Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039466.D
Acq On : 13 Jul 2022 3:23
Operator : SY/AP
Sample : N3660-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-2DL

Quant Time: Jul 13 05:57:31 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	1420871	10.00	ppbv		0.03
33) 1,4-Difluorobenzene	7.19	114	3890706	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.10	117	3515691	10.00	ppbv		0.03
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.43	95	2674652	10.26	ppbv		0.04
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.06	85	28623	0.14	ppbv		91
3) Chlorodifluoromethane	2.98	51	56709	0.31	ppbv	#	63
9) Propene	3.37	41	4956	0.06	ppbv		86
10) Heptane	8.14	43	17888	0.09	ppbv	#	6
13) Ethanol	3.61	45	731102	154.79	ppbv		75
15) Acetone	3.86	43	321400	1.91	ppbv		94
17) tert-Butyl alcohol	3.97	59	67418	0.47	ppbv		97
19) Isopropyl Alcohol	3.97	45	1876114	20.92	ppbv	#	93
20) Methylene Chloride	4.36	84	288170	4.30	ppbv		97
21) Allyl Chloride	4.36	41	4504	0.04	ppbv	#	1
23) Vinyl Acetate	5.09	43	71570	0.64	ppbv		99
25) Ethyl Acetate	5.68	43	5416367	15.71	ppbv	#	91
26) Hexane	5.70	57	427393	3.08	ppbv	#	1
29) Chloroform	5.76	83	15442	0.06	ppbv		94
30) Cyclohexane	7.15	84	11606	0.09	ppbv	#	1
31) cis-1,2-Dichloroethene	5.68	61	690791	4.69	ppbv	#	23
34) 2-Butanone	5.09	43	71306	0.36	ppbv	#	65
36) Benzene	6.91	78	34127	0.11	ppbv	#	89
39) 1,2-Dichloropropane	7.19	63	950954	8.45	ppbv	#	24
41) Tetrahydrofuran	5.68	42	520831	4.59	ppbv	#	43
52) Tetrachloroethene	11.25	164	7726	0.06	ppbv	#	67
53) Toluene	9.82	91	238461	0.69	ppbv		99
58) Ethyl Benzene	12.72	91	129514	0.29	ppbv		93
59) m/p-Xylene	12.98	91	703770	1.76	ppbv		94
60) o-Xylene	13.70	91	351332	0.93	ppbv		99
72) 4-Ethyltoluene	15.85	105	26627	0.06	ppbv	#	44
73) 1,3,5-Trimethylbenzene	16.01	105	78777	0.19	ppbv		97
74) 1,2,4-Trimethylbenzene	16.77	105	253124	0.56	ppbv	#	70

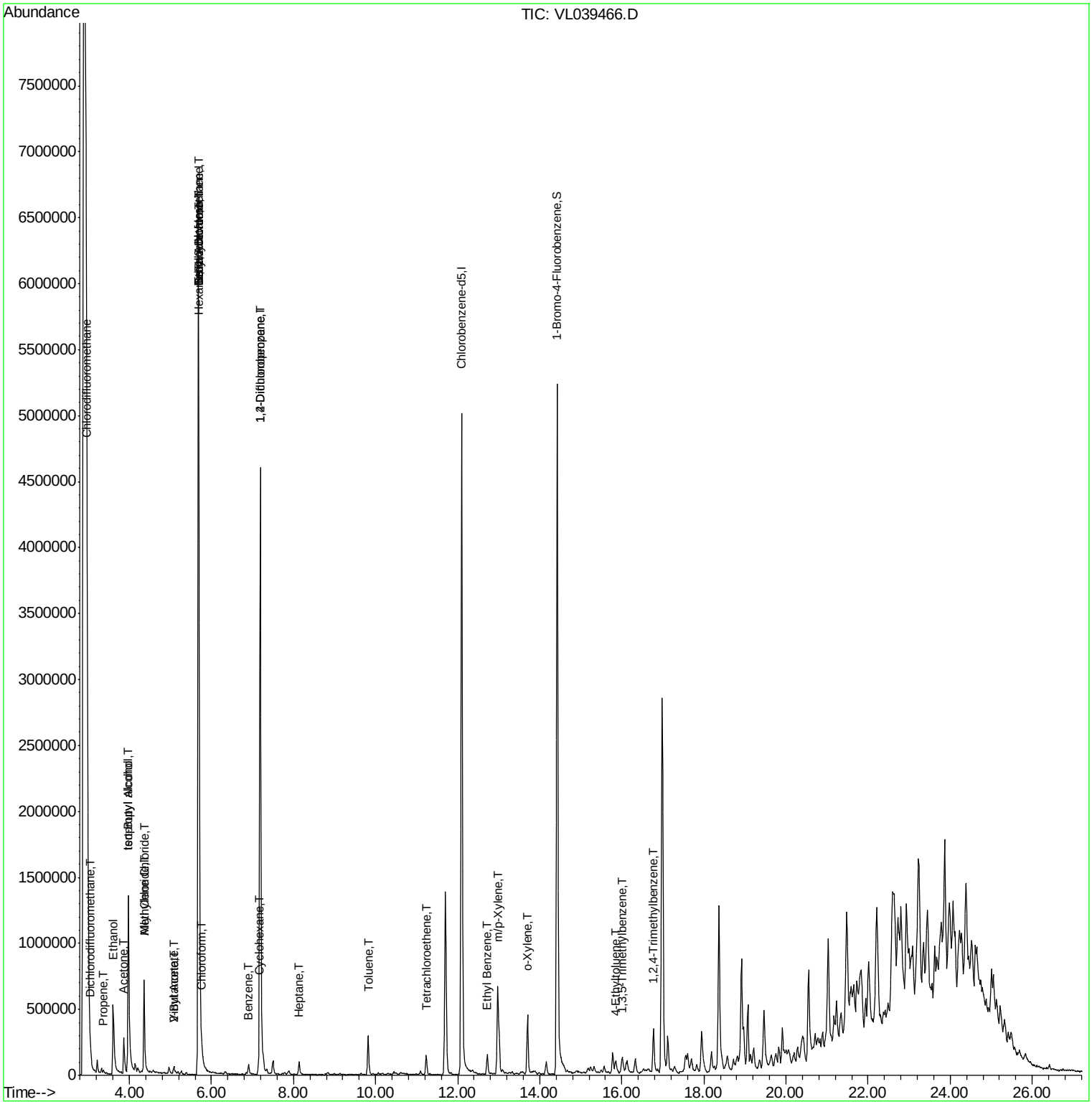
(#) = qualifier out of range (m) = manual integration (+) = signals summed

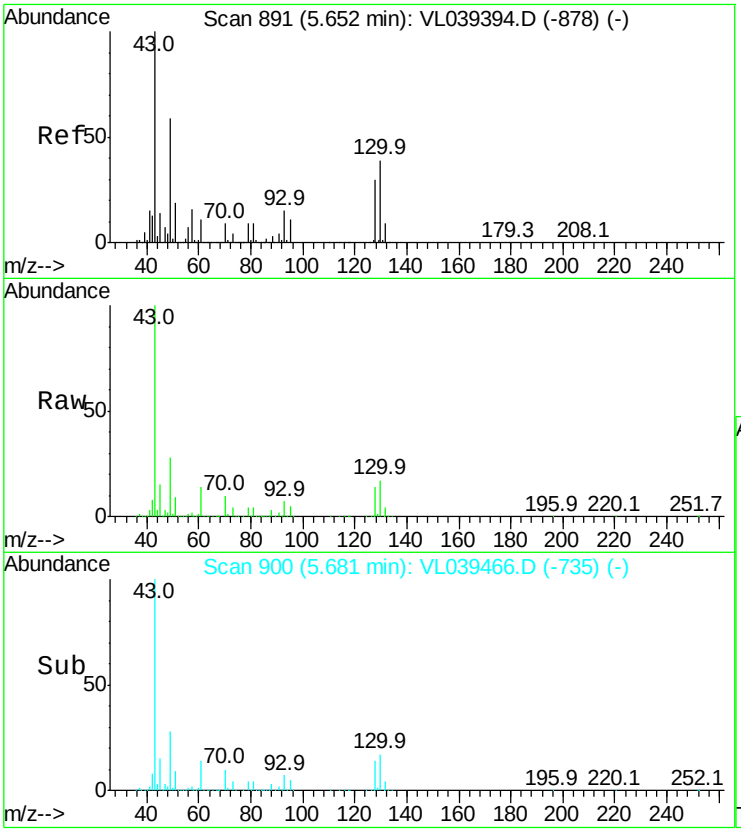
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
Data File : VL039466.D
Acq On : 13 Jul 2022 3:23
Operator : SY/AP
Sample : N3660-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Quant Time: Jul 13 05:57:31 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



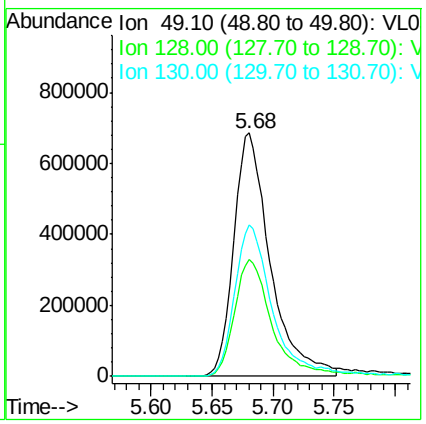


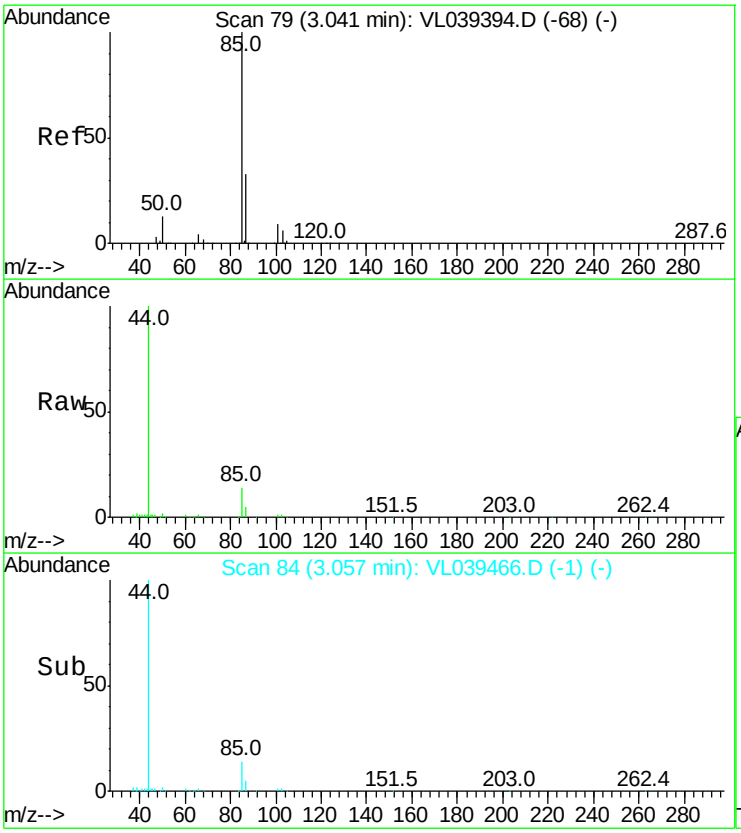
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 49 Resp: 1420871

