Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040824\
Data File : VL041149.D
Acq On : 8 Apr 2024 14:00
Operator : SY/MD
Sample : P1953-03DLDUP 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Quant Time: Apr 10 04:36:39 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL040424AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Apr 09 01:10:08 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.185	49	1320315	10.000	ppbv	-0.03
33) 1,4-Difluorobenzene	6.645	114	3435615	10.000	ppbv	-0.04
55) Chlorobenzene-d5	11.458	117	3130409	10.000	ppbv	-0.05
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.770	95	2411082	9.578	ppbv	-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 95.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	11058	0.049	ppbv	94
9) Propene	2.693	41	16014	0.248	ppbv	100
13) Ethanol	3.250	45	8289	0.539	ppbv #	43
15) Acetone	3.468	43	412408	2.885	ppbv #	79
16) 1,3-Butadiene	2.964	39	64043	0.913	ppbv #	18
17) tert-Butyl alcohol	3.890	59	9025	0.070	ppbv #	71
20) Methylene Chloride	3.928	84	170921	2.899	ppbv	97
23) Vinyl Acetate	4.713	43	11551	0.079	ppbv #	1
25) Ethyl Acetate	5.208	43	73949	0.275	ppbv #	78
26) Hexane	5.208	57	103988	0.863	ppbv #	39
34) 2-Butanone	4.780	43	970248	6.674	ppbv	98
39) 1,2-Dichloropropane	6.645	63	816989	8.213	ppbv #	24
53) Toluene	9.214	91	11434	0.043	ppbv #	58

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

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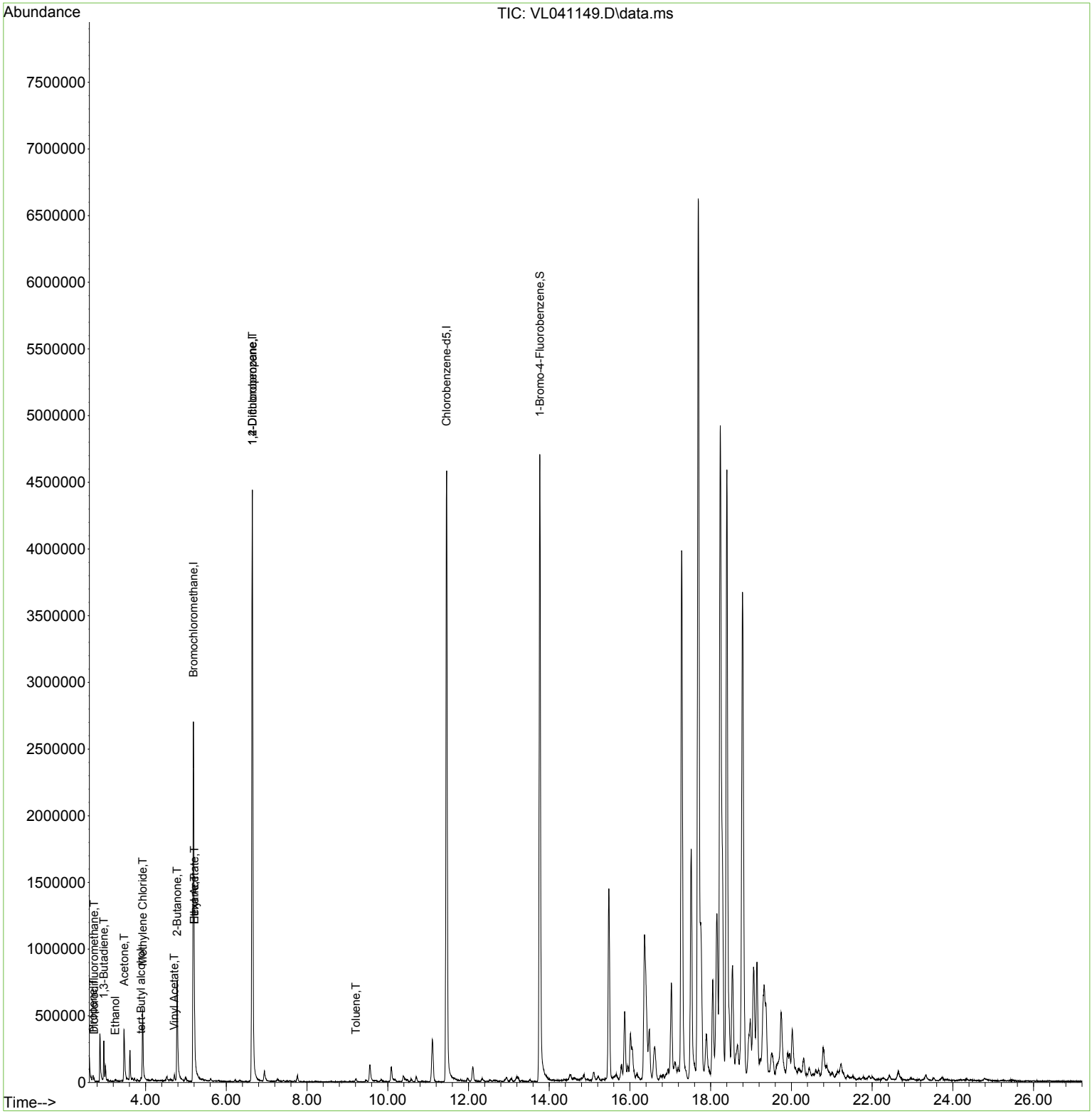
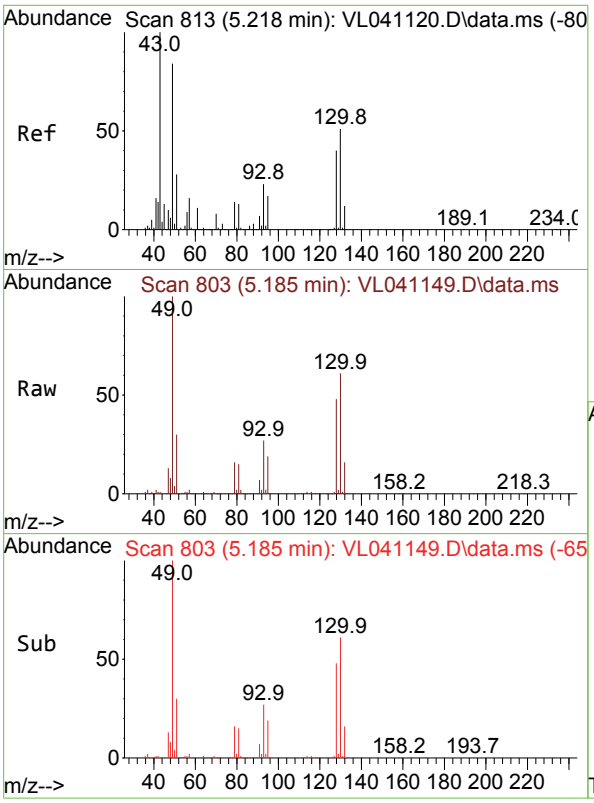


