Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039184.D
Acq On : 6 Jun 2022 13:34
Operator : SY/AP
Sample : N3110-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Jun 06 14:07:28 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.66	49	1240998	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.17	114	3487514	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.08	117	3122993	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2444398	9.47	ppbv		-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	18260	0.08	ppbv		97
3) Chlorodifluoromethane	2.99	51	21256	0.13	ppbv	#	81
9) Propene	3.02	41	4677	0.07	ppbv	#	1
10) Heptane	8.11	43	6589	0.04	ppbv	#	26
11) Trichlorofluoromethane	3.95	101	13623	0.07	ppbv		100
13) Ethanol	3.60	45	150105	39.98	ppbv	#	100
15) Acetone	3.85	43	319191	2.47	ppbv		96
16) 1,3-Butadiene	3.33	39	4962	0.07	ppbv	#	8
19) Isopropyl Alcohol	3.97	45	39529	0.65	ppbv	#	79
20) Methylene Chloride	4.34	84	214501	3.94	ppbv		94
23) Vinyl Acetate	5.07	43	4566	0.04	ppbv	#	43
25) Ethyl Acetate	5.68	43	372575	1.28	ppbv	#	78
26) Hexane	5.68	57	510625	3.99	ppbv	#	41
27) Carbon Disulfide	4.55	76	28508	0.21	ppbv	#	83
29) Chloroform	5.75	83	117759	0.55	ppbv		84
30) Cyclohexane	7.12	84	3641	0.03	ppbv	#	1
34) 2-Butanone	5.25	43	32119	0.17	ppbv	#	65
35) Carbon Tetrachloride	7.01	117	198607	0.78	ppbv		98
39) 1,2-Dichloropropane	7.17	63	826950	7.34	ppbv	#	23
52) Tetrachloroethene	11.21	164	139171	1.26	ppbv		99
53) Toluene	9.80	91	286502	0.88	ppbv		99
58) Ethyl Benzene	12.70	91	130082	0.30	ppbv		100
59) m/p-Xylene	12.96	91	865866	2.29	ppbv		92
60) o-Xylene	13.68	91	318503	0.89	ppbv		99
61) Styrene	13.51	104	9410	0.05	ppbv	#	33
64) n-propylbenzene	15.55	120	8604	0.07	ppbv	#	1
65) tert-Butylbenzene	16.74	119	47408	0.10	ppbv	#	52
70) n-Butylbenzene	18.53	91	25376	0.04	ppbv	#	58
72) 4-Ethyltoluene	15.82	105	43405	0.10	ppbv	#	55
73) 1,3,5-Trimethylbenzene	15.98	105	137185	0.36	ppbv		93
74) 1,2,4-Trimethylbenzene	16.75	105	526220	1.25	ppbv	#	65

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

Quantitation Report (Not Reviewed)

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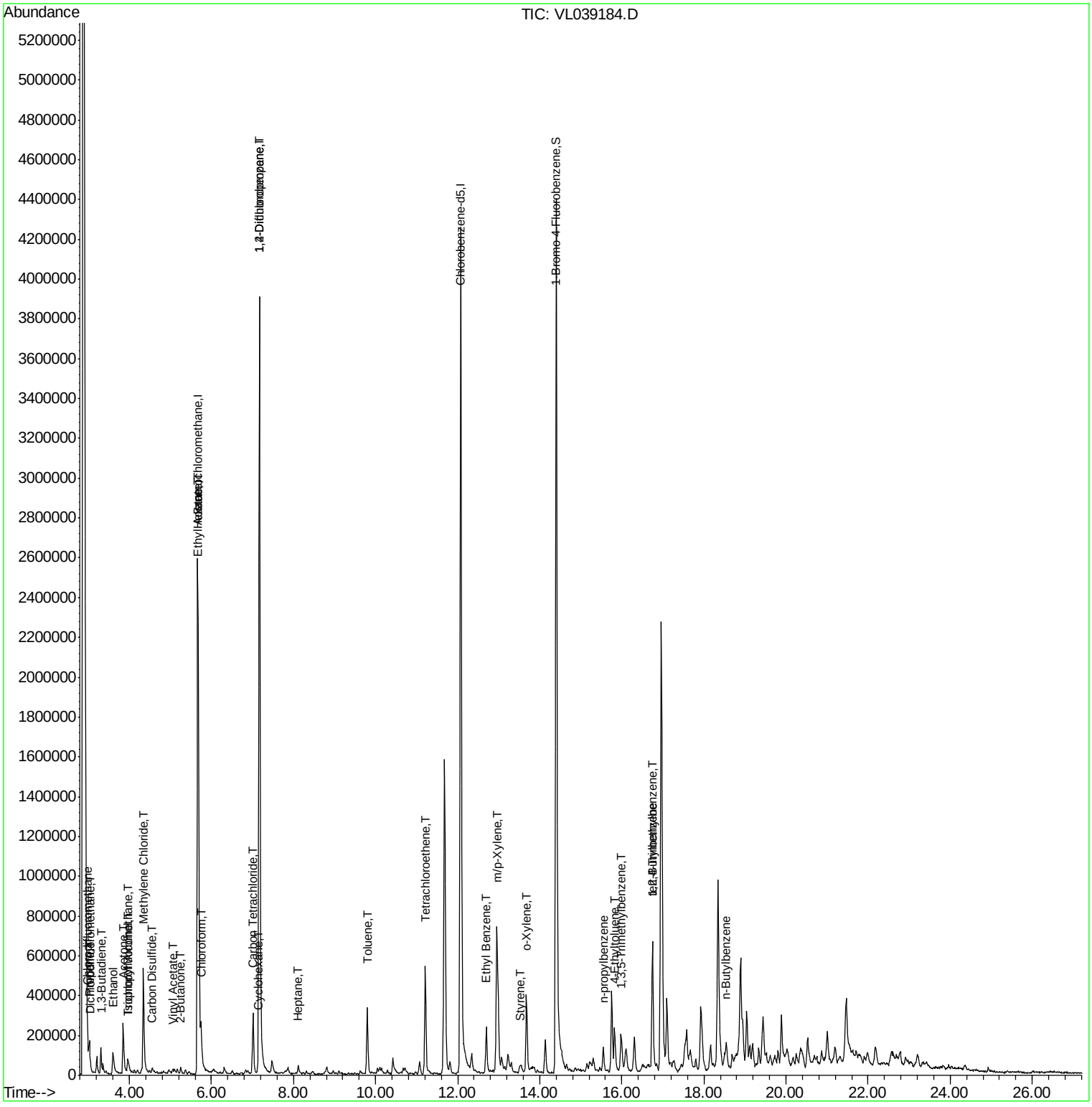
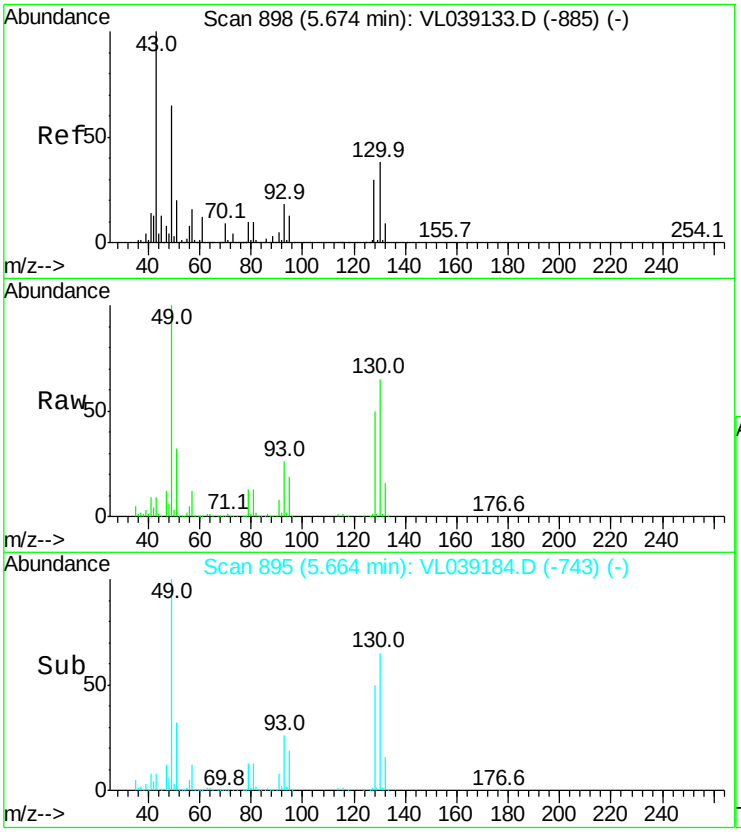
Acq On : 6 Jun 2022 13:34
Operator : SY/AP
Sample : N3110-01 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Quant Time: Jun 06 14:07:28 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration



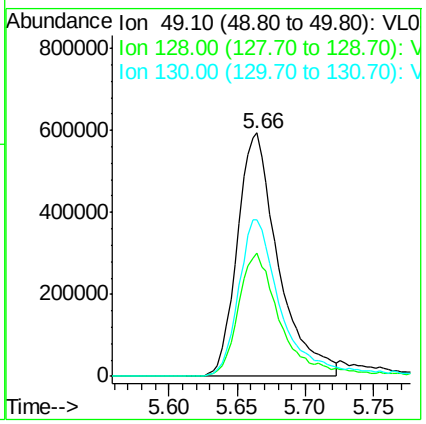


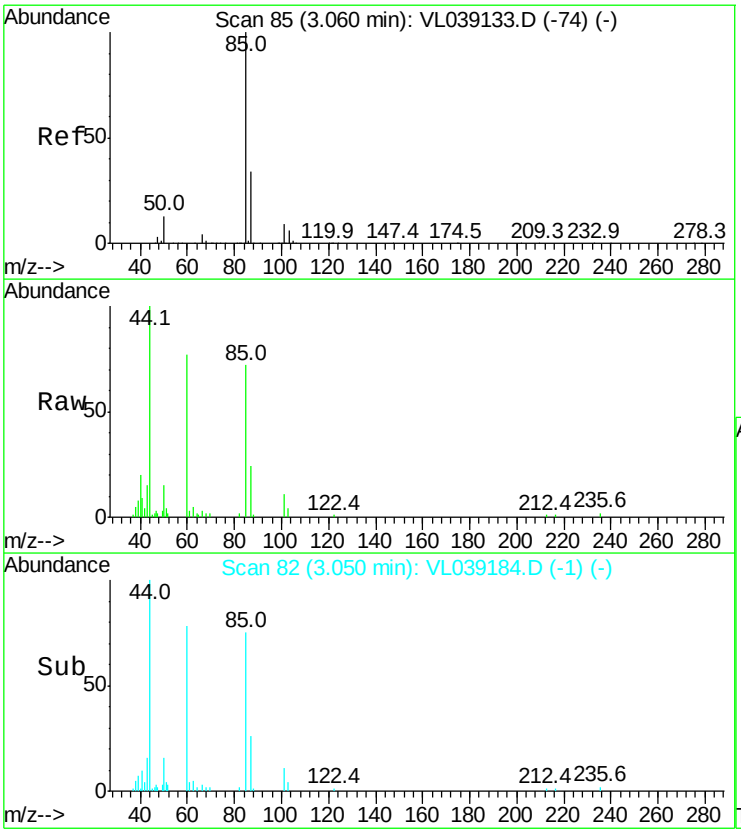
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 49 Resp: 1240998

Ion	Ratio	Lower	Upper
49	100		
128	54.2	24.7	74.1
130	68.3	31.4	94.0

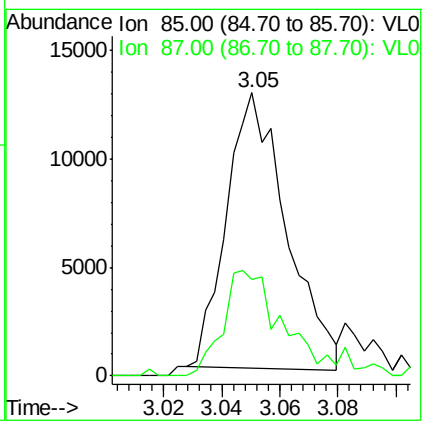


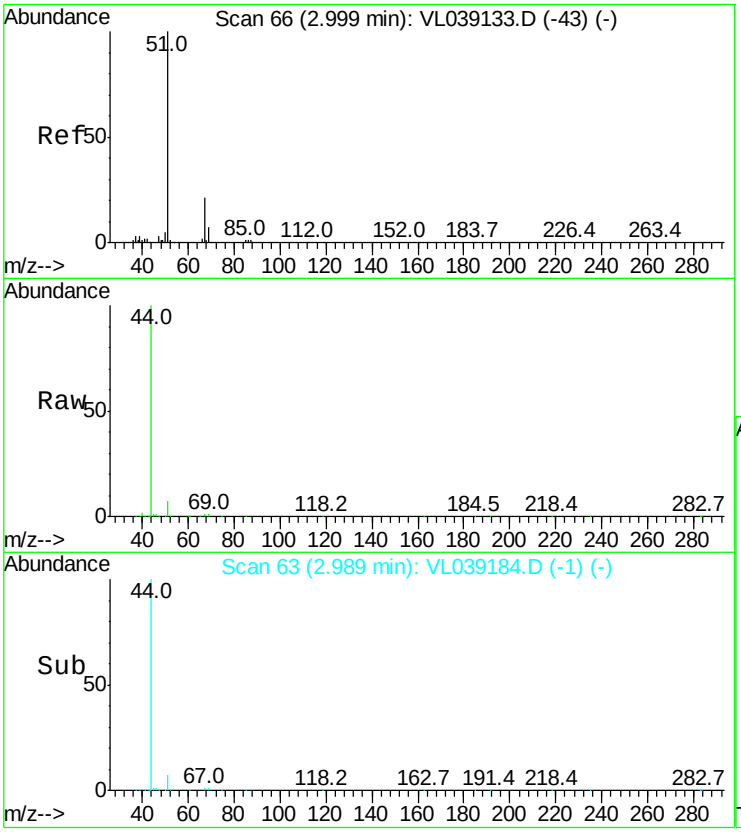


#2
Dichlorodifluoromethane
Concen: 0.08 ppbv
RT: 3.05 min Scan# 82
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 85 Resp: 18260

