Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101722\
Data File : VL039727.D
Acq On : 17 Oct 2022 20:00
Operator : SY/AP
Sample : N5169-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Quant Time: Oct 18 05:29:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Oct 18 05:23:57 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.227	49	1099827	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.684	114	2916998	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.497	117	2545482	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1878216	9.884	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 98.800%			
Target Compounds						Qvalue
13) Ethanol	3.282	45	801	0.176	ppbv #	23
15) Acetone	3.517	43	92748	0.758	ppbv #	81
20) Methylene Chloride	3.970	84	44312	0.783	ppbv	93
25) Ethyl Acetate	5.250	43	23796	0.089	ppbv #	79
26) Hexane	5.253	57	20650	0.182	ppbv #	24
29) Chloroform	5.308	83	779867	4.770	ppbv	99
35) Carbon Tetrachloride	6.526	117	197543	1.276	ppbv	96
39) 1,2-Dichloropropane	6.687	63	702375	8.156	ppbv #	25
52) Tetrachloroethene	10.642	164	5653	0.066	ppbv #	65
53) Toluene	9.253	91	33728	0.136	ppbv #	70
58) Ethyl Benzene	12.114	91	9853	0.034	ppbv	97
59) m/p-Xylene	12.410	91	9885	0.038	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.137	105	51292	0.176	ppbv #	63

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

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MSVOA_L
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SV1DL

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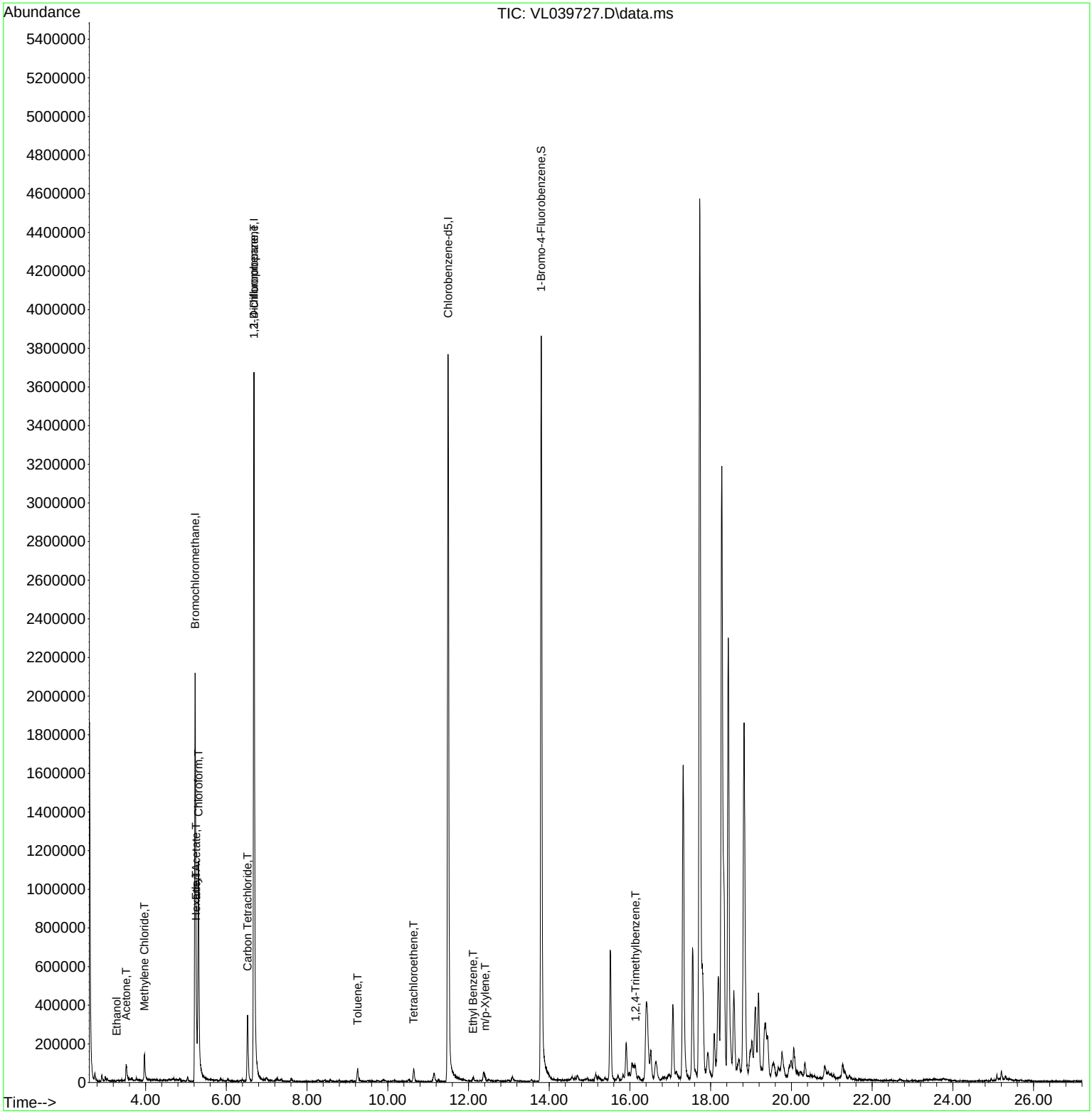
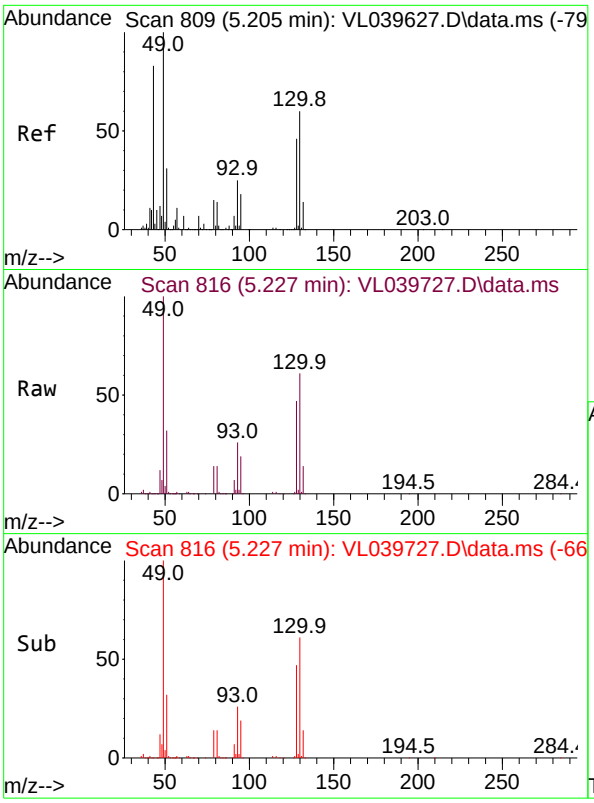


