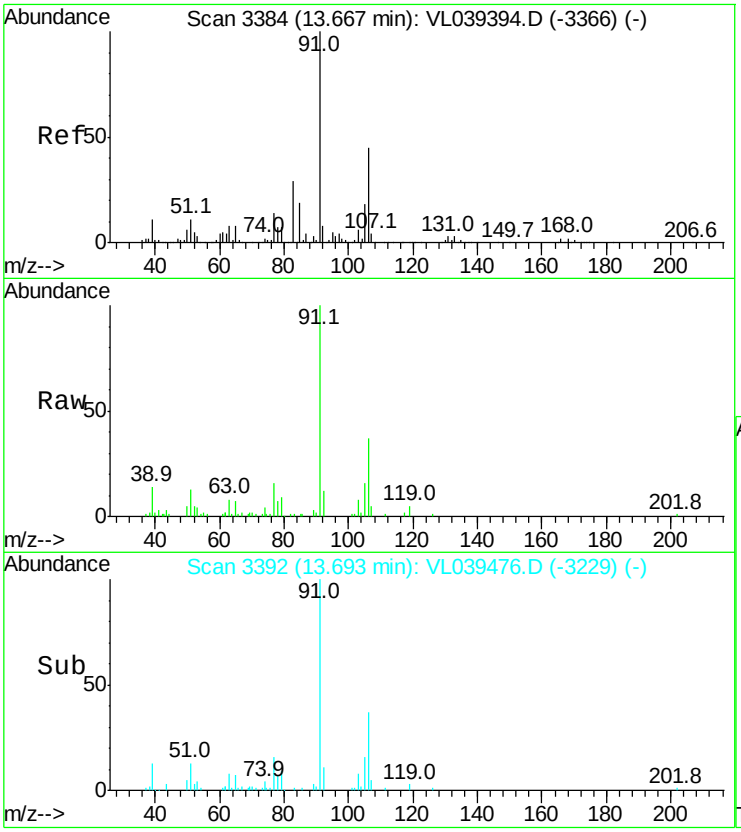


#59
m/p-Xylene
Concen: 0.41 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.00 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 91 Resp: 137028

Ion	Ratio	Lower	Upper
91	100		
106	48.8	35.4	53.2



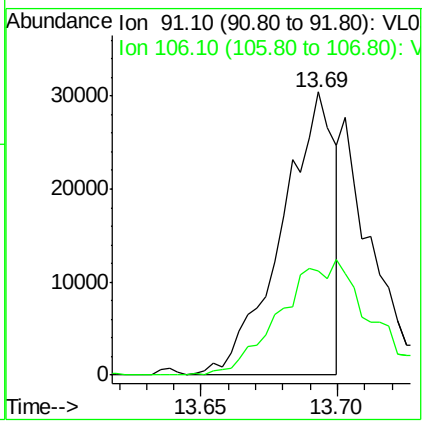


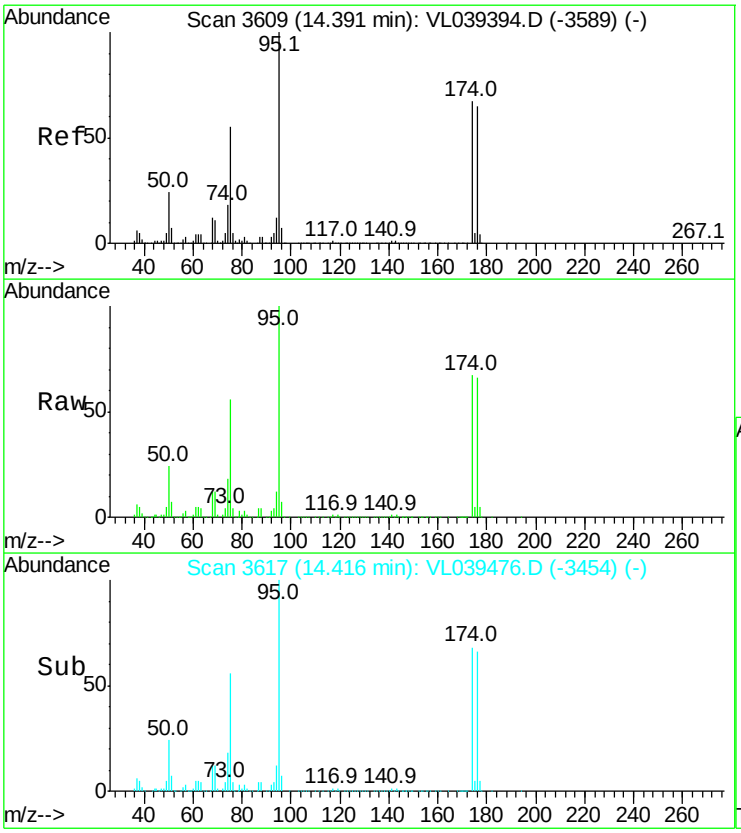
#60
o-Xylene
Concen: 0.13 ppbv
RT: 13.69
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 91 Resp: 41186