Ion	Ratio	Lower	Upper
85	100		
87	35.3	26.9	40.3



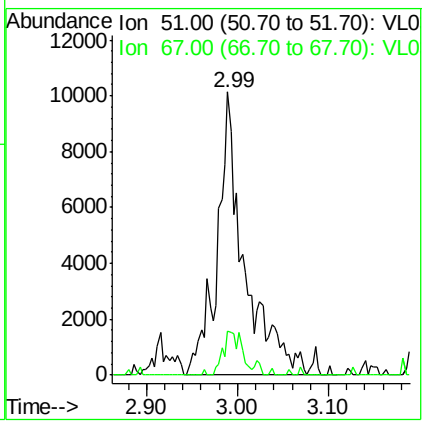


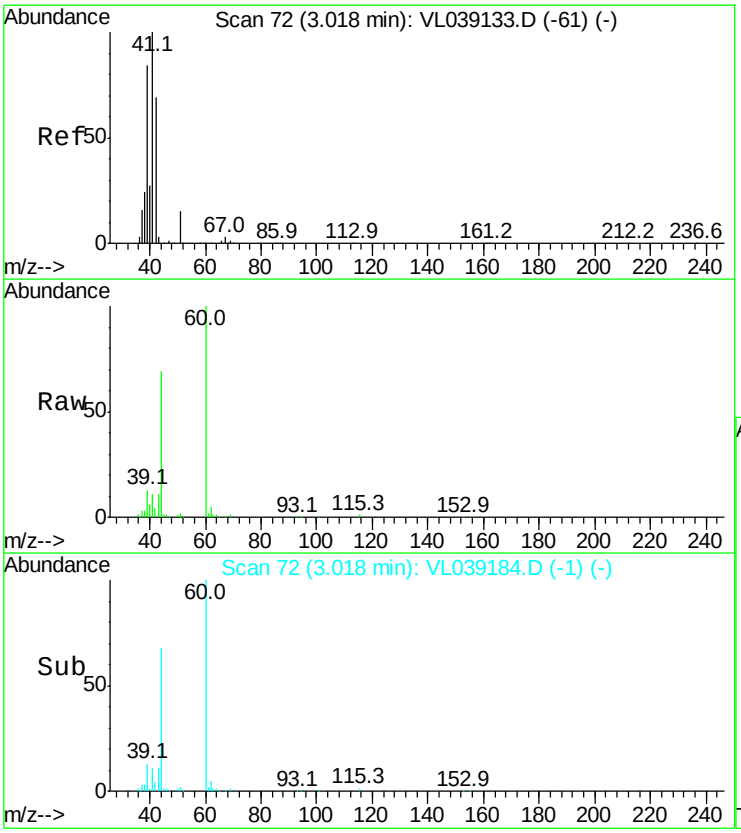
#3
Chlorodifluoromethane
Concen: 0.13 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 51 Resp: 21256

Ion	Ratio	Lower	Upper
51	100		
67	11.7	16.2	24.4#

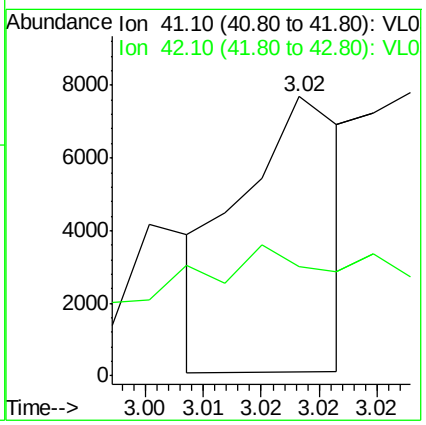


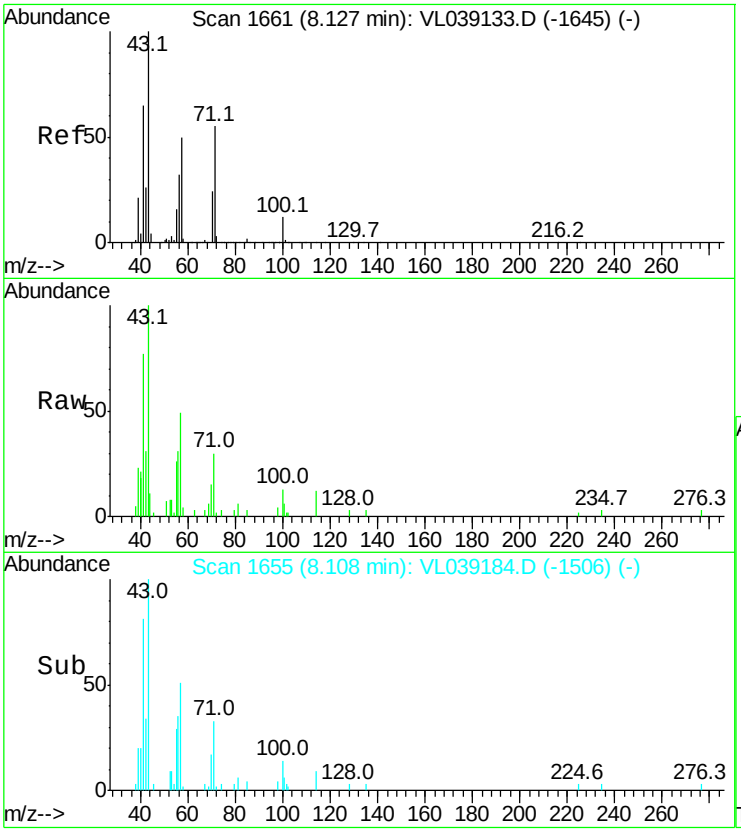


#9
Propene
Concen: 0.07 ppbv
RT: 3.02 min Scan# 72
Delta R.T. -0.00 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 41 Resp: 4677

Ion	Ratio	Lower	Upper
41	100		
42	173.8	55.4	83.2#



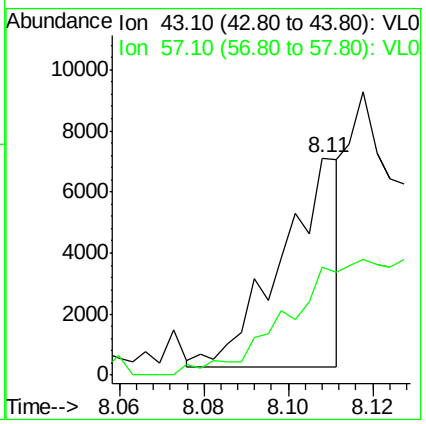


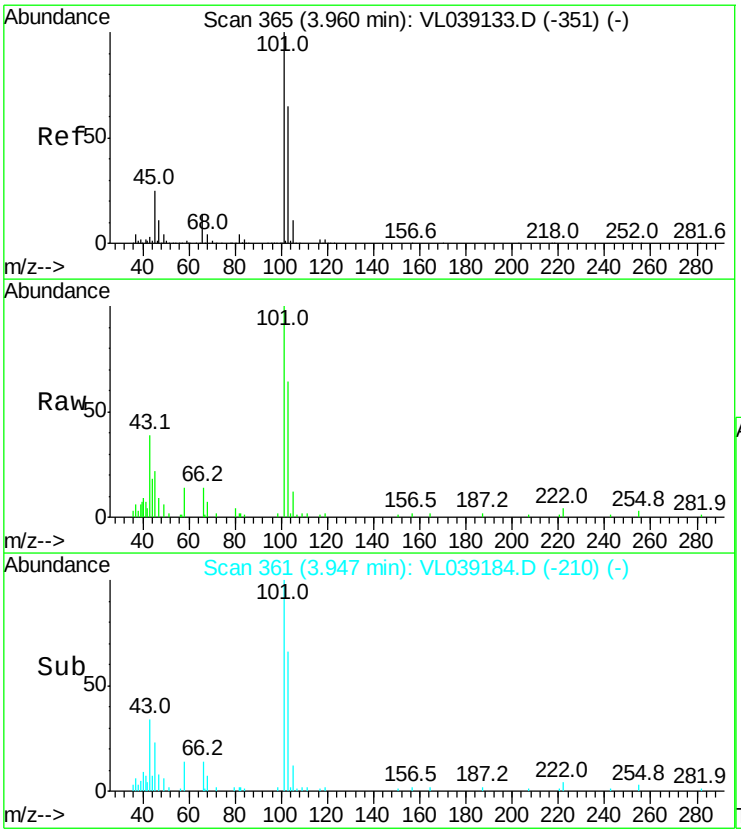
#10
Heptane
Concen: 0.04 ppbv
RT: 8.11
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 6589

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.2#

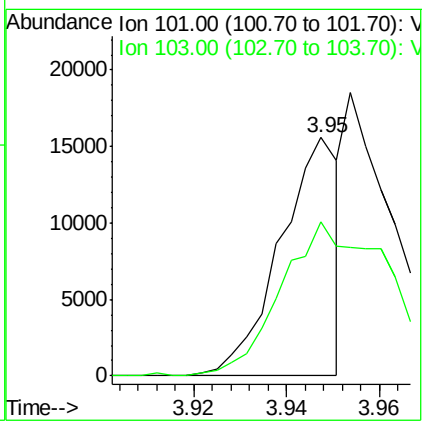


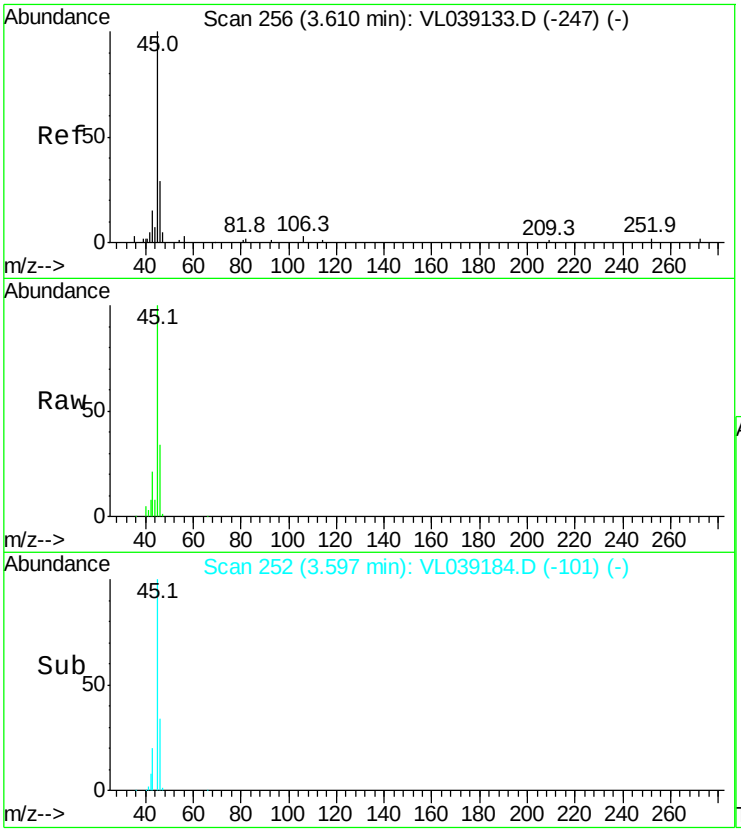


#11
Trichlorofluoromethane
Concen: 0.07 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:101 Resp: 13623

