Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039990.D
Acq On : 13 Dec 2022 00:23
Operator : SY/MD
Sample : N5971-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Dec 13 07:11:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	5.169	49	1084241	10.000	ppbv		0.01
33) 1,4-Difluorobenzene	6.632	114	2823245	10.000	ppbv		0.01
55) Chlorobenzene-d5	11.449	117	2496810	10.000	ppbv		0.02
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	13.761	95	2078886	10.901	ppbv		0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.000%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.706	85	17403	0.112	ppbv		93
3) Chlorodifluoromethane	2.655	51	17005	0.114	ppbv		92
4) Chloromethane	2.784	50	2792	0.029	ppbv	#	70
9) Propene	2.671	41	11287	0.160	ppbv	#	15
11) Trichlorofluoromethane	3.539	101	5493	0.029	ppbv	#	77
13) Ethanol	3.214	45	594875	110.556	ppbv		96
15) Acetone	3.452	43	171424	1.192	ppbv		97
19) Isopropyl Alcohol	3.279	45	20064	0.258	ppbv	#	1
20) Methylene Chloride	3.912	84	33479	0.481	ppbv		84
23) Vinyl Acetate	4.603	43	2813	0.048	ppbv	#	1
25) Ethyl Acetate	5.192	43	22967	0.087	ppbv	#	86
26) Hexane	5.195	57	28504	0.247	ppbv	#	40
36) Benzene	6.343	78	5534	0.023	ppbv	#	78
39) 1,2-Dichloropropane	6.629	63	716263	7.661	ppbv	#	26
53) Toluene	9.201	91	33867	0.124	ppbv		94

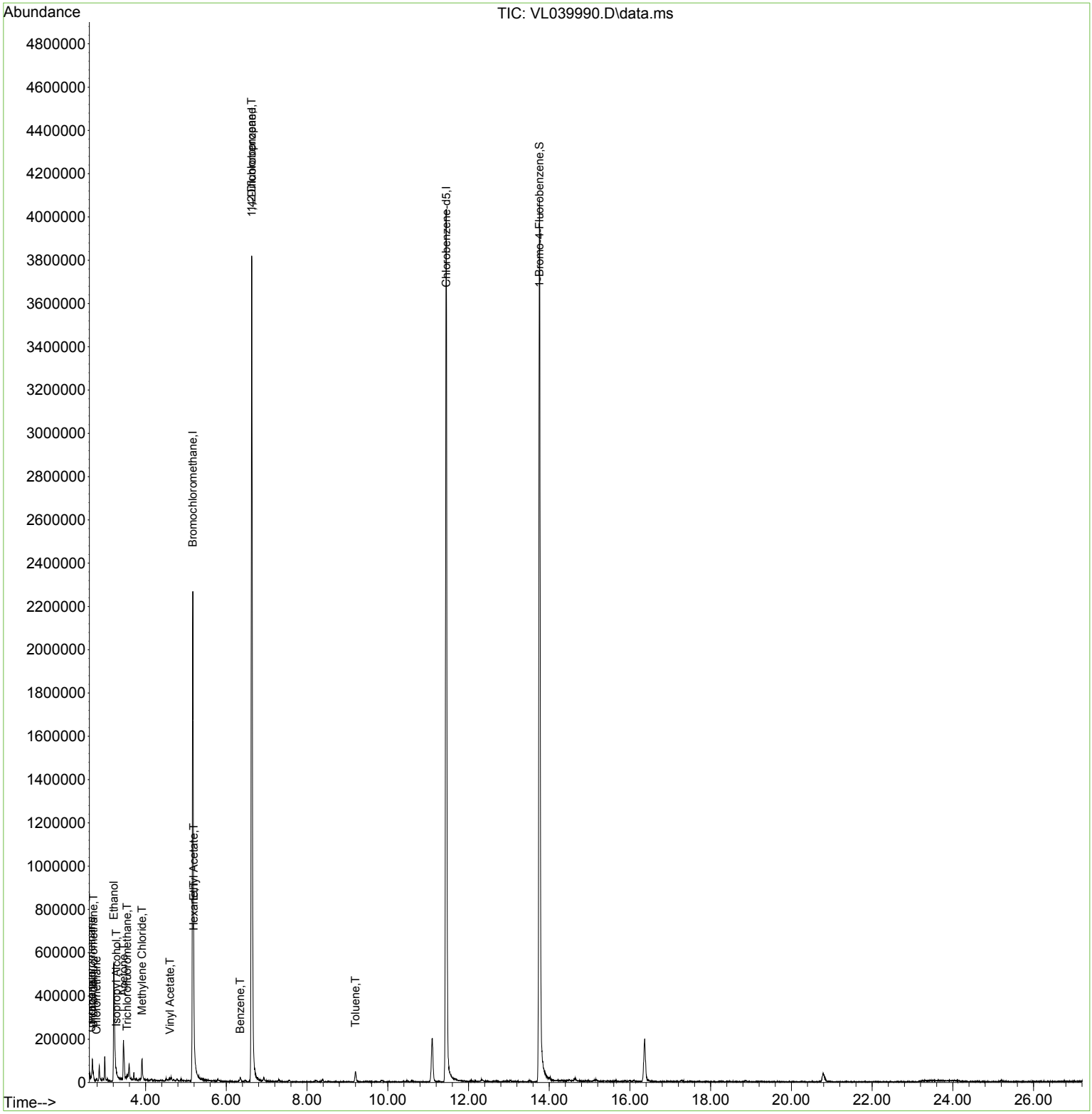
(#) = qualifier out of range (m) = manual integration (+) = signals summed