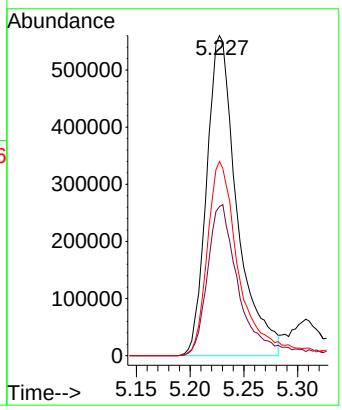


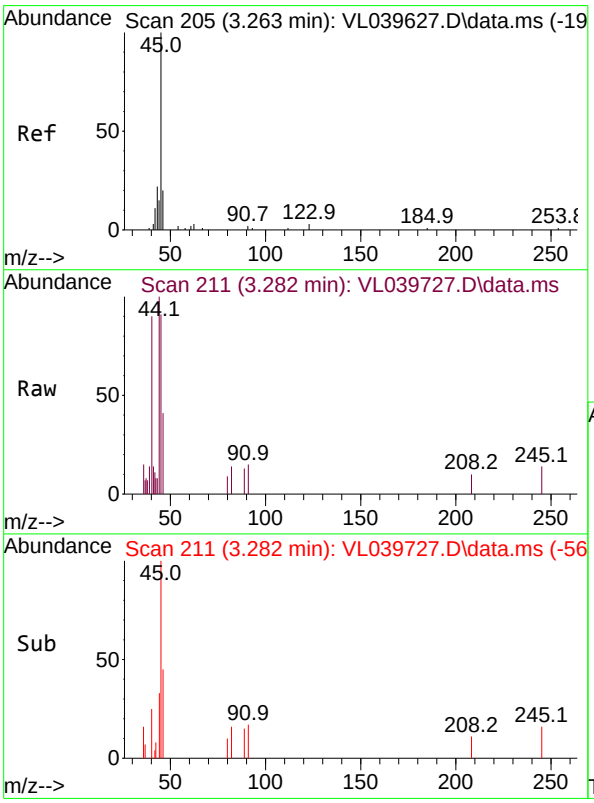
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 1099827

Ion	Ratio	Lower	Upper
49	100		
128	51.4	26.7	80.0
130	66.3	34.3	102.8

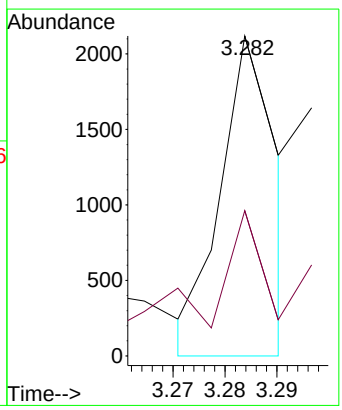


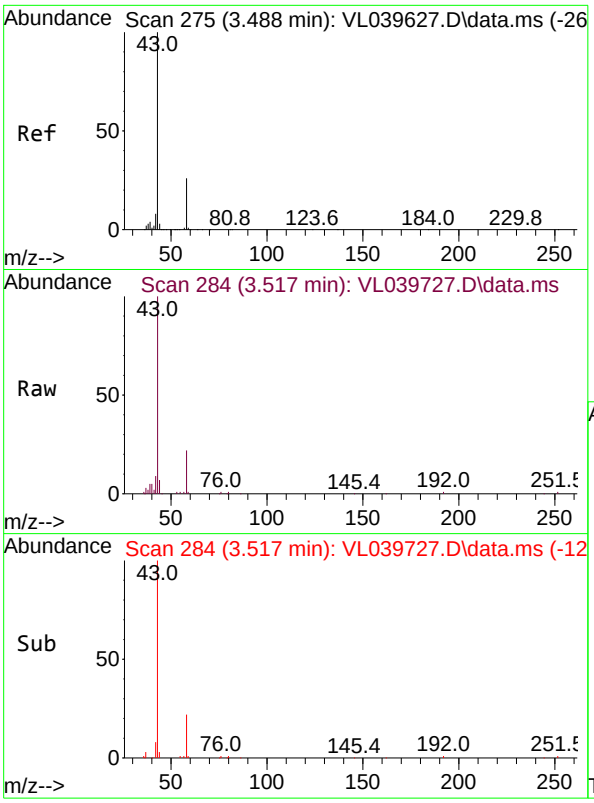


#13
Ethanol
Concen: 0.176 ppbv
RT: 3.282 min Scan# 211
Delta R.T. -0.000 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 45 Resp: 801