Ion	Ratio	Lower	Upper
101	100		
103	64.5	51.7	77.5



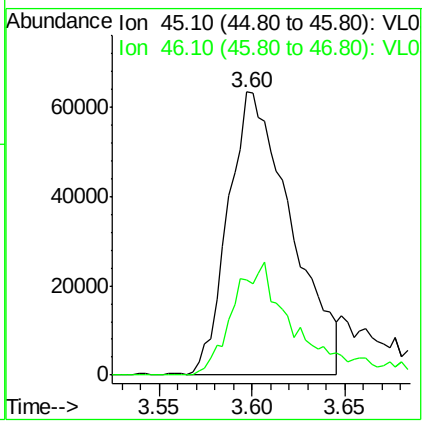


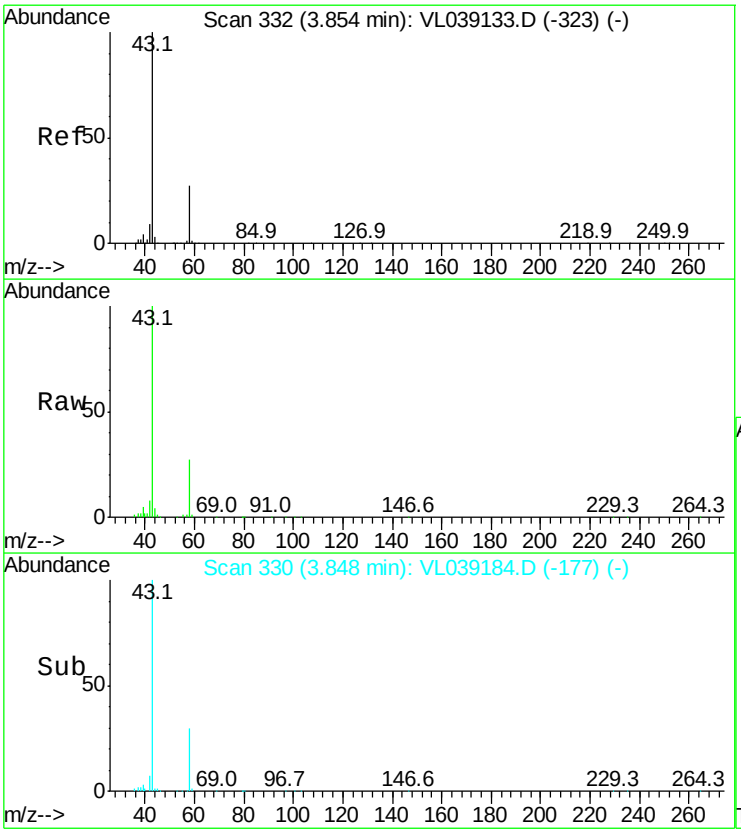
#13
Ethanol
Concen: 39.98 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 45 Resp: 150105

Ion	Ratio	Lower	Upper
45	100		
46	42.3	0.0	0.0#

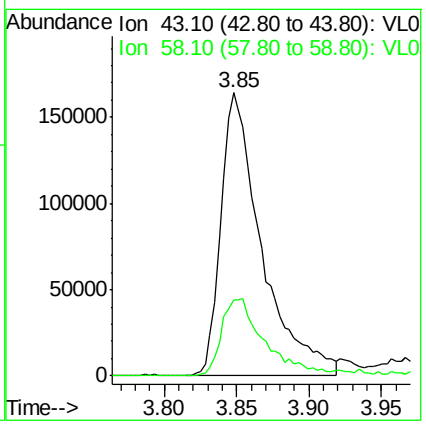


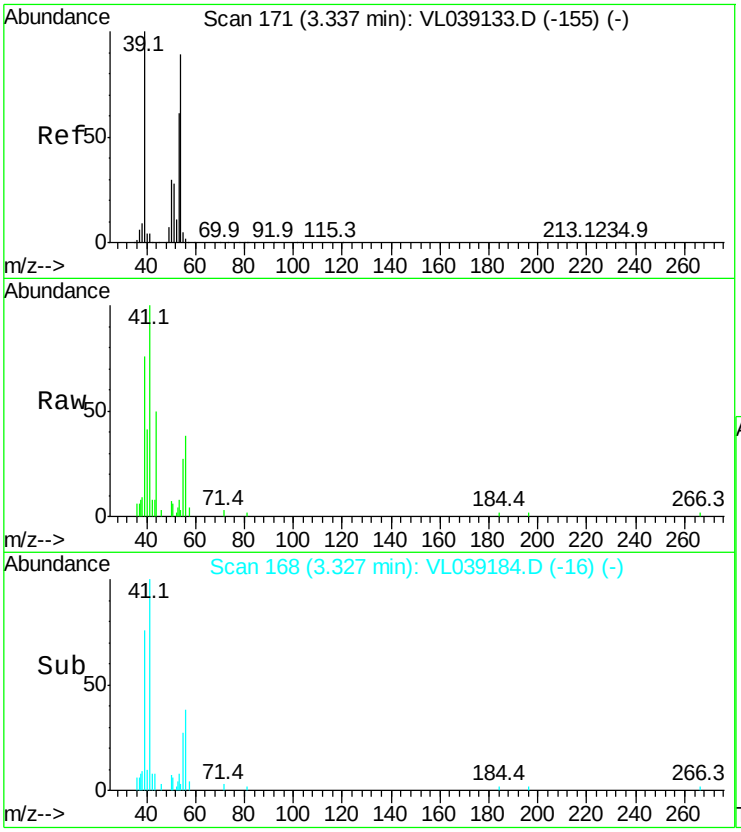


#15
Acetone
Concen: 2.47 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 43 Resp: 319191

Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.5	33.7



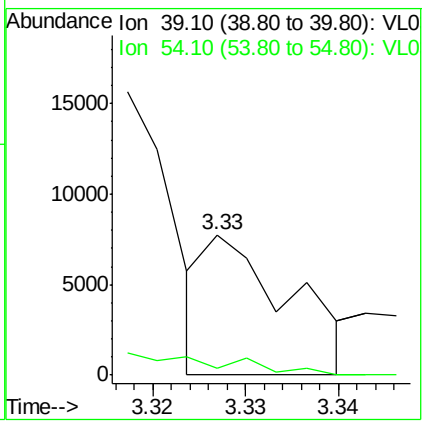


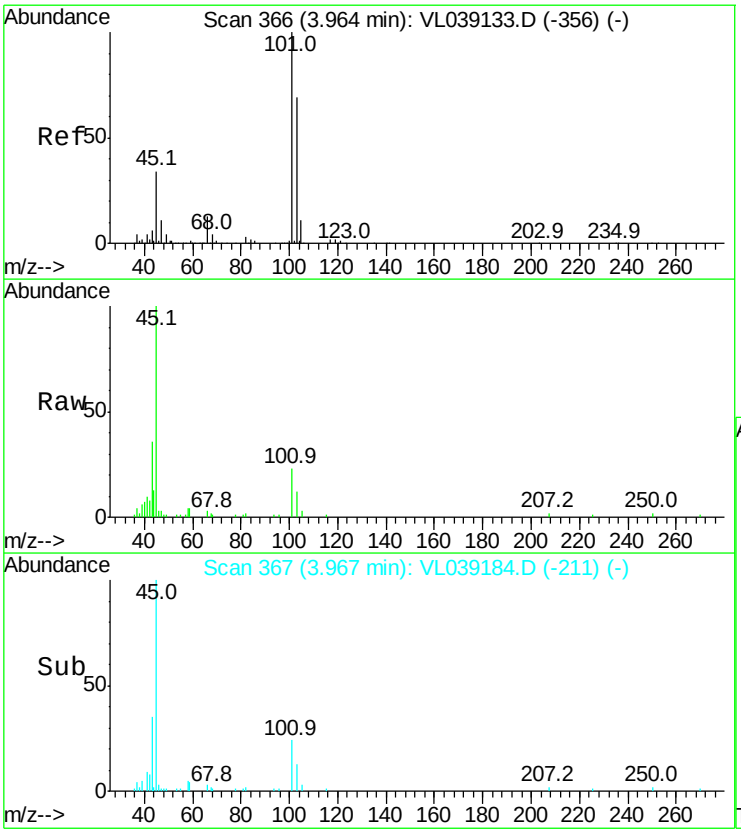
#16
1,3-Butadiene
Concen: 0.07 ppbv
RT: 3.33
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 39 Resp: 4962

Ion	Ratio	Lower	Upper
39	100		
54	0.0	65.8	98.6#

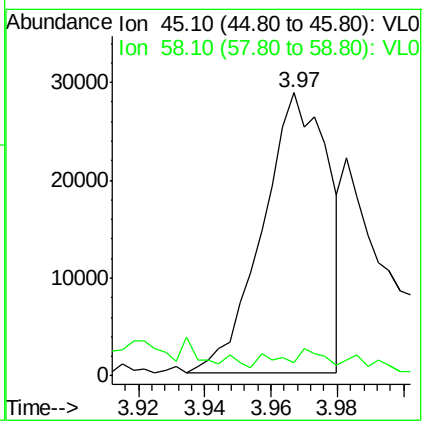


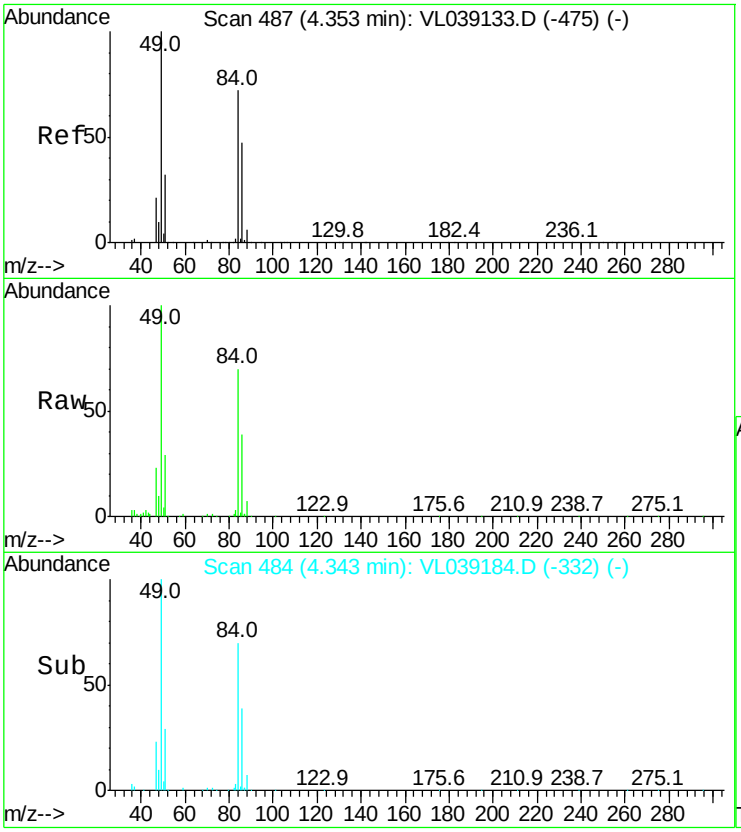


#19
Isopropyl Alcohol
Concen: 0.65 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.00 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 45 Resp: 39529

Ion	Ratio	Lower	Upper
45	100		
58	9.7	1.8	2.8#



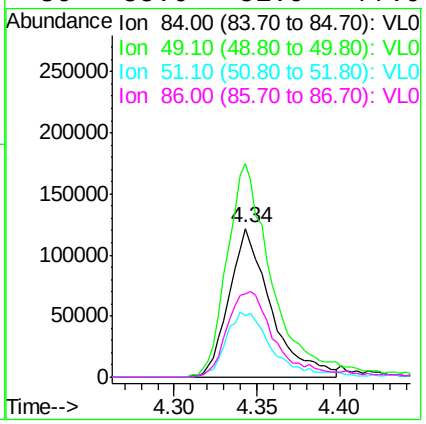


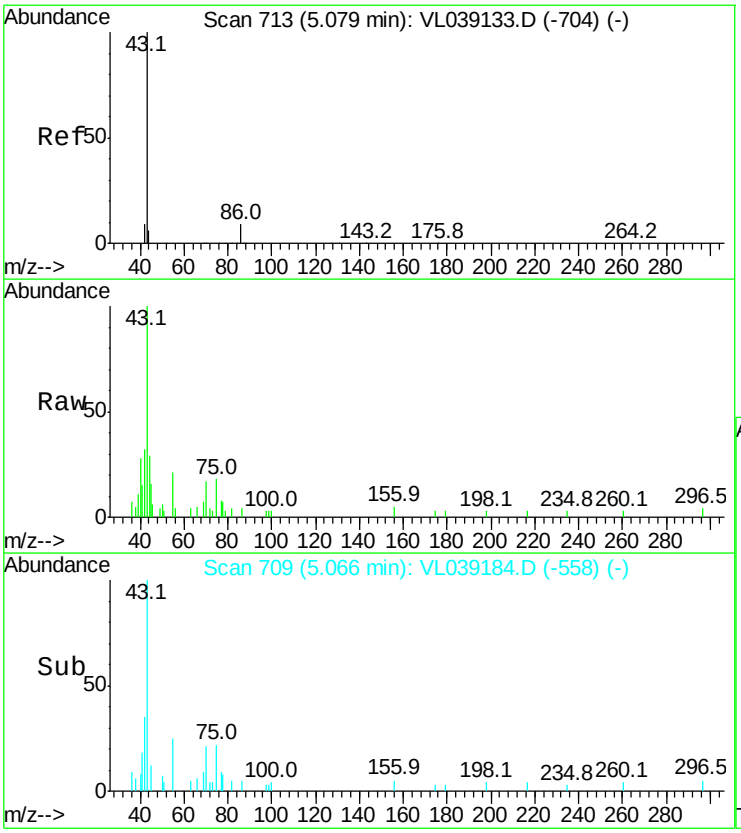
#20
Methylene Chloride
Concen: 3.94 ppbv
RT: 4.34
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 84 Resp: 214501

