Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039182.D
Acq On : 6 Jun 2022 12:16
Operator : SY/AP
Sample : N3110-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SG-11DL

Quant Time: Jun 06 12:49:10 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	1308544	10.00	ppbv		-0.01
33) 1,4-Difluorobenzene	7.17	114	3614320	10.00	ppbv		-0.02
55) Chlorobenzene-d5	12.07	117	3234314	10.00	ppbv		-0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2507080	9.38	ppbv		-0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.05	85	27360	0.12	ppbv		90
3) Chlorodifluoromethane	2.99	51	18584	0.11	ppbv	#	88
4) Chloromethane	3.14	50	18040	0.21	ppbv	#	88
9) Propene	3.02	41	19435	0.27	ppbv		100
10) Heptane	8.10	43	9156	0.05	ppbv	#	26
11) Trichlorofluoromethane	3.95	101	146312	0.70	ppbv		100
12) 1,1,2-Trichlorotrifluoroet	4.48	101	19414	0.14	ppbv		91
13) Ethanol	3.60	45	64971	16.41	ppbv	#	100
15) Acetone	3.85	43	355975	2.61	ppbv		90
17) tert-Butyl alcohol	4.29	59	7637	0.07	ppbv	#	18
20) Methylene Chloride	4.34	84	210505	3.66	ppbv		94
23) Vinyl Acetate	5.06	43	20659	0.18	ppbv	#	89
25) Ethyl Acetate	5.68	43	294065	0.96	ppbv	#	79
26) Hexane	5.68	57	415554	3.08	ppbv	#	39
27) Carbon Disulfide	4.55	76	28084	0.20	ppbv	#	59
29) Chloroform	5.74	83	52140	0.23	ppbv		95
34) 2-Butanone	5.25	43	88871	0.45	ppbv	#	88
36) Benzene	6.88	78	26775	0.09	ppbv	#	91
38) Trichloroethene	7.82	130	8247	0.06	ppbv	#	62
39) 1,2-Dichloropropane	7.23	63	9915	0.08	ppbv	#	30
52) Tetrachloroethene	11.20	164	64127	0.56	ppbv		95
53) Toluene	9.79	91	98413	0.29	ppbv	#	21
58) Ethyl Benzene	12.70	91	145729	0.33	ppbv		94
59) m/p-Xylene	12.97	91	230996	0.59	ppbv	#	33
60) o-Xylene	13.67	91	104507	0.28	ppbv	#	31
61) Styrene	13.51	104	6404	0.03	ppbv	#	1
64) n-propylbenzene	15.55	120	13628	0.10	ppbv	#	1
70) n-Butylbenzene	18.54	91	32394	0.05	ppbv	#	72
72) 4-Ethyltoluene	15.82	105	147563	0.34	ppbv		97
73) 1,3,5-Trimethylbenzene	15.98	105	120022	0.31	ppbv	#	84
74) 1,2,4-Trimethylbenzene	16.74	105	479231	1.10	ppbv	#	64

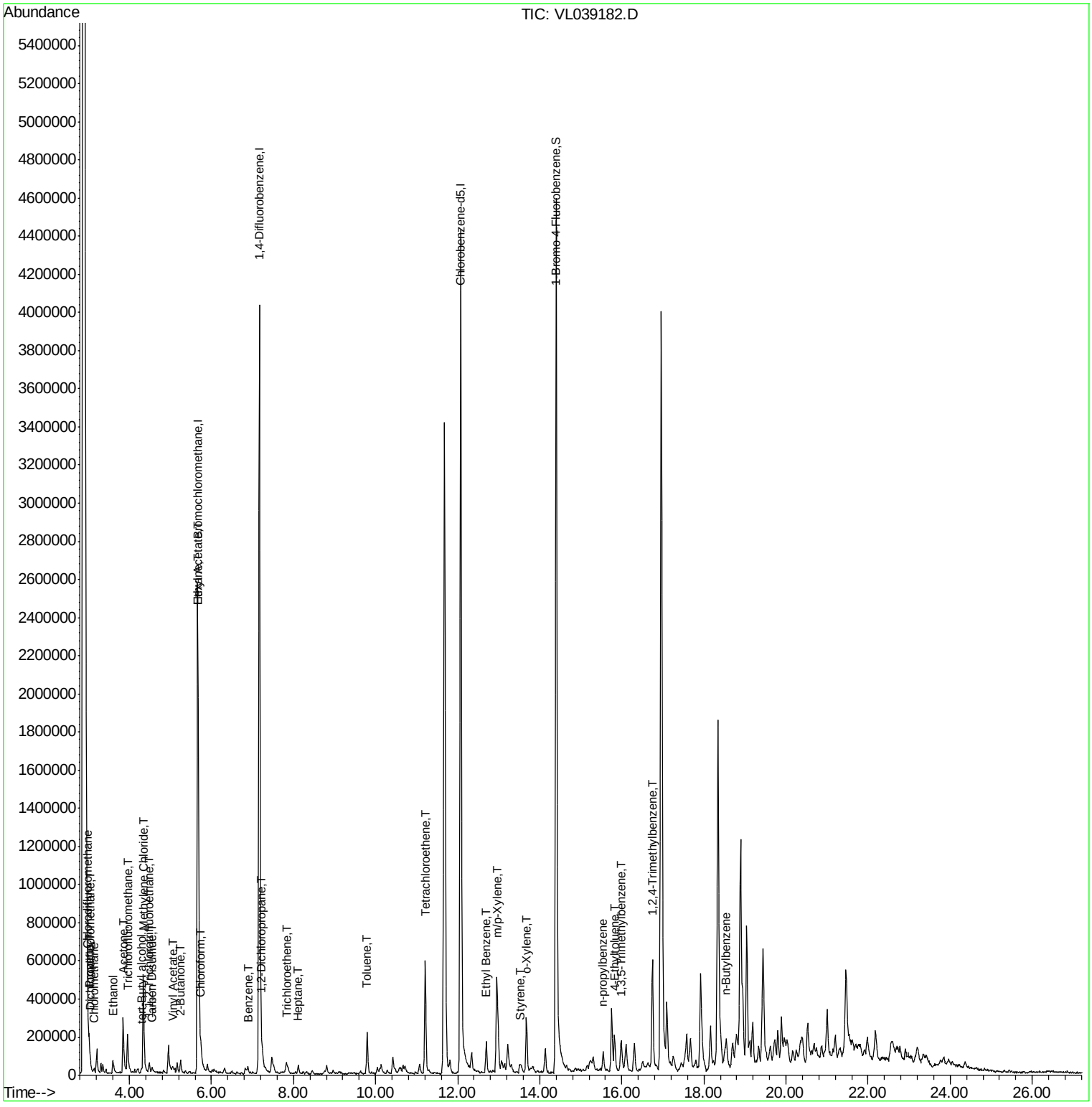
(#) = qualifier out of range (m) = manual integration (+) = signals summed

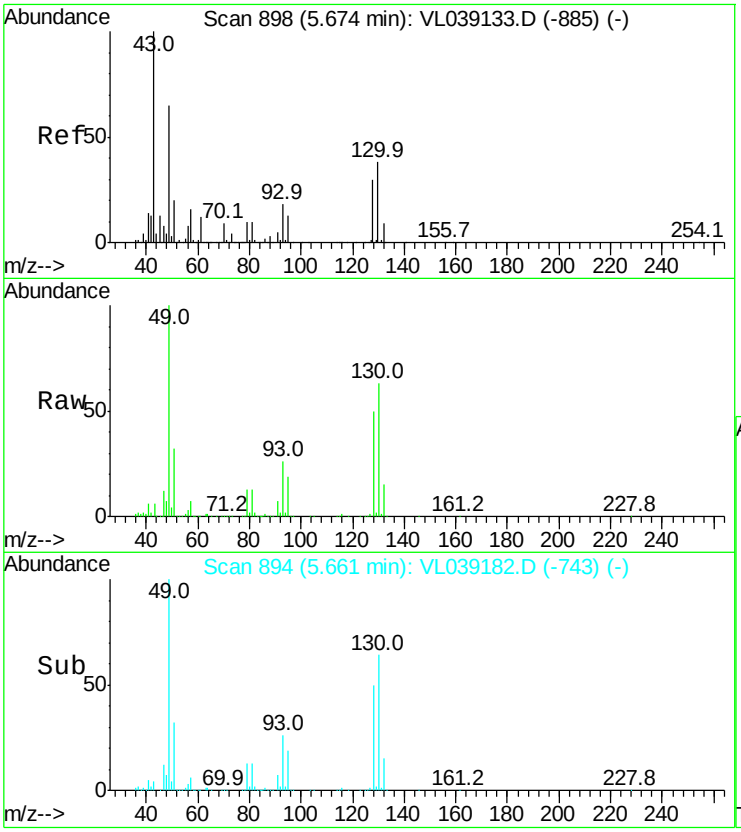
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039182.D
Acq On : 6 Jun 2022 12:16
Operator : SY/AP
Sample : N3110-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Quant Time: Jun 06 12:49:10 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



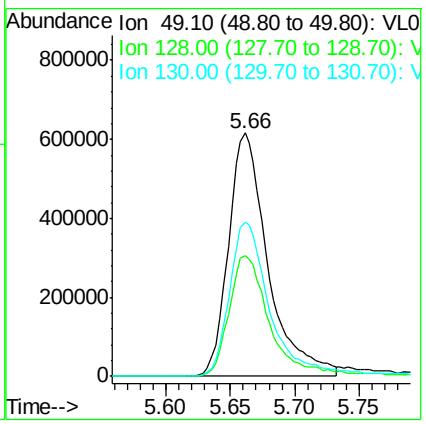


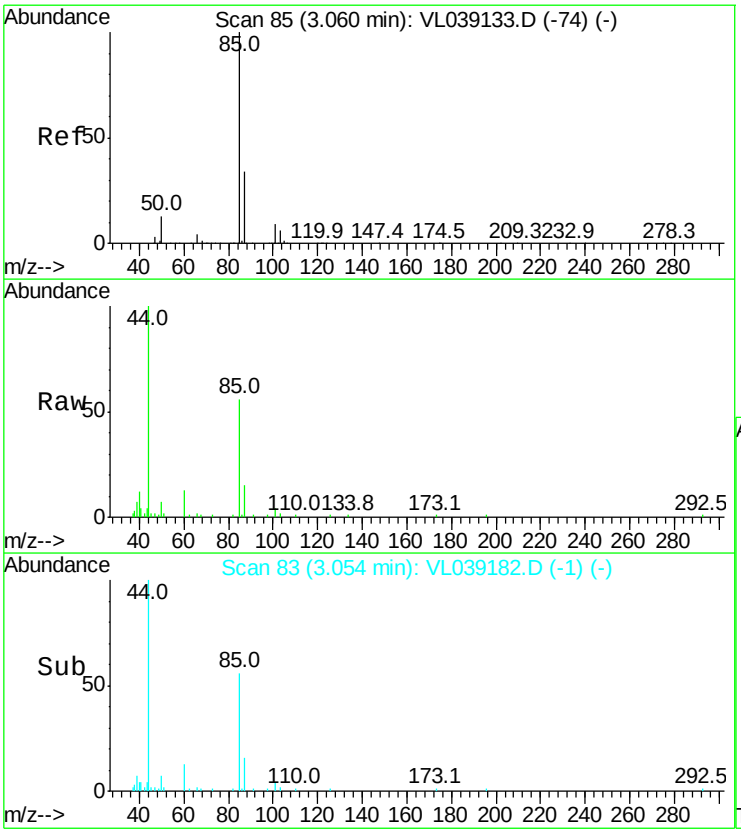
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.66
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 49 Resp: 1308544

Ion	Ratio	Lower	Upper
49	100		
128	52.5	24.7	74.1
130	67.3	31.4	94.0

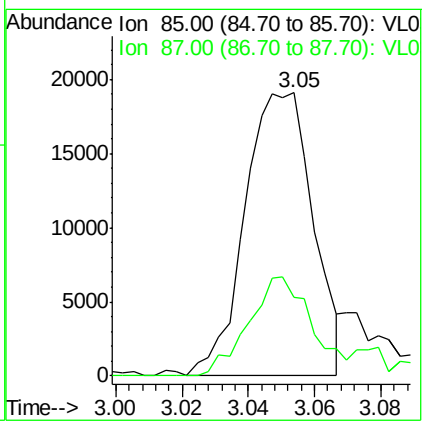


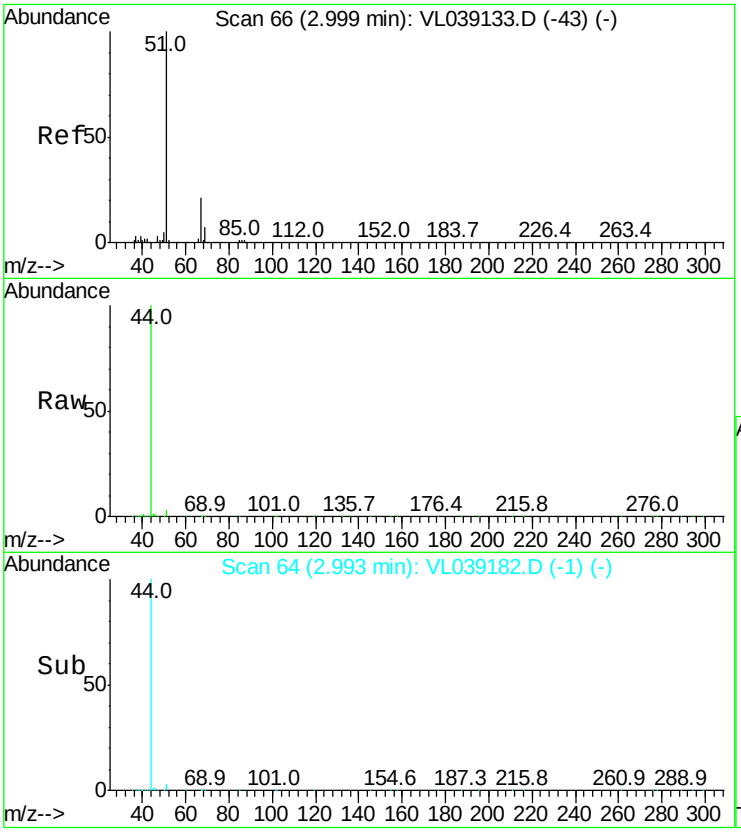


#2
Dichlorodifluoromethane
Concen: 0.12 ppbv
RT: 3.05 min Scan# 83
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 85 Resp: 27360