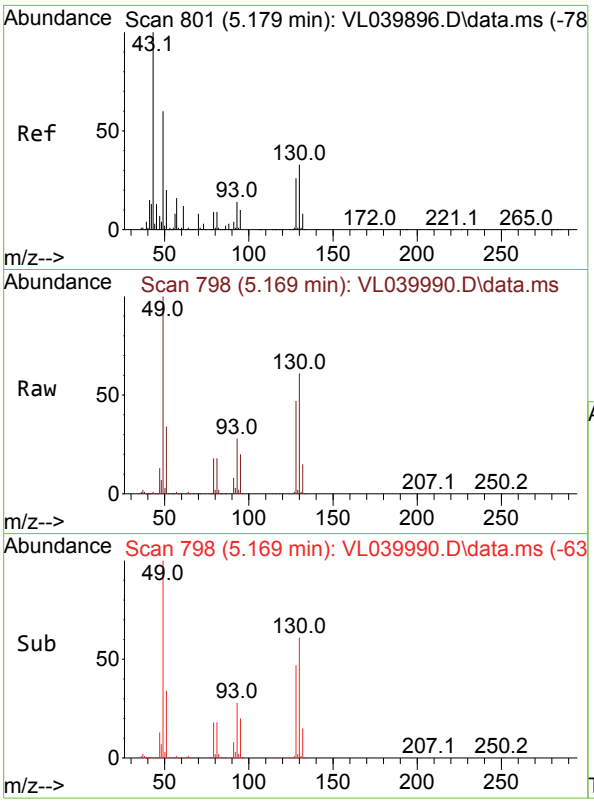
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
Data File : VL039990.D
Acq On : 13 Dec 2022 00:23
Operator : SY/MD
Sample : N5971-09DL 5X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Quant Time: Dec 13 07:11:43 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri Dec 02 23:21:36 2022
Response via : Initial Calibration



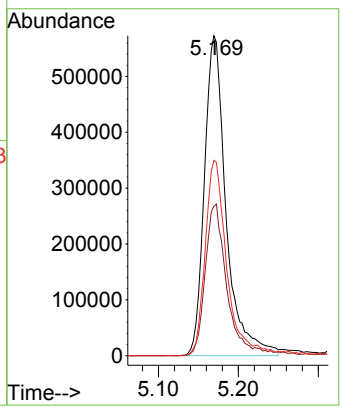


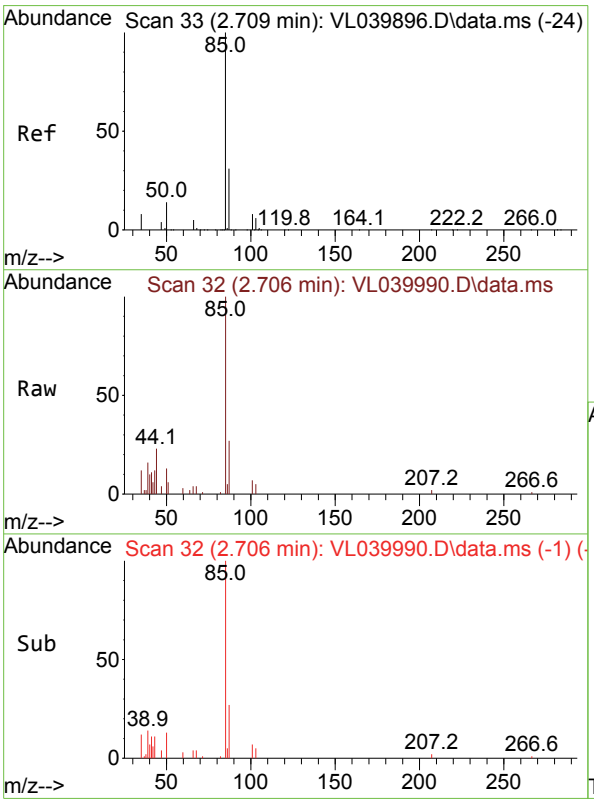
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 7
Delta R.T. 0.013 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 49 Resp: 1084241

Ion	Ratio	Lower	Upper
49	100		
128	48.7	22.1	66.3
130	62.2	27.7	83.1

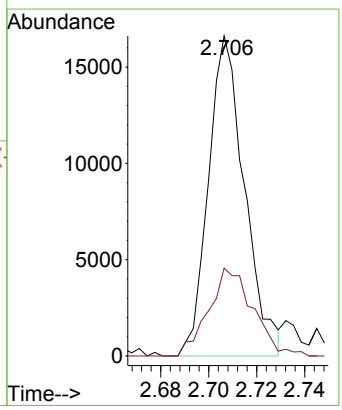


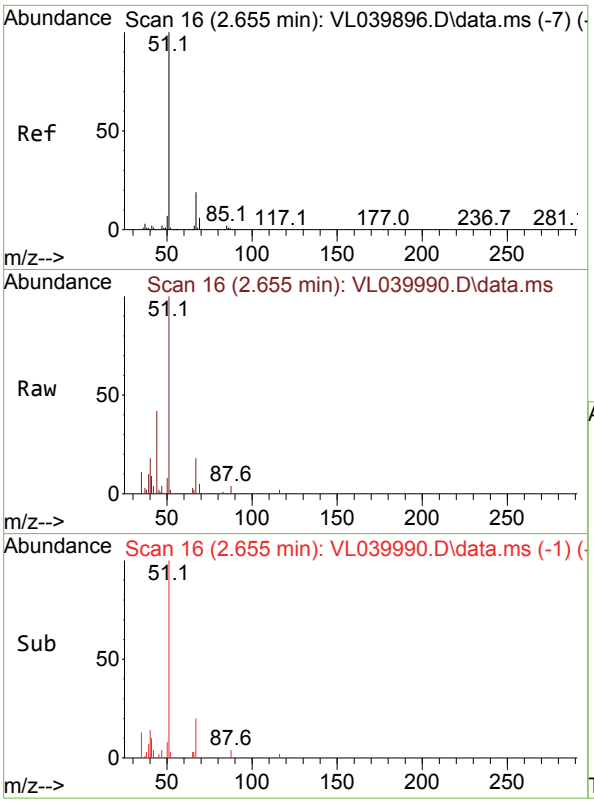


#2
Dichlorodifluoromethane
Concen: 0.112 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.010 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 85 Resp: 17403