Ion	Ratio	Lower	Upper
84	100		
49	142.9	111.1	166.7
51	41.3	35.3	52.9
86	55.6	51.9	77.9

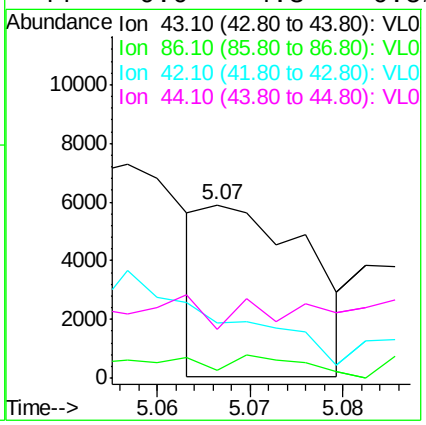


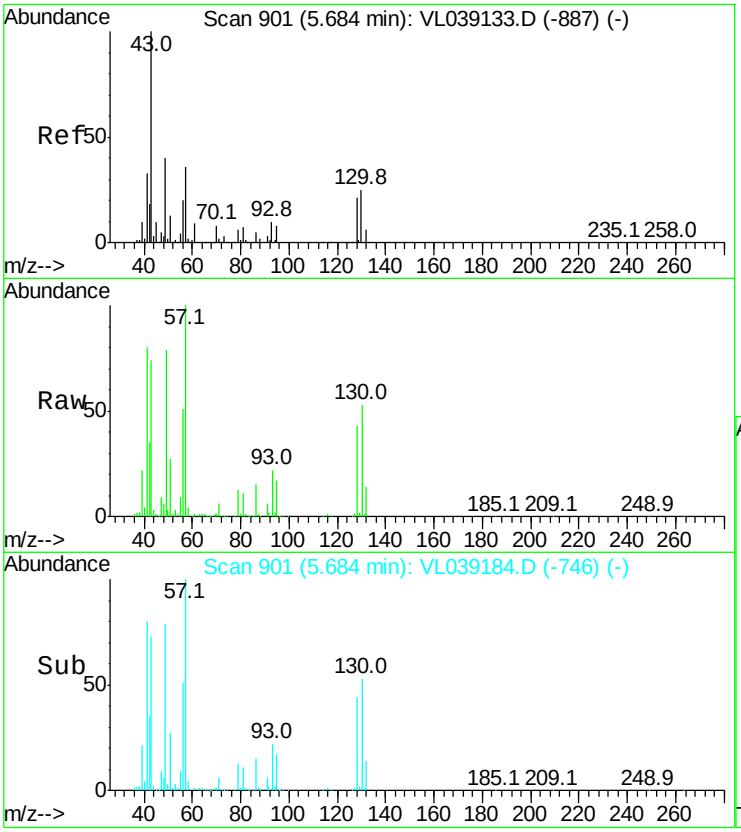


#23
Vinyl Acetate
Concen: 0.04 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 43 Resp: 4566

Ion	Ratio	Lower	Upper
43	100		
86	0.9	6.0	9.0#
42	49.8	8.2	12.4#
44	0.0	4.3	6.5#



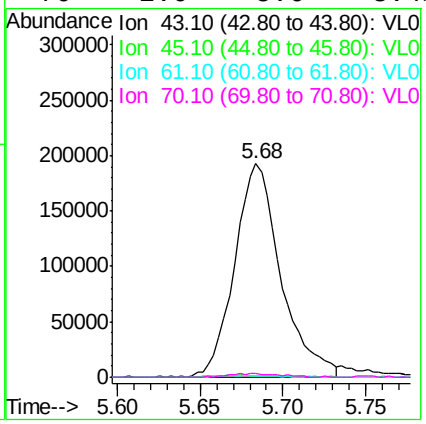


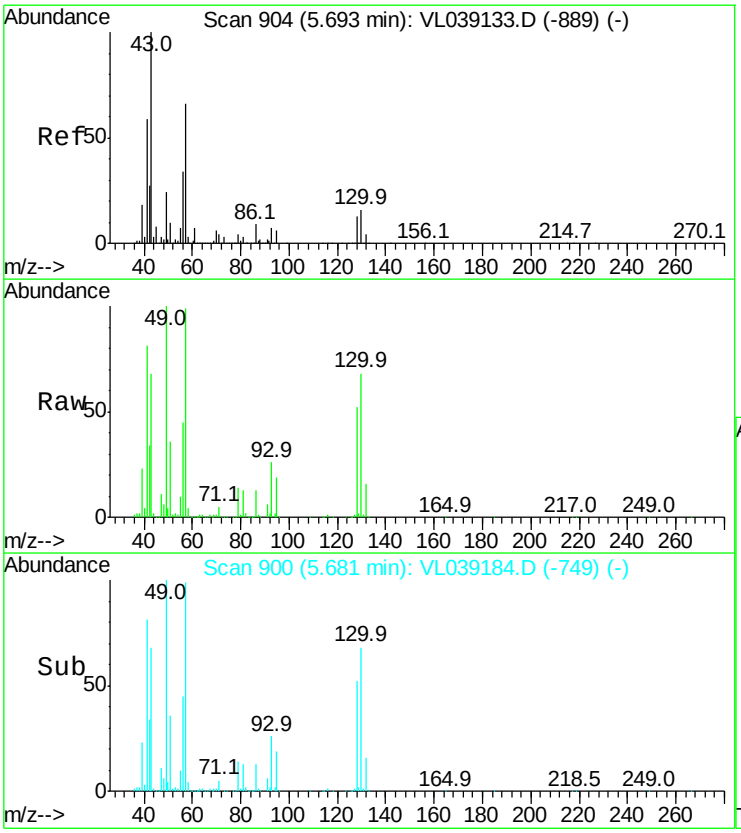
#25
Ethyl Acetate
Concen: 1.28 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 372575

Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.2	12.2#
61	1.1	8.4	12.6#
70	2.0	5.6	8.4#

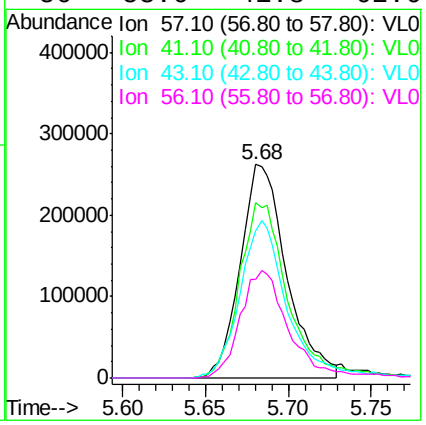


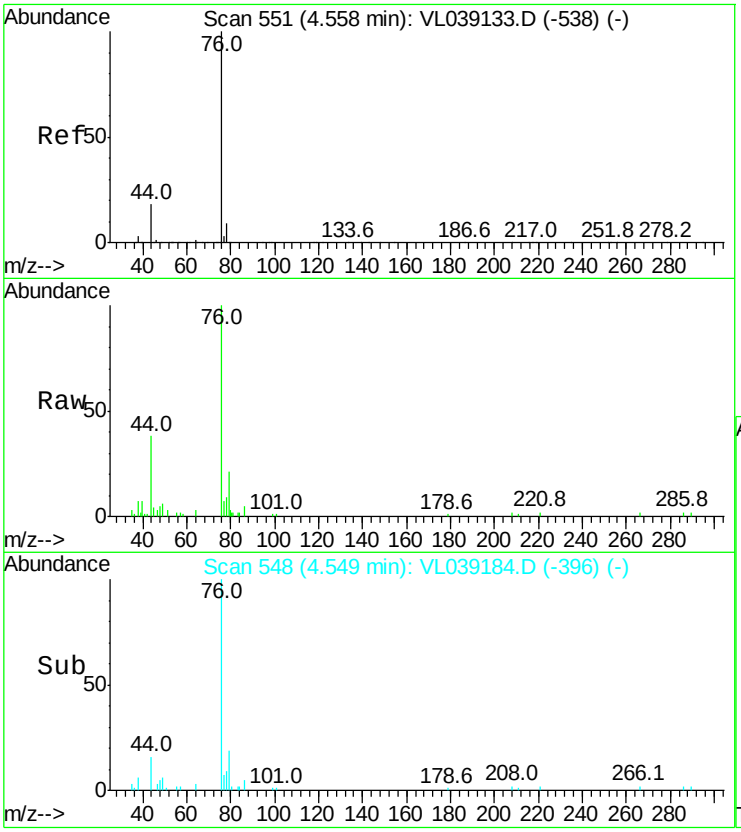


#26
Hexane
Concen: 3.99 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 57 Resp: 510625

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.4	108.6
43	77.0	187.0	280.6#
56	53.6	41.8	62.6



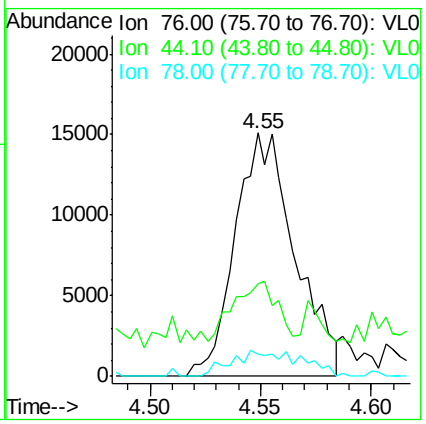


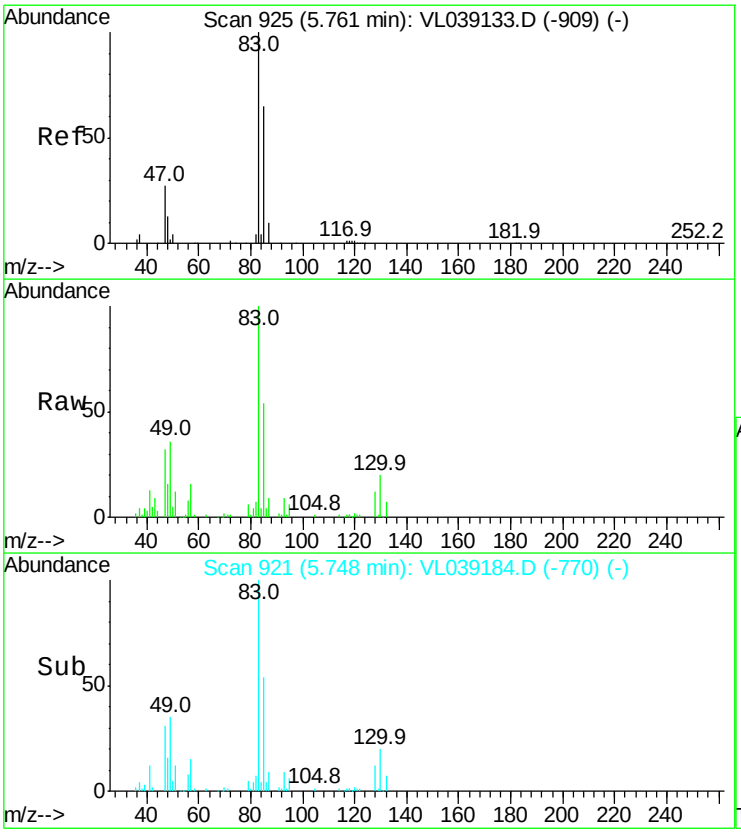
#27
Carbon Disulfide
Concen: 0.21 ppbv
RT: 4.55
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 76 Resp: 28508

Ion	Ratio	Lower	Upper
76	100		
44	27.7	14.4	21.6#
78	12.7	7.7	11.5#

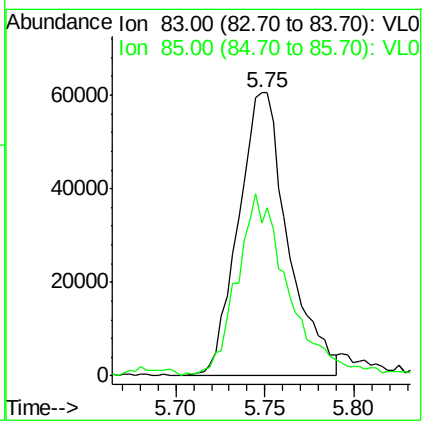


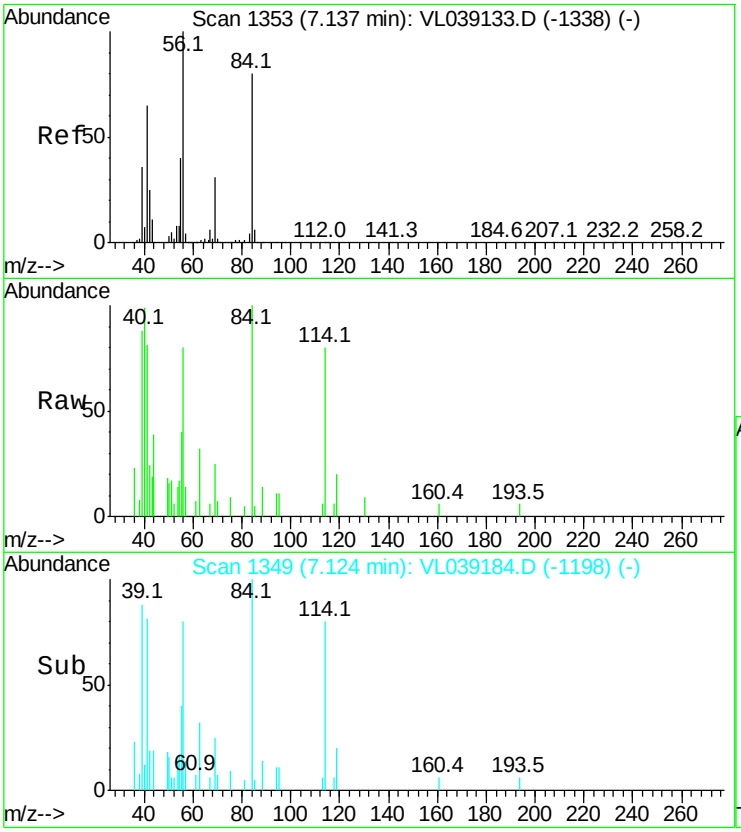


#29
Chloroform
Concen: 0.55 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 83 Resp: 117759