Ion	Ratio	Lower	Upper
85	100		
87	27.8	26.9	40.3



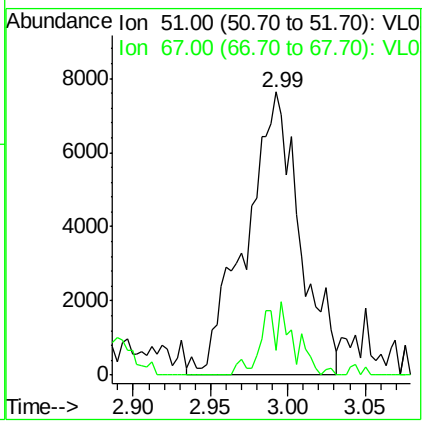


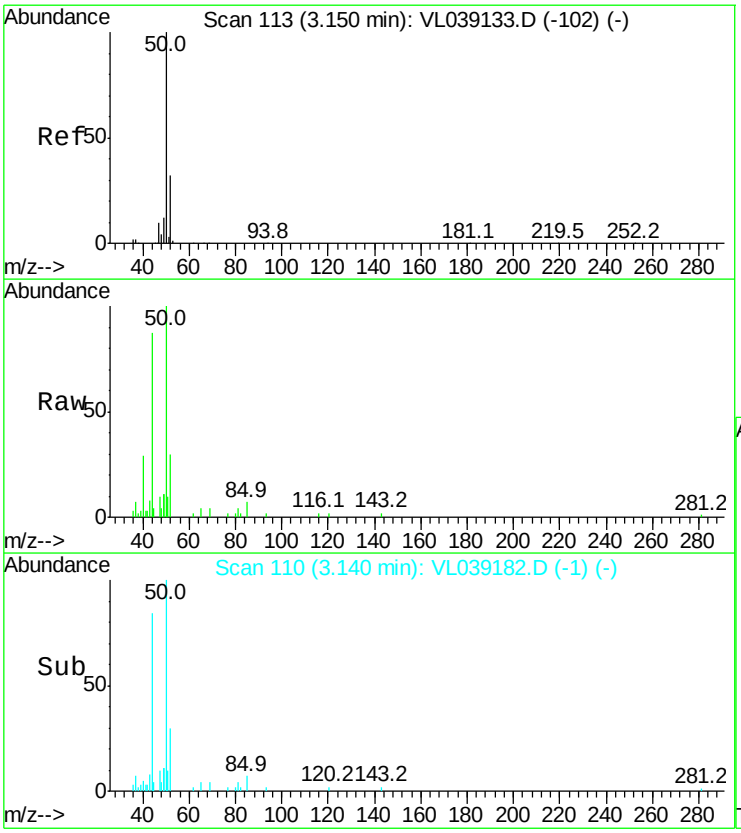
#3
Chlorodifluoromethane
Concen: 0.11 ppbv
RT: 2.99
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 51 Resp: 18584

Ion	Ratio	Lower	Upper
51	100		
67	14.8	16.2	24.4#

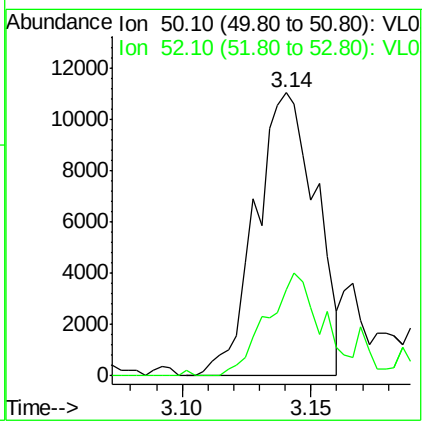


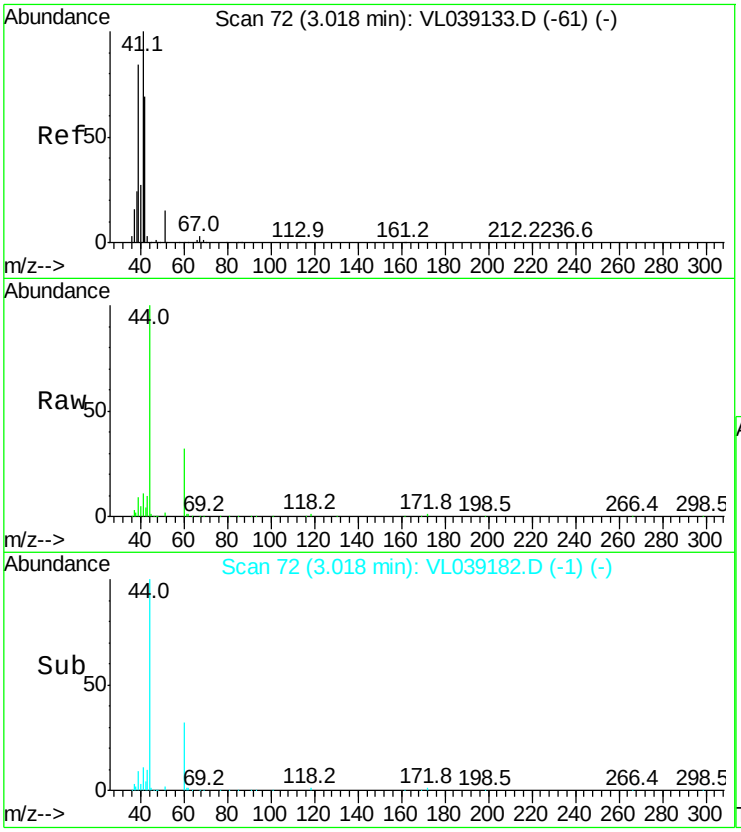


#4
Chloromethane
Concen: 0.21 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 50 Resp: 18040

Ion	Ratio	Lower	Upper
50	100		
52	25.8	25.9	38.9#



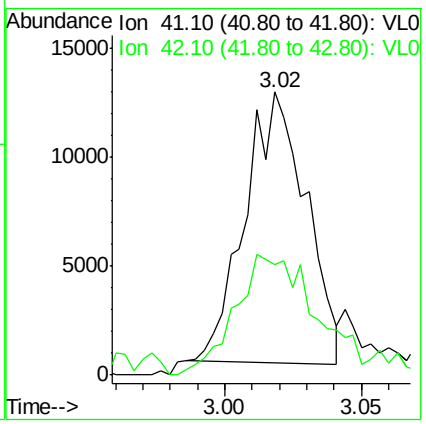


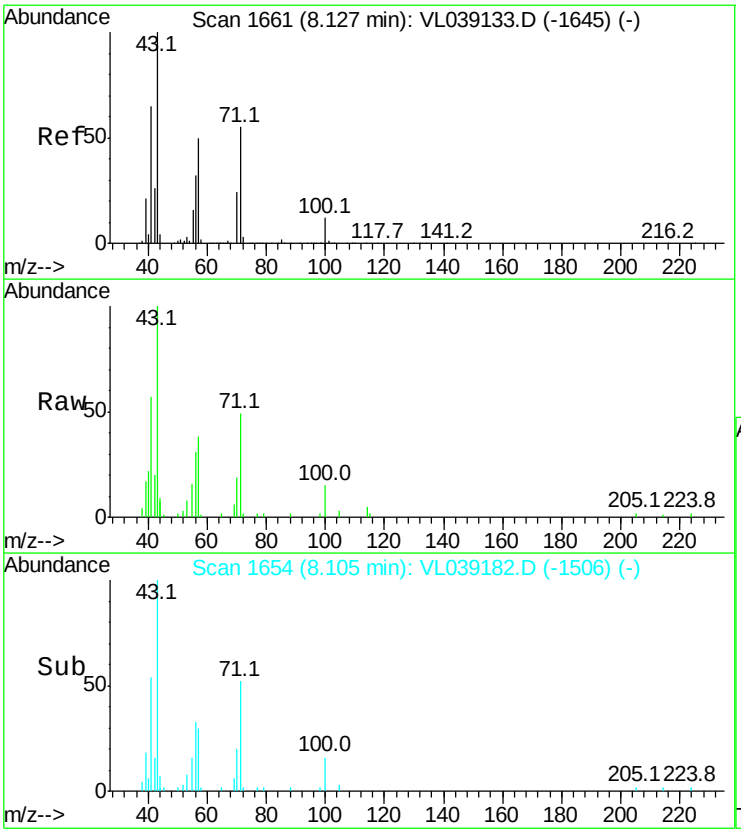
#9
Propene
Concen: 0.27 ppbv
RT: 3.02
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 41 Resp: 19435

Ion	Ratio	Lower	Upper
41	100		
42	69.3	55.4	83.2

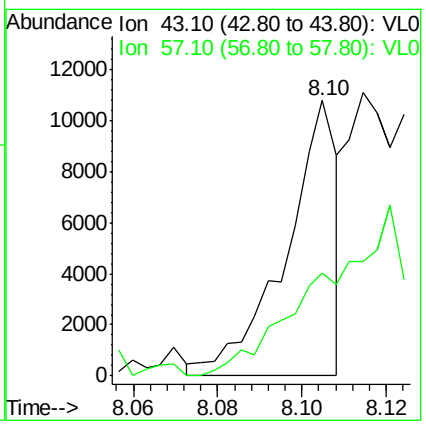


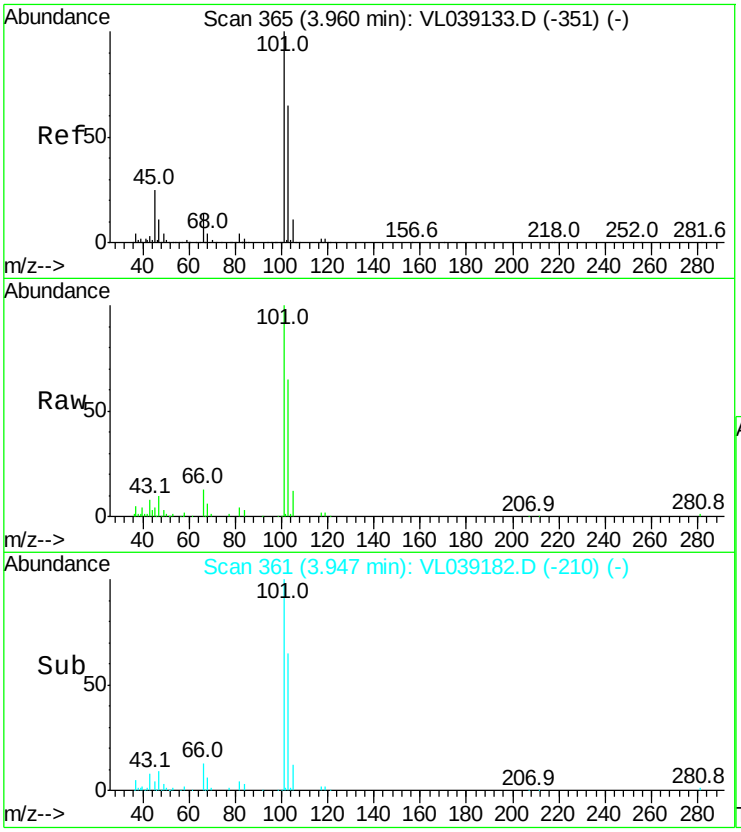


#10
Heptane
Concen: 0.05 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 43 Resp: 9156