Ion	Ratio	Lower	Upper
85	100		
87	27.5	25.0	37.4



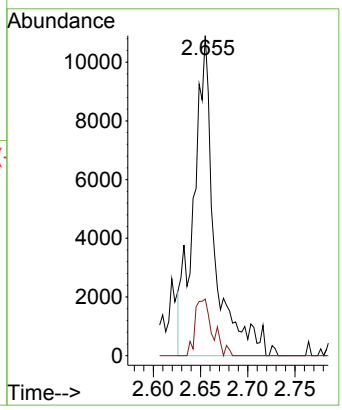


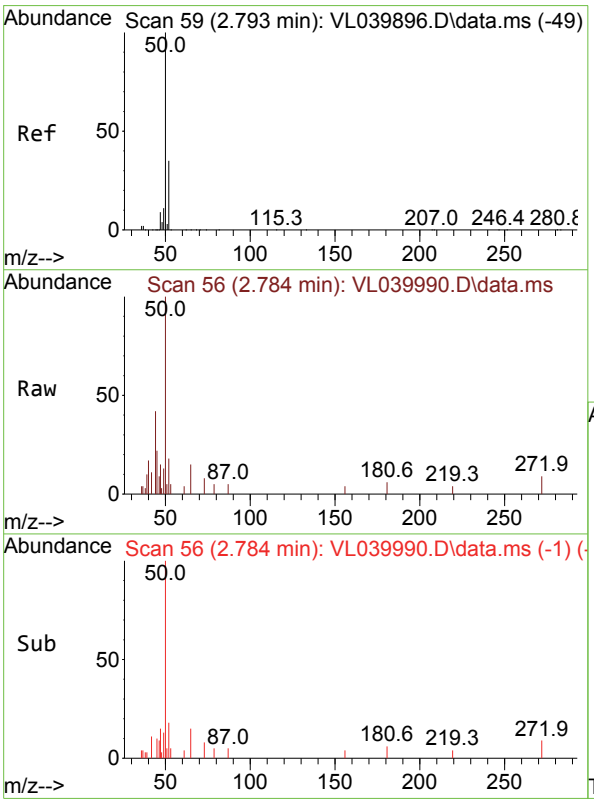
#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.655 min Scan# 1
Delta R.T. 0.013 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 51 Resp: 17005

Ion	Ratio	Lower	Upper
51	100		
67	14.4	14.2	21.4

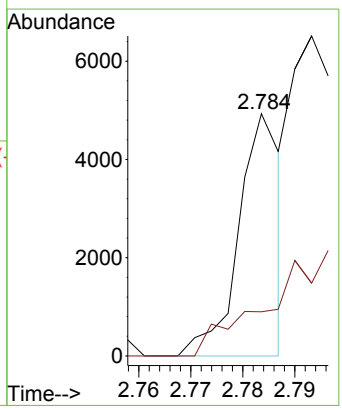


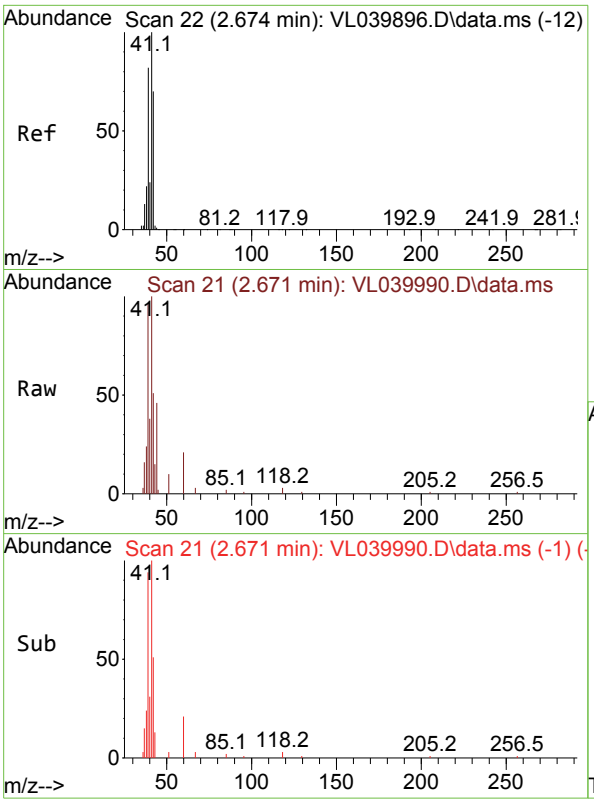


#4
Chloromethane
Concen: 0.029 ppbv
RT: 2.784 min Scan# 56
Delta R.T. 0.003 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 50 Resp: 2792

Ion	Ratio	Lower	Upper
50	100		
52	17.4	27.8	41.8#



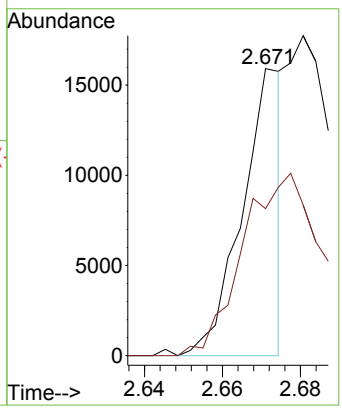


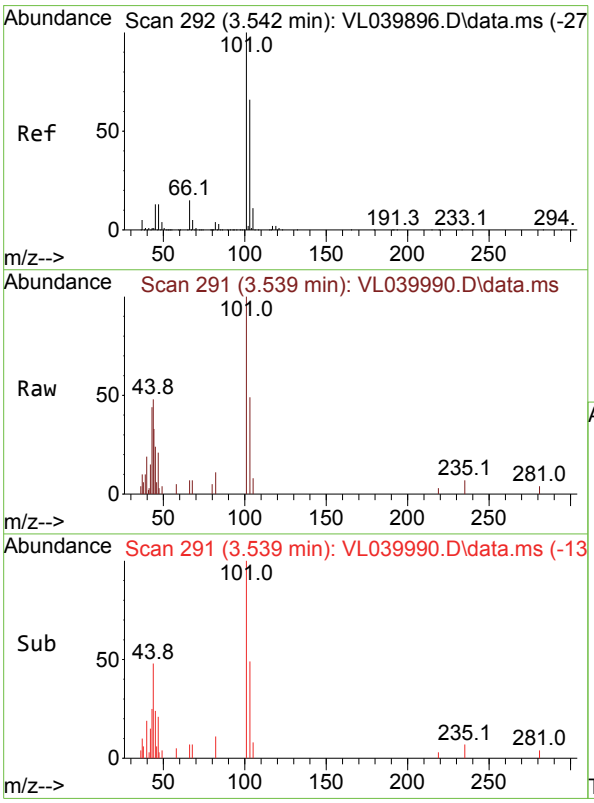
#9
Propene
Concen: 0.160 ppbv
RT: 2.671 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 41 Resp: 11287