Ion	Ratio	Lower	Upper
49	100		
128	49.9	26.7	80.0
130	65.3	34.3	102.8

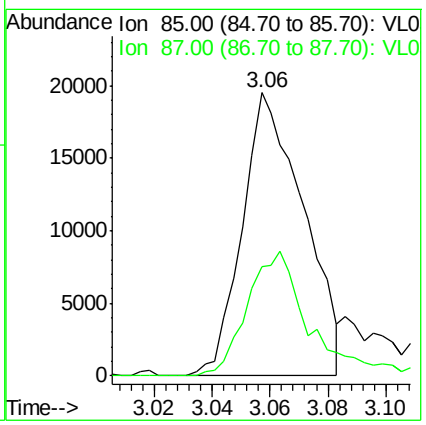


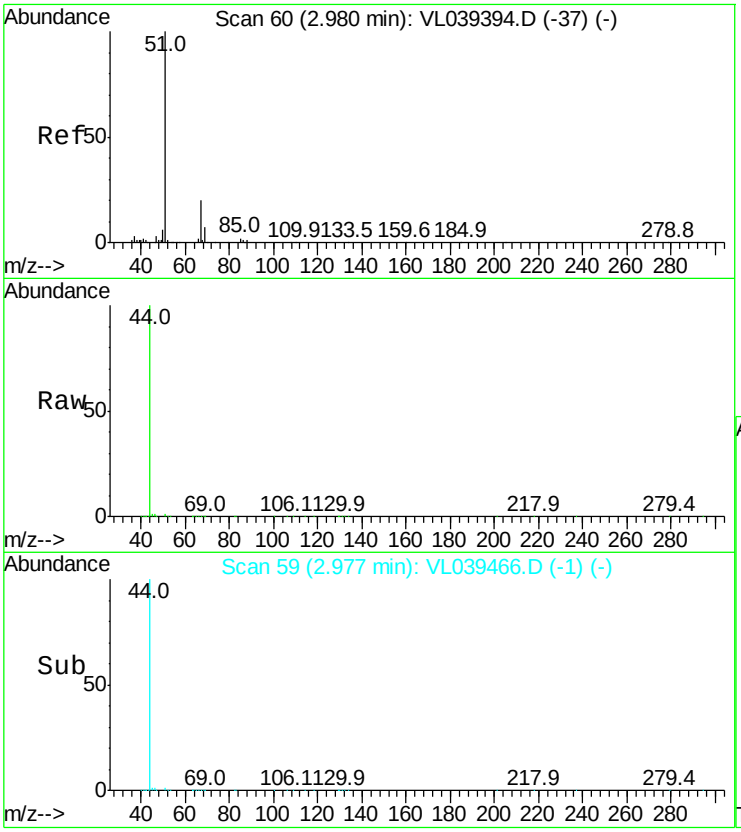


#2
Dichlorodifluoromethane
Concen: 0.14 ppbv
RT: 3.06 min Scan# 84
Delta R.T. 0.02 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 85 Resp: 28623

Ion	Ratio	Lower	Upper
85	100		
87	38.8	26.7	40.1



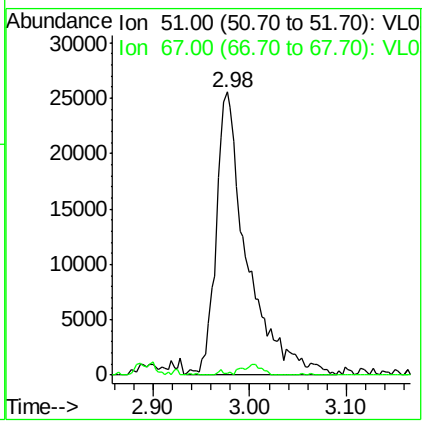


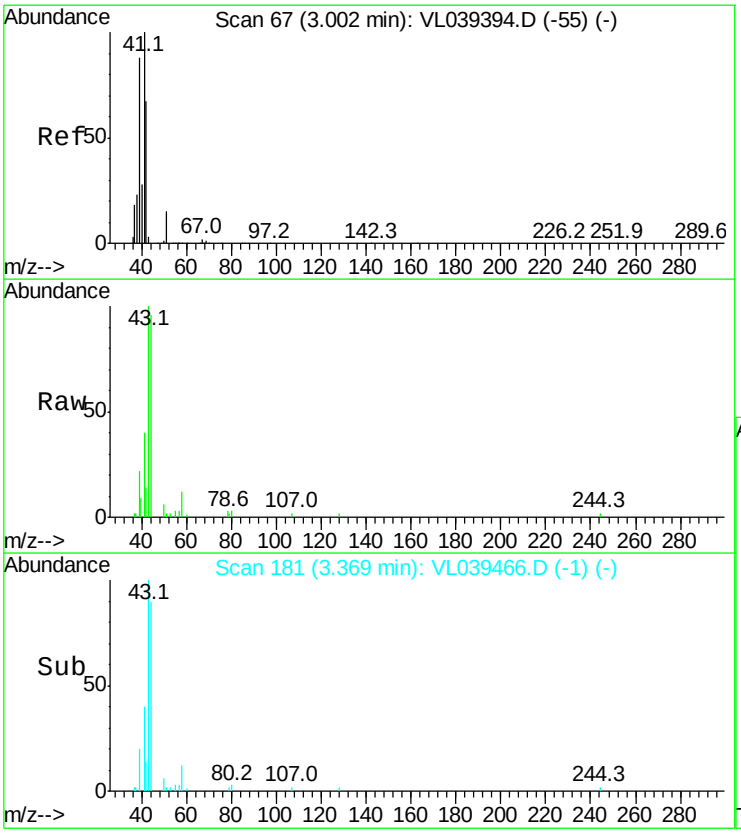
#3
Chlorodifluoromethane
Concen: 0.31 ppbv
RT: 2.98
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 51 Resp: 56709

Ion	Ratio	Lower	Upper
51	100		
67	2.9	15.7	23.5#

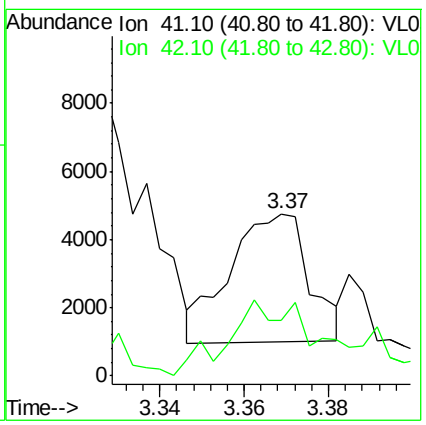


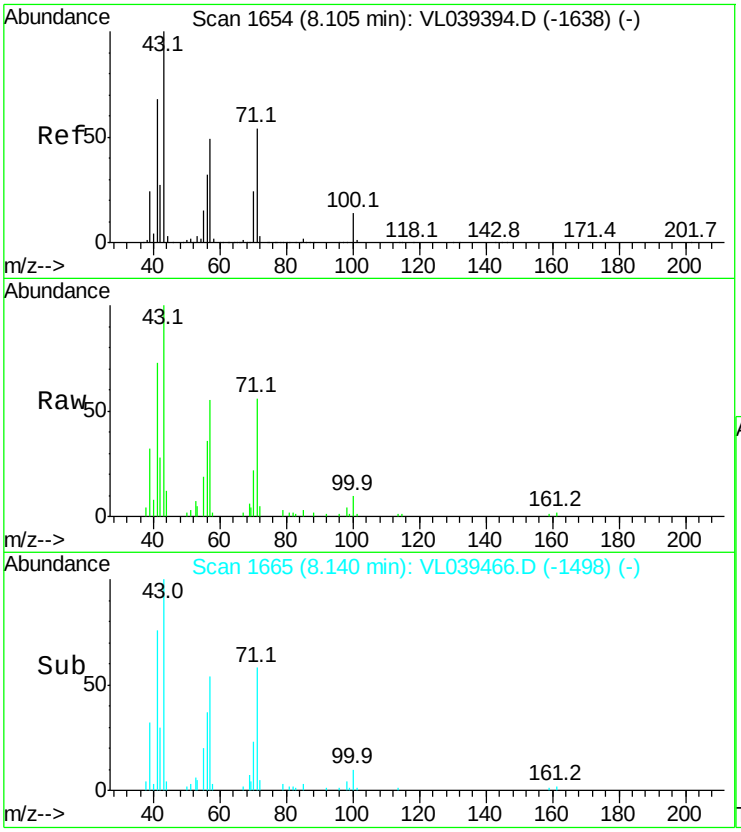


#9
Propene
Concen: 0.06 ppbv
RT: 3.37 min Scan# 181
Delta R.T. 0.37 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 41 Resp: 4956

Ion	Ratio	Lower	Upper
41	100		
42	80.3	55.2	82.8



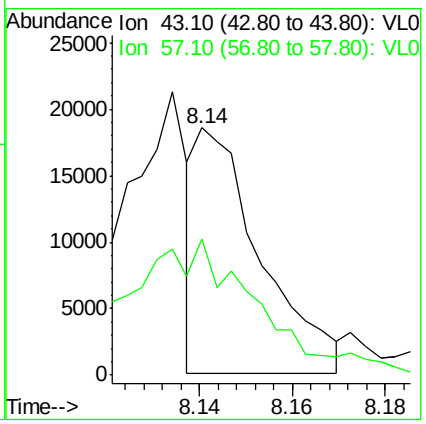


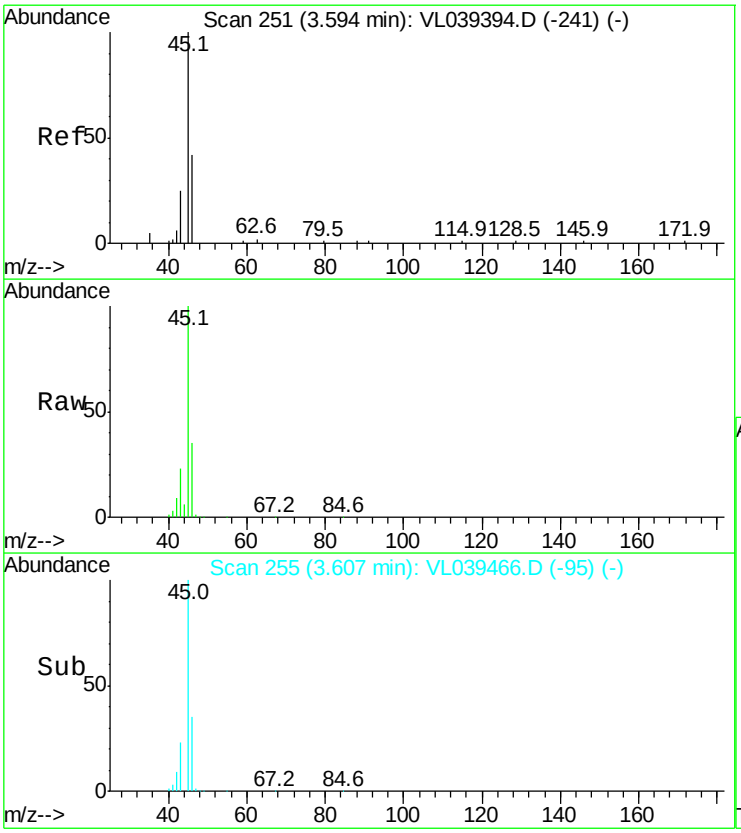
#10
Heptane
Concen: 0.09 ppbv
RT: 8.14
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 17888

Ion	Ratio	Lower	Upper
43	100		
57	115.6	40.5	60.7#

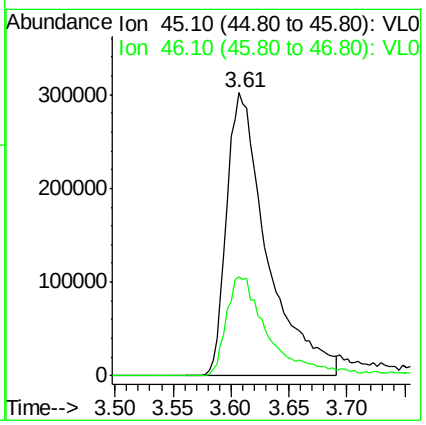


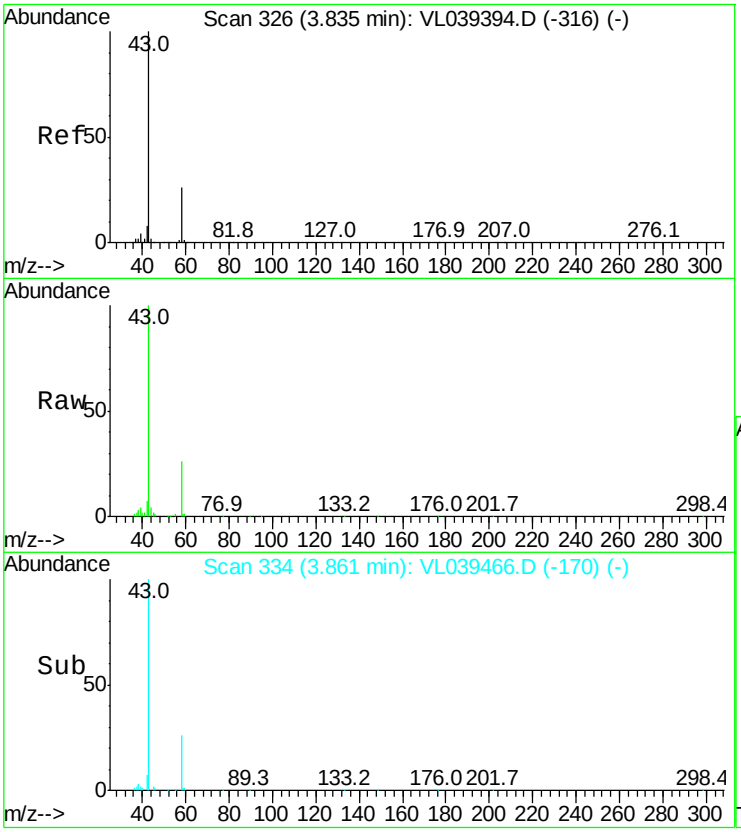


#13
Ethanol
Concen: 154.79 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 45 Resp: 731102