Ion	Ratio	Lower	Upper
45	100		
46	0.0	22.8	91.2#



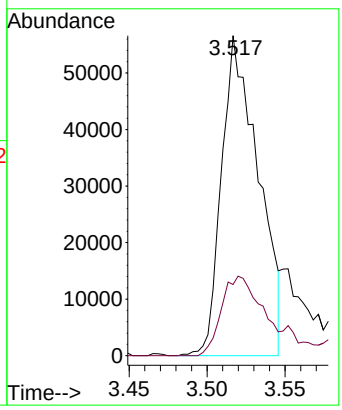


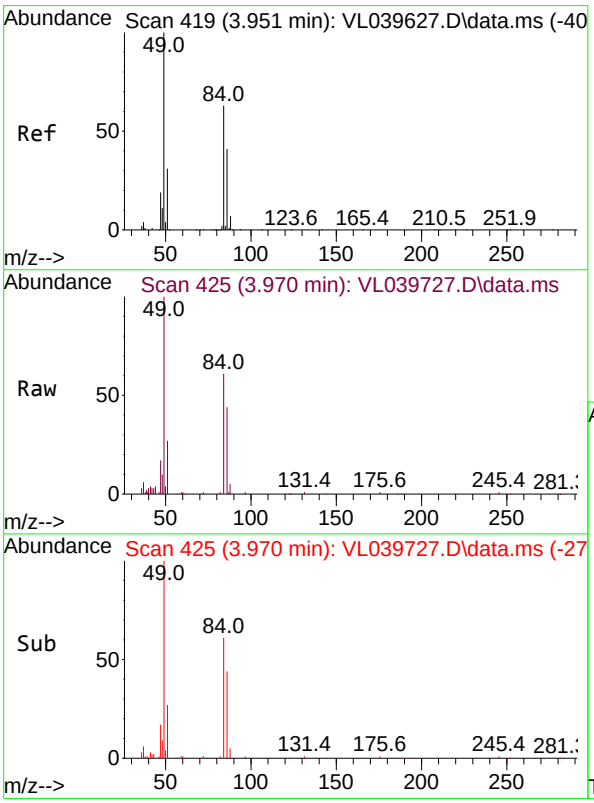
#15
Acetone
Concen: 0.758 ppbv
RT: 3.517 min Scan# 2
Delta R.T. 0.013 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 92748

Ion	Ratio	Lower	Upper
43	100		
58	36.0	21.0	31.6#

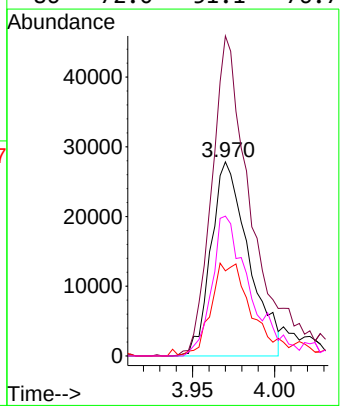


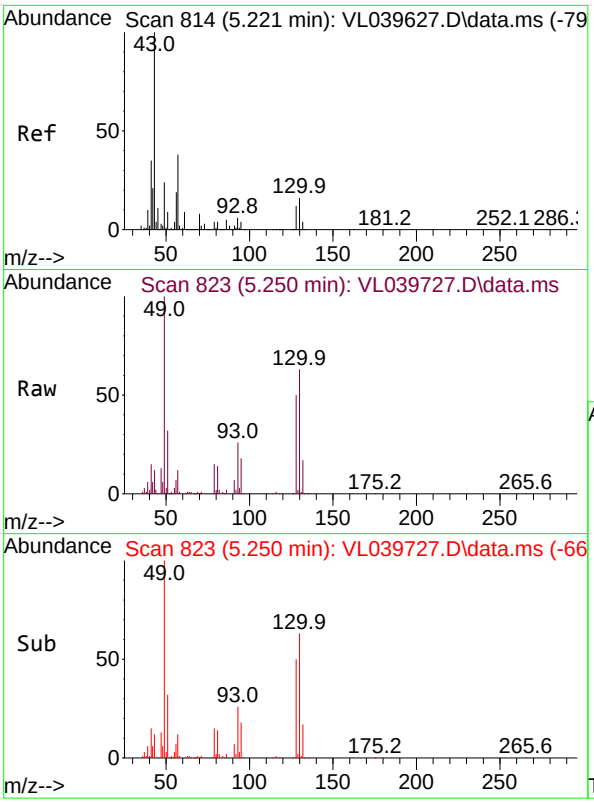


#20
Methylene Chloride
Concen: 0.783 ppbv
RT: 3.970 min Scan# 425
Delta R.T. -0.000 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 84 Resp: 44312

Ion	Ratio	Lower	Upper
84	100		
49	164.3	123.1	184.7
51	43.3	34.4	51.6
86	72.0	51.1	76.7