Ion	Ratio	Lower	Upper
41	100		
42	0.0	55.8	83.6#

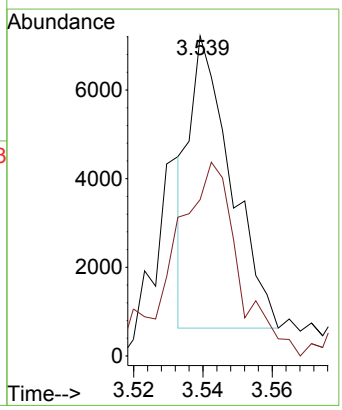


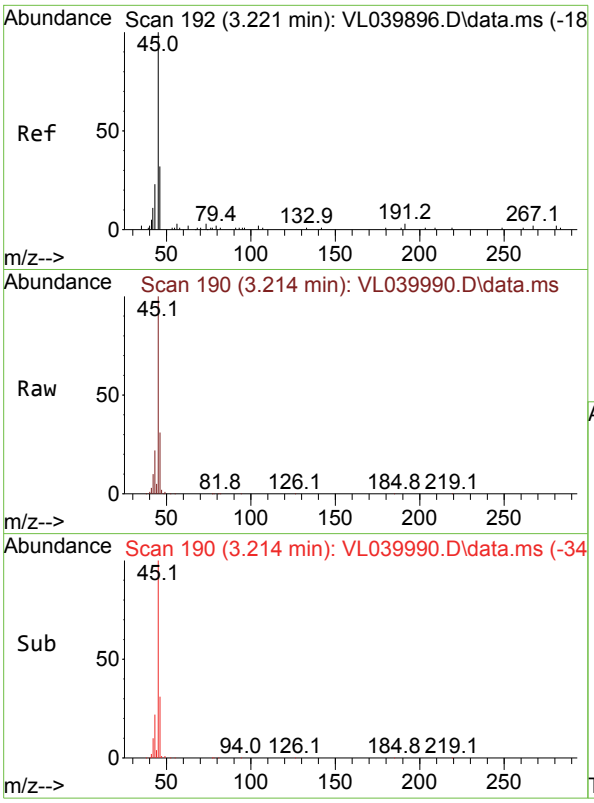


#11
Trichlorofluoromethane
Concen: 0.029 ppbv
RT: 3.539 min Scan# 291
Delta R.T. 0.010 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion:101 Resp: 5493

Ion	Ratio	Lower	Upper
101	100		
103	47.6	52.6	78.8#



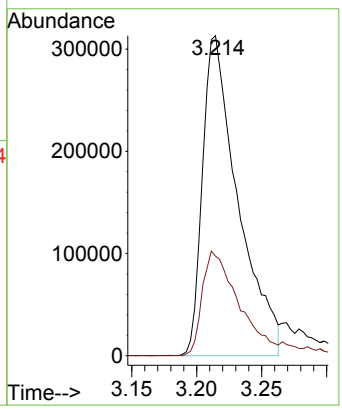


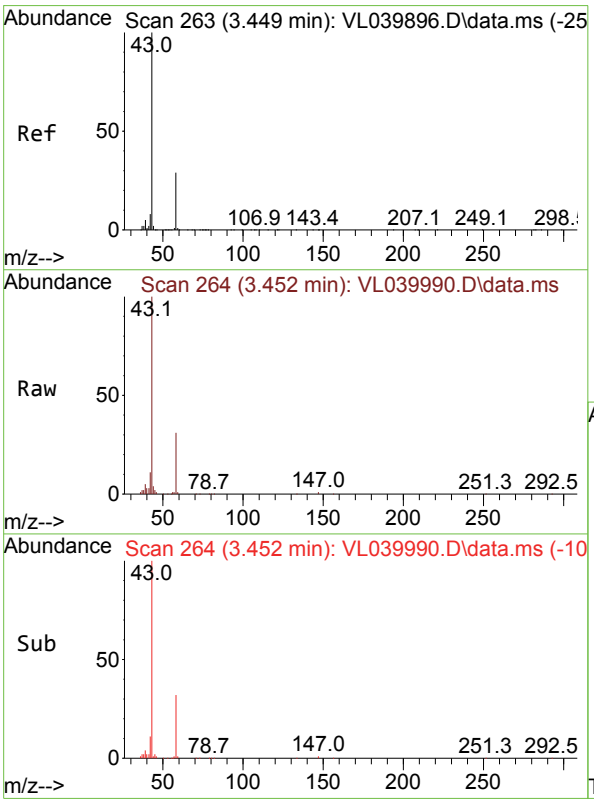
#13
Ethanol
Concen: 110.556 ppbv
RT: 3.214 min Scan# 1
Delta R.T. 0.000 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 594875