Ion	Ratio	Lower	Upper
45	100		
46	38.6	22.8	91.2



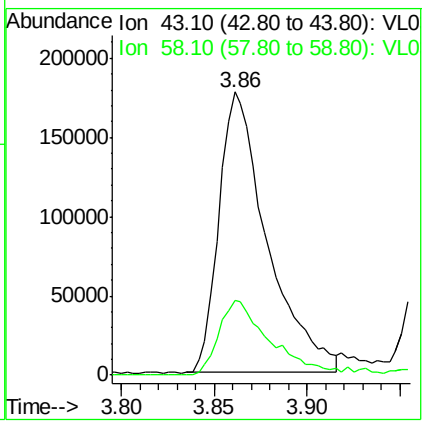


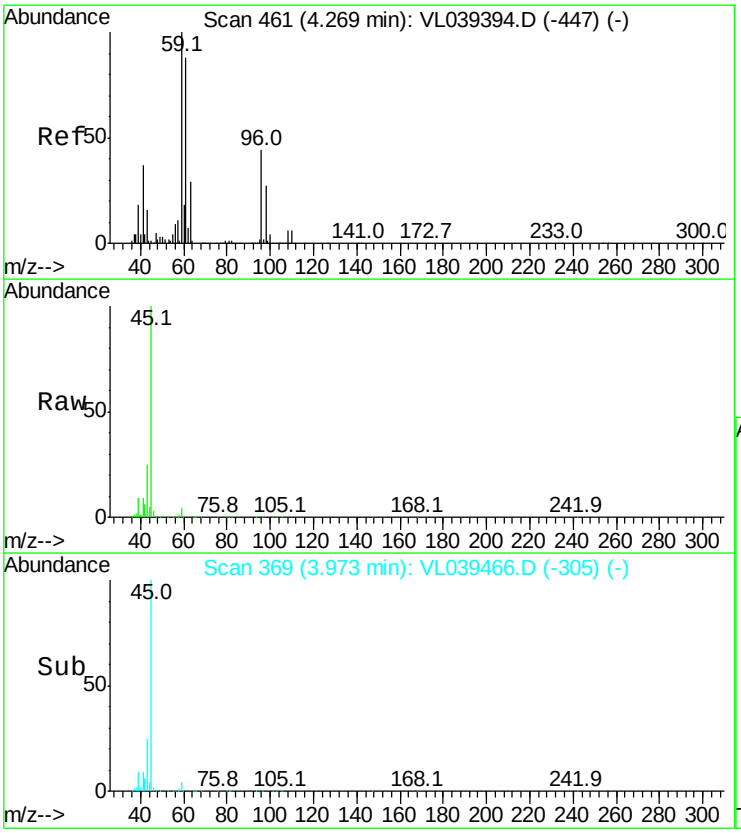
#15
Acetone
Concen: 1.91 ppbv
RT: 3.86
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 321400

Ion	Ratio	Lower	Upper
43	100		
58	29.2	21.0	31.6

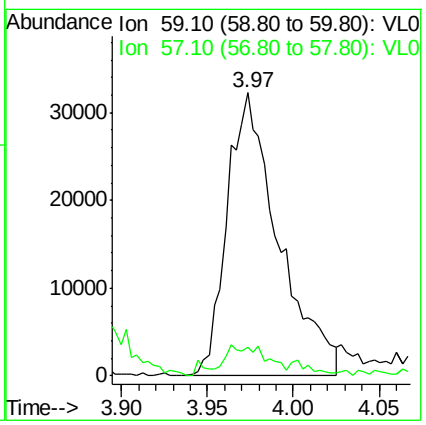


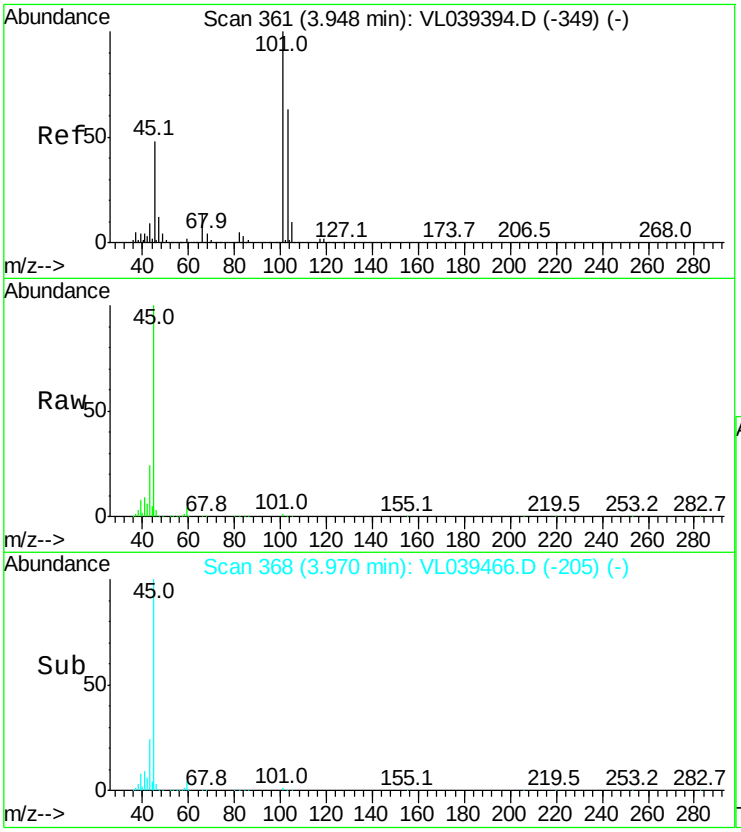


#17
tert-Butyl alcohol
Concen: 0.47 ppbv
RT: 3.97 min Scan# 369
Delta R.T. -0.30 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 59 Resp: 67418

Ion	Ratio	Lower	Upper
59	100		
57	11.9	8.7	13.1



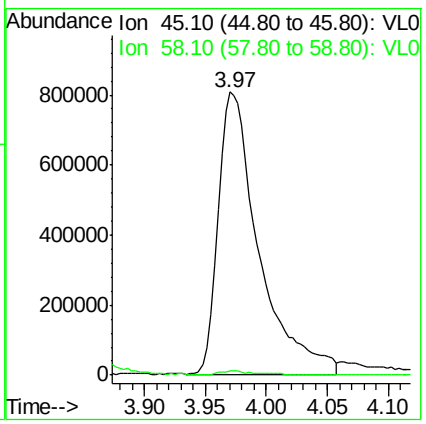


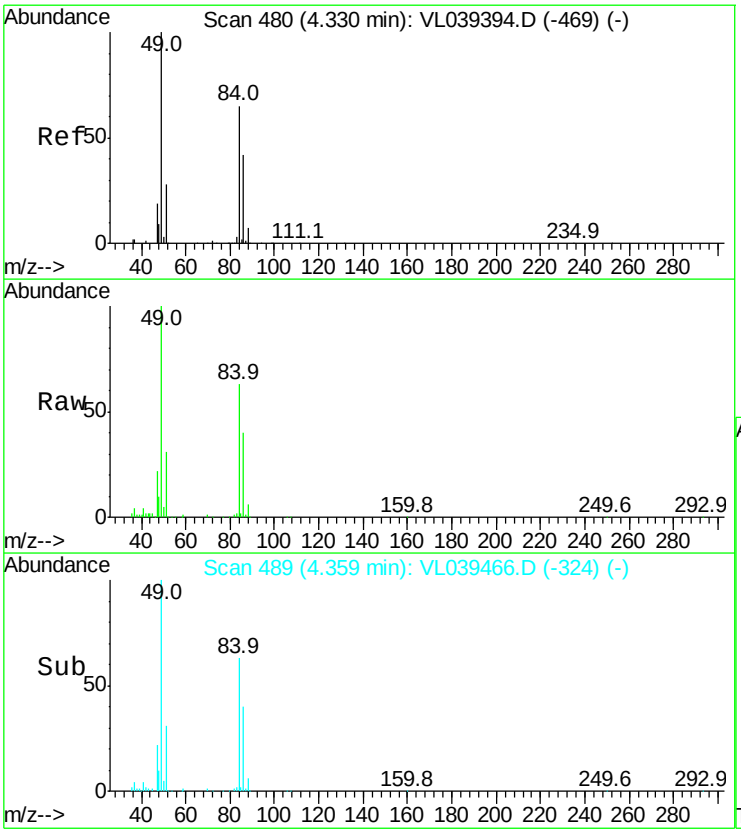
#19
Isopropyl Alcohol
Concen: 20.92 ppbv
RT: 3.97
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 45 Resp: 1876114

Ion	Ratio	Lower	Upper
45	100		
58	1.7	3.2	4.8#

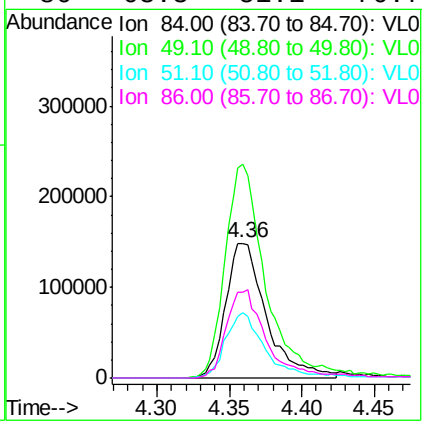


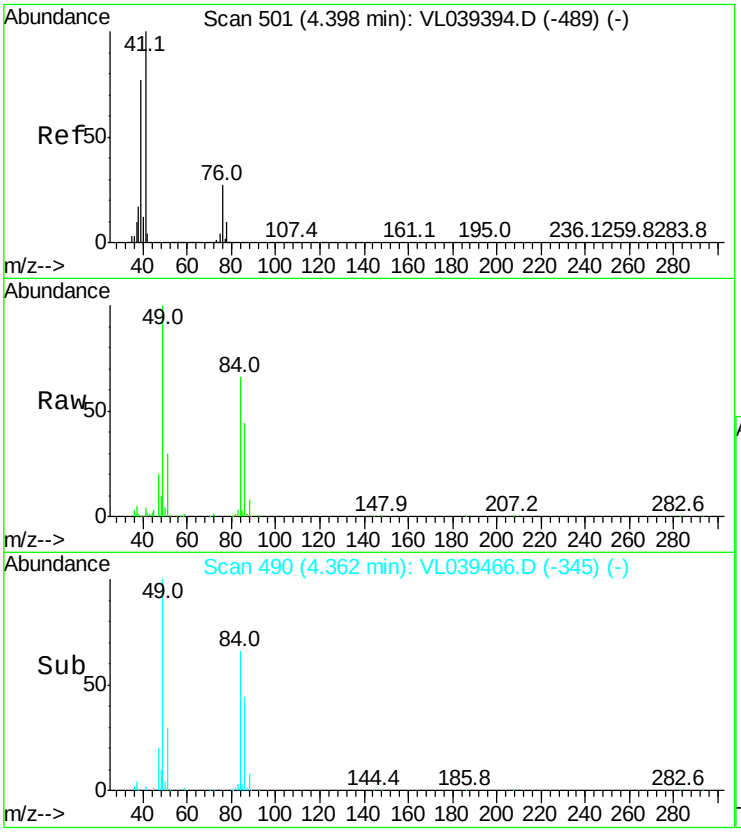


#20
Methylene Chloride
Concen: 4.30 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 84 Resp: 288170