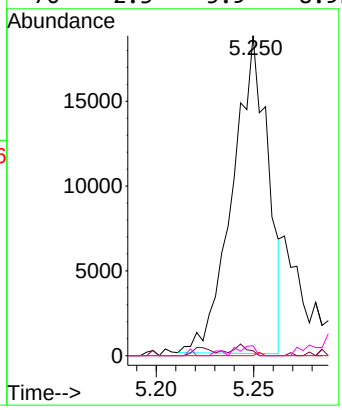


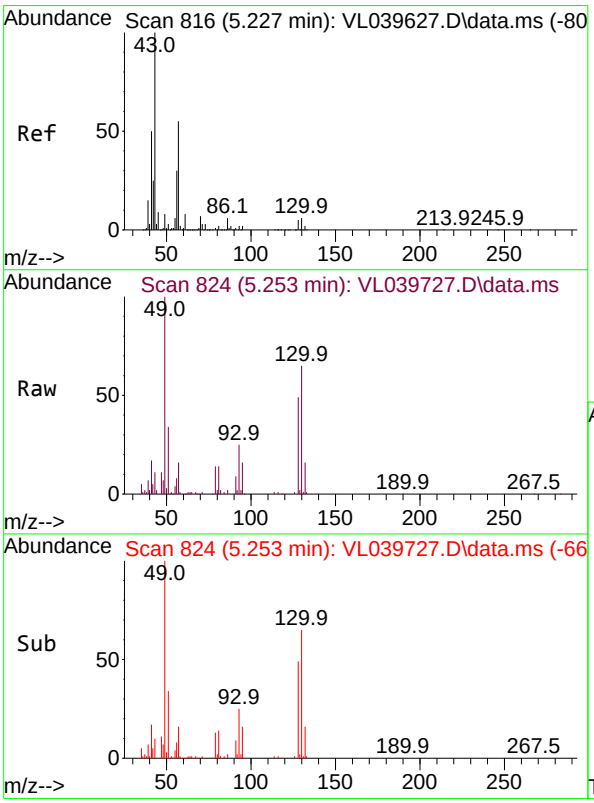
#25
Ethyl Acetate
Concen: 0.089 ppbv
RT: 5.250 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 43 Resp: 23796

Ion	Ratio	Lower	Upper
43	100		
45	3.0	8.2	12.4#
61	0.2	8.3	12.5#
70	2.3	5.9	8.9#

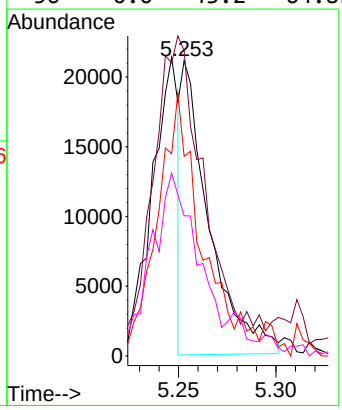


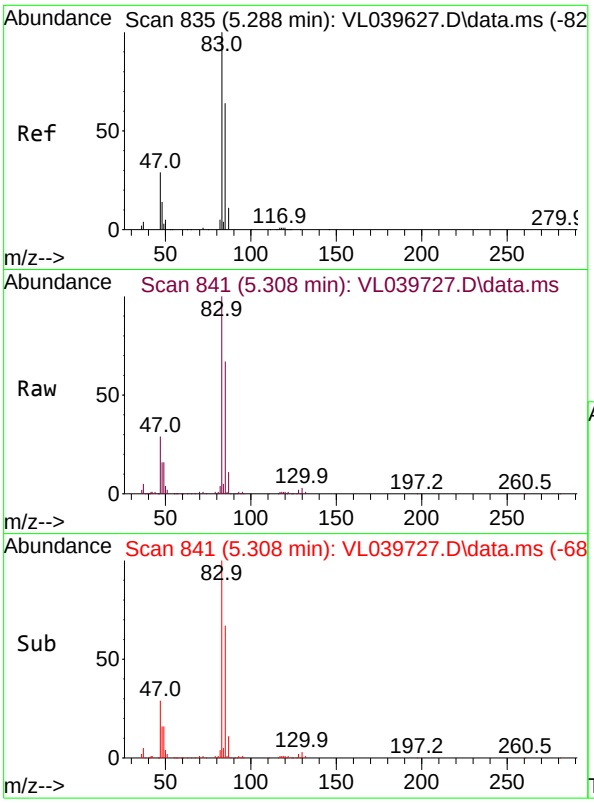


#26
Hexane
Concen: 0.182 ppbv
RT: 5.253 min Scan# 824
Delta R.T. 0.006 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 57 Resp: 20650

Ion	Ratio	Lower	Upper
57	100		
41	238.0	76.9	115.3#
43	157.0	191.0	286.6#
56	0.0	43.2	64.8#