Ion	Ratio	Lower	Upper
45	100		
46	38.6	14.6	58.2

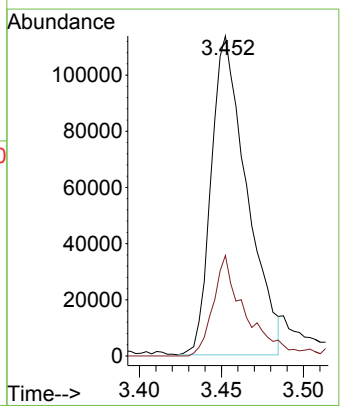


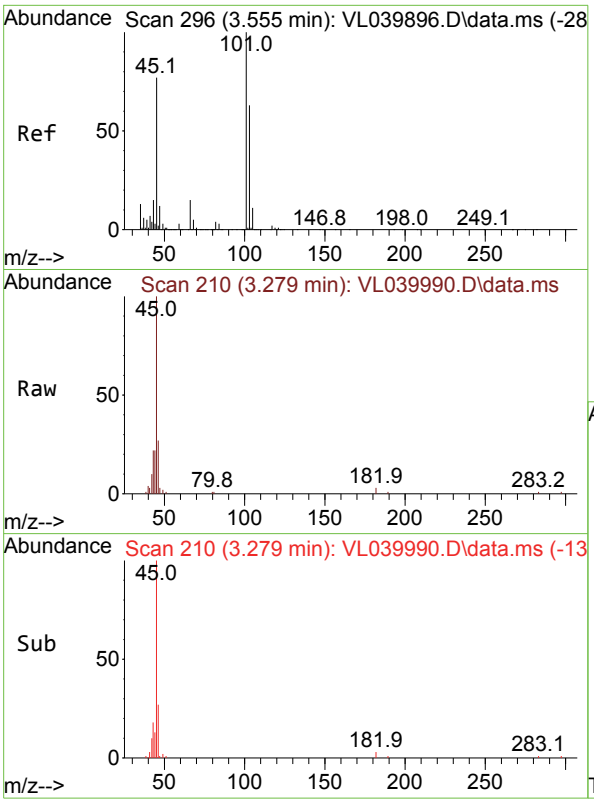


#15
Acetone
Concen: 1.192 ppbv
RT: 3.452 min Scan# 264
Delta R.T. 0.019 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 43 Resp: 171424

Ion	Ratio	Lower	Upper
43	100		
58	29.9	22.9	34.3



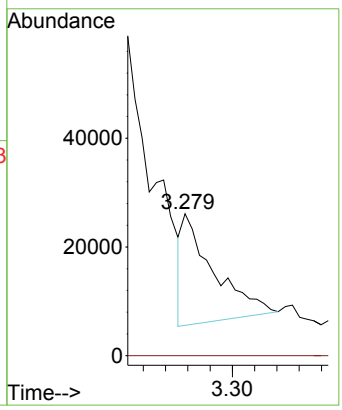


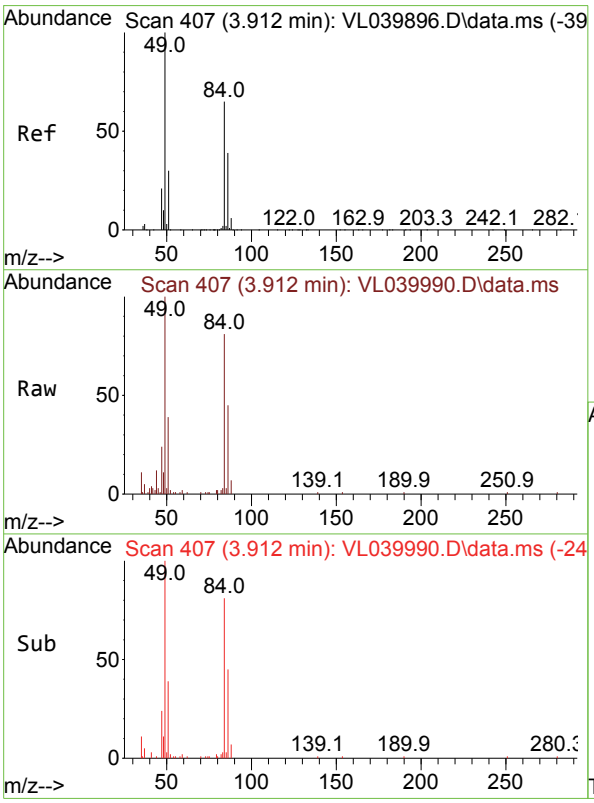
#19
Isopropyl Alcohol
Concen: 0.258 ppbv
RT: 3.279 min Scan# 21
Delta R.T. -0.263 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 45 Resp: 20064

Ion	Ratio	Lower	Upper
45	100		
58	258.8	38.7	58.1#

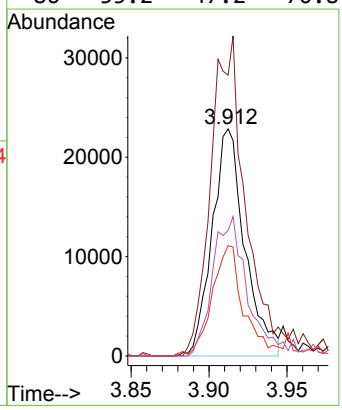


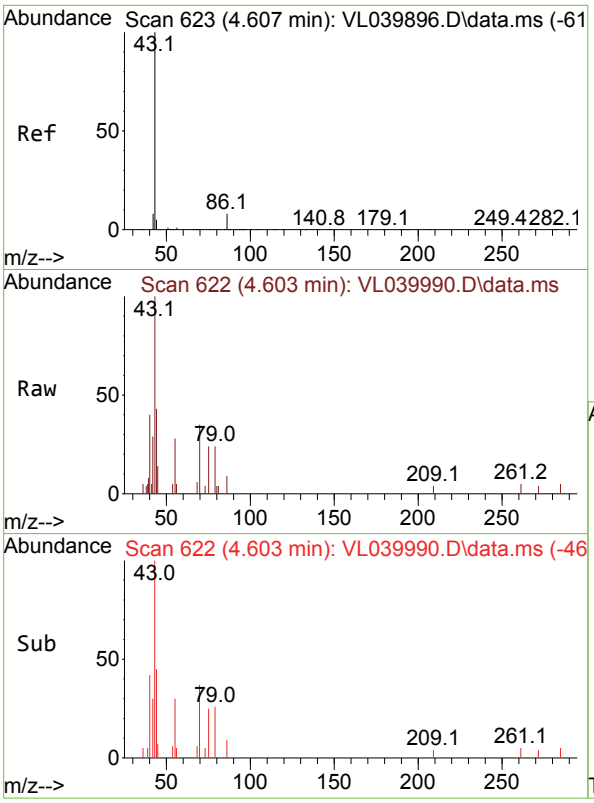


#20
Methylene Chloride
Concen: 0.481 ppbv
RT: 3.912 min Scan# 407
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 84 Resp: 33479

Ion	Ratio	Lower	Upper
84	100		
49	123.0	122.2	183.4
51	47.4	36.3	54.5
86	55.2	47.2	70.8