Ion	Ratio	Lower	Upper
83	100		
85	52.8	52.4	78.6



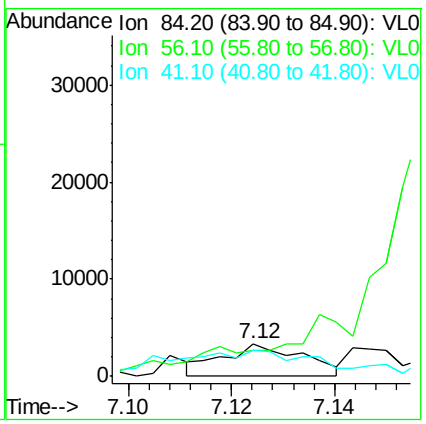


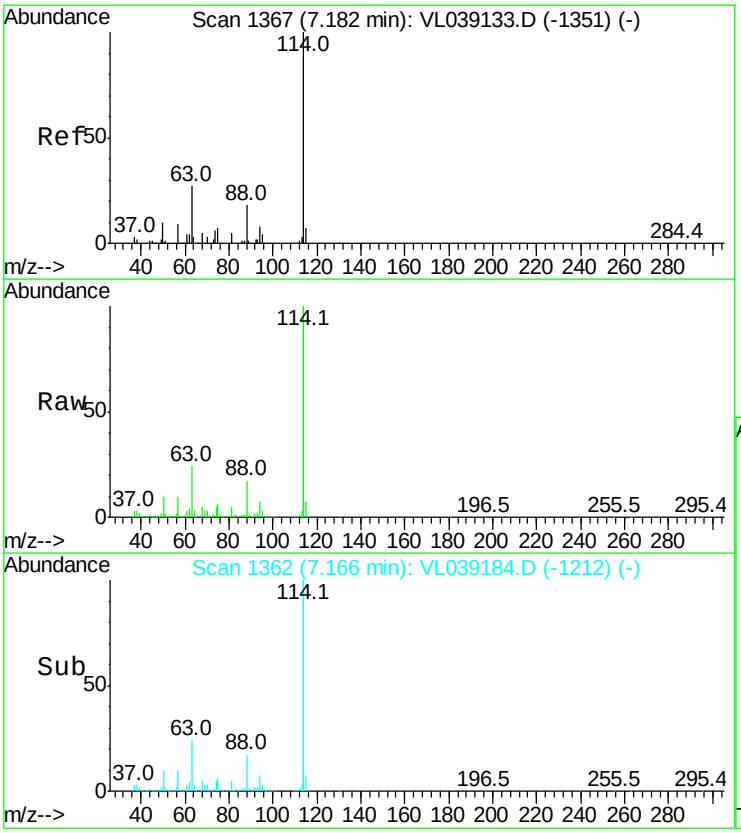
#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.12
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 84 Resp: 3641

Ion	Ratio	Lower	Upper
84	100		
56	0.0	110.6	165.8#
41	203.4	68.9	103.3#

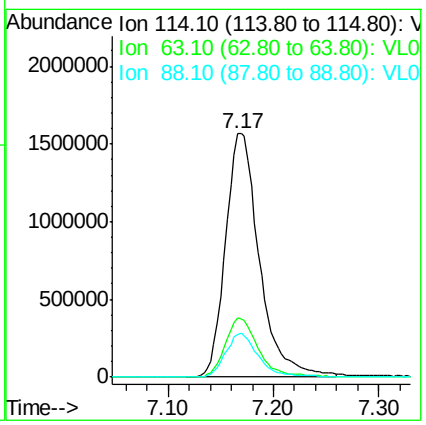


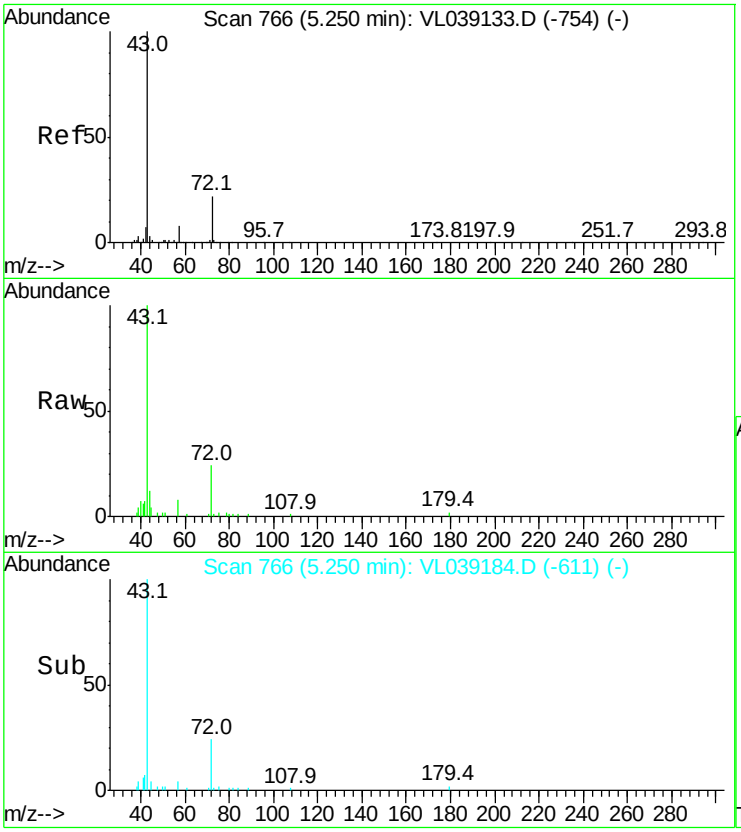


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:114 Resp: 3487514

Ion	Ratio	Lower	Upper
114	100		
63	24.3	21.7	32.5
88	17.8	14.8	22.2



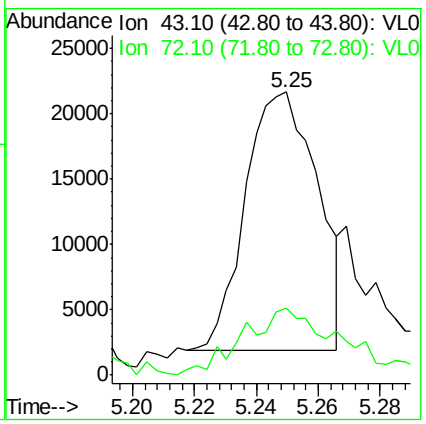


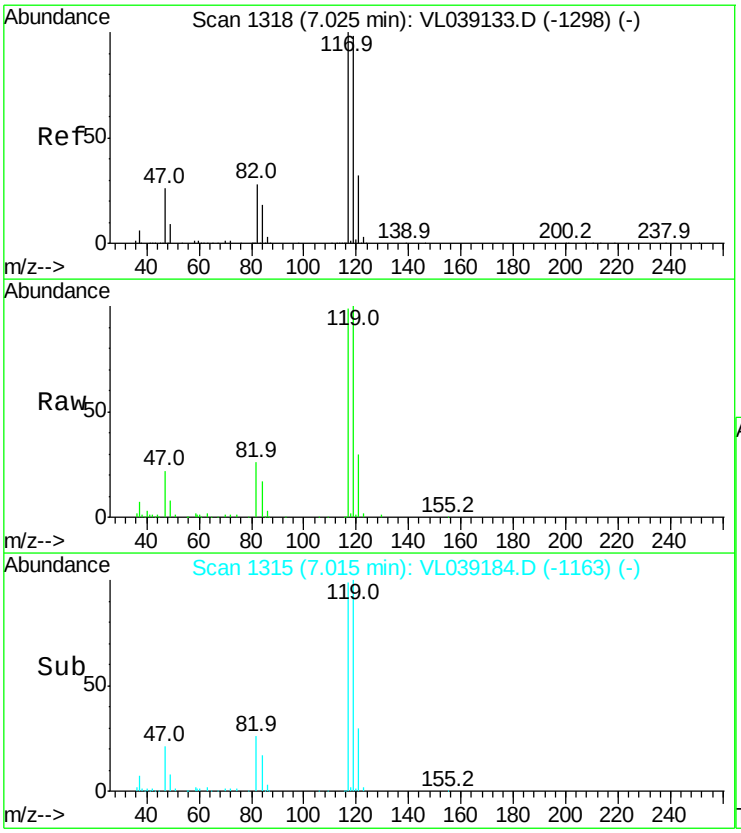
#34
2-Butanone
Concen: 0.17 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 43 Resp: 32119

Ion	Ratio	Lower	Upper
43	100		
72	39.5	18.2	27.2#

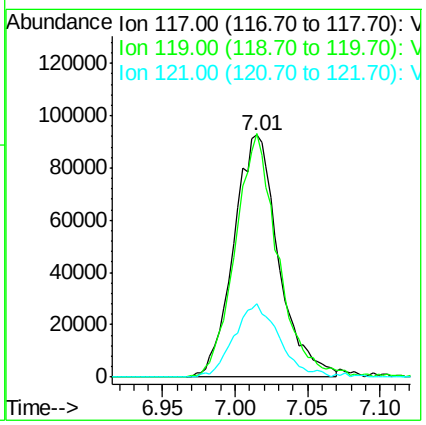


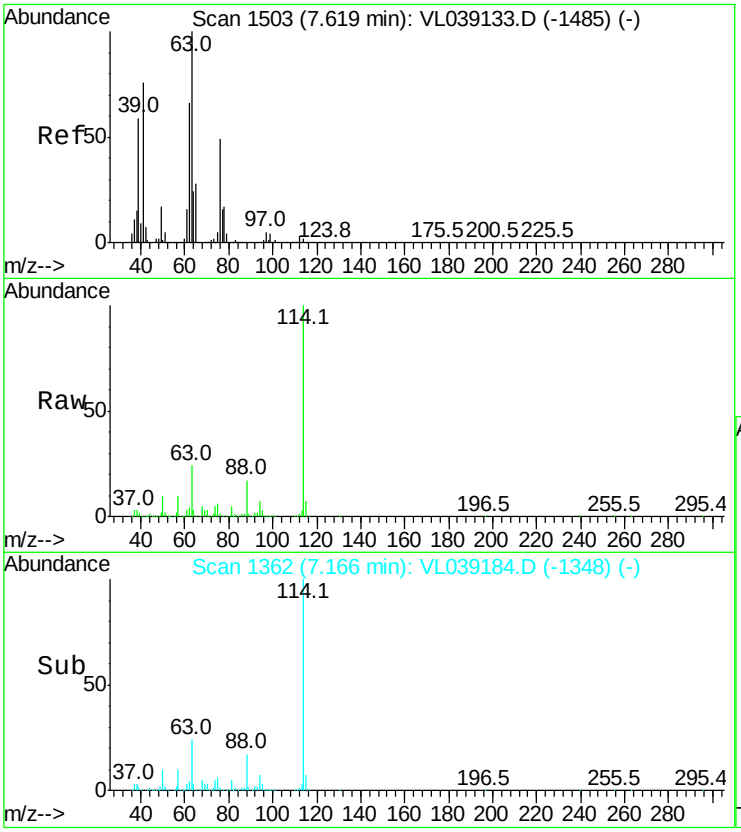


#35
Carbon Tetrachloride
Concen: 0.78 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:117 Resp: 198607