Ion	Ratio	Lower	Upper
84	100		
49	157.8	123.1	184.7
51	48.6	34.4	51.6
86	63.3	51.1	76.7



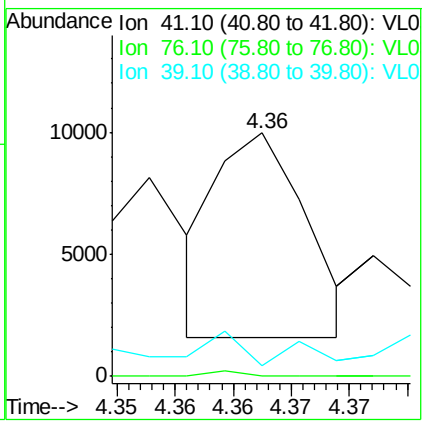


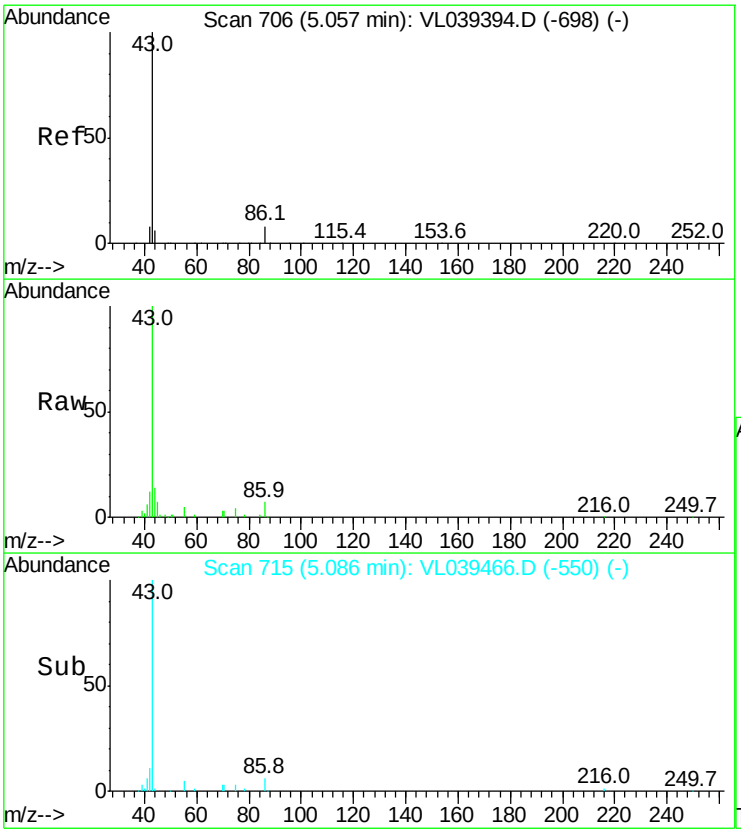
#21
Allyl Chloride
Concen: 0.04 ppbv
RT: 4.36
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 41 Resp: 4504

Ion	Ratio	Lower	Upper
41	100		
76	152.6	24.4	36.6#
39	0.0	63.5	95.3#

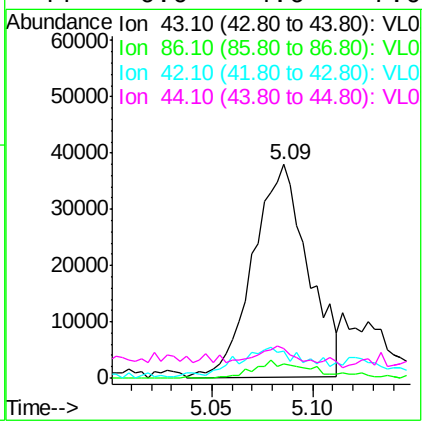


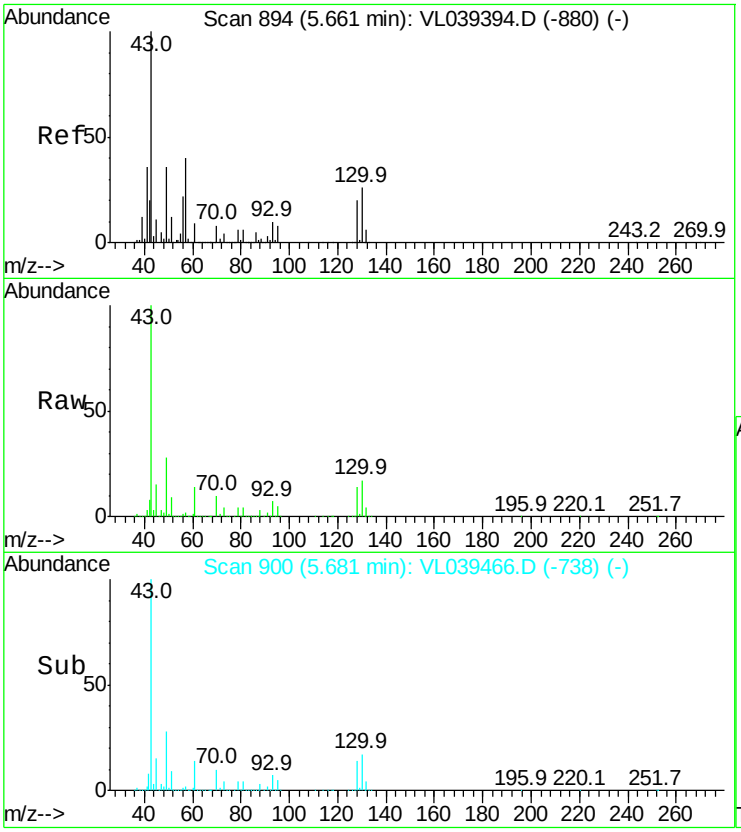


#23
Vinyl Acetate
Concen: 0.64 ppbv
RT: 5.09 min Scan# 715
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 43 Resp: 71570

Ion	Ratio	Lower	Upper
43	100		
86	6.3	5.0	7.6
42	10.1	7.7	11.5
44	6.0	4.6	7.0



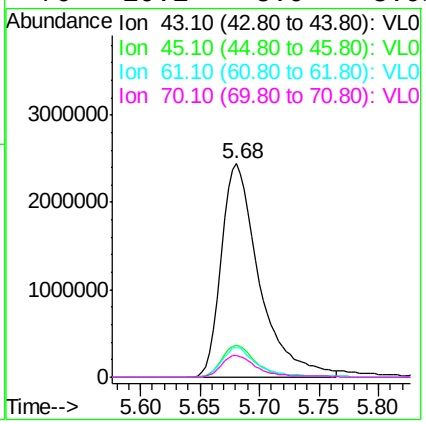


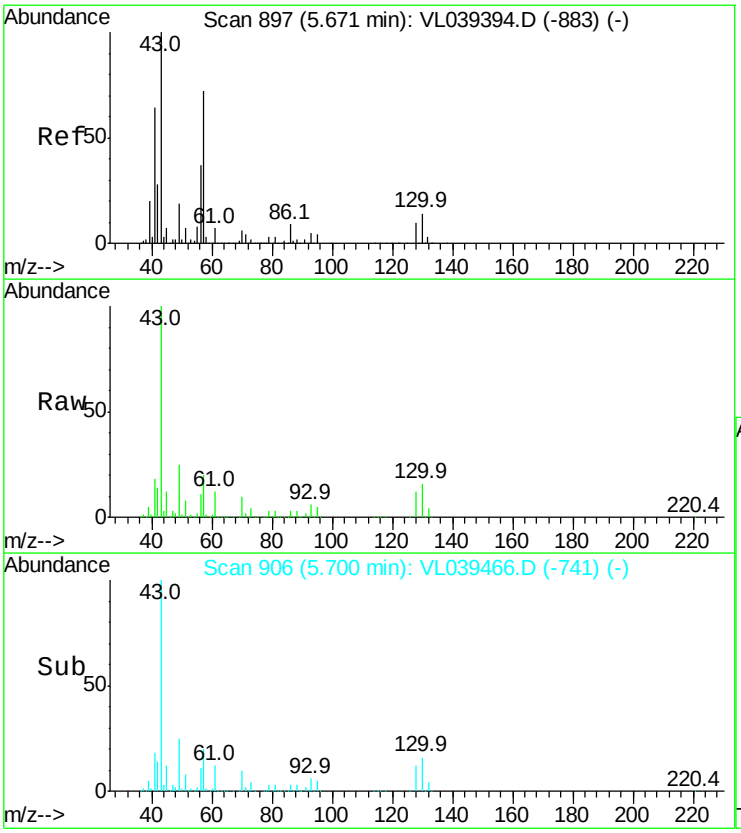
#25
Ethyl Acetate
Concen: 15.71 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 5416367

Ion	Ratio	Lower	Upper
43	100		
45	14.5	8.2	12.4#
61	13.3	8.3	12.5#
70	10.1	5.9	8.9#

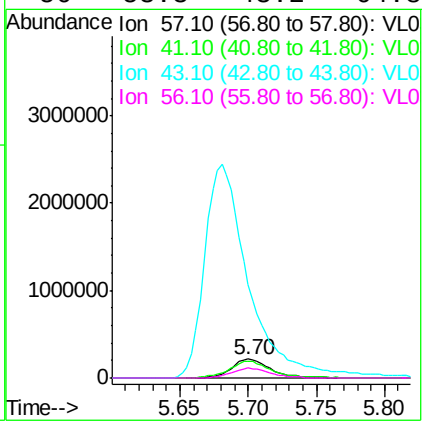


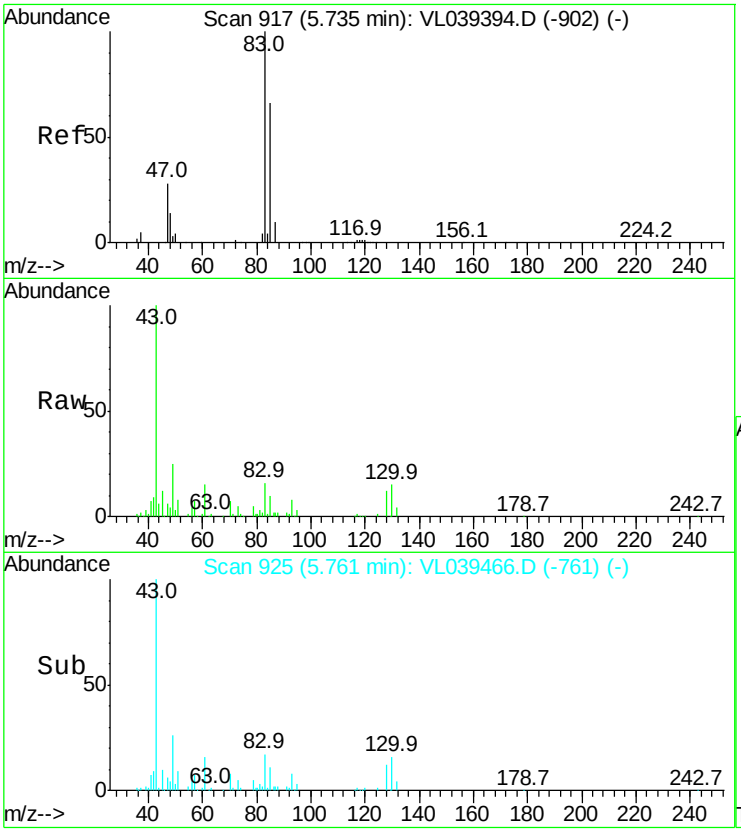


#26
Hexane
Concen: 3.08 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 57 Resp: 427393

Ion	Ratio	Lower	Upper
57	100		
41	100.6	76.9	115.3
43	1322.9	191.0	286.6#
56	53.3	43.2	64.8