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.4	62.2#



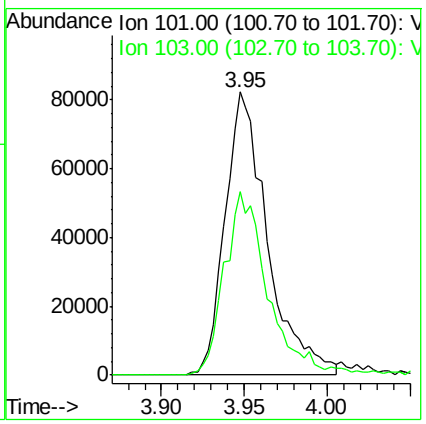


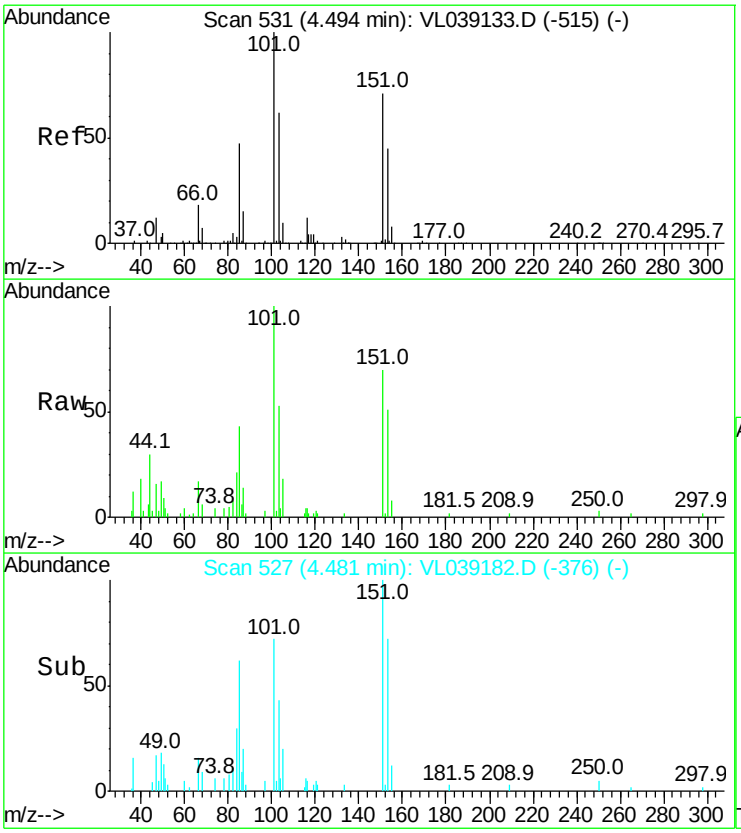
#11
Trichlorofluoromethane
Concen: 0.70 ppbv
RT: 3.95
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:101 Resp: 146312

Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.7	77.5

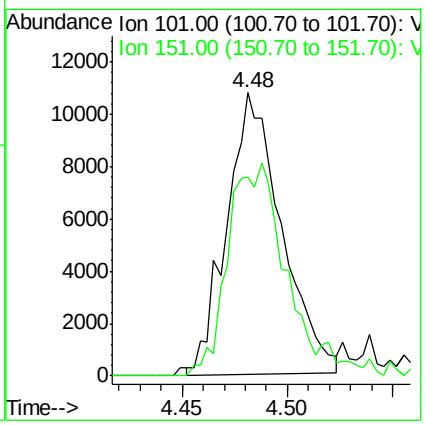


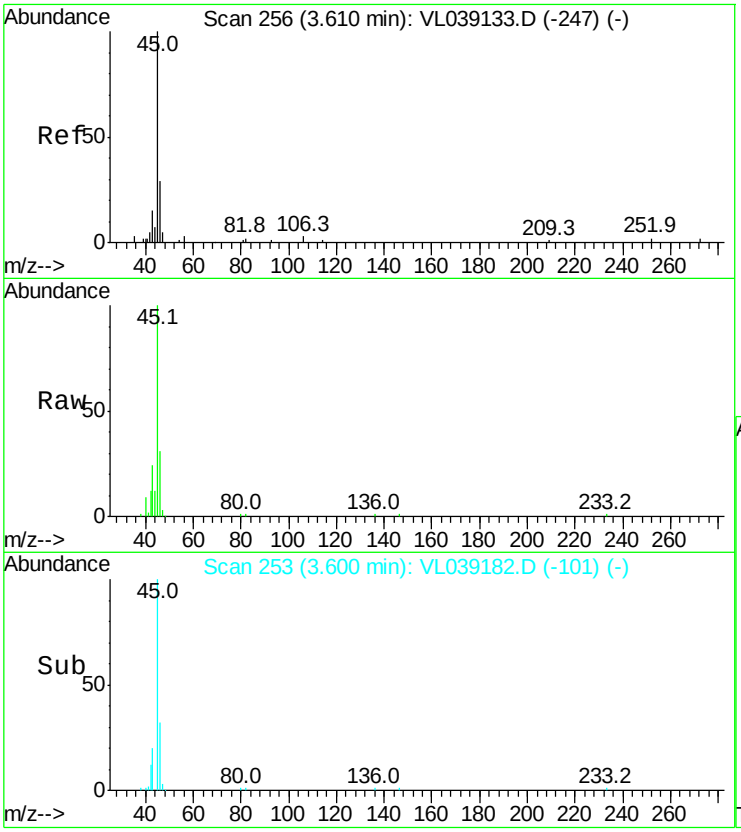


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.14 ppbv
RT: 4.48 min Scan# 527
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion:101 Resp: 19414

Ion	Ratio	Lower	Upper
101	100		
151	81.5	59.4	89.0



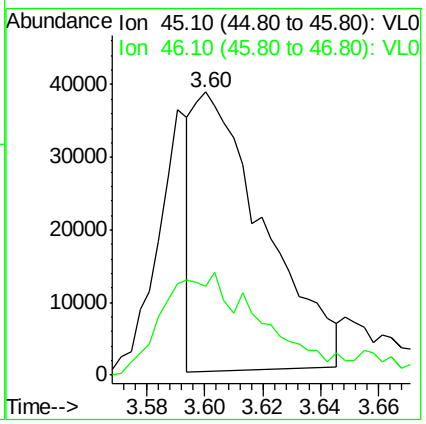


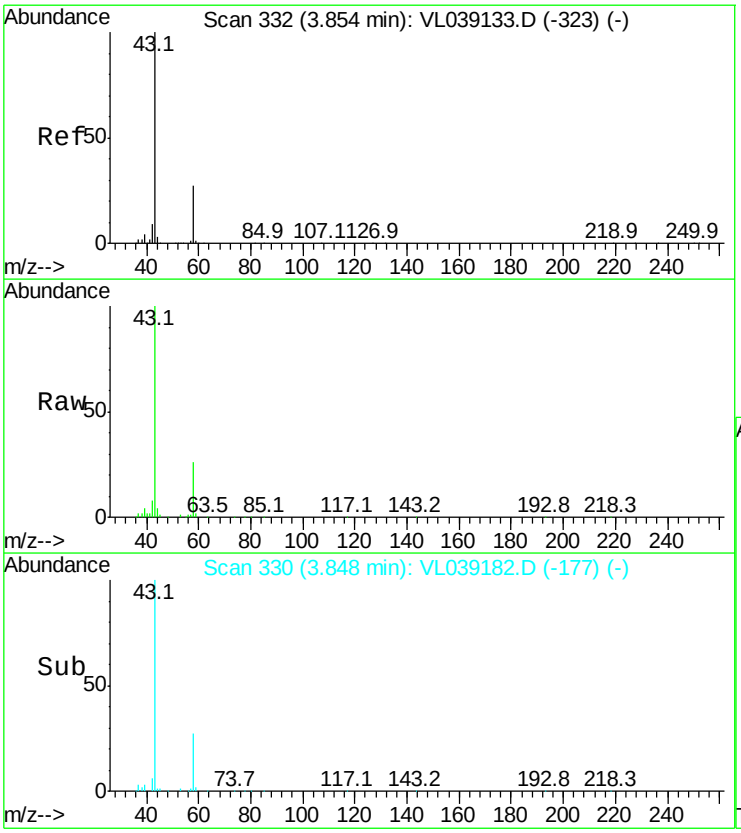
#13
Ethanol
Concen: 16.41 ppbv
RT: 3.60
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 45 Resp: 64971

Ion	Ratio	Lower	Upper
45	100		
46	60.0	0.0	0.0#

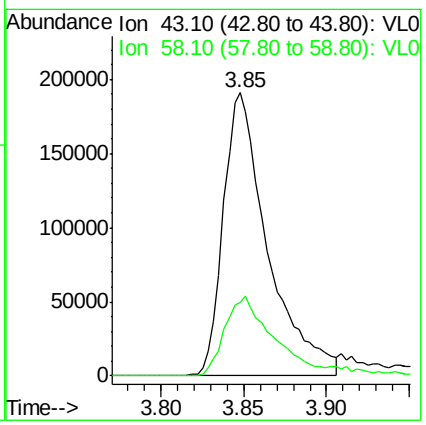


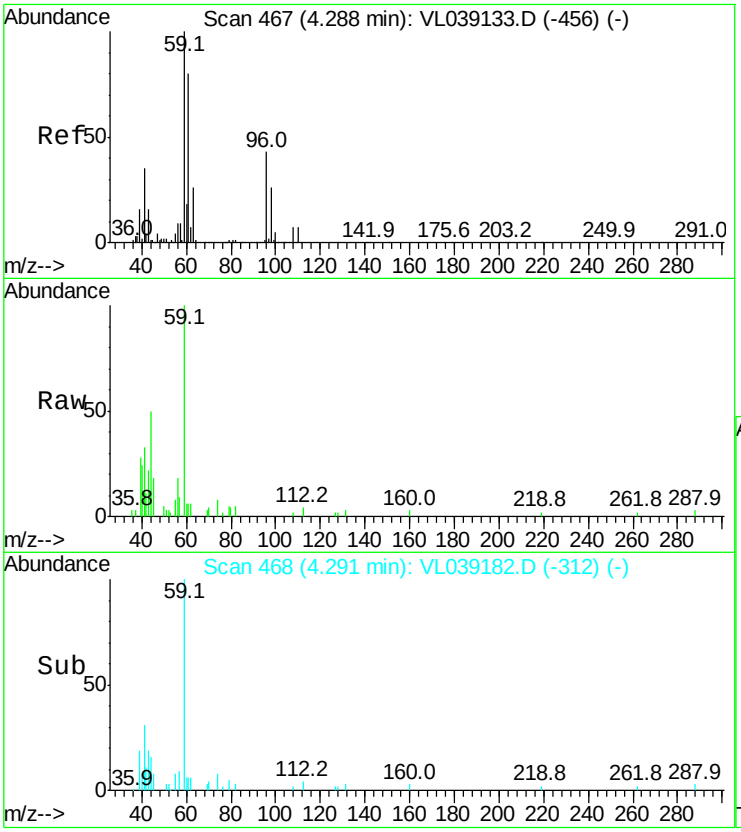


#15
Acetone
Concen: 2.61 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 43 Resp: 355975

Ion	Ratio	Lower	Upper
43	100		
58	33.3	22.5	33.7



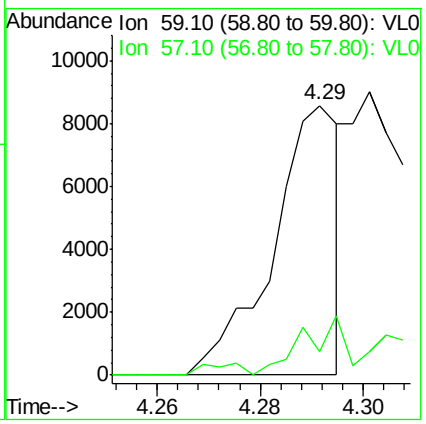


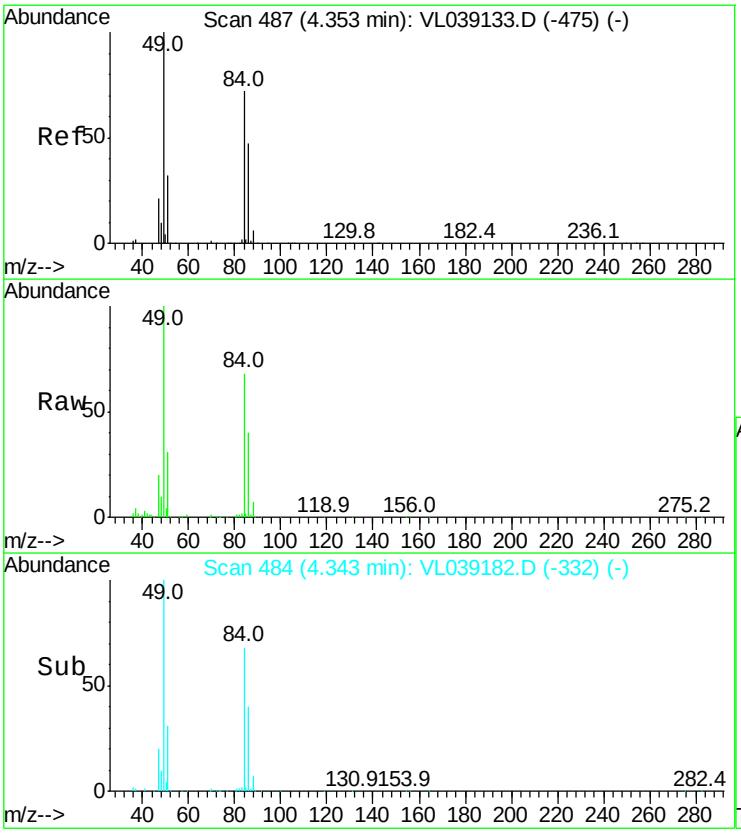
#17
tert-Butyl alcohol
Concen: 0.07 ppbv
RT: 4.29
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 59 Resp: 7637