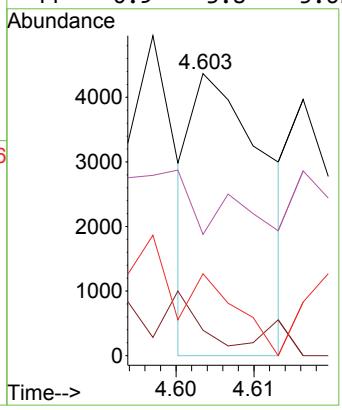


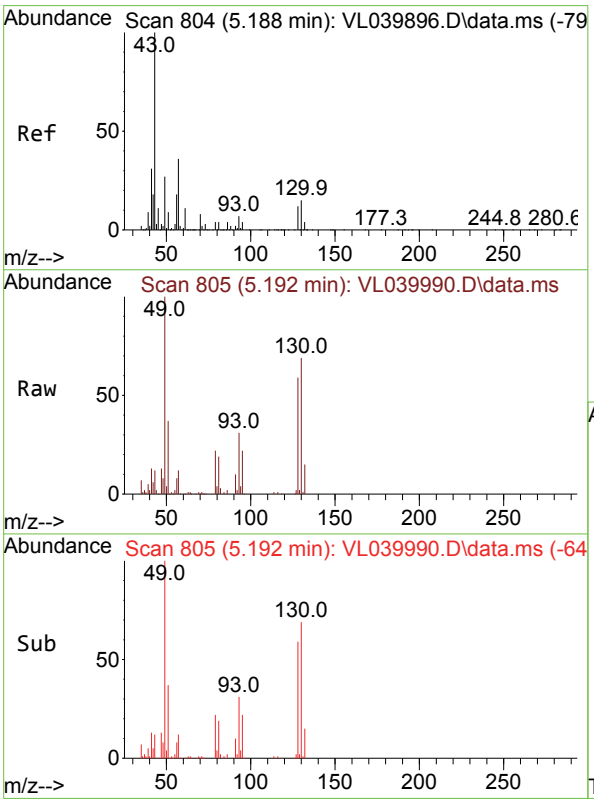
#23
Vinyl Acetate
Concen: 0.048 ppbv
RT: 4.603 min Scan# 6
Delta R.T. 0.010 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 43 Resp: 2813

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	91.5	7.6	11.4#
44	0.9	3.8	5.6#

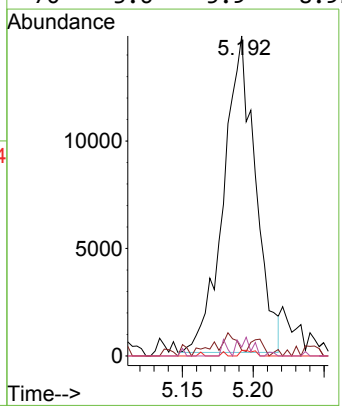


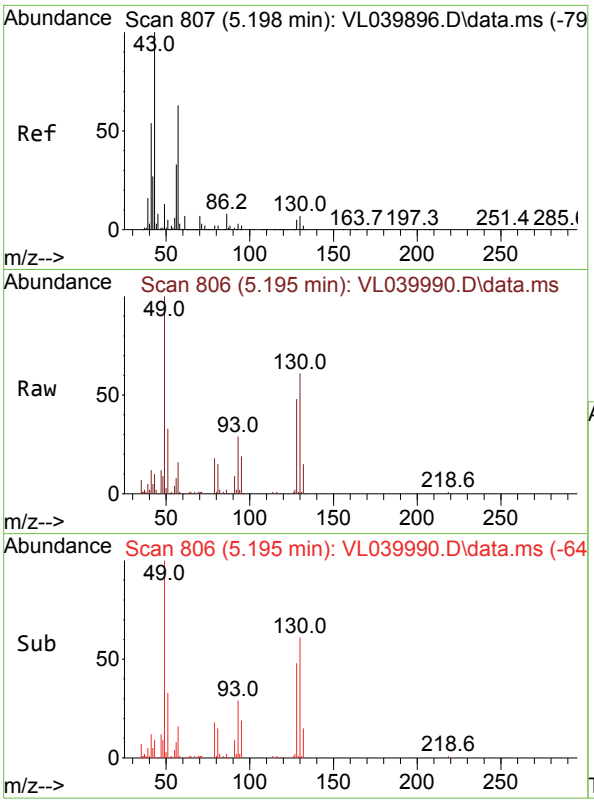


#25
Ethyl Acetate
Concen: 0.087 ppbv
RT: 5.192 min Scan# 805
Delta R.T. 0.023 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 43 Resp: 22967

Ion	Ratio	Lower	Upper
43	100		
45	9.0	8.4	12.6
61	0.8	8.5	12.7#
70	3.6	5.9	8.9#



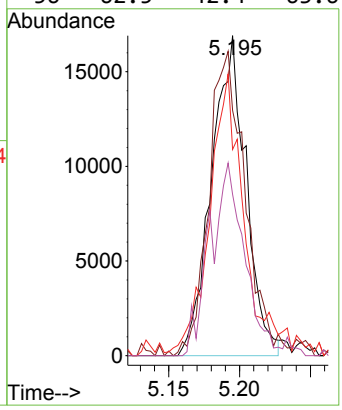


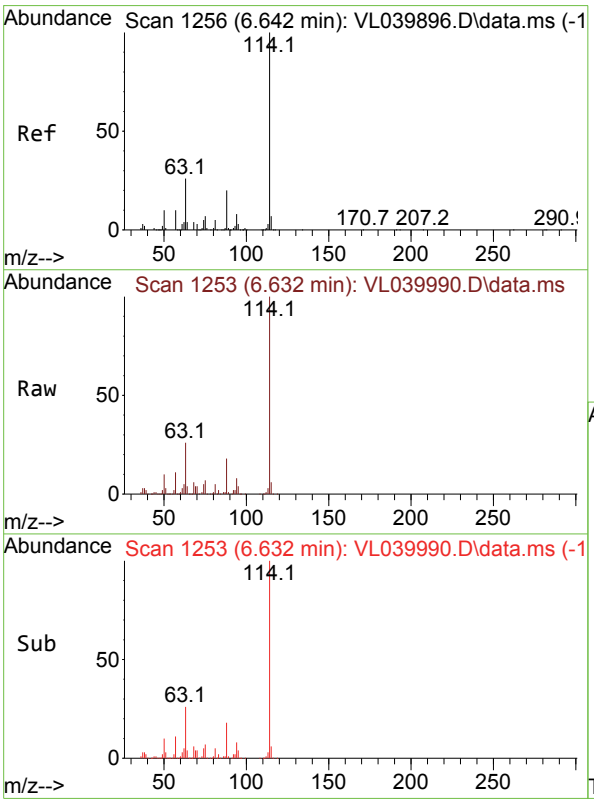
#26
Hexane
Concen: 0.247 ppbv
RT: 5.195 min Scan# 8
Delta R.T. 0.019 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 57 Resp: 28504