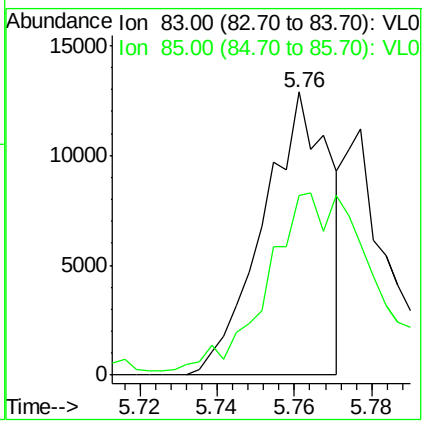


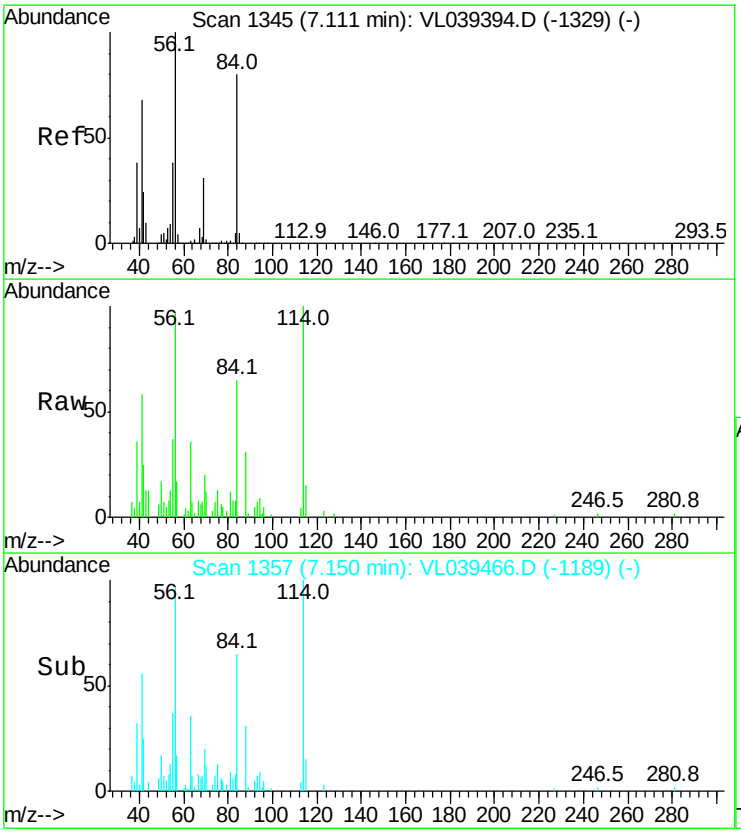
#29
Chloroform
Concen: 0.06 ppbv
RT: 5.76
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 83 Resp: 15442

Ion	Ratio	Lower	Upper
83	100		
85	60.8	52.8	79.2

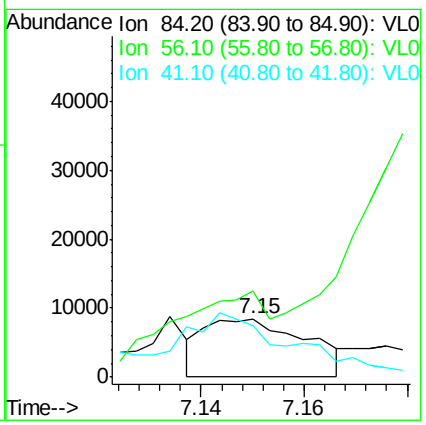


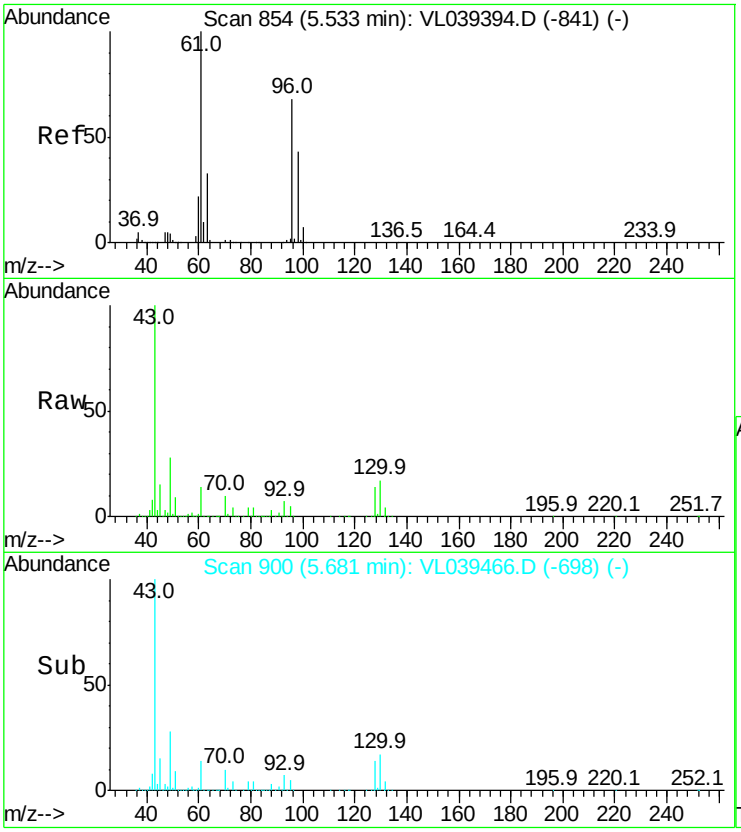


#30
Cyclohexane
Concen: 0.09 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.04 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 84 Resp: 11606

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	156.3	67.7	101.5#



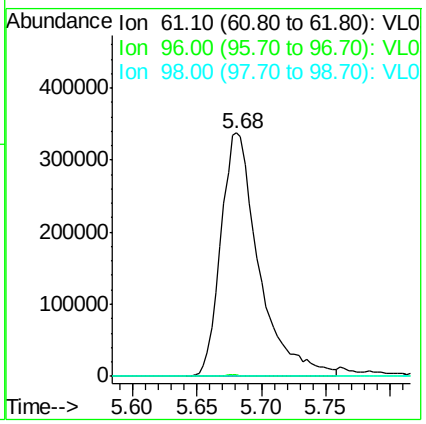


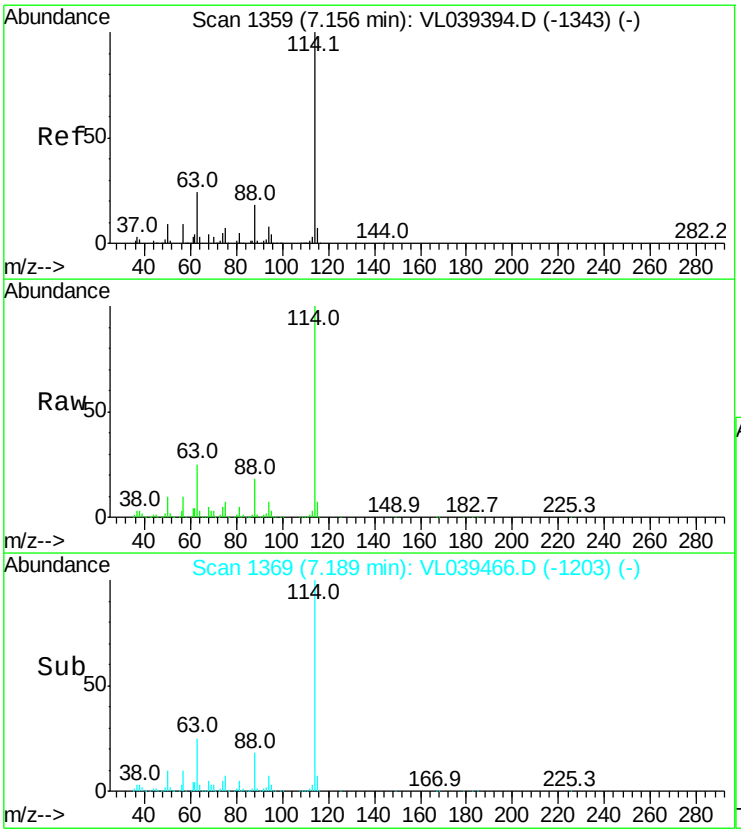
#31
cis-1,2-Dichloroethene
Concen: 4.69 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 61 Resp: 690791

Ion	Ratio	Lower	Upper
61	100		
96	0.7	54.1	81.1#
98	0.0	34.6	52.0#

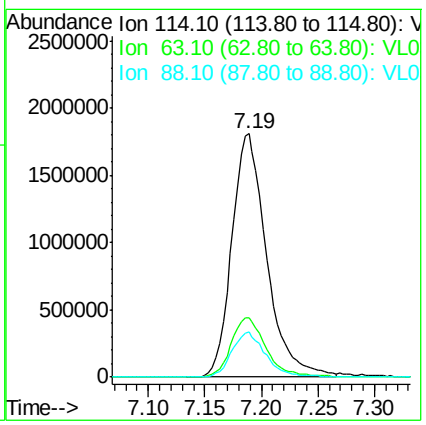


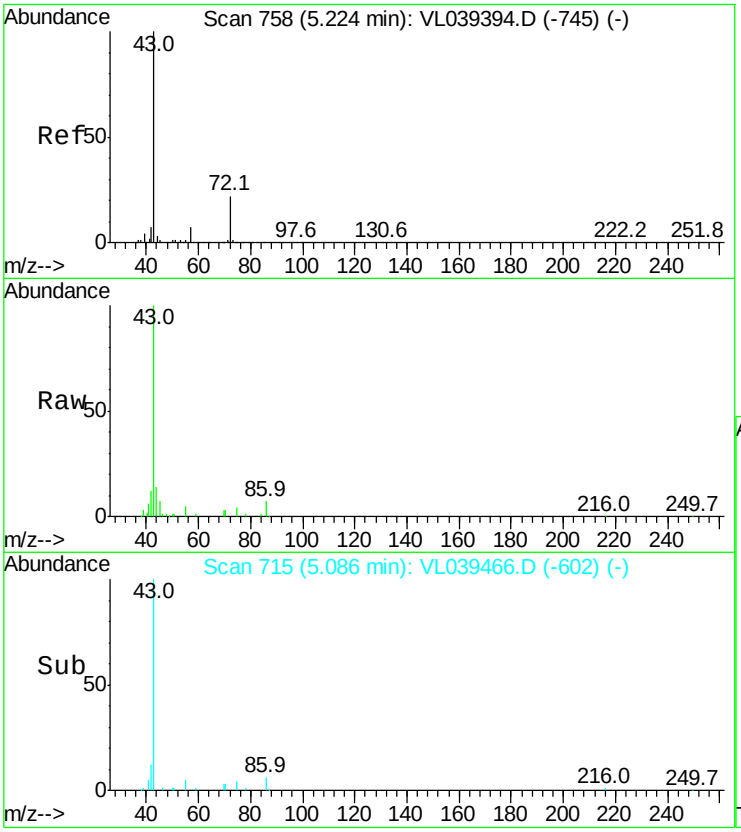


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion:114 Resp: 3890706

Ion	Ratio	Lower	Upper
114	100		
63	24.7	20.2	30.4
88	18.2	14.5	21.7



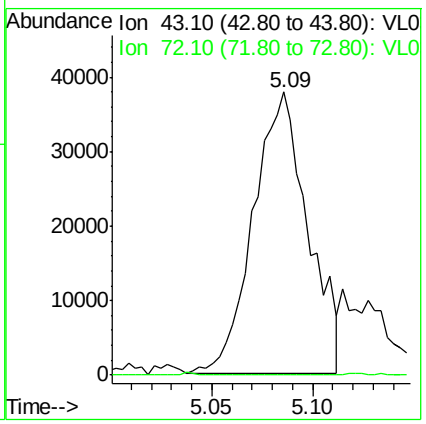


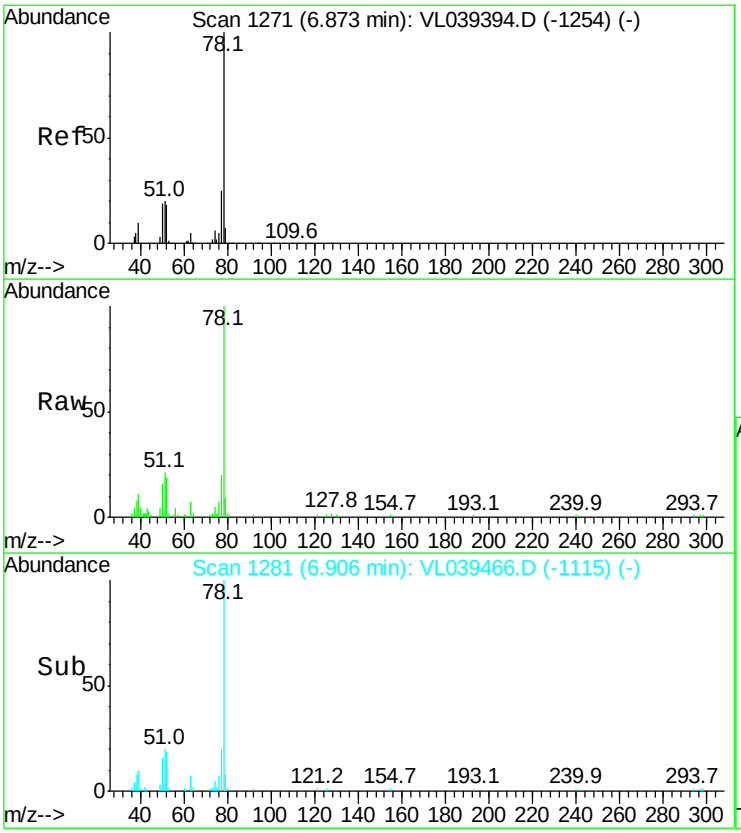
#34
2-Butanone
Concen: 0.36 ppbv
RT: 5.09
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 43 Resp: 71306