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.4	67.3#

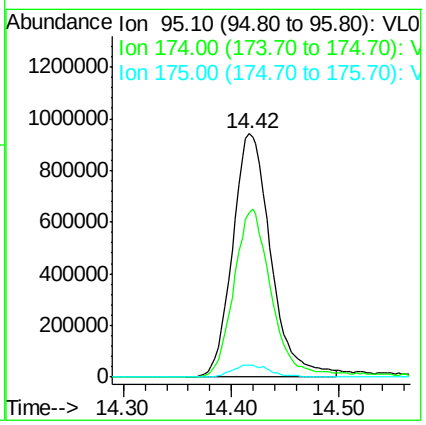


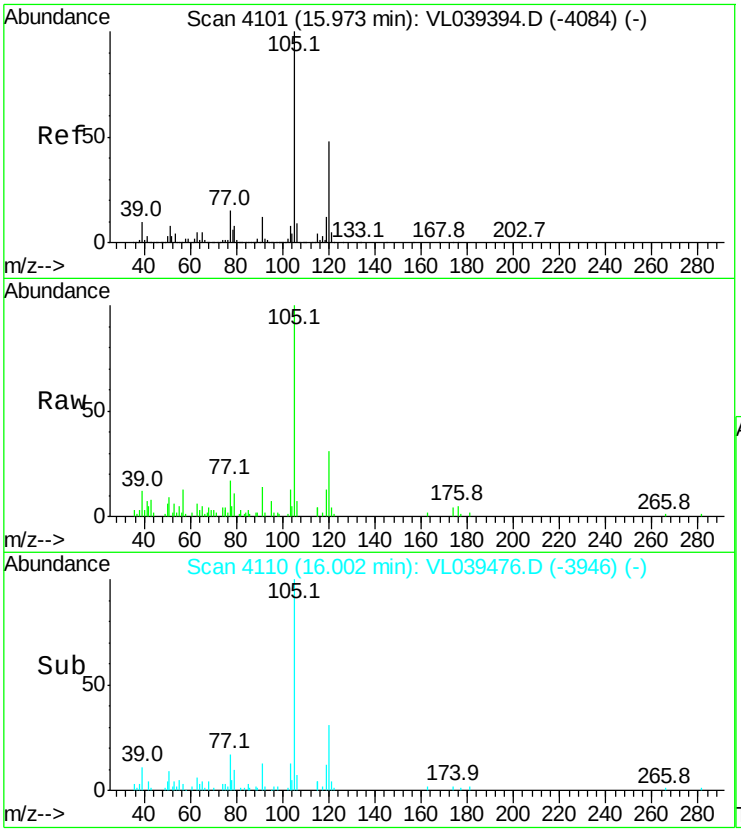


#68
1-Bromo-4-Fluorobenzene
Concen: 10.56 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.03 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion: 95 Resp: 2323670

Ion	Ratio	Lower	Upper
95	100		
174	70.3	55.9	83.9
175	5.2	4.2	6.4



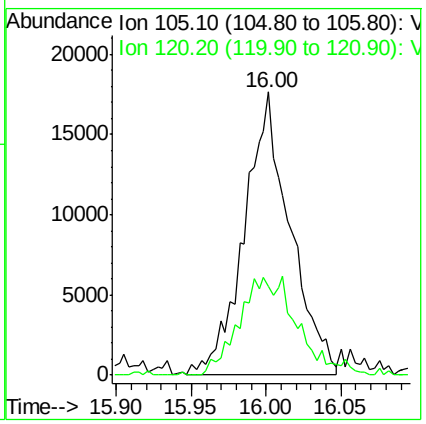


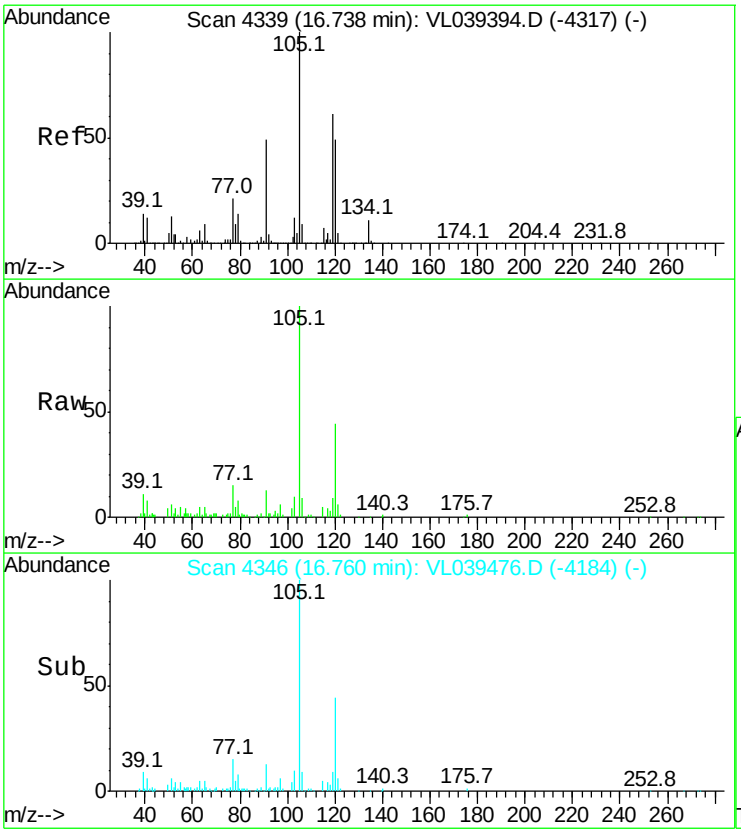
#73
1,3,5-Trimethylbenzene
Concen: 0.11 ppbv
RT: 16.00
Delta R.T
Lab File:
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion:105 Resp: 37708

Ion	Ratio	Lower	Upper
105	100		
120	31.3	38.2	57.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.31 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. 0.02 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:105 Resp: 118036

Ion	Ratio	Lower	Upper
105	100		
120	44.8	39.5	59.3
91	12.0	39.2	58.8#
77	14.0	17.2	25.8#