Ion	Ratio	Lower	Upper
117	100		
119	100.6	78.6	118.0
121	30.5	25.4	38.0



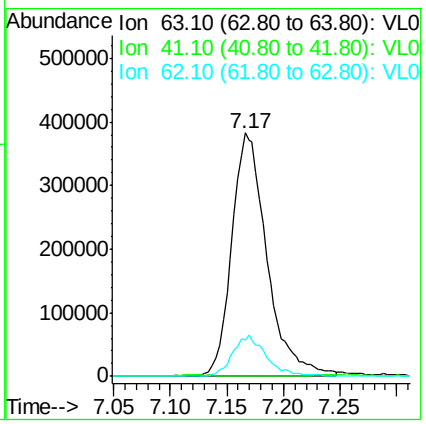


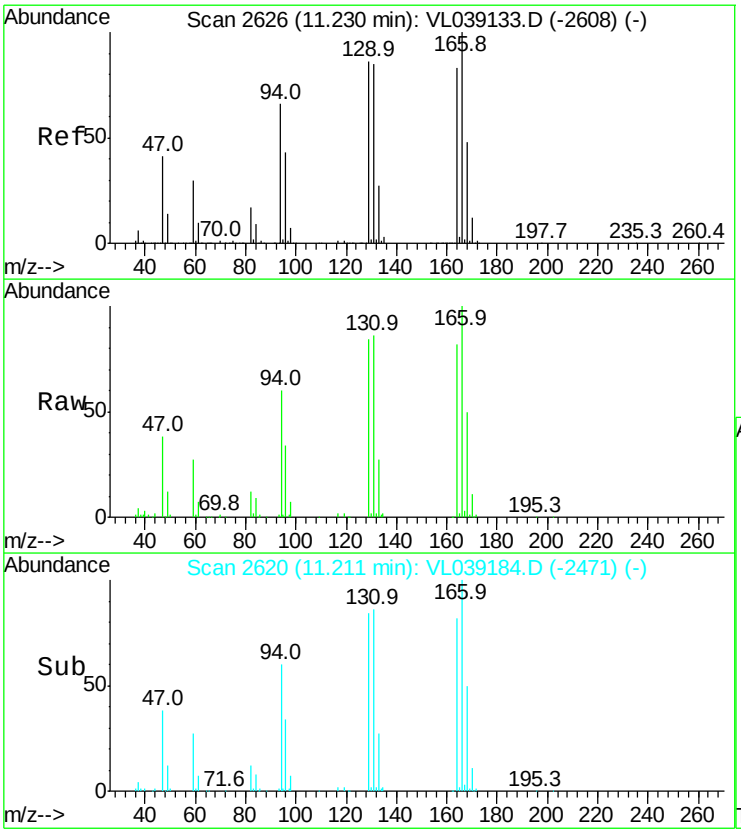
#39
1,2-Dichloropropane
Concen: 7.34 ppbv
RT: 7.17
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 63 Resp: 826950

Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	15.2	52.9	79.3#

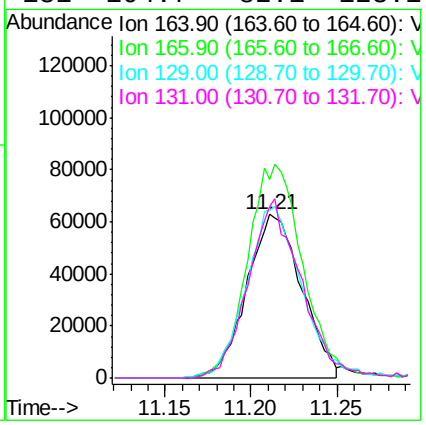


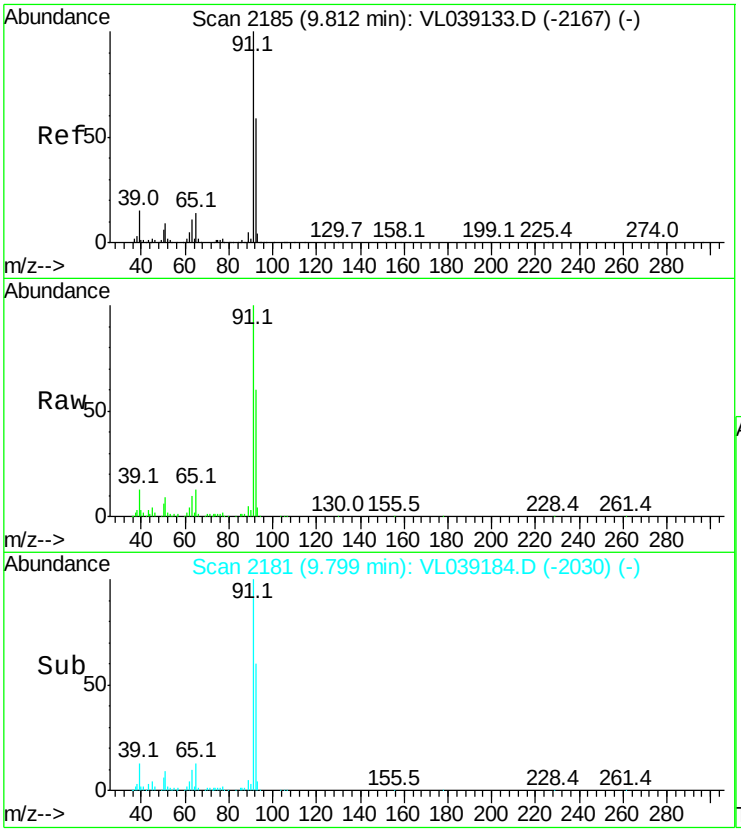


#52
Tetrachloroethene
Concen: 1.26 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.02 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:164 Resp: 139171

Ion	Ratio	Lower	Upper
164	100		
166	120.9	96.3	144.5
129	101.3	82.5	123.7
131	104.7	82.1	123.1



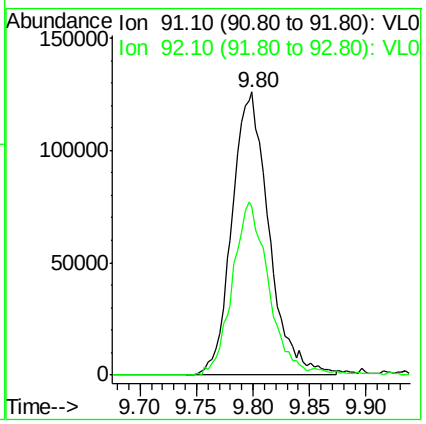


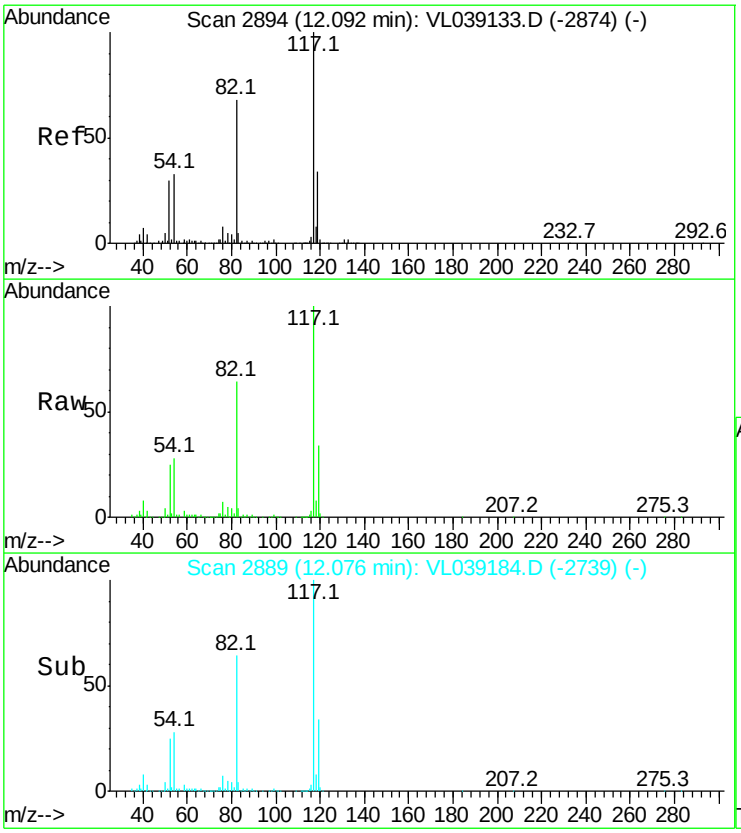
#53
Toluene
Concen: 0.88 ppbv
RT: 9.80
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 286502

Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.1	72.1

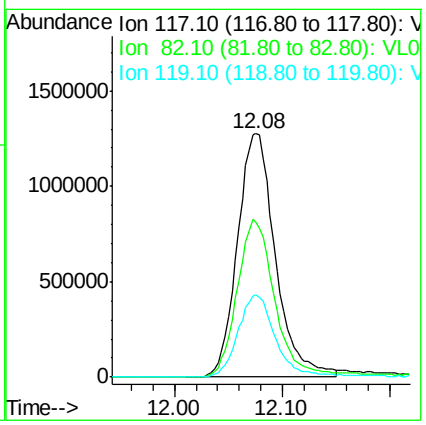


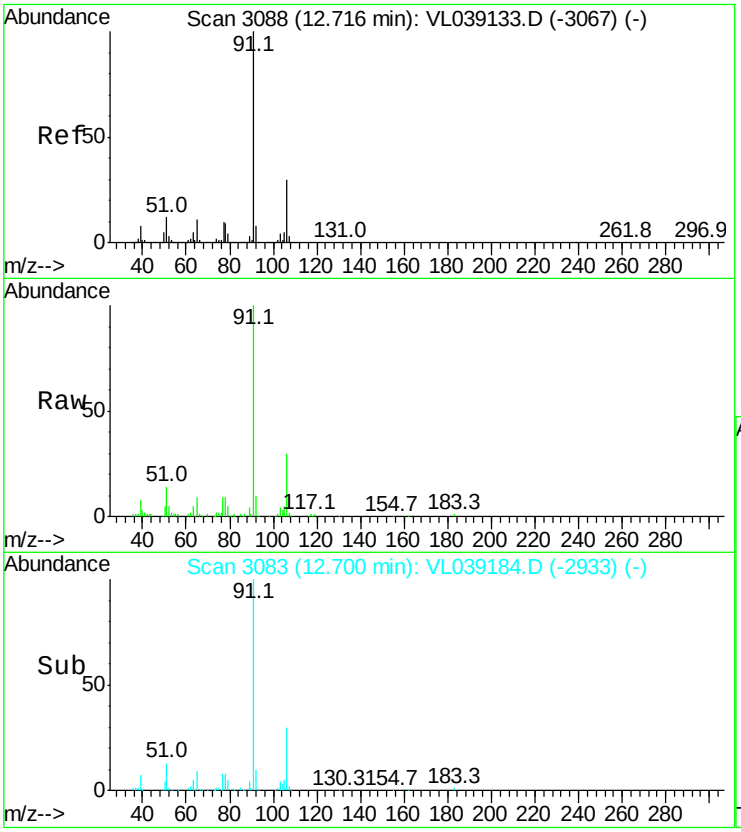


#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.02 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:117 Resp: 3122993

Ion	Ratio	Lower	Upper
117	100		
82	66.5	55.1	82.7
119	34.2	24.7	37.1



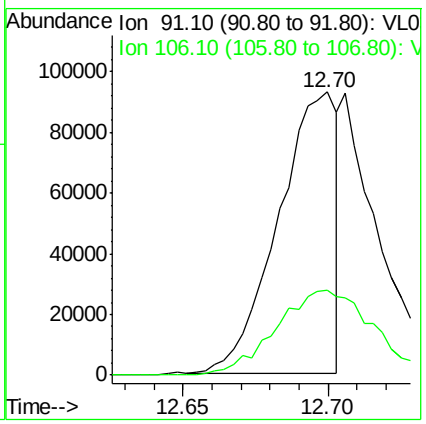


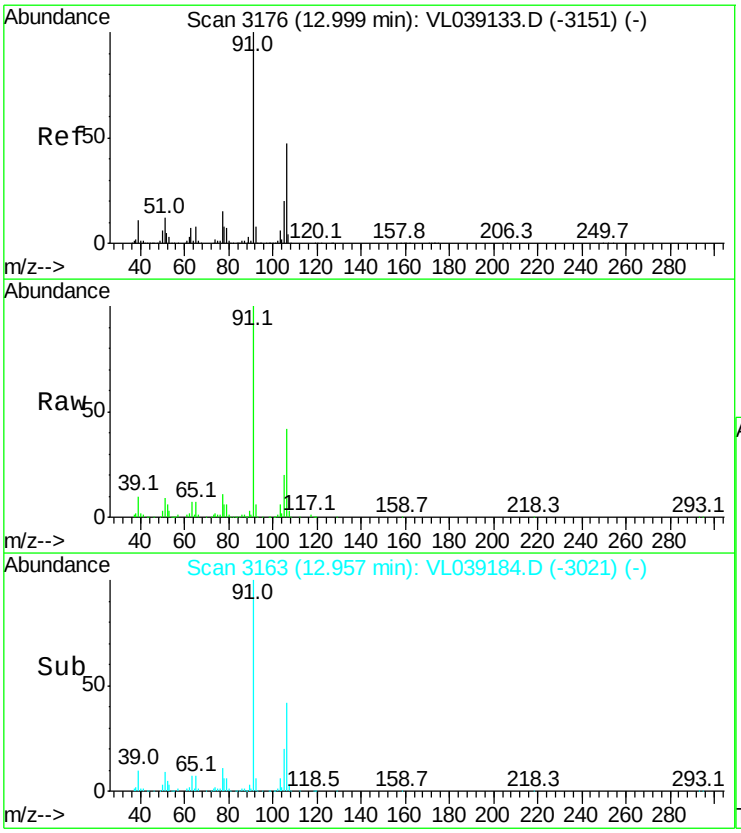
#58
Ethyl Benzene
Concen: 0.30 ppbv
RT: 12.70
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 130082