Ion	Ratio	Lower	Upper
43	100		
72	5.4	17.9	26.9#

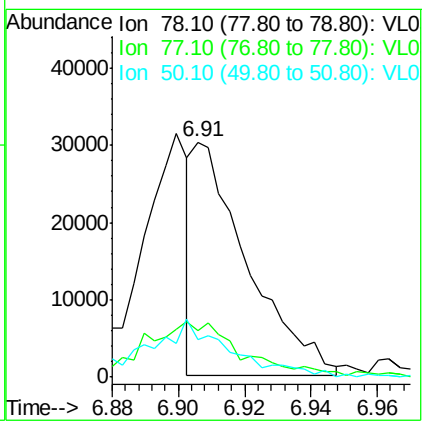


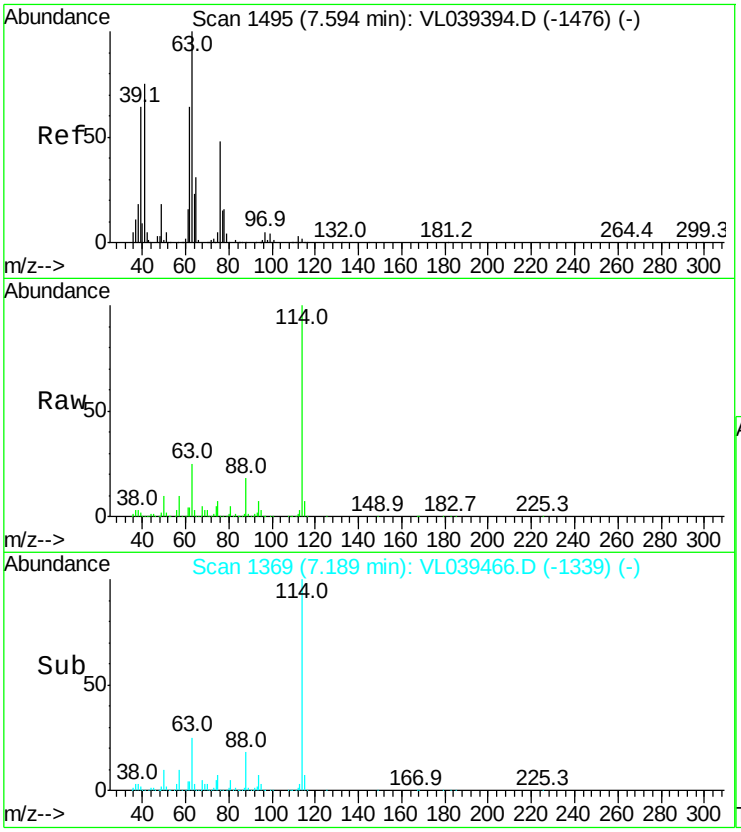


#36
Benzene
Concen: 0.11 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 78 Resp: 34127

Ion	Ratio	Lower	Upper
78	100		
77	18.3	20.3	30.5#
50	16.5	15.5	23.3



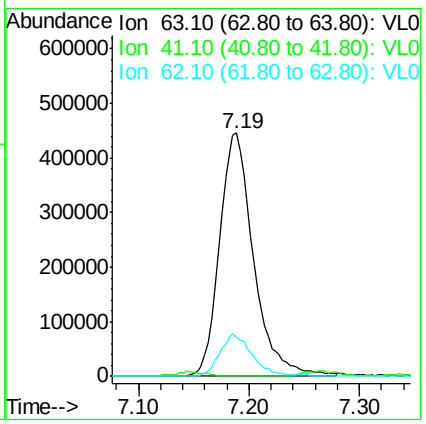


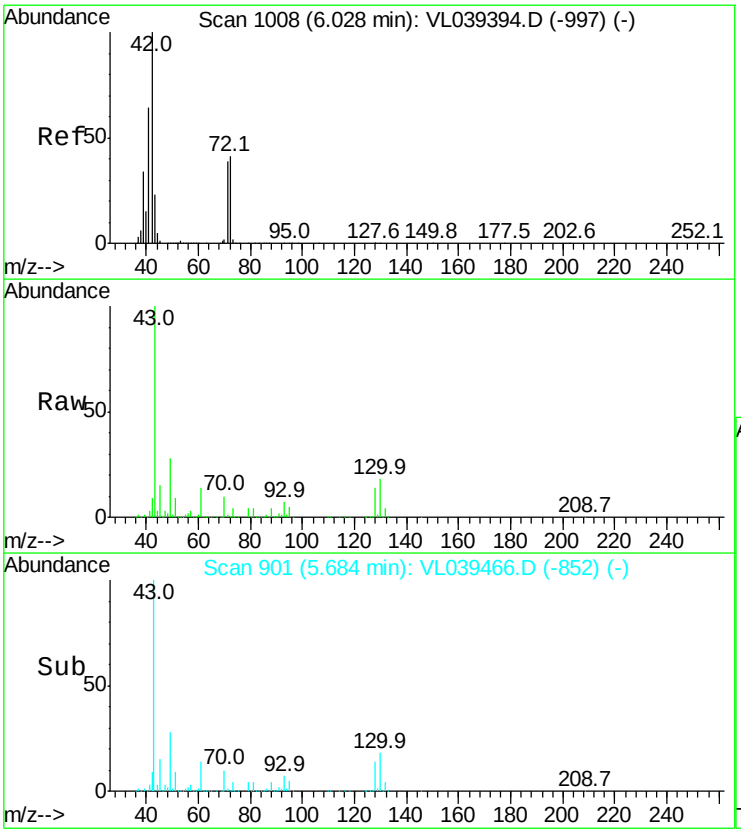
#39
1,2-Dichloropropane
Concen: 8.45 ppbv
RT: 7.19
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 63 Resp: 950954

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	16.0	51.4	77.0#

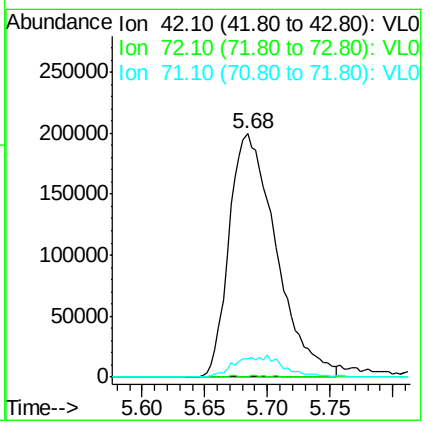


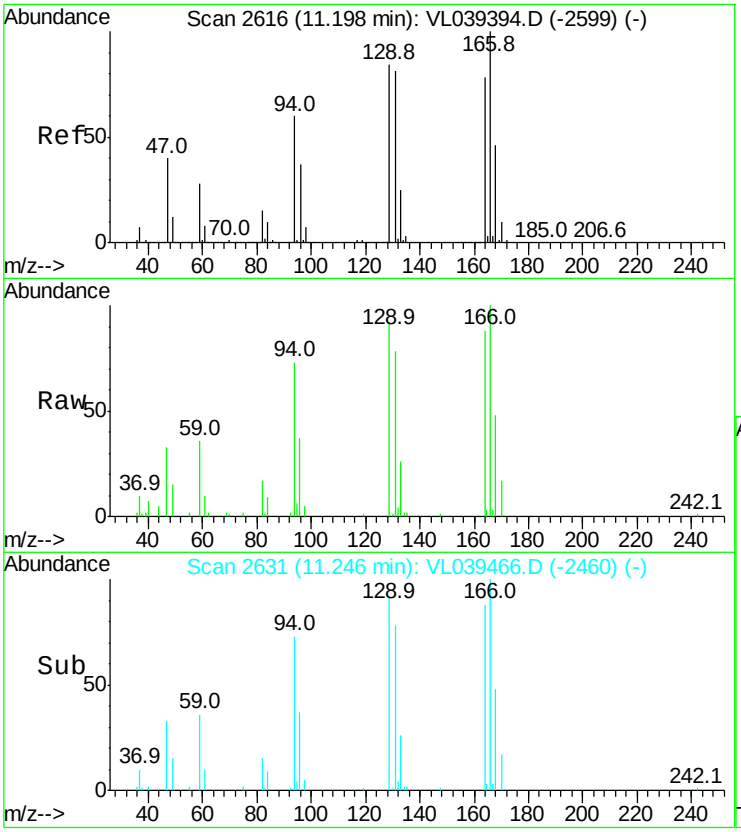


#41
Tetrahydrofuran
Concen: 4.59 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.34 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 42 Resp: 520831

Ion	Ratio	Lower	Upper
42	100		
72	0.6	31.8	47.8#
71	9.3	31.8	47.8#



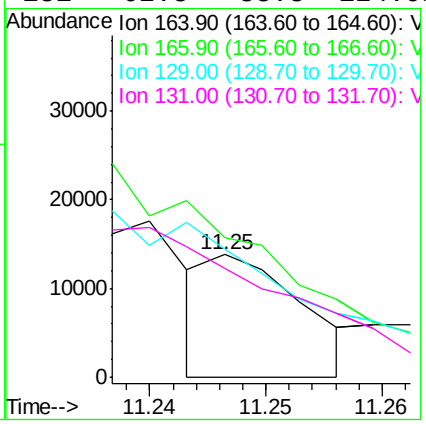


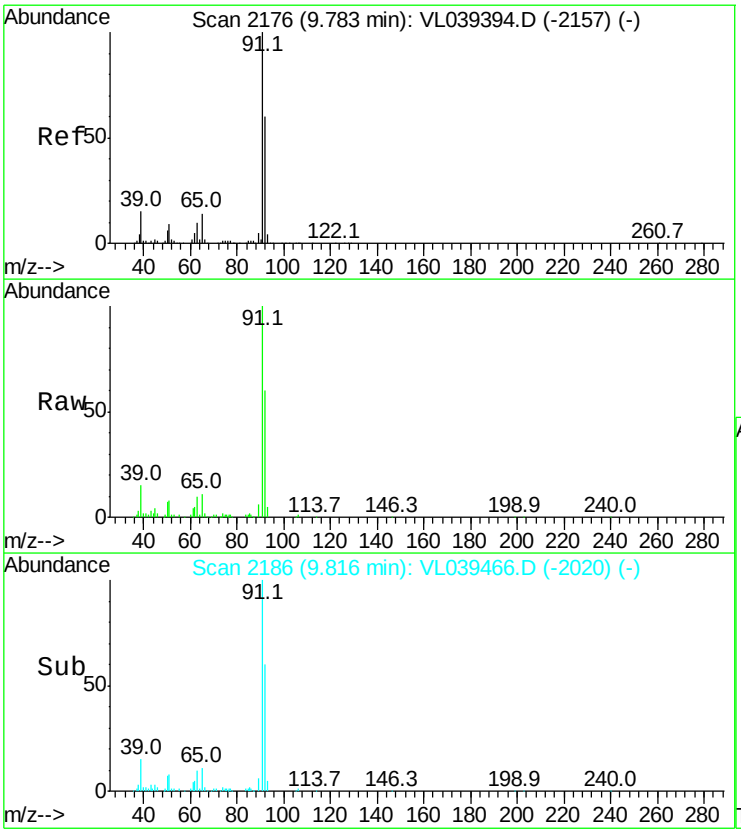
#52
Tetrachloroethene
Concen: 0.06 ppbv
RT: 11.25
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:164 Resp: 7726