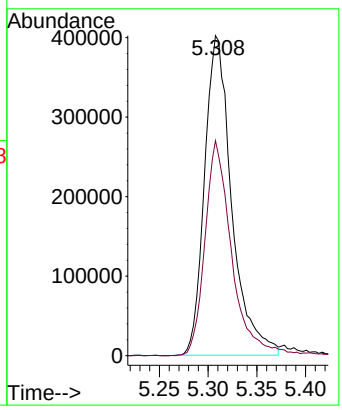


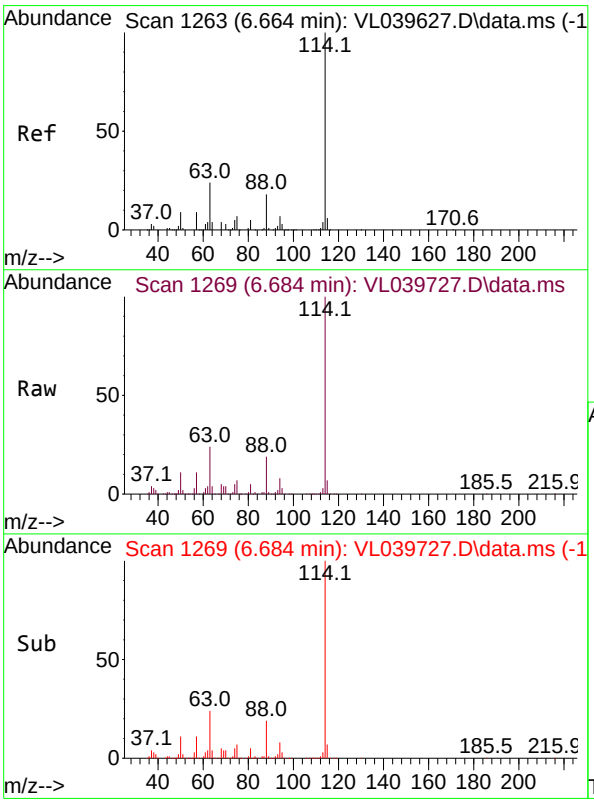
#29
Chloroform
Concen: 4.770 ppbv
RT: 5.308 min Scan# 84
Delta R.T. -0.000 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 83 Resp: 779867

Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.8	79.2

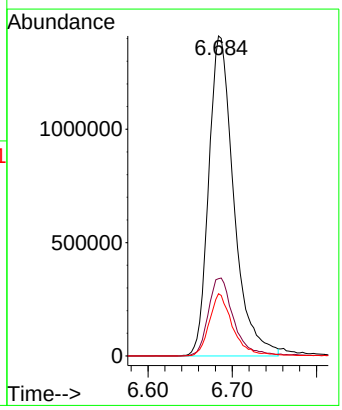


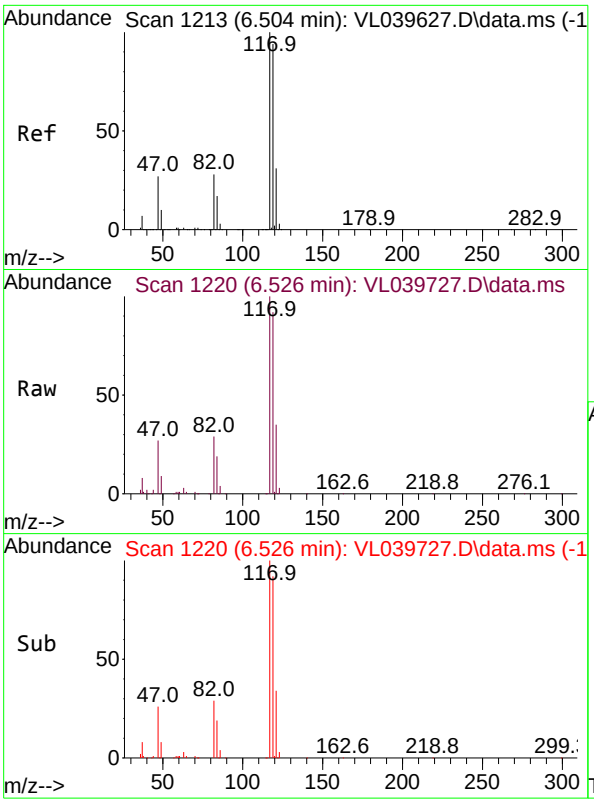


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.684 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion:114 Resp: 2916998

Ion	Ratio	Lower	Upper
114	100		
63	25.1	20.2	30.4
88	18.5	14.5	21.7



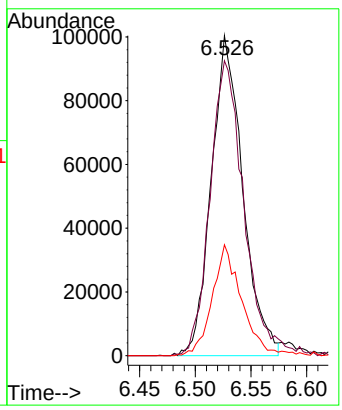


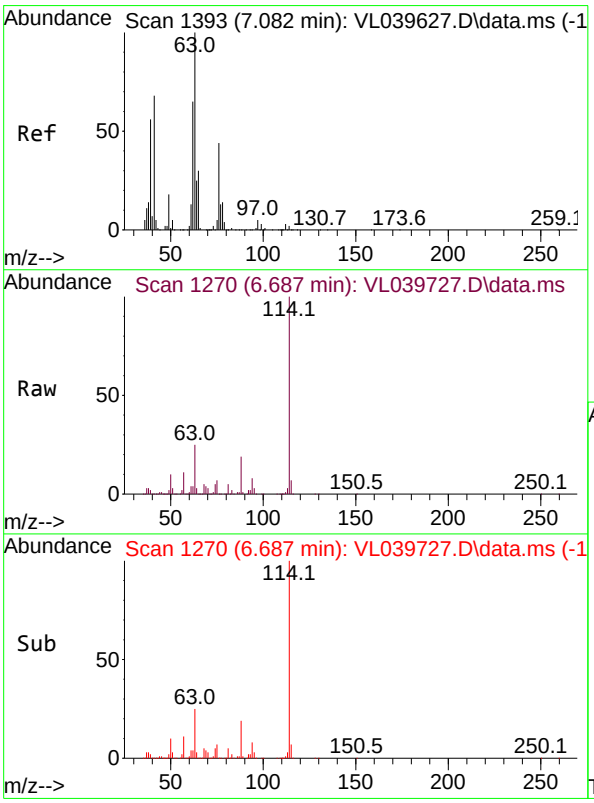
#35
Carbon Tetrachloride
Concen: 1.276 ppbv
RT: 6.526 min Scan# 1
Delta R.T. -0.000 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 197543