Ion	Ratio	Lower	Upper
57	100		
41	105.1	72.3	108.5
43	88.3	188.7	283.1#
56	62.5	42.4	63.6

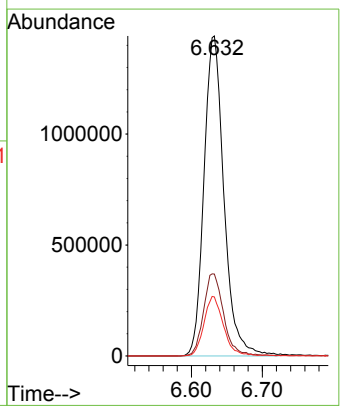


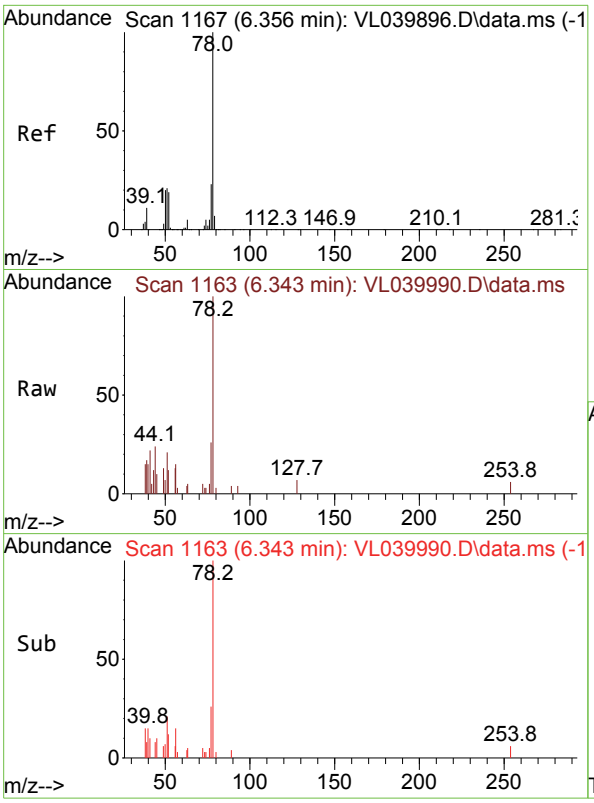


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.632 min Scan# 1253
Delta R.T. 0.013 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion:114 Resp: 2823245

Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.4	32.0
88	18.4	15.3	22.9



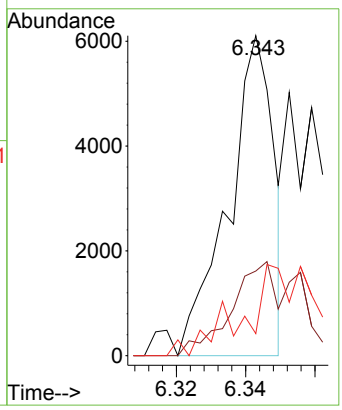


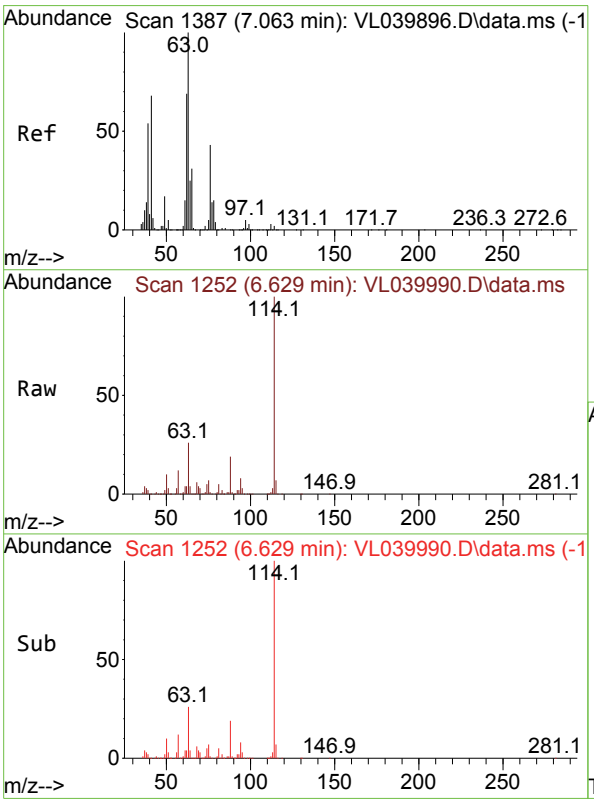
#36
Benzene
Concen: 0.023 ppbv
RT: 6.343 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 78 Resp: 5534