Ion	Ratio	Lower	Upper
164	100		
166	83.4	102.2	153.2#
129	88.7	85.8	128.8
131	62.8	83.3	124.9#

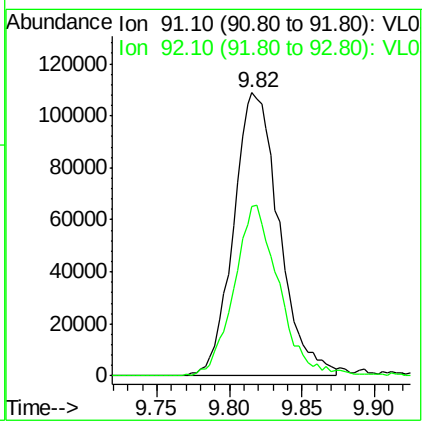


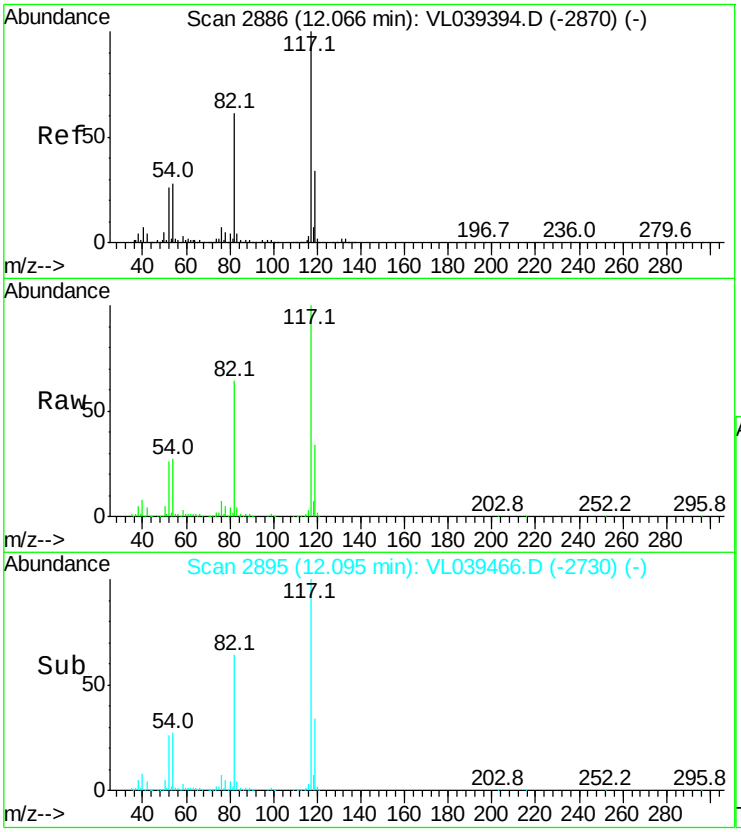


#53
Toluene
Concen: 0.69 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 91 Resp: 238461

Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.2	72.2



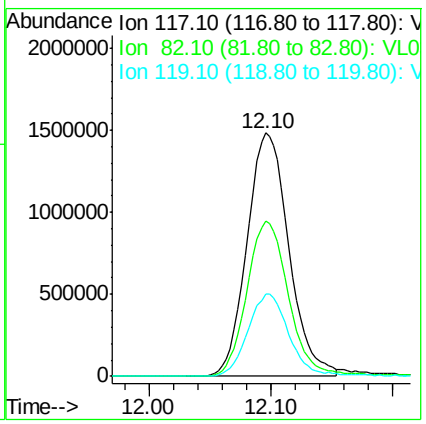


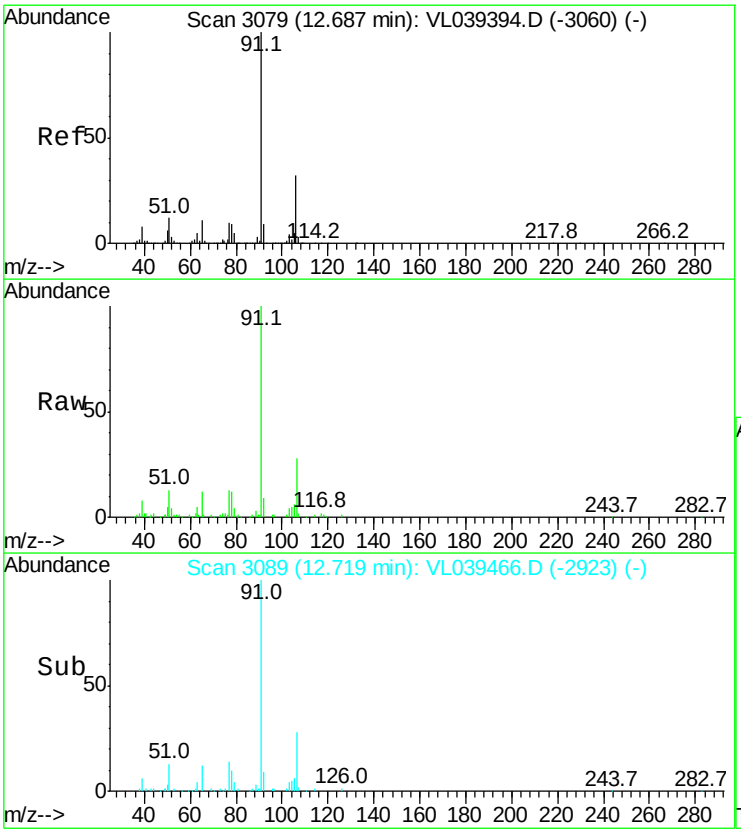
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.10
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:117 Resp: 3515691

Ion	Ratio	Lower	Upper
117	100		
82	65.1	50.8	76.2
119	33.8	24.1	36.1

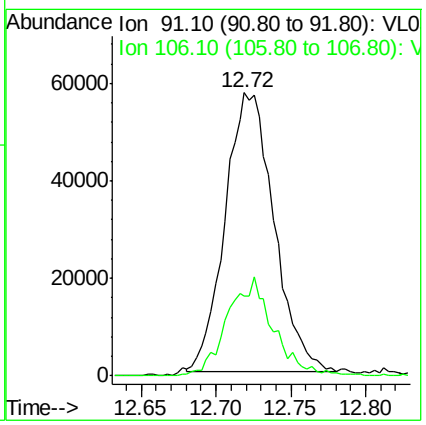


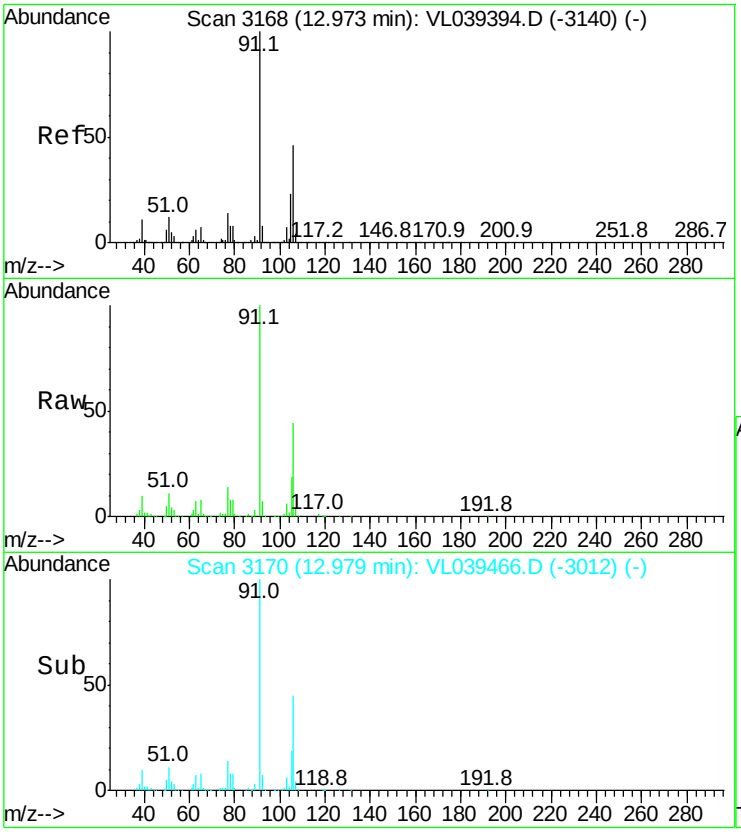


#58
Ethyl Benzene
Concen: 0.29 ppbv
RT: 12.72 min Scan# 3089
Delta R.T. 0.03 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 91 Resp: 129514

Ion	Ratio	Lower	Upper
91	100		
106	28.1	25.4	38.0



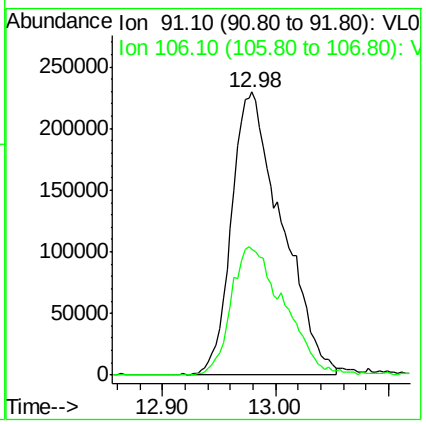


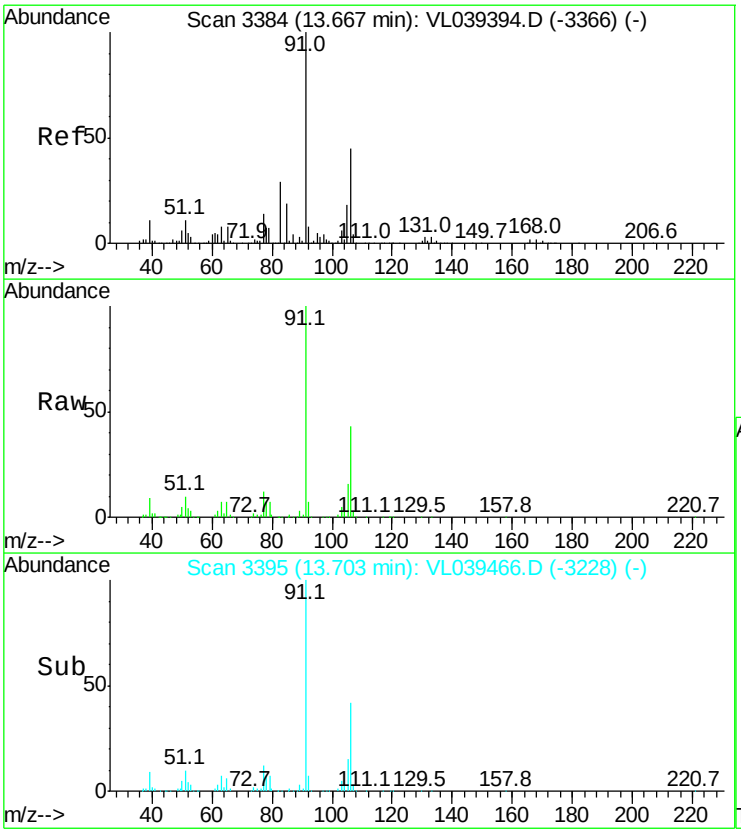
#59
m/p-Xylene
Concen: 1.76 ppbv
RT: 12.98
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 91 Resp: 703770