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.2	36.4

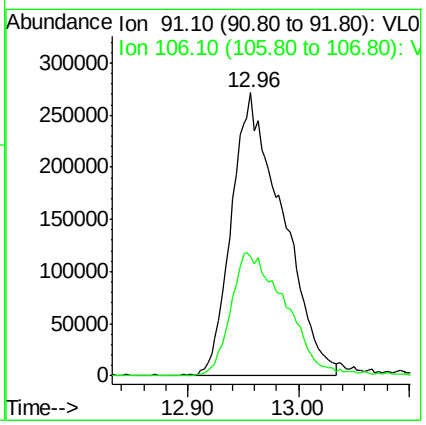


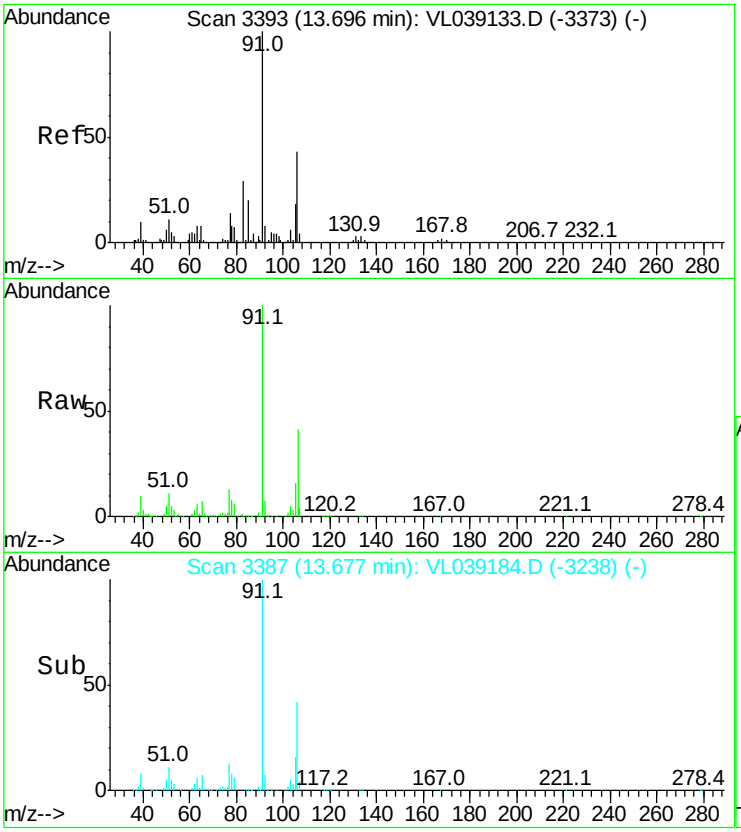


#59
m/p-Xylene
Concen: 2.29 ppbv
RT: 12.96 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 91 Resp: 865866

Ion	Ratio	Lower	Upper
91	100		
106	47.9	34.3	51.5



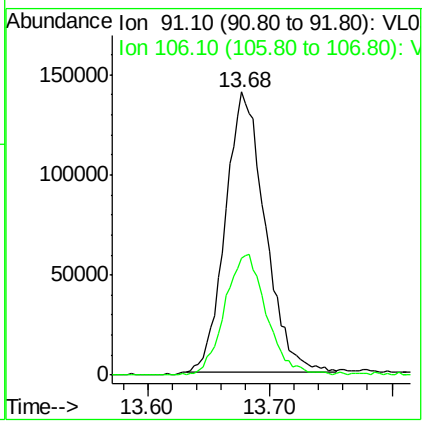


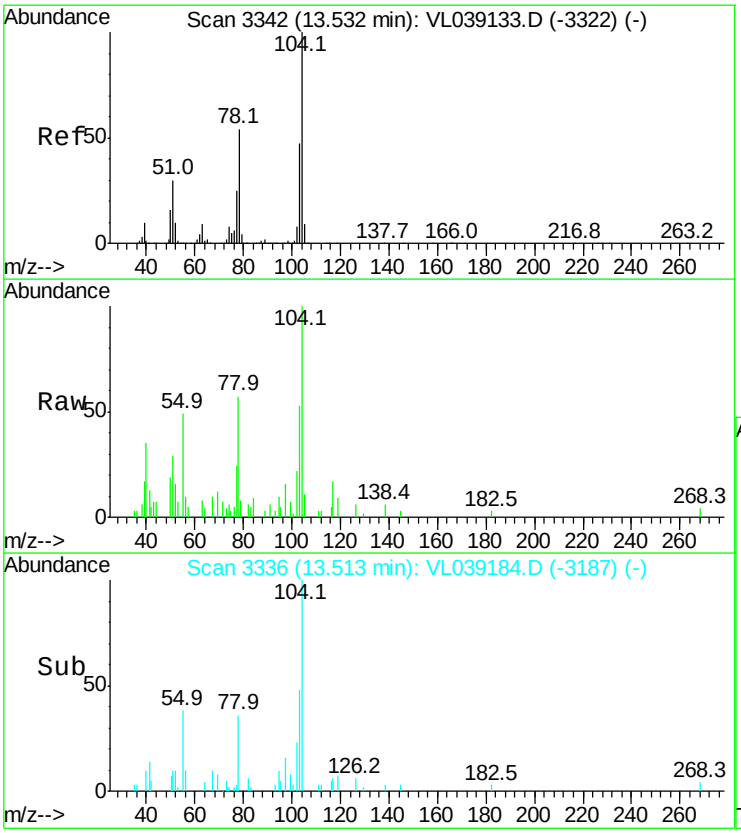
#60
o-Xylene
Concen: 0.89 ppbv
RT: 13.68
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 91 Resp: 318503

Ion	Ratio	Lower	Upper
91	100		
106	45.0	22.3	66.9

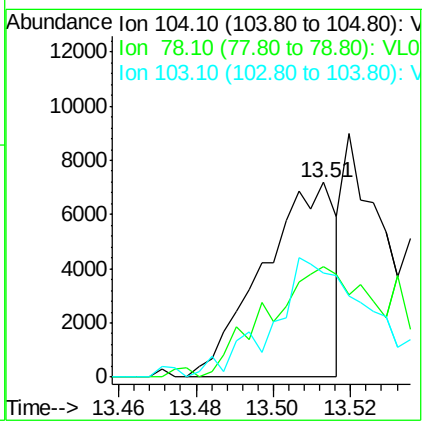


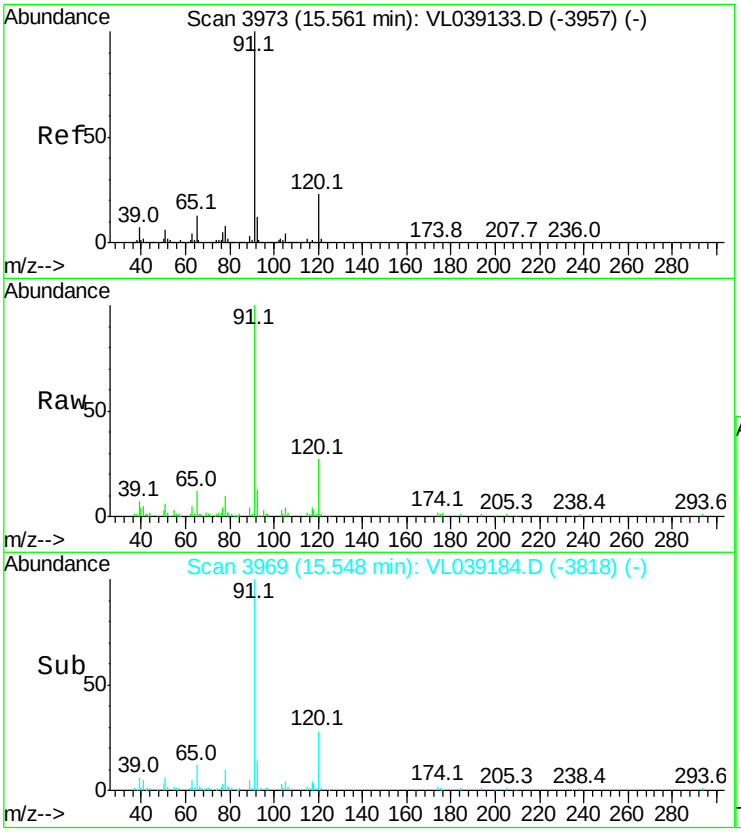


#61
Styrene
Concen: 0.05 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.02 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:104 Resp: 9410

Ion	Ratio	Lower	Upper
104	100		
78	109.9	45.7	68.5#
103	92.4	39.6	59.4#



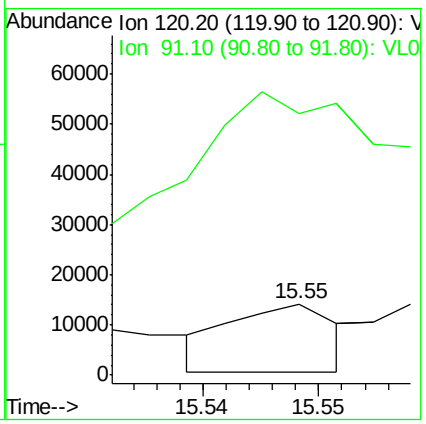


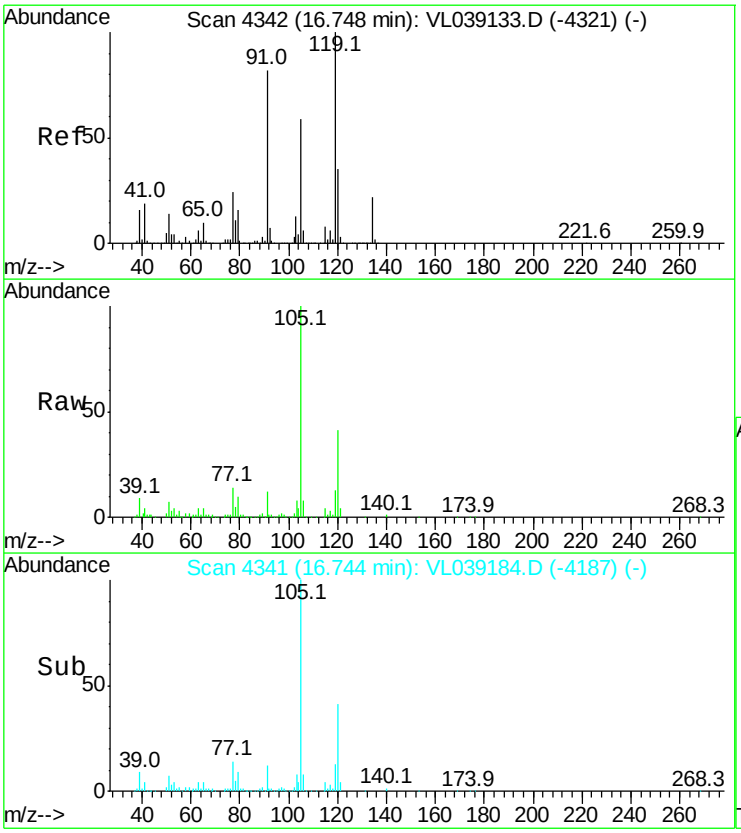
#64
n-propylbenzene
Concen: 0.07 ppbv
RT: 15.55
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:120 Resp: 8604

Ion	Ratio	Lower	Upper
120	100		
91	1494.5	388.4	582.6#

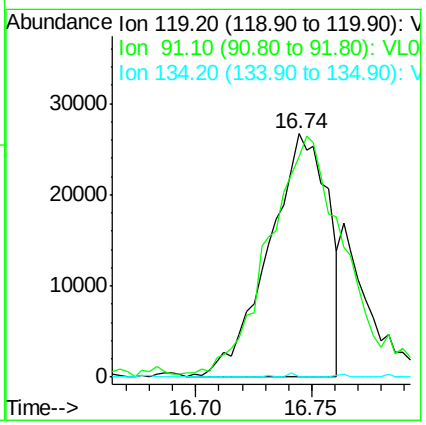


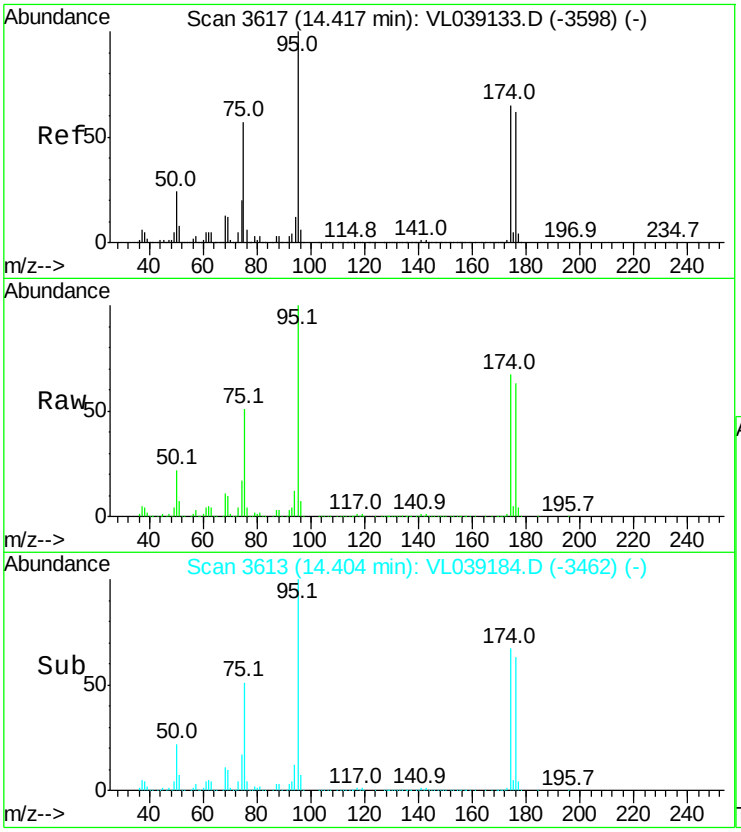


#65
tert-Butylbenzene
Concen: 0.10 ppbv
RT: 16.74 min Scan# 4341
Delta R.T. -0.00 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:119 Resp: 47408