Ion	Ratio	Lower	Upper
117	100		
119	91.7	75.4	113.2
121	34.8	24.2	36.2

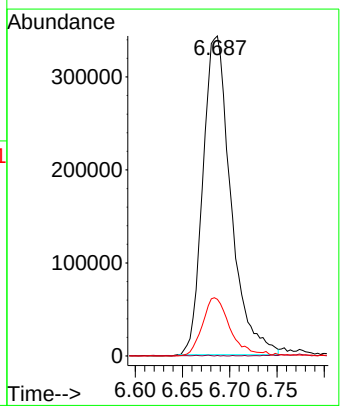


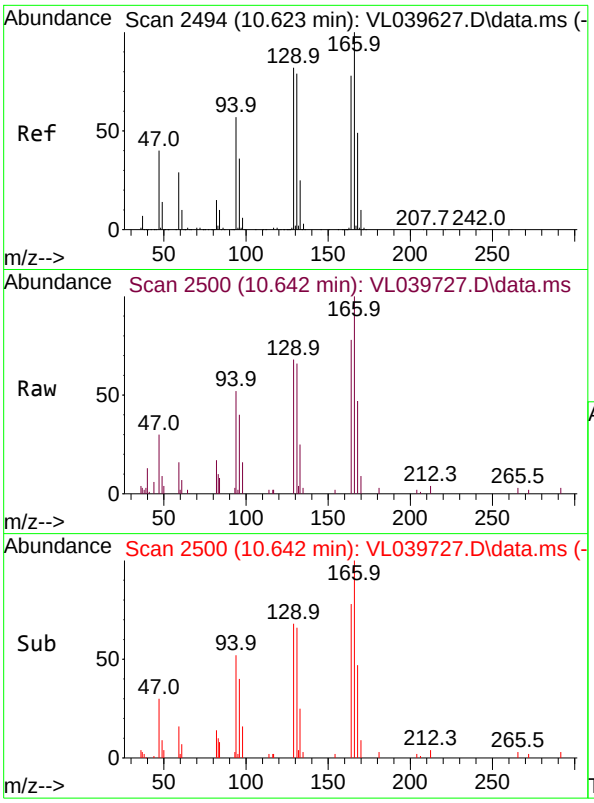


#39
1,2-Dichloropropane
Concen: 8.156 ppbv
RT: 6.687 min Scan# 1270
Delta R.T. -0.418 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 63 Resp: 702375

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.6	89.4#
62	17.8	51.4	77.0#



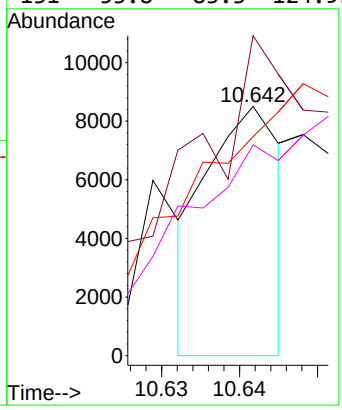


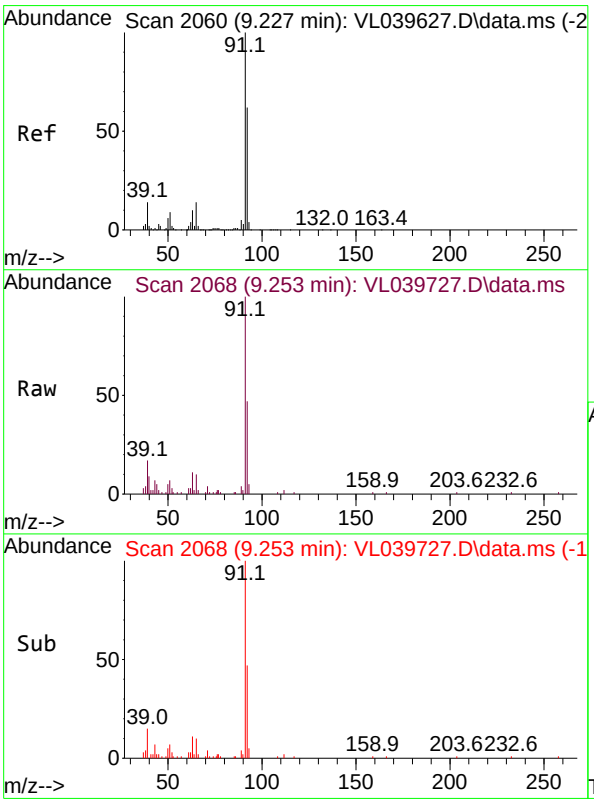
#52
Tetrachloroethene
Concen: 0.066 ppbv
RT: 10.642 min Scan# 2
Delta R.T. -0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:164 Resp: 5653

Ion	Ratio	Lower	Upper
164	100		
166	100.9	102.2	153.2#
129	70.0	85.8	128.8#
131	53.8	83.3	124.9#