Ion	Ratio	Lower	Upper
91	100		
106	47.9	35.4	53.2

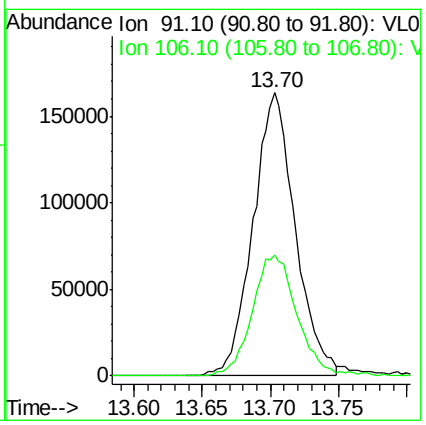


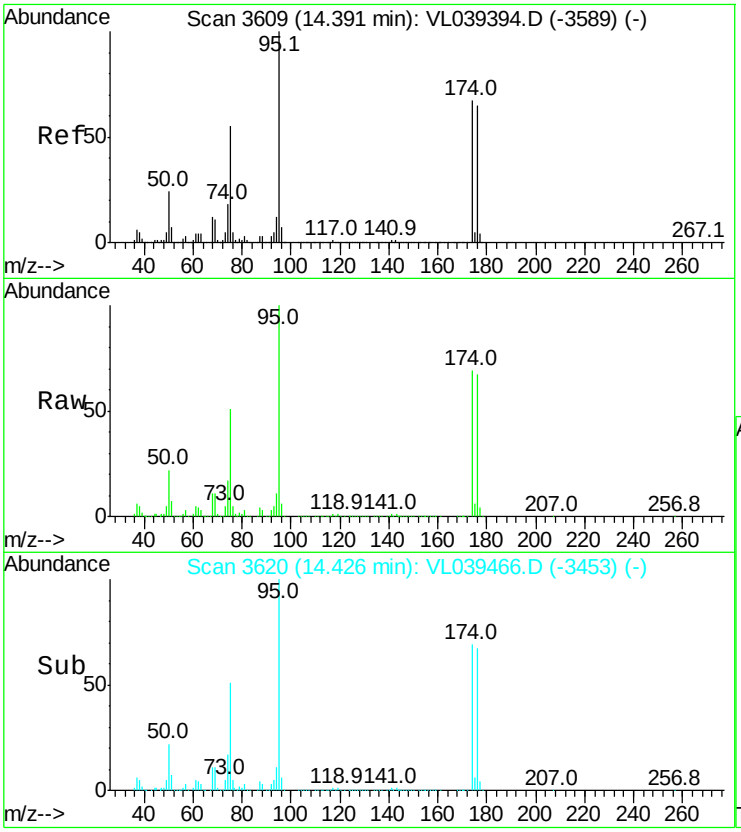


#60
o-Xylene
Concen: 0.93 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.04 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion: 91 Resp: 351332

Ion	Ratio	Lower	Upper
91	100		
106	45.4	22.4	67.3



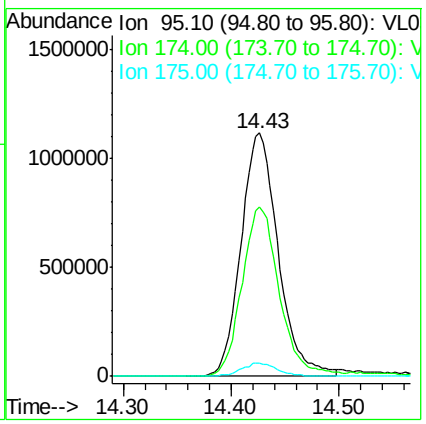


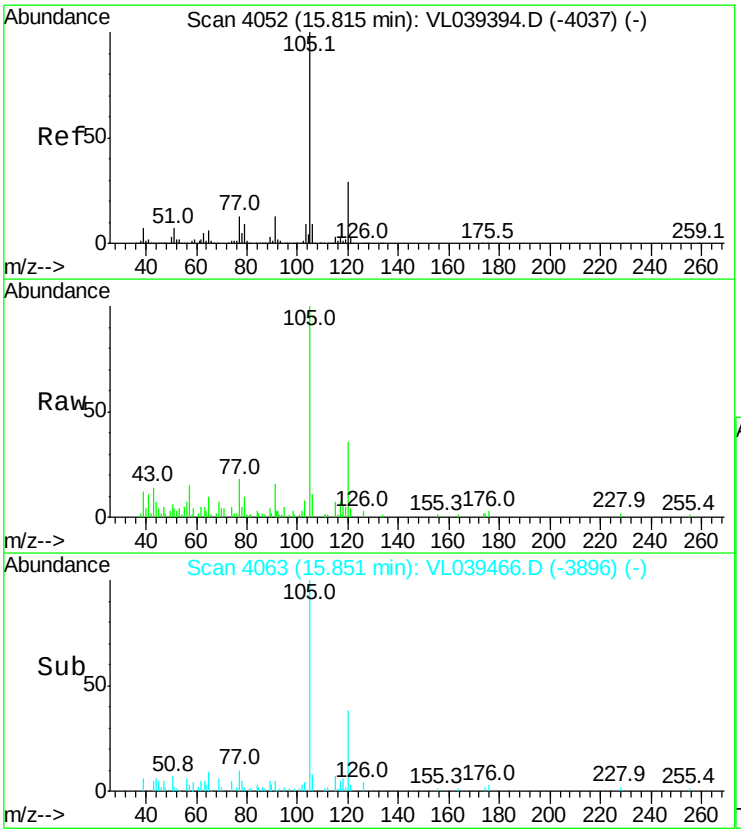
#68
1-Bromo-4-Fluorobenzene
Concen: 10.26 ppbv
RT: 14.43
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion: 95 Resp: 2674652

Ion	Ratio	Lower	Upper
95	100		
174	72.9	55.9	83.9
175	5.4	4.2	6.4

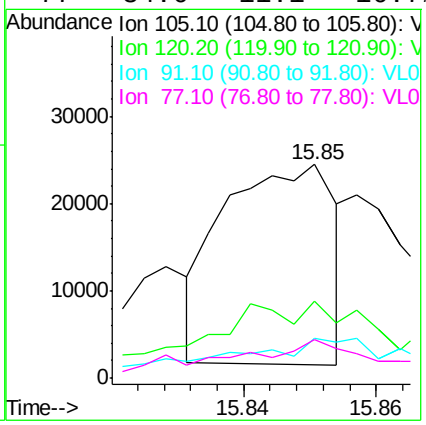


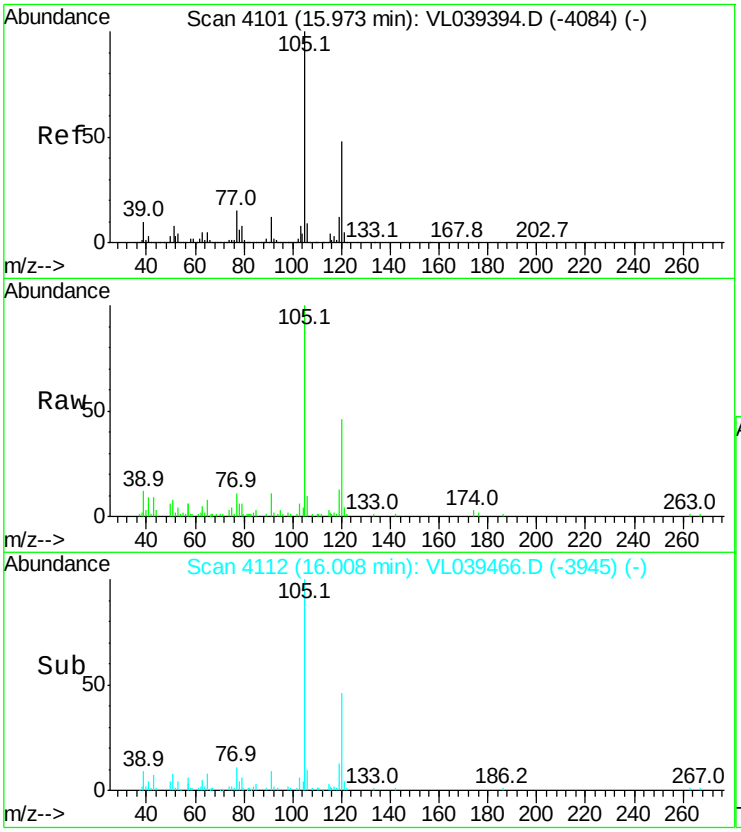


#72
4-Ethyltoluene
Concen: 0.06 ppbv
RT: 15.85 min Scan# 4063
Delta R.T. 0.04 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion:105 Resp: 26627

Ion	Ratio	Lower	Upper
105	100		
120	67.7	24.2	36.2#
91	0.0	10.2	15.4#
77	34.6	11.1	16.7#



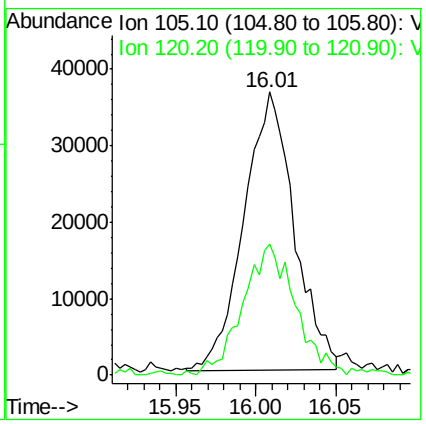


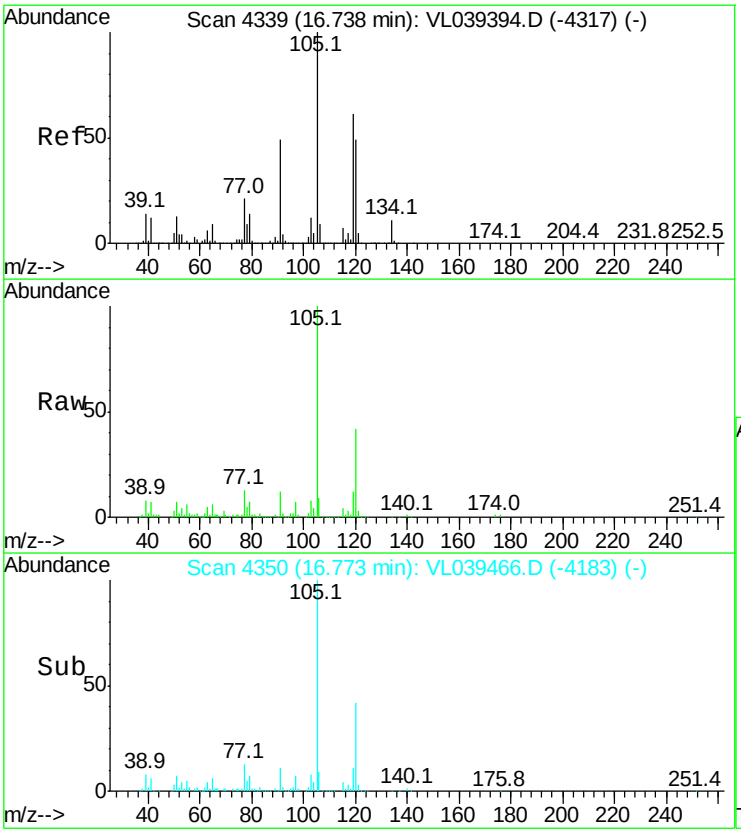
#73
1,3,5-Trimethylbenzene
Concen: 0.19 ppbv
RT: 16.01
Delta R.T
Lab File:
Acq: 13 Jul 2022 3:23

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tgt Ion:105 Resp: 78777

Ion	Ratio	Lower	Upper
105	100		
120	45.8	38.2	57.4





#74
1,2,4-Trimethylbenzene
Concen: 0.56 ppbv
RT: 16.77 min Scan# 4350
Delta R.T. 0.04 min
Lab File: VL039466.D
Acq: 13 Jul 2022 3:23

Tgt Ion:105 Resp: 253124

Ion	Ratio	Lower	Upper
105	100		
120	41.9	39.5	59.3
91	11.7	39.2	58.8#
77	13.1	17.2	25.8#