Ion	Ratio	Lower	Upper
119	100		
91	128.2	67.1	100.7#
134	0.0	15.8	23.8#



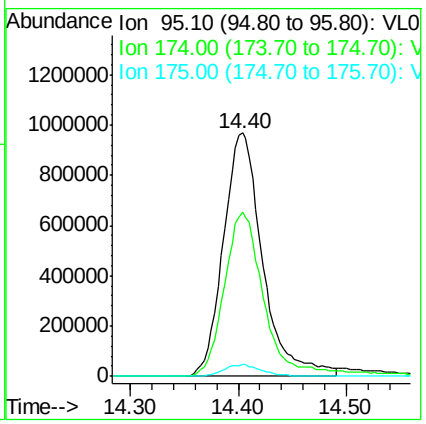


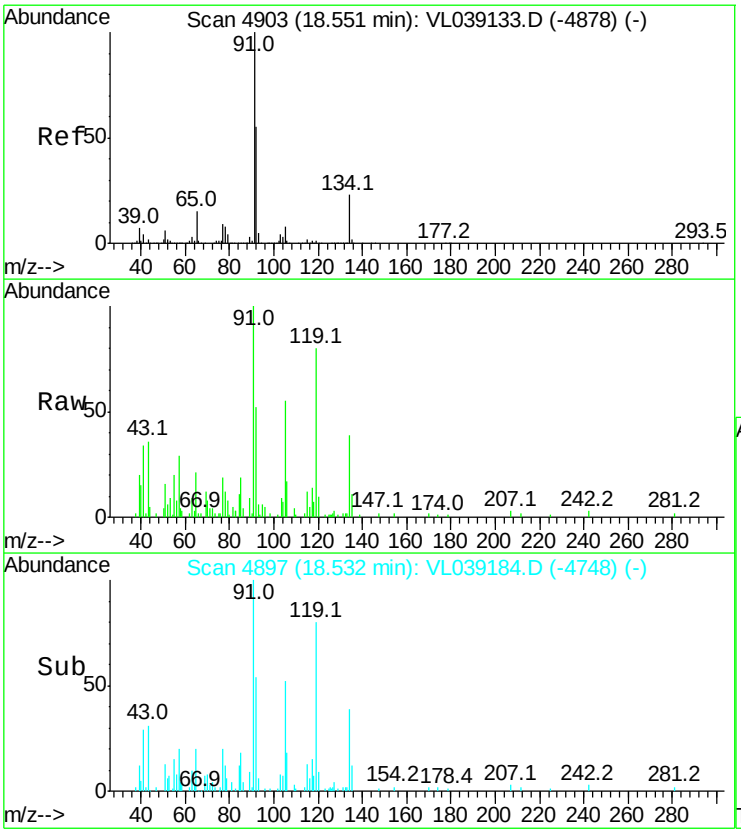
#68
1-Bromo-4-Fluorobenzene
Concen: 9.47 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion: 95 Resp: 2444398

Ion	Ratio	Lower	Upper
95	100		
174	70.9	53.8	80.8
175	4.8	4.1	6.1

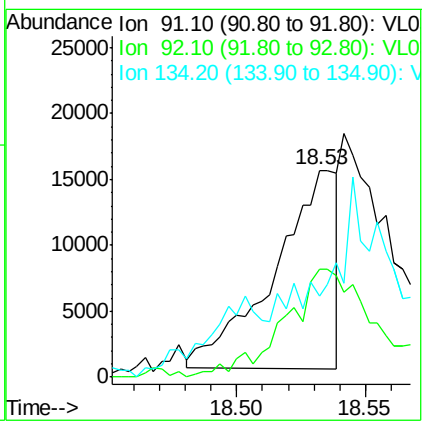


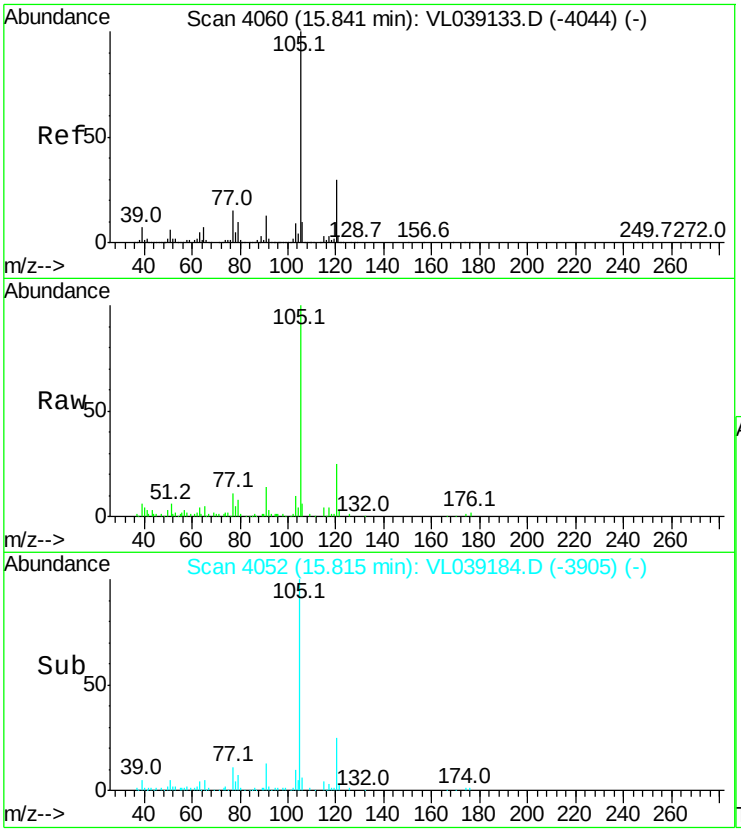


#70
n-Butylbenzene
Concen: 0.04 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. -0.02 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion: 91 Resp: 25376

Ion	Ratio	Lower	Upper
91	100		
92	84.0	43.6	65.4#
134	0.0	17.7	26.5#



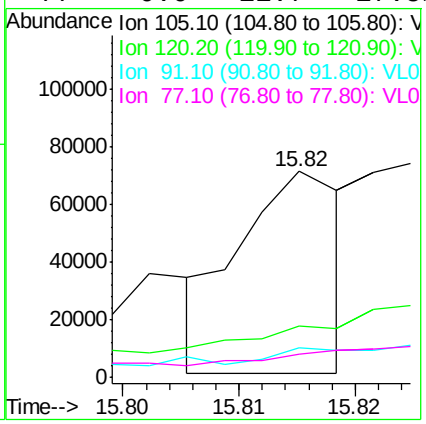


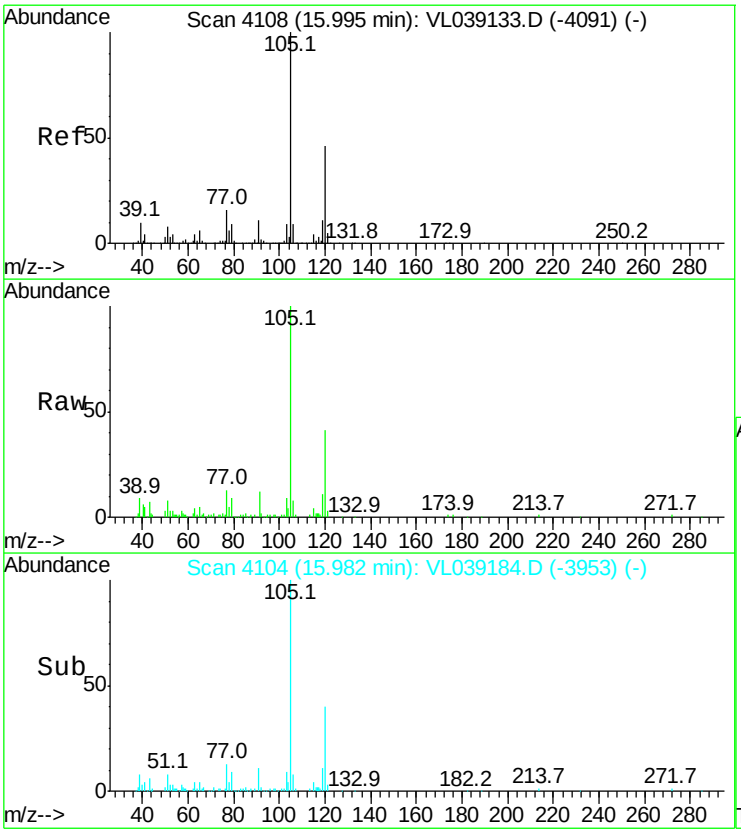
#72
4-Ethyltoluene
Concen: 0.10 ppbv
RT: 15.82
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:105 Resp: 43405

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

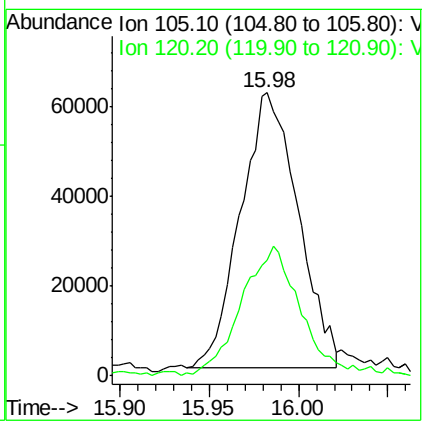


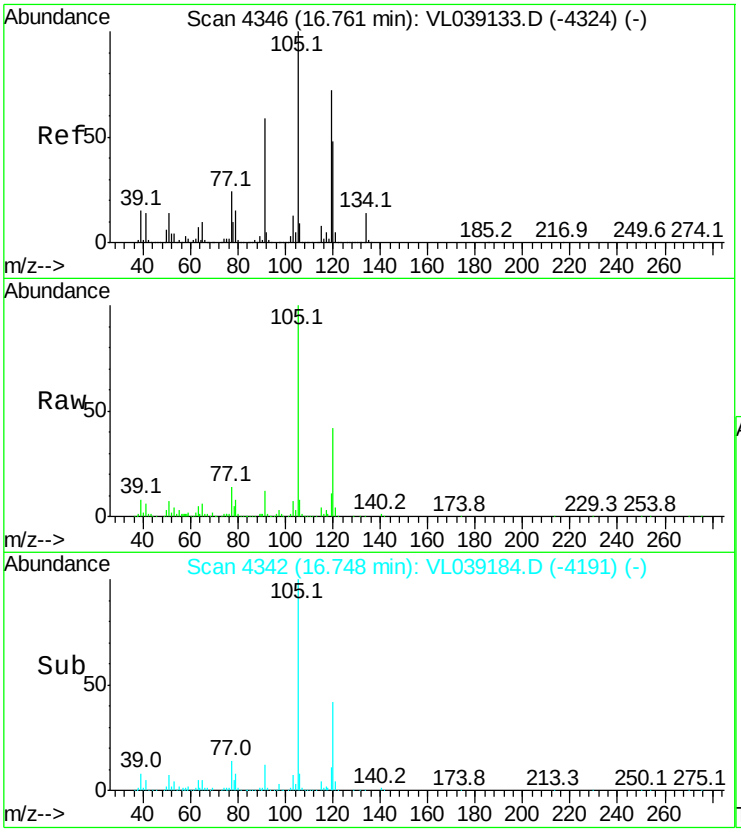


#73
1,3,5-Trimethylbenzene
Concen: 0.36 ppbv
RT: 15.98 min Scan# 4104
Delta R.T. -0.01 min
Lab File: VL039184.D
Acq: 6 Jun 2022 13:34

Tgt Ion:105 Resp: 137185

Ion	Ratio	Lower	Upper
105	100		
120	41.1	36.7	55.1





#74
1,2,4-Trimethylbenzene
Concen: 1.25 ppbv
RT: 16.75
Delta R.T
Lab File:
Acq: 6 Jun 2022 13:34

Instrument :
MSVOA_L
ClientSampleId :
SG-4

Tgt Ion:105 Resp: 526220

Ion	Ratio	Lower	Upper
105	100		
120	42.2	38.1	57.1
91	12.0	47.4	71.0#
77	14.1	19.5	29.3#