Ion	Ratio	Lower	Upper
59	100		
57	43.0	9.1	13.7#

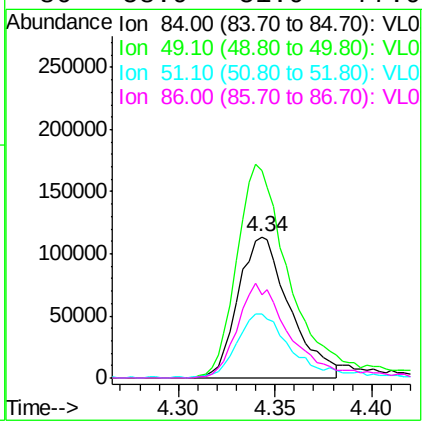


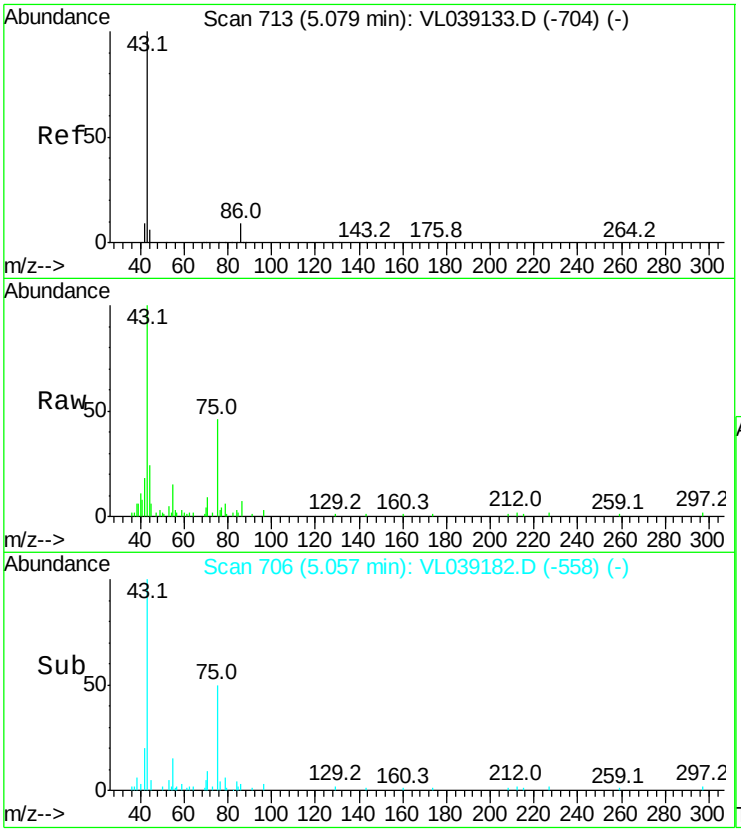


#20
Methylene Chloride
Concen: 3.66 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 84 Resp: 210505

Ion	Ratio	Lower	Upper
84	100		
49	146.8	111.1	166.7
51	45.0	35.3	52.9
86	58.9	51.9	77.9



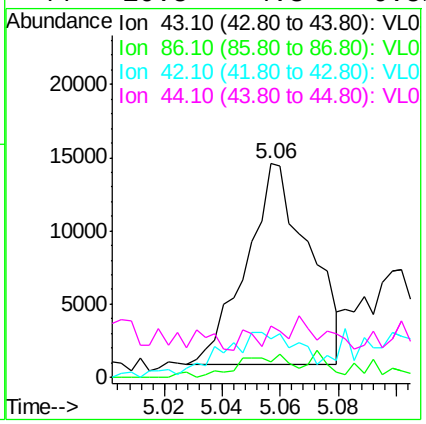


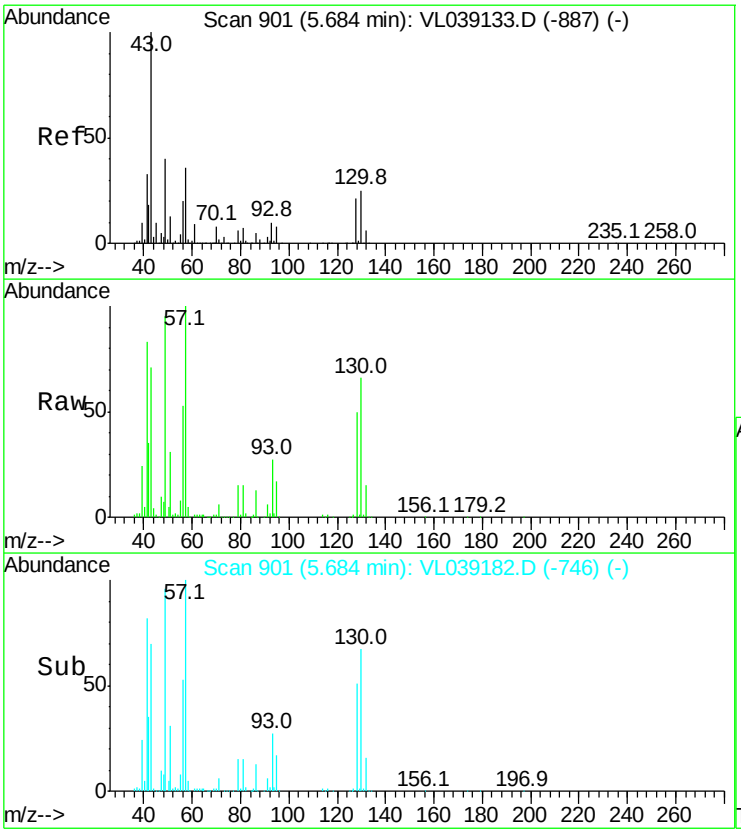
#23
Vinyl Acetate
Concen: 0.18 ppbv
RT: 5.06
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 43 Resp: 20659

Ion	Ratio	Lower	Upper
43	100		
86	5.4	6.0	9.0#
42	14.8	8.2	12.4#
44	10.5	4.3	6.5#

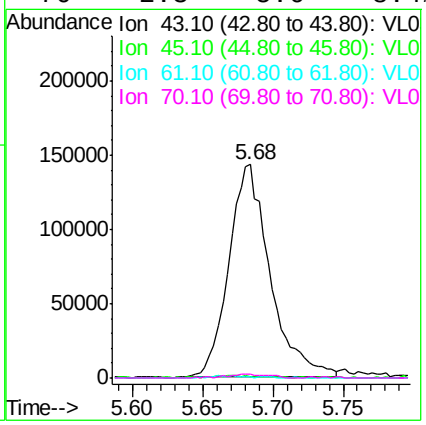


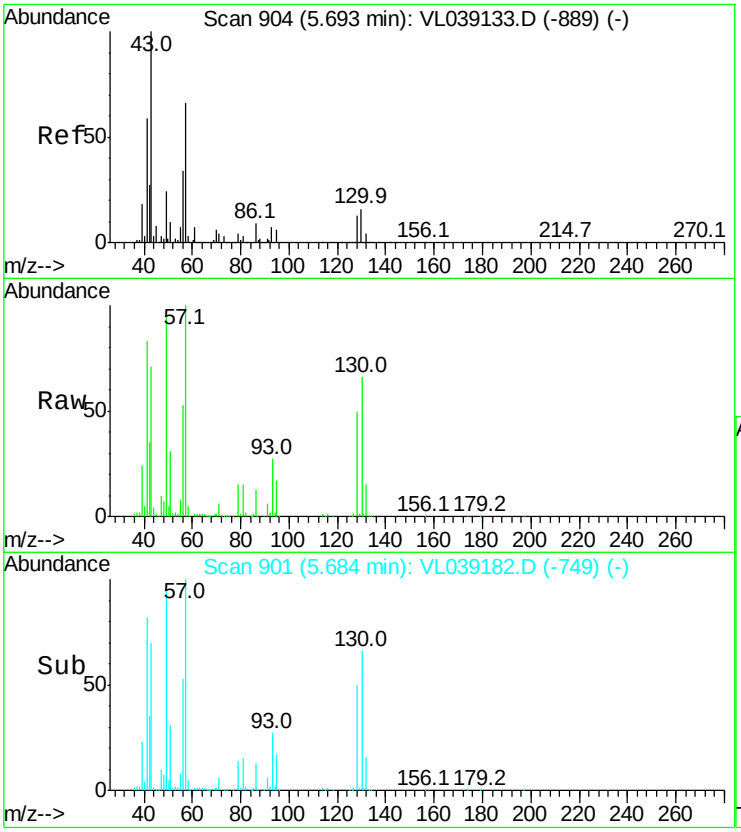


#25
Ethyl Acetate
Concen: 0.96 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 43 Resp: 294065

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.2	12.2#
61	1.1	8.4	12.6#
70	2.3	5.6	8.4#



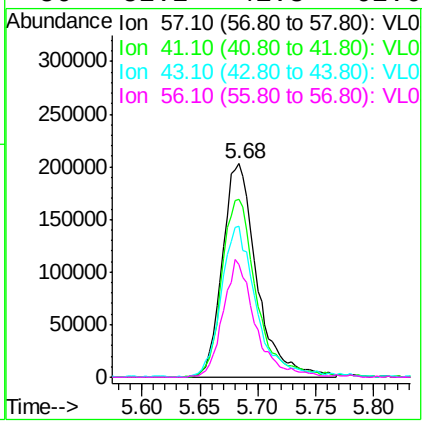


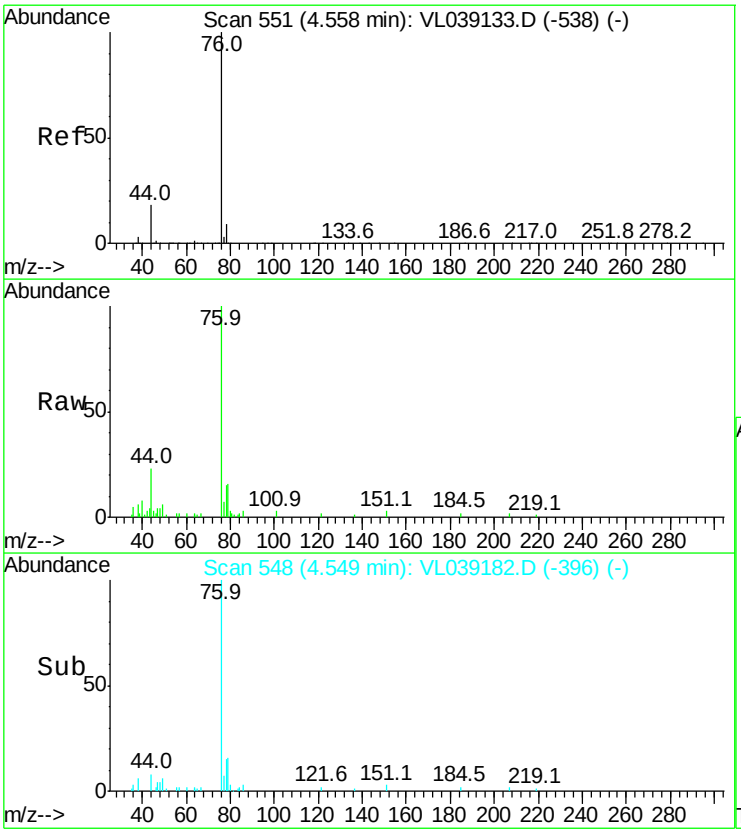
#26
Hexane
Concen: 3.08 ppbv
RT: 5.68
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 57 Resp: 415554

Ion	Ratio	Lower	Upper
57	100		
41	85.1	72.4	108.6
43	72.8	187.0	280.6#
56	52.2	41.8	62.6

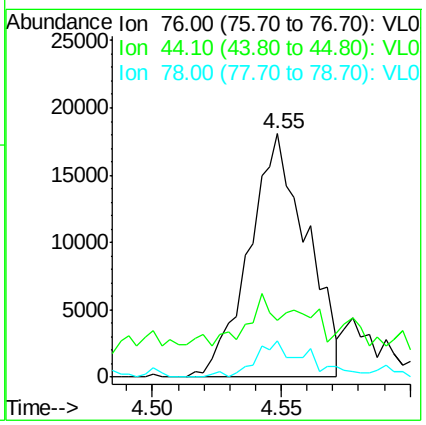


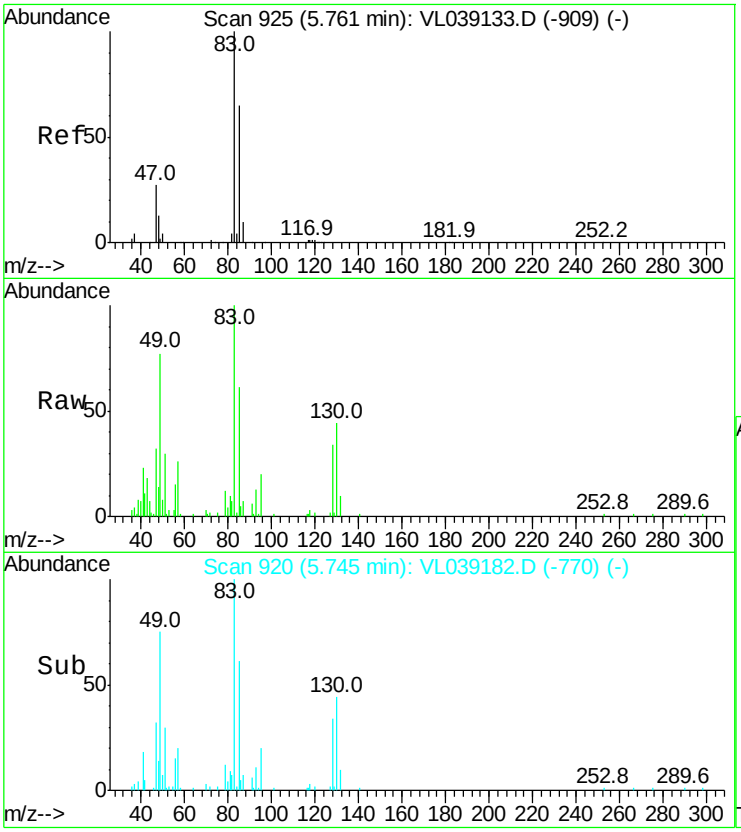


#27
Carbon Disulfide
Concen: 0.20 ppbv
RT: 4.55 min Scan# 548
Delta R.T. -0.01 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 76 Resp: 28084