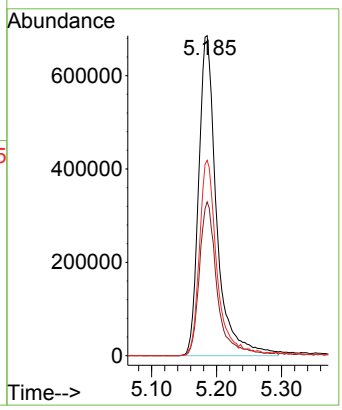


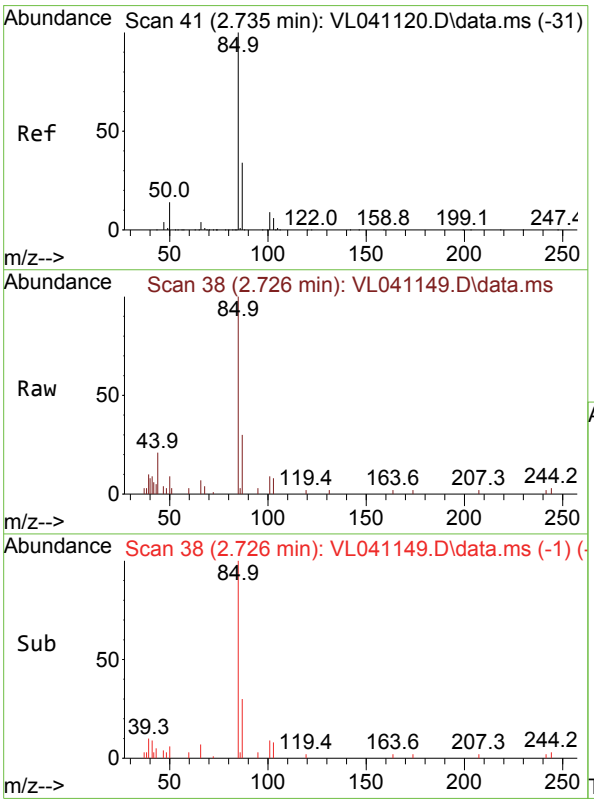
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 8(
Delta R.T. -0.033 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 49 Resp: 1320315

Ion	Ratio	Lower	Upper