Ion	Ratio	Lower	Upper
78	100		
77	26.4	18.2	27.2
50	1.9	15.8	23.8#

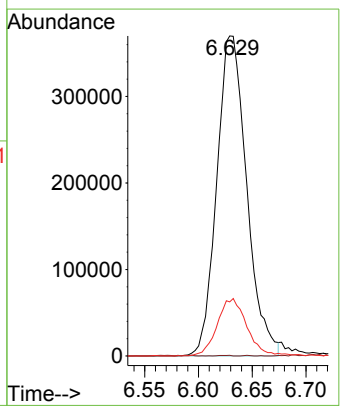


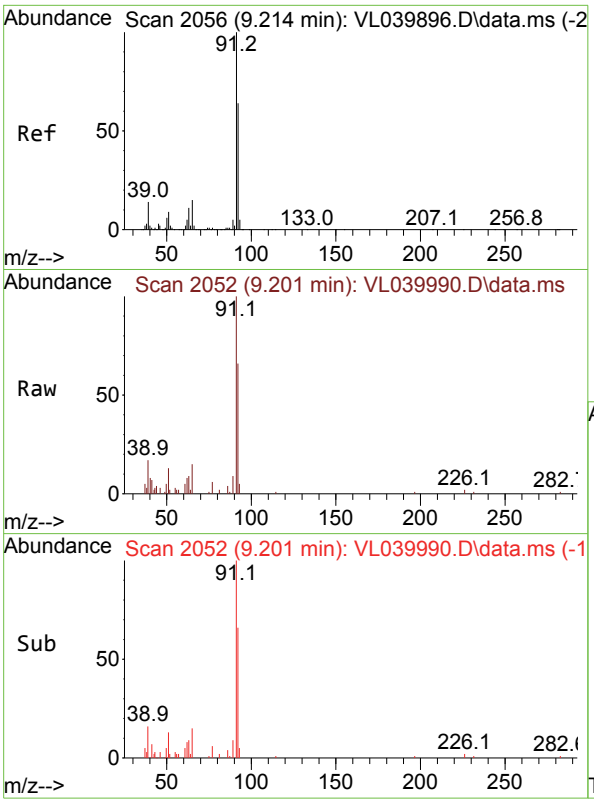


#39
1,2-Dichloropropane
Concen: 7.661 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. -0.405 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion: 63 Resp: 716263

Ion	Ratio	Lower	Upper
63	100		
41	0.1	54.7	82.1#
62	16.8	55.0	82.6#



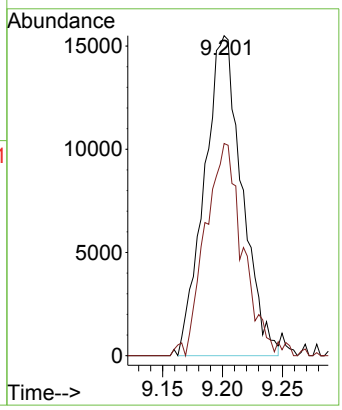


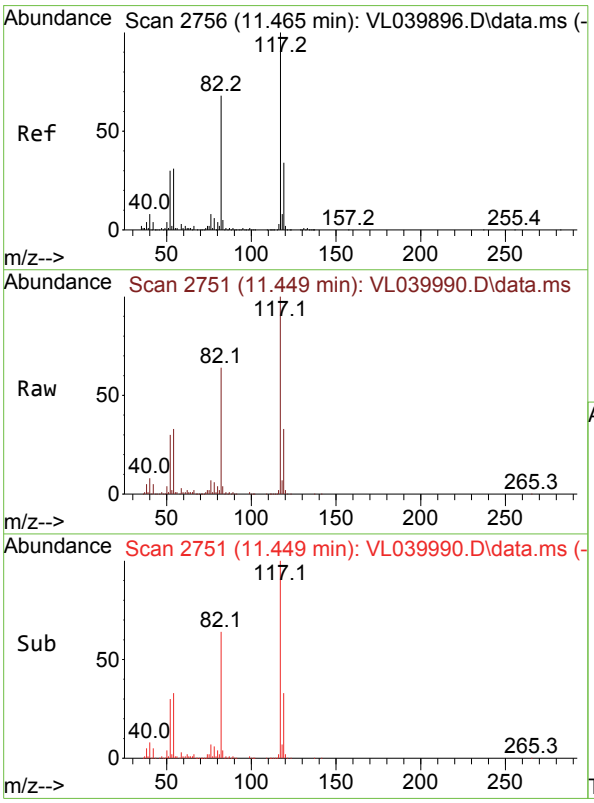
#53
Toluene
Concen: 0.124 ppbv
RT: 9.201 min Scan# 2
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 91 Resp: 33867

Ion	Ratio	Lower	Upper
91	100		
92	66.9	49.8	74.6

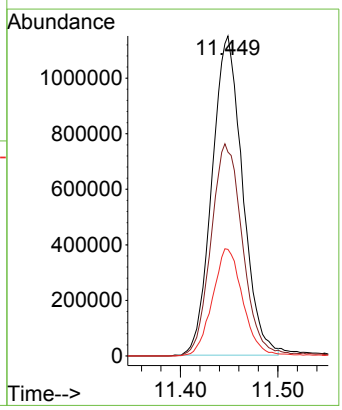


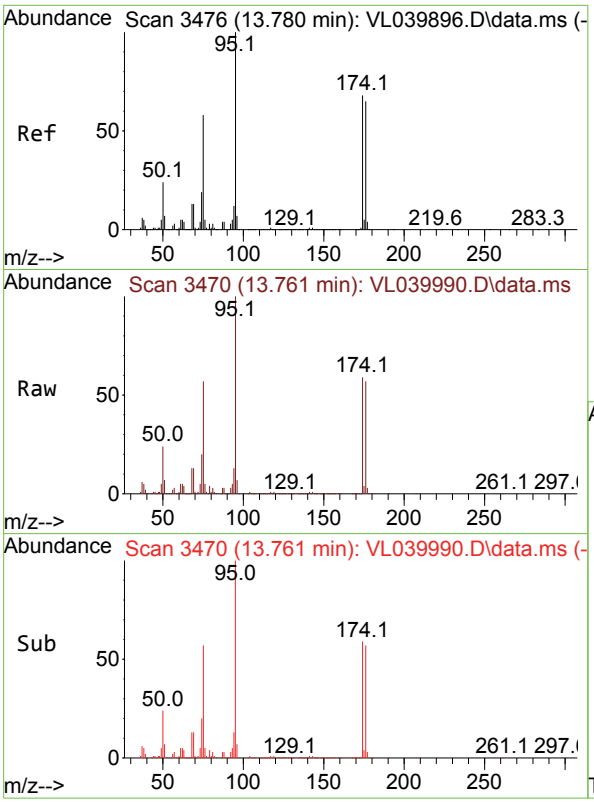


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 2751
Delta R.T. 0.016 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Tgt Ion:117 Resp: 2496810

Ion	Ratio	Lower	Upper
117	100		
82	69.8	52.3	78.5
119	34.1	25.7	38.5





#68
1-Bromo-4-Fluorobenzene
Concen: 10.901 ppbv
RT: 13.761 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL039990.D
Acq: 13 Dec 2022 00:23

Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

Tgt Ion: 95 Resp: 2078886

Ion	Ratio	Lower	Upper
95	100		
174	60.3	53.7	80.5
175	4.4	4.0	6.0