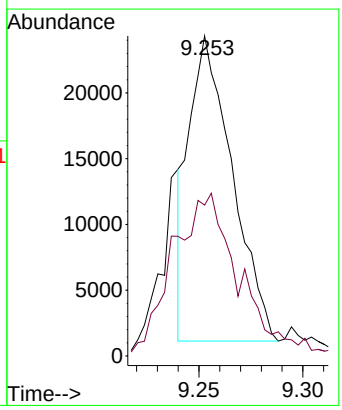


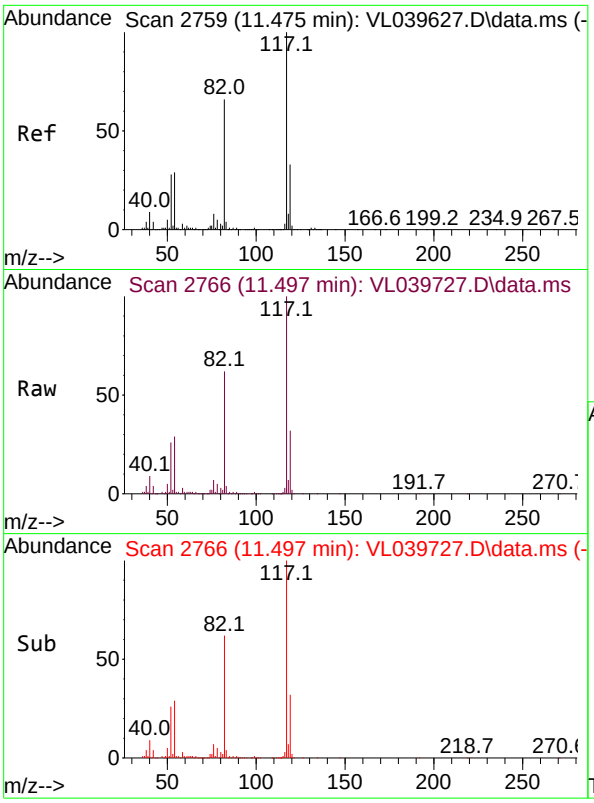


#53
Toluene
Concen: 0.136 ppbv
RT: 9.253 min Scan# 2068
Delta R.T. 0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 91 Resp: 33728

Ion	Ratio	Lower	Upper
91	100		
92	83.1	48.2	72.2#



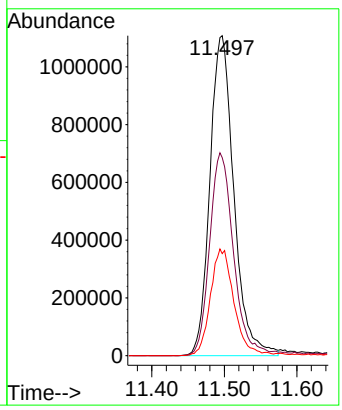


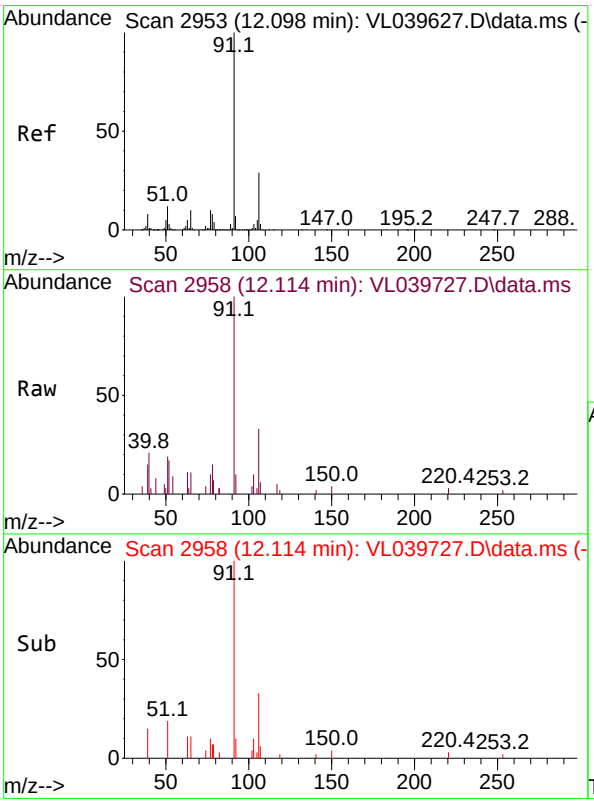
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 2545482

Ion	Ratio	Lower	Upper
117	100		
82	64.9	50.8	76.2
119	33.7	24.1	36.1

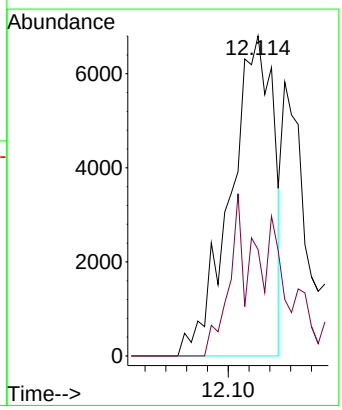


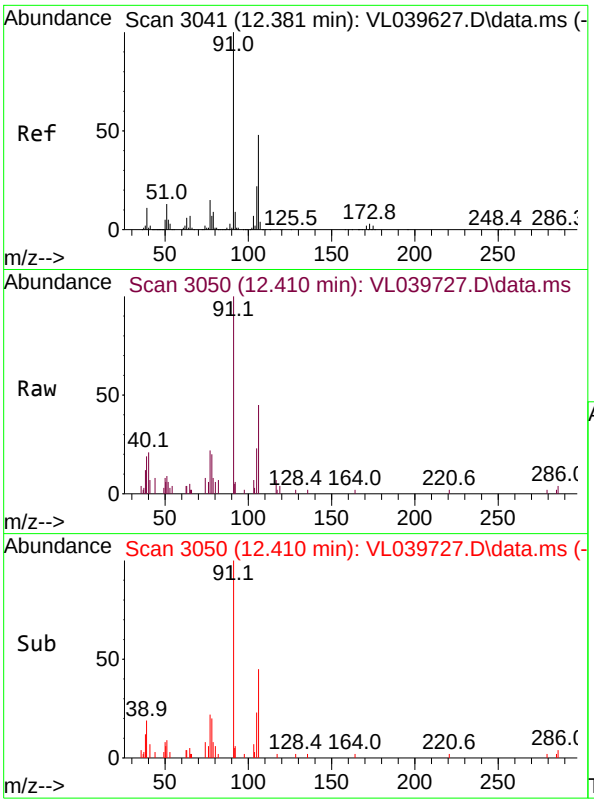


#58
Ethyl Benzene
Concen: 0.034 ppbv
RT: 12.114 min Scan# 2958
Delta R.T. -0.000 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 91 Resp: 9853