Ion	Ratio	Lower	Upper
76	100		
44	42.0	14.4	21.6#
78	15.5	7.7	11.5#



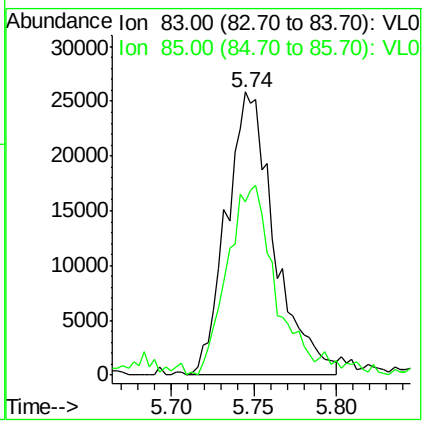


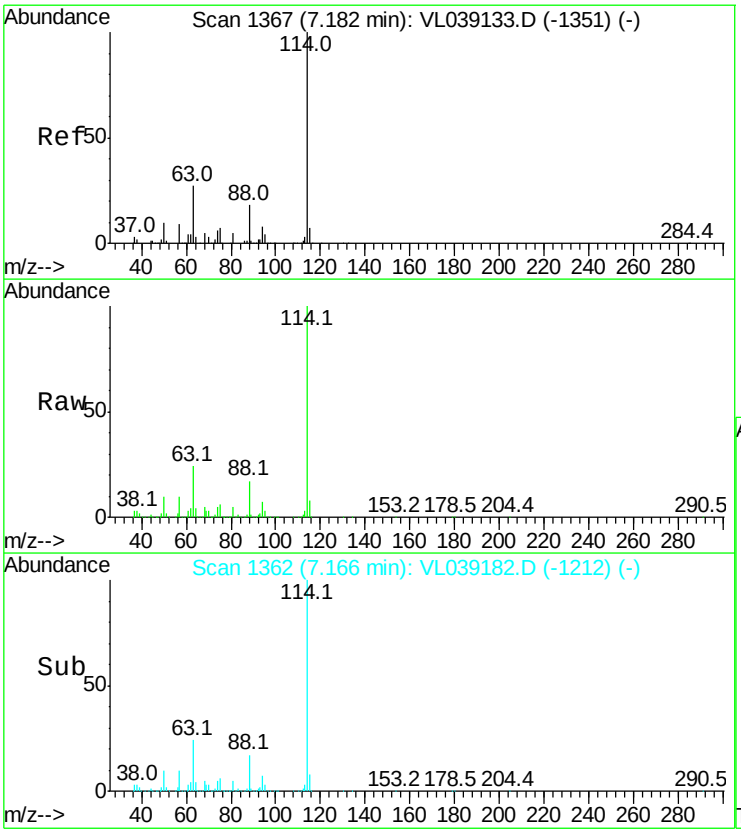
#29
Chloroform
Concen: 0.23 ppbv
RT: 5.74
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 83 Resp: 52140

Ion	Ratio	Lower	Upper
83	100		
85	61.4	52.4	78.6

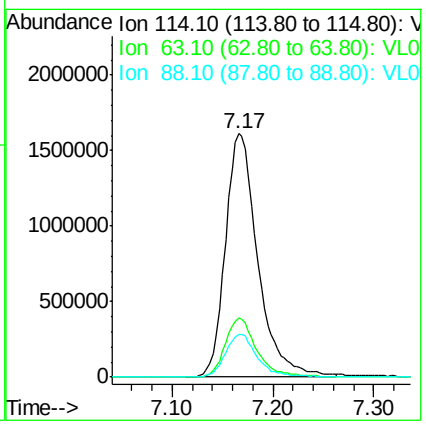


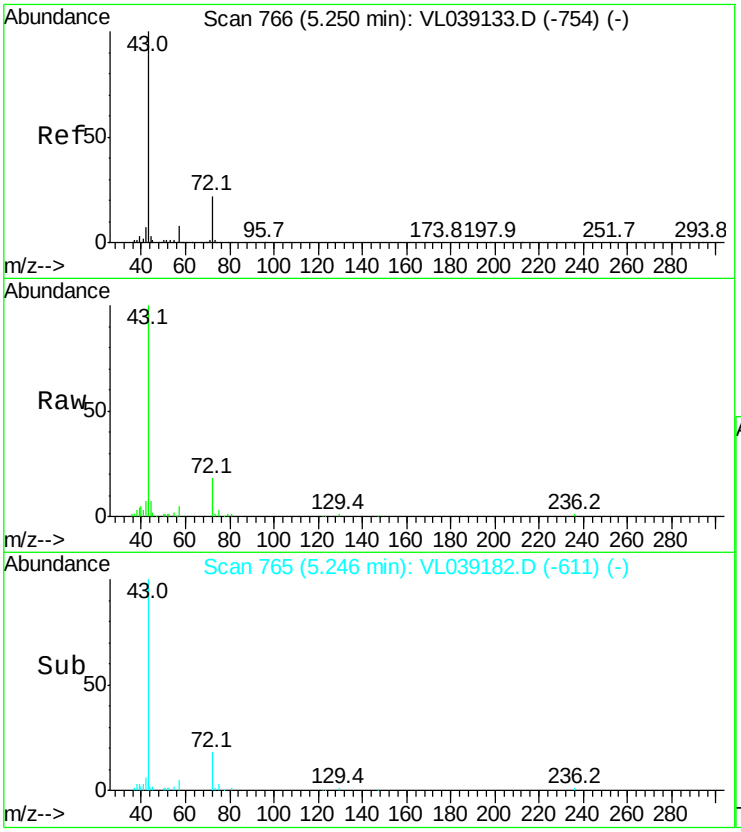


#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion:114 Resp: 3614320

Ion	Ratio	Lower	Upper
114	100		
63	23.9	21.7	32.5
88	17.6	14.8	22.2



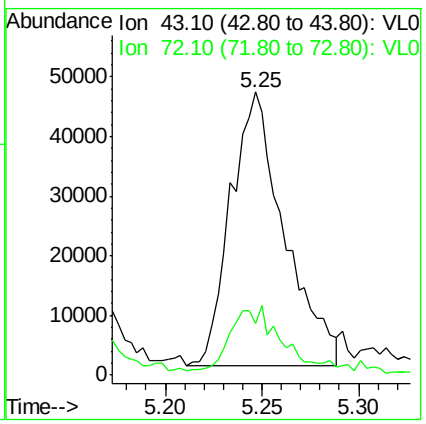


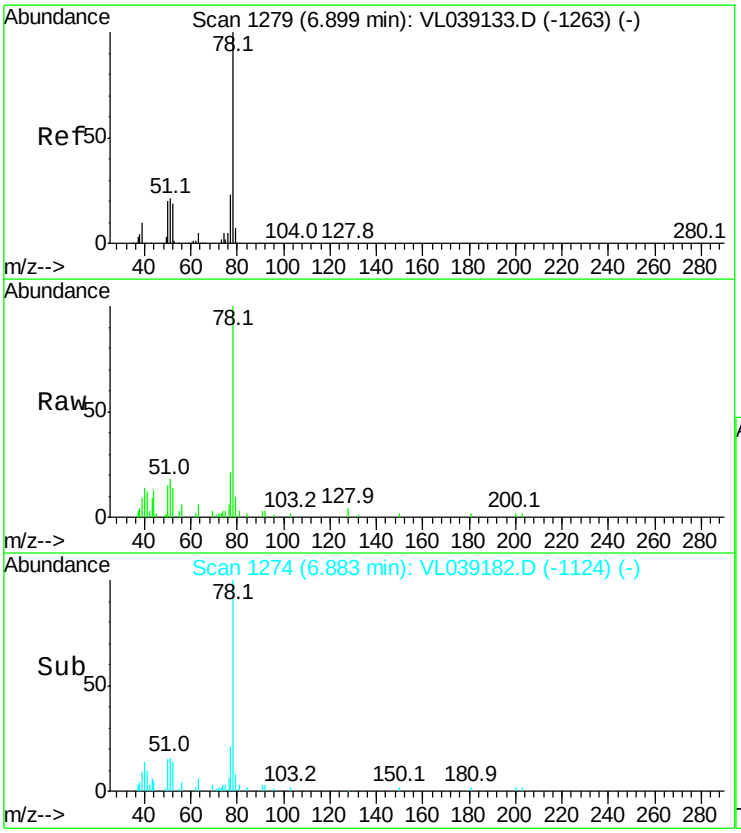
#34
2-Butanone
Concen: 0.45 ppbv
RT: 5.25
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 43 Resp: 88871

Ion	Ratio	Lower	Upper
43	100		
72	28.5	18.2	27.2#

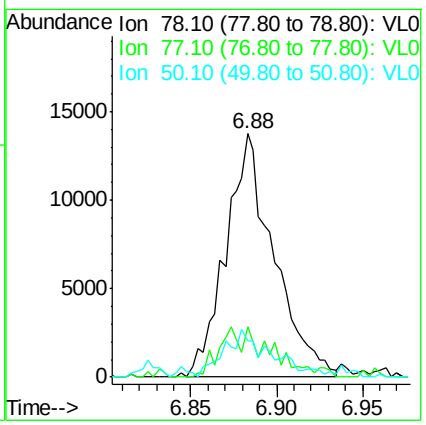


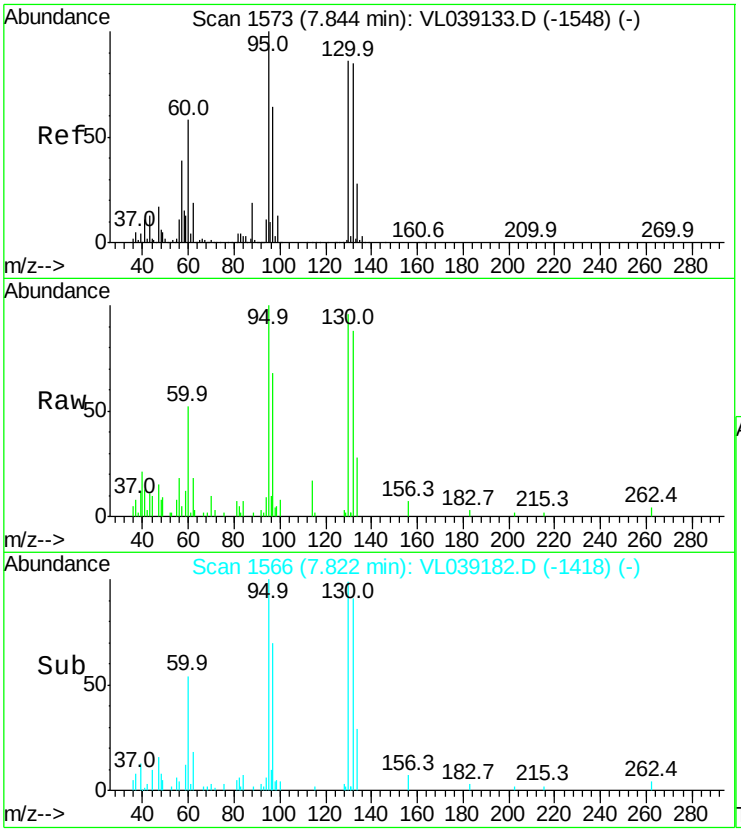


#36
Benzene
Concen: 0.09 ppbv
RT: 6.88 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 78 Resp: 26775