Ion	Ratio	Lower	Upper
91	100		
106	33.2	25.4	38.0



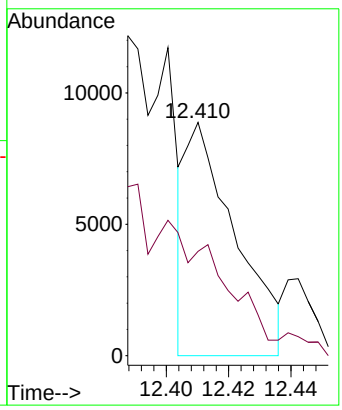


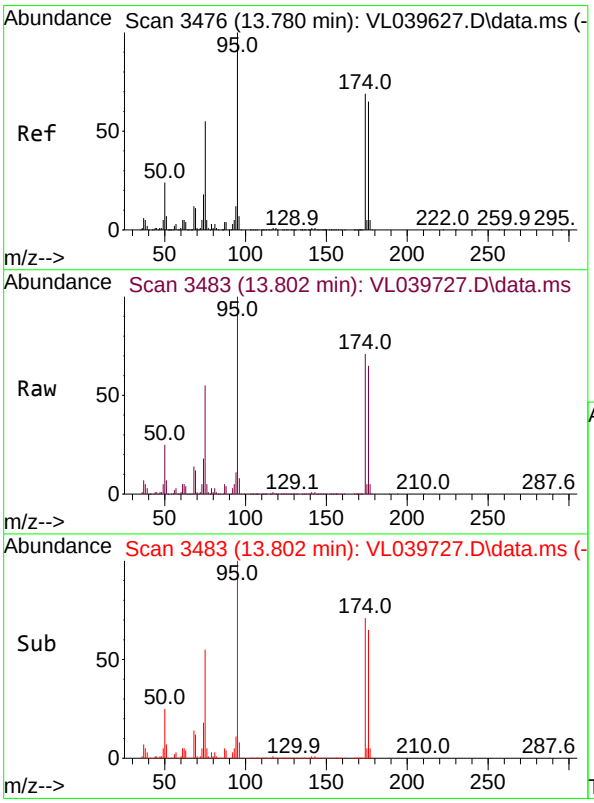
#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 12.410 min Scan# 3
Delta R.T. 0.010 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 91 Resp: 9885

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#

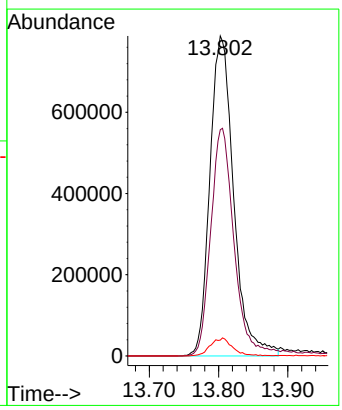


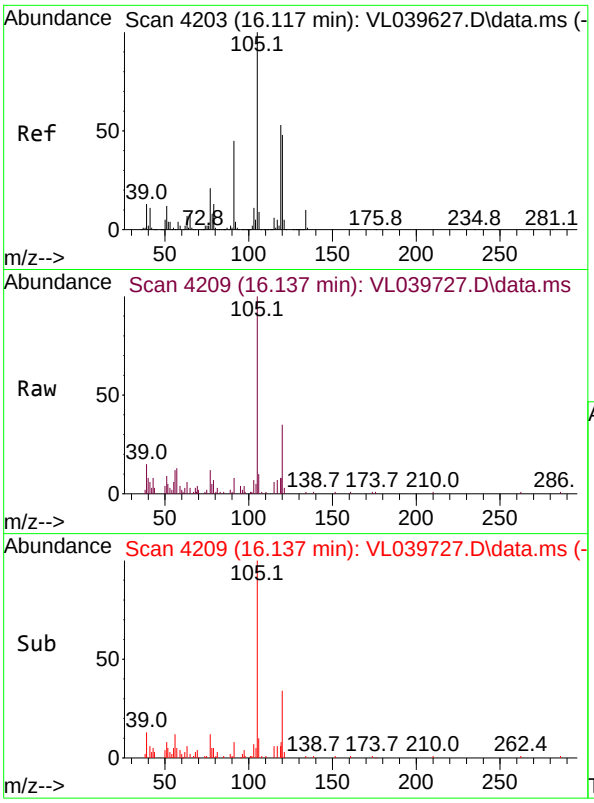


#68
1-Bromo-4-Fluorobenzene
Concen: 9.884 ppbv
RT: 13.802 min Scan# 3483
Delta R.T. 0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Tgt Ion: 95 Resp: 1878216

Ion	Ratio	Lower	Upper
95	100		
174	72.6	55.9	83.9
175	5.3	4.2	6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.176 ppbv
RT: 16.137 min Scan# 4
Delta R.T. 0.003 min
Lab File: VL039727.D
Acq: 17 Oct 2022 20:00

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:105 Resp: 51292

Ion	Ratio	Lower	Upper
105	100		
120	35.8	39.5	59.3#
91	7.4	39.2	58.8#
77	10.4	17.2	25.8#