Ion	Ratio	Lower	Upper
78	100		
77	20.6	18.6	27.8
50	13.6	15.8	23.8#



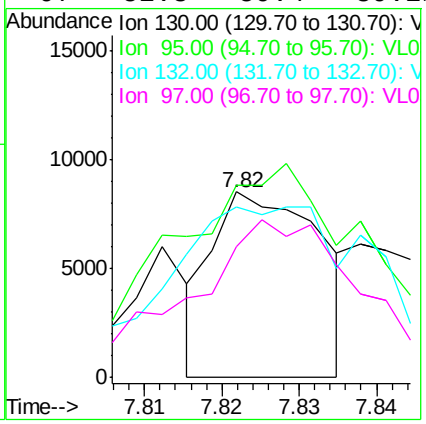


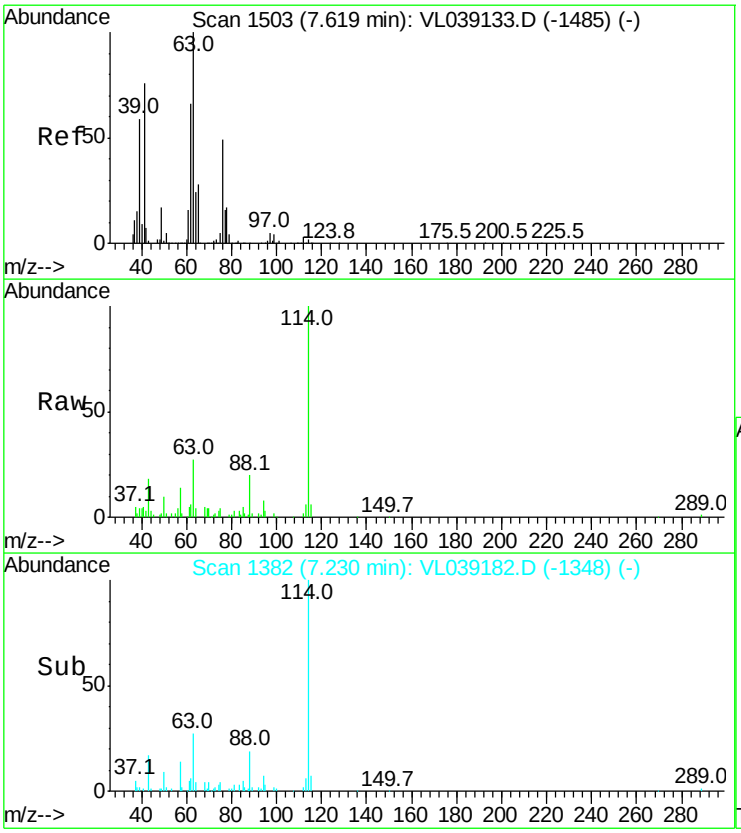
#38
Trichloroethene
Concen: 0.06 ppbv
RT: 7.82
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:130 Resp: 8247

Ion	Ratio	Lower	Upper
130	100		
95	63.1	93.3	139.9#
132	64.1	79.0	118.4#
97	52.8	59.4	89.2#

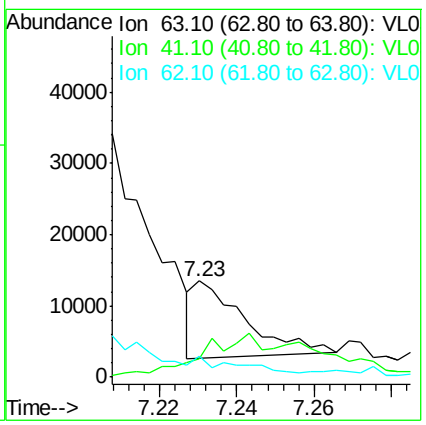


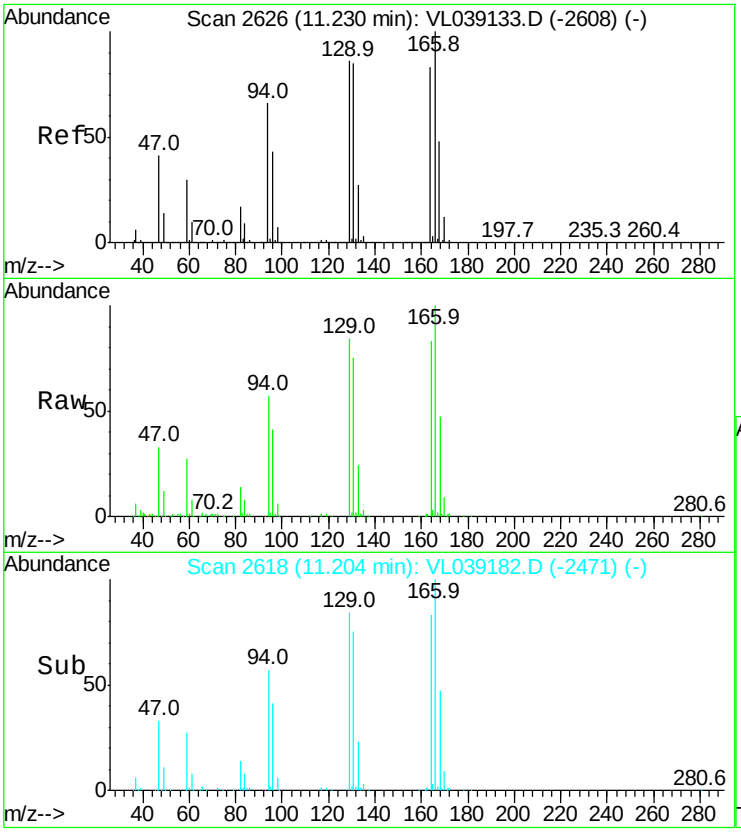


#39
1,2-Dichloropropane
Concen: 0.08 ppbv
RT: 7.23 min Scan# 1382
Delta R.T. -0.39 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 63 Resp: 9915

Ion	Ratio	Lower	Upper
63	100		
41	6.4	60.8	91.2#
62	20.2	52.9	79.3#



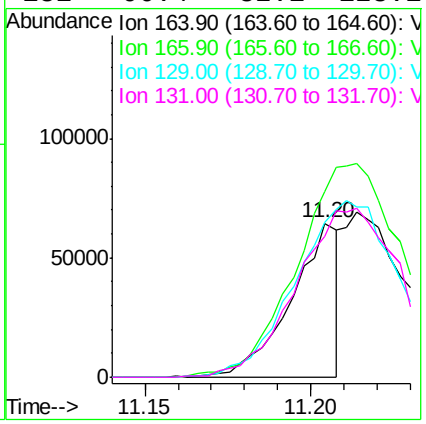


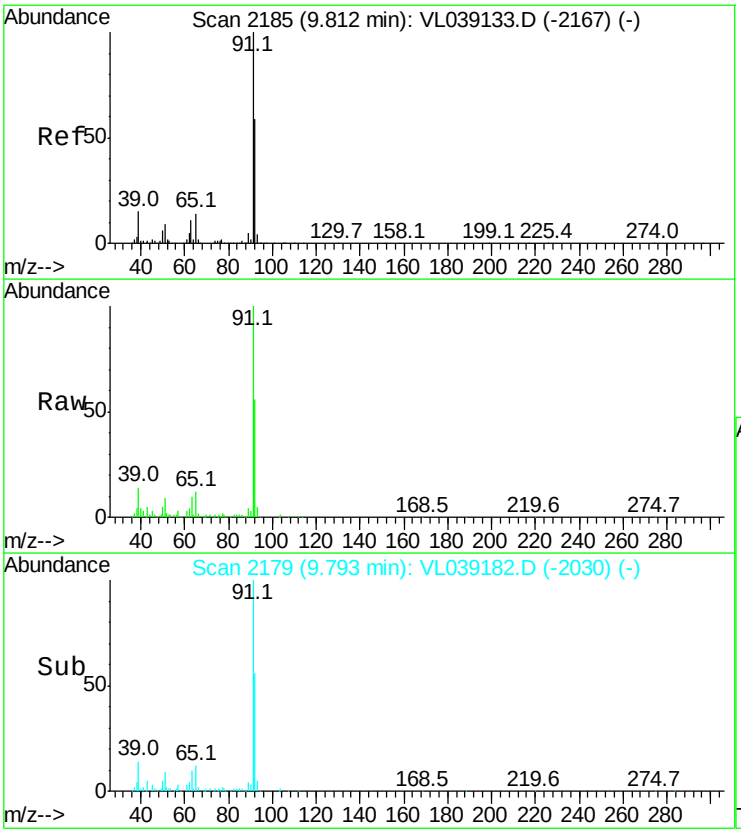
#52
Tetrachloroethene
Concen: 0.56 ppbv
RT: 11.20
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:164 Resp: 64127

Ion	Ratio	Lower	Upper
164	100		
166	120.6	96.3	144.5
129	100.7	82.5	123.7
131	90.4	82.1	123.1

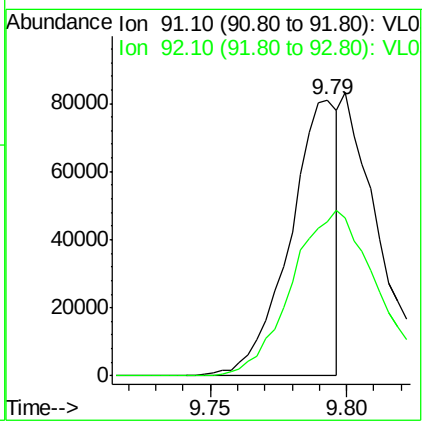


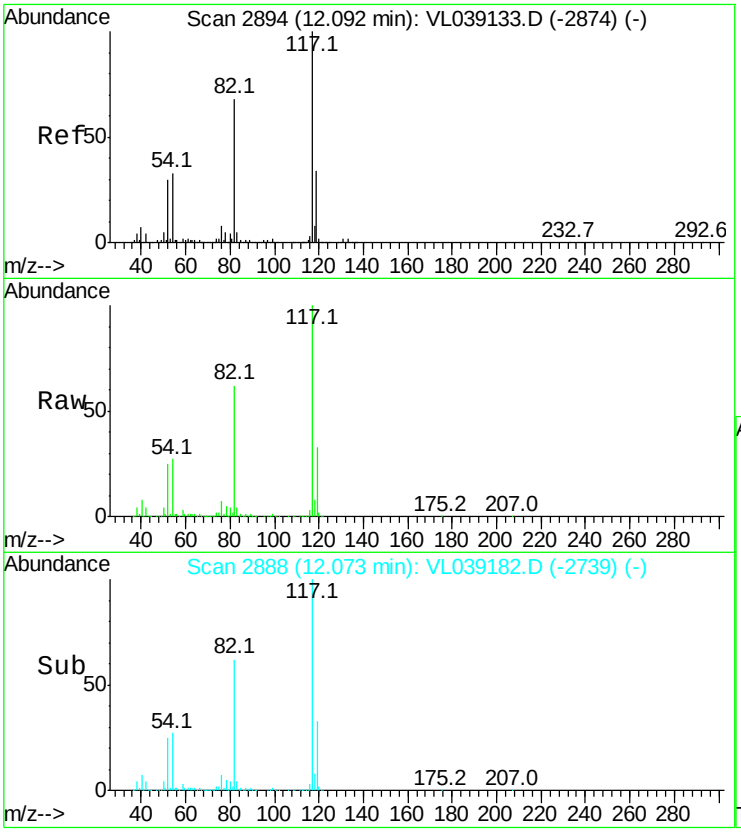


#53
Toluene
Concen: 0.29 ppbv
RT: 9.79 min Scan# 2179
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 91 Resp: 98413

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.1	72.1#



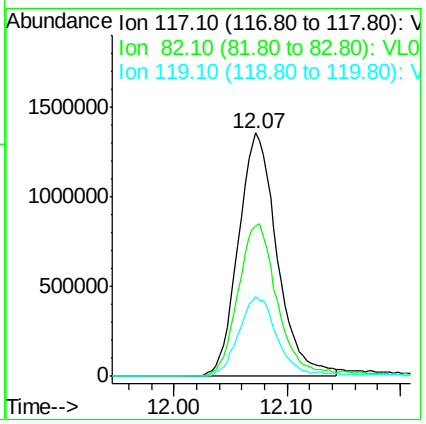


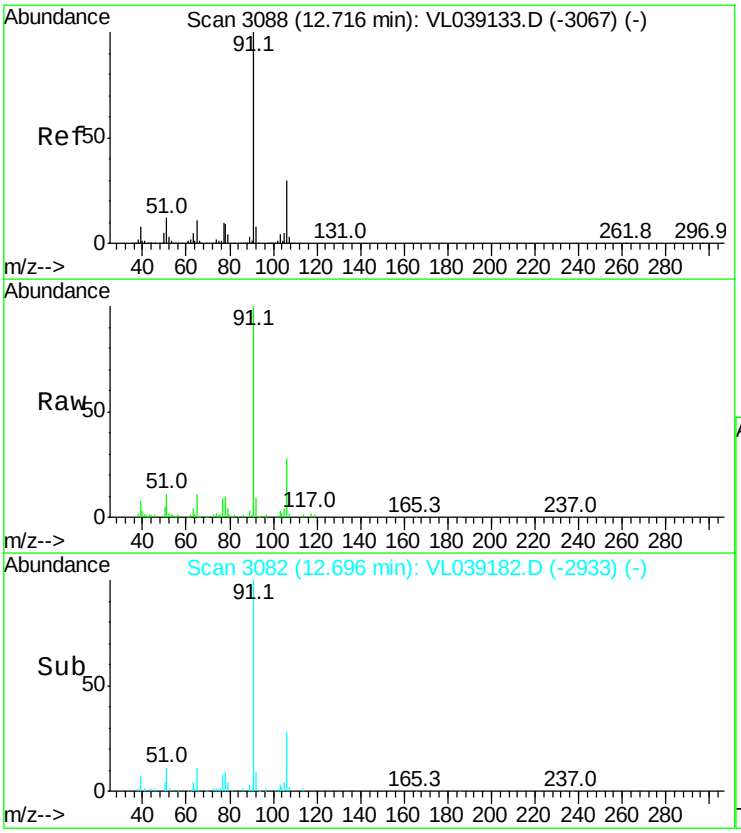
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.07
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:117 Resp: 3234314

Ion	Ratio	Lower	Upper
117	100		
82	66.4	55.1	82.7
119	33.6	24.7	37.1

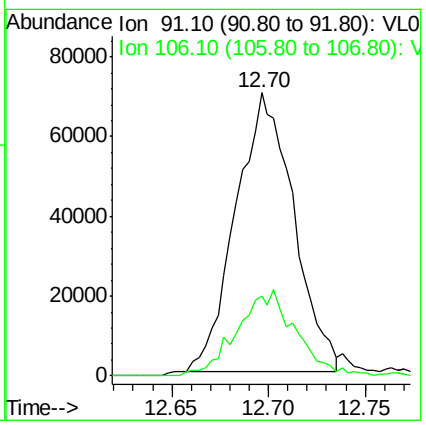


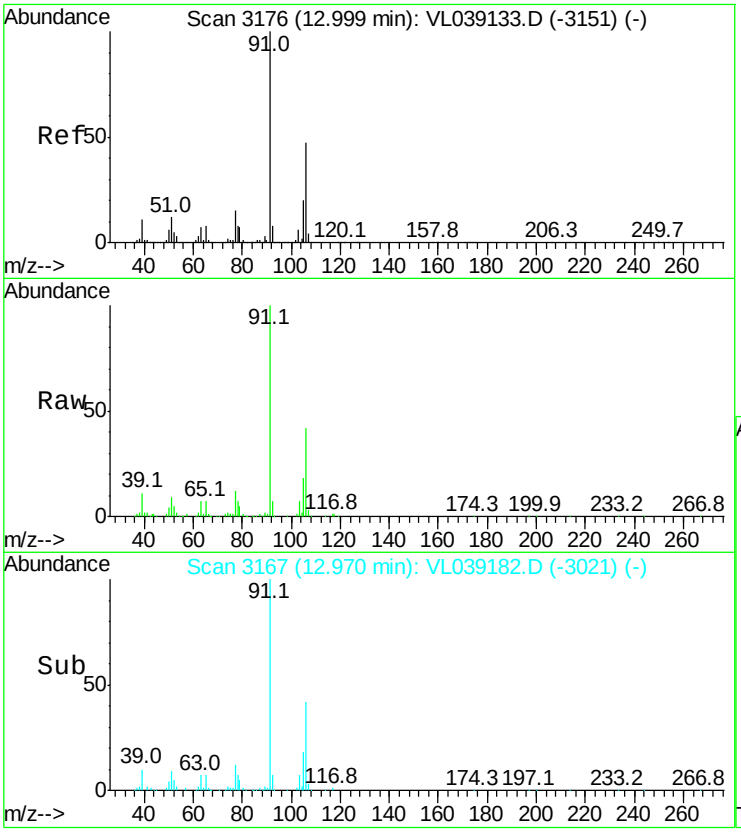


#58
Ethyl Benzene
Concen: 0.33 ppbv
RT: 12.70 min Scan# 3082
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 91 Resp: 145729

Ion	Ratio	Lower	Upper
91	100		
106	27.2	24.2	36.4



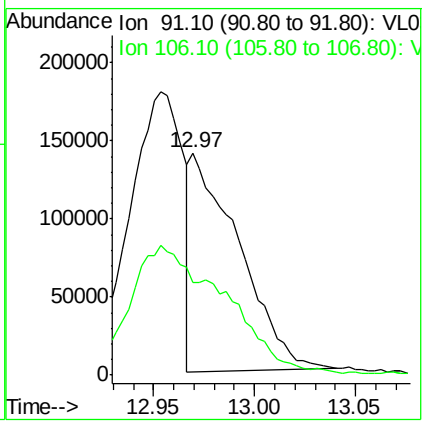


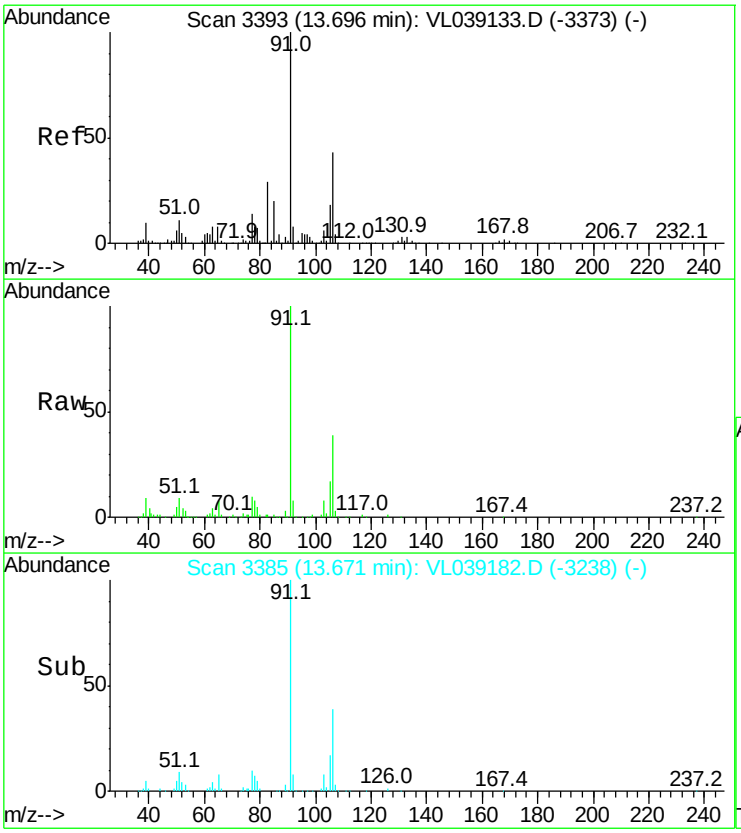
#59
m/p-Xylene
Concen: 0.59 ppbv
RT: 12.97
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 91 Resp: 230996

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.3	51.5#

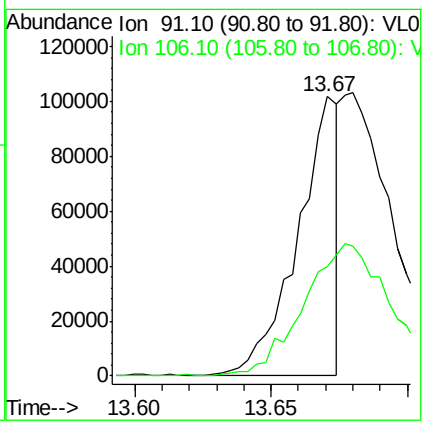


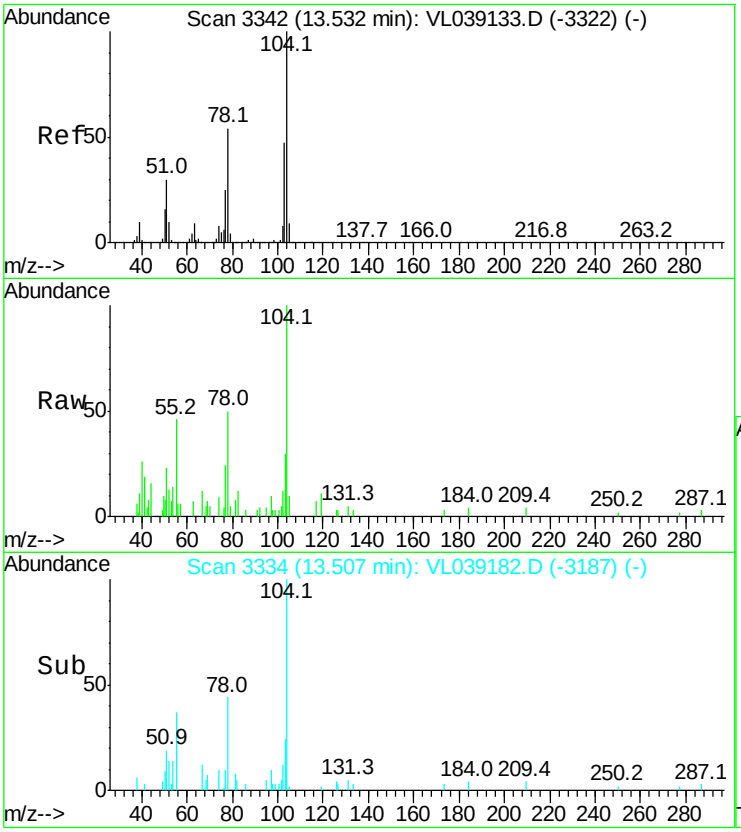


#60
o-Xylene
Concen: 0.28 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.03 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 91 Resp: 104507

Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.3	66.9#



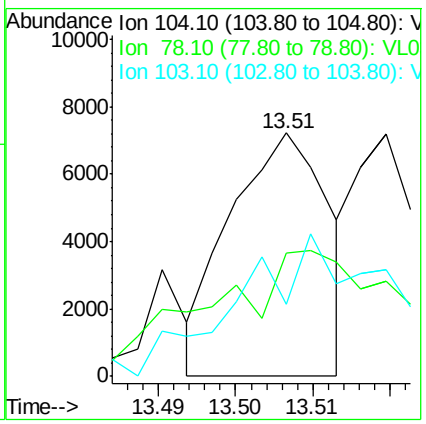


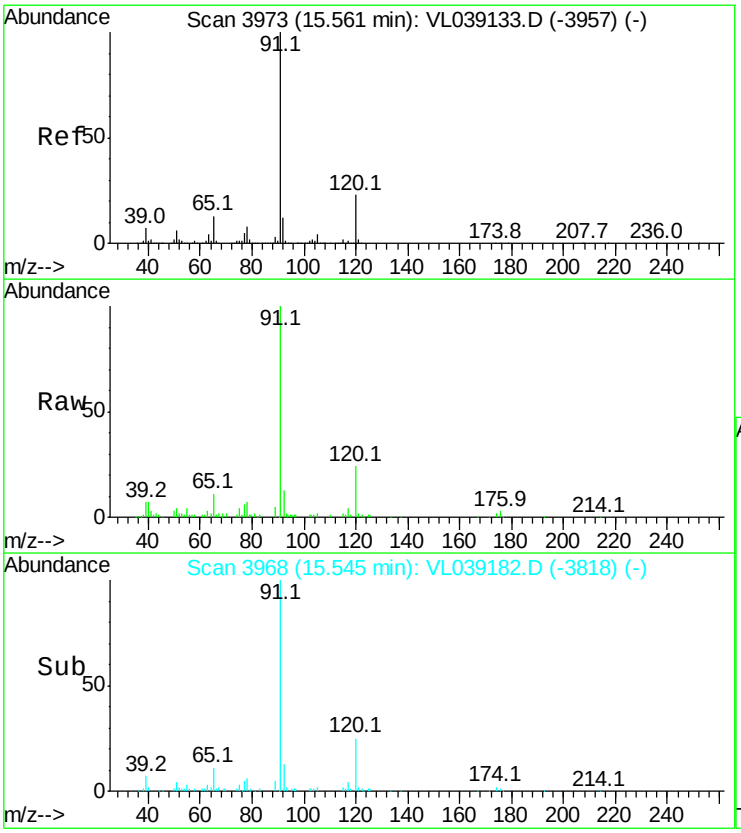
#61
Styrene
Concen: 0.03 ppbv
RT: 13.51
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:104 Resp: 6404

Ion	Ratio	Lower	Upper
104	100		
78	143.6	45.7	68.5#
103	131.4	39.6	59.4#

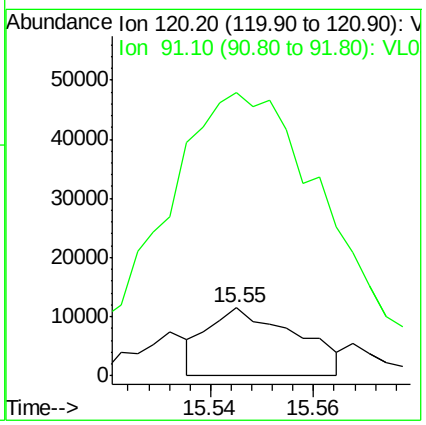


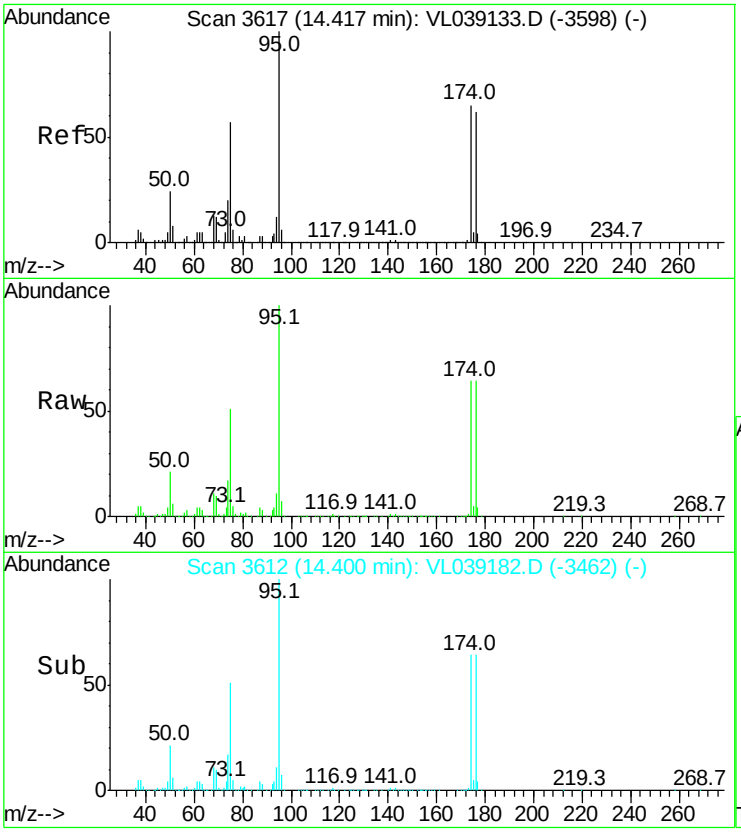


#64
n-propylbenzene
Concen: 0.10 ppbv
RT: 15.55 min Scan# 3968
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion:120 Resp: 13628

Ion	Ratio	Lower	Upper
120	100		
91	853.4	388.4	582.6#



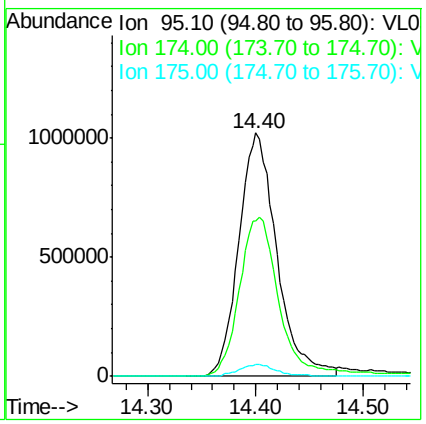


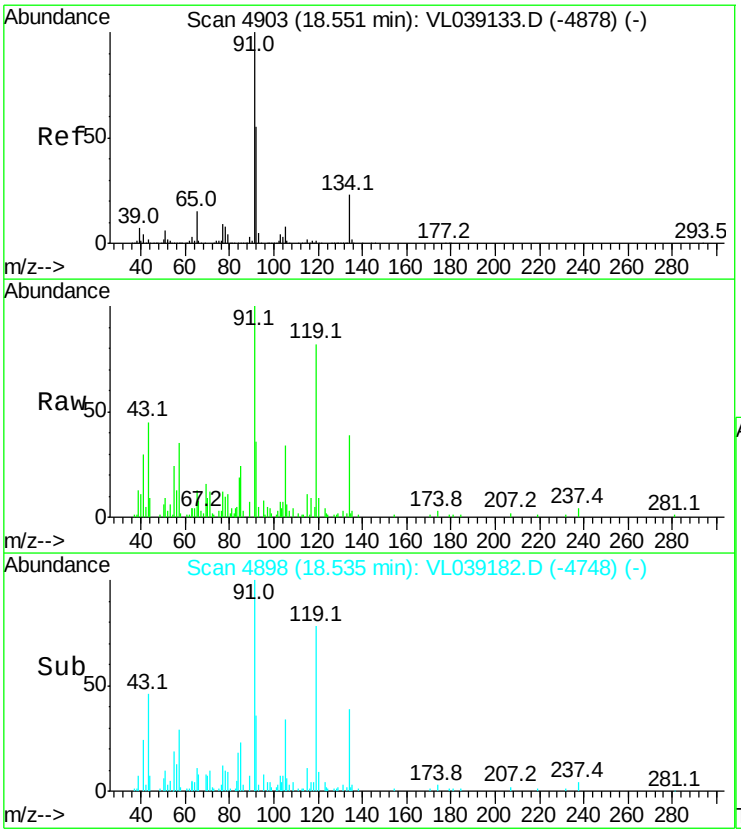
#68
1-Bromo-4-Fluorobenzene
Concen: 9.38 ppbv
RT: 14.40
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion: 95 Resp: 2507080

Ion	Ratio	Lower	Upper
95	100		
174	70.6	53.8	80.8
175	5.1	4.1	6.1

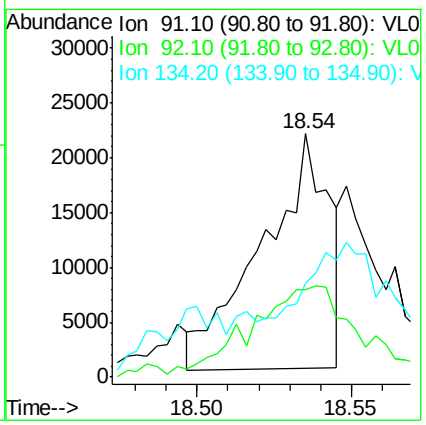


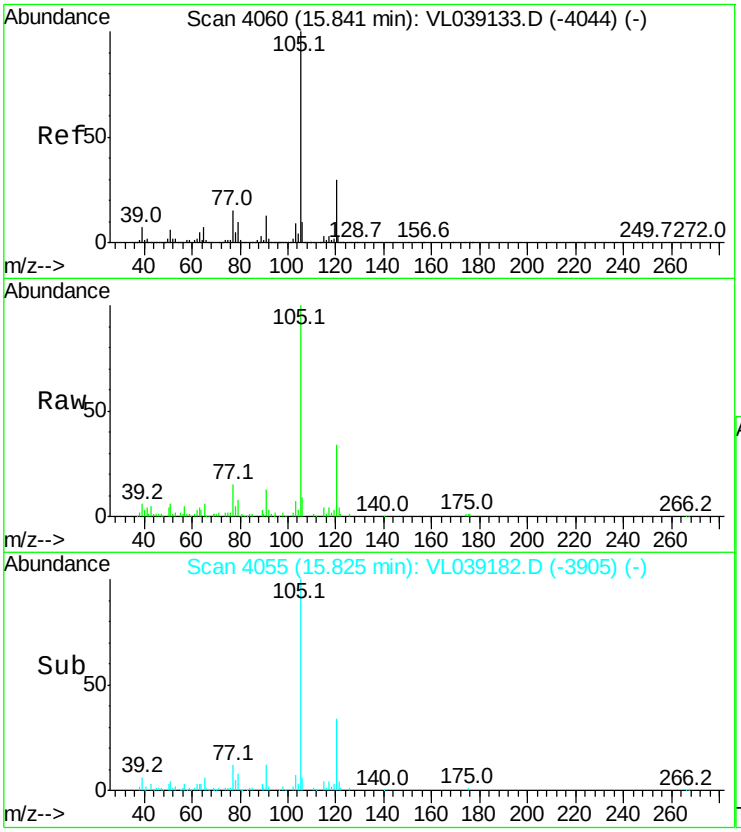


#70
n-Butylbenzene
Concen: 0.05 ppbv
RT: 18.54 min Scan# 4898
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion: 91 Resp: 32394

Ion	Ratio	Lower	Upper
91	100		
92	68.9	43.6	65.4#
134	0.0	17.7	26.5#



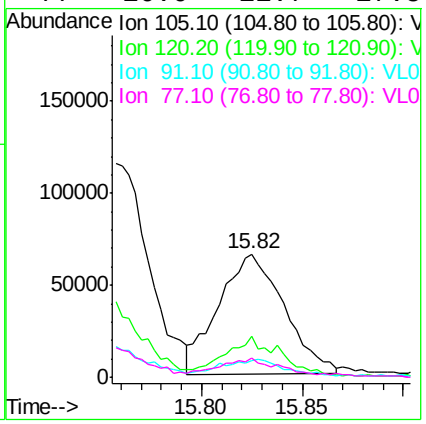


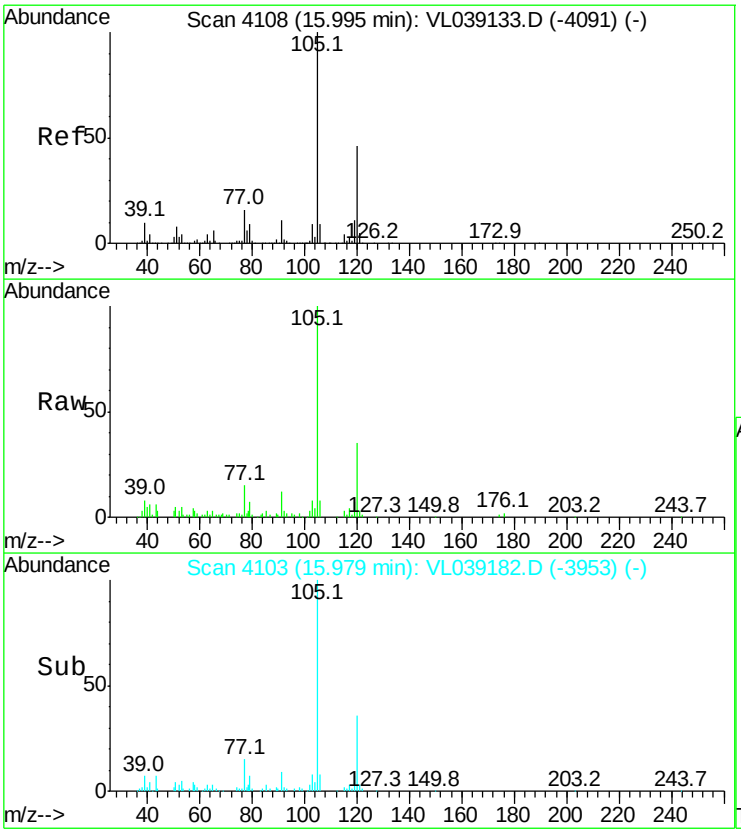
#72
4-Ethyltoluene
Concen: 0.34 ppbv
RT: 15.82
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:16

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:105 Resp: 147563

Ion	Ratio	Lower	Upper
105	100		
120	31.5	23.9	35.9
91	13.7	10.6	16.0
77	16.0	11.7	17.5

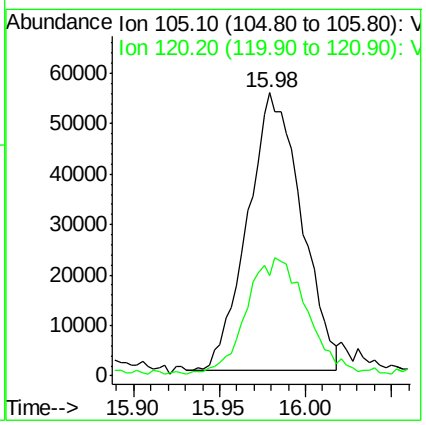


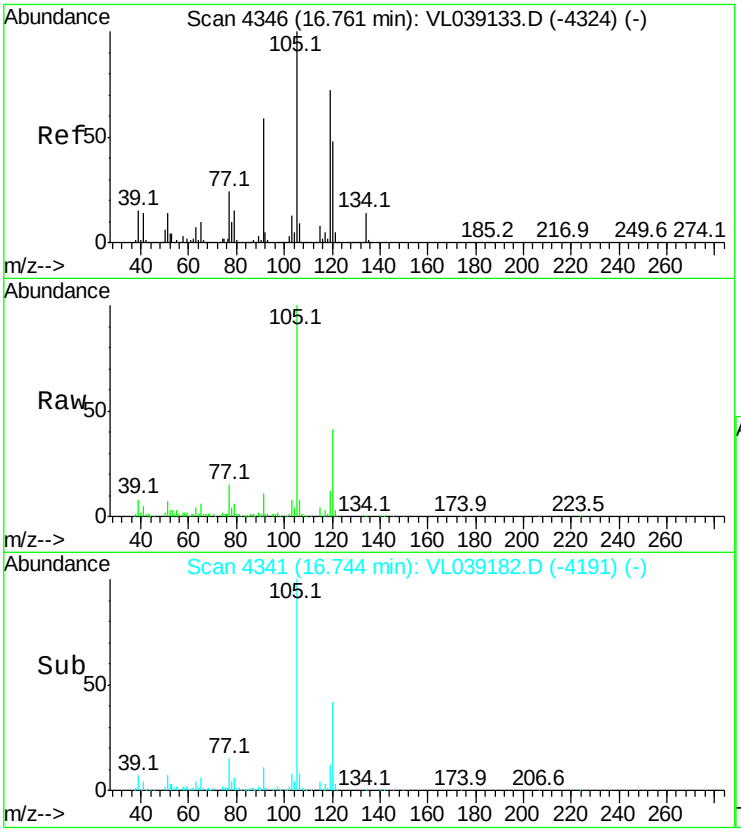


#73
1,3,5-Trimethylbenzene
Concen: 0.31 ppbv
RT: 15.98 min Scan# 4103
Delta R.T. -0.02 min
Lab File: VL039182.D
Acq: 6 Jun 2022 12:16

Tgt Ion:105 Resp: 120022

Ion	Ratio	Lower	Upper
105	100		
120	35.5	36.7	55.1#





#74
1,2,4-Trimethylbenzene
Concen: 1.10 ppbv
RT: 16.74
Delta R.T
Lab File:
Acq: 6 Jun 2022 12:18

Instrument :
MSVOA_L
ClientSampleId :
SG-11DL

Tgt Ion:105 Resp: 479231

Ion	Ratio	Lower	Upper
105	100		
120	41.5	38.1	57.1
91	10.8	47.4	71.0#
77	14.8	19.5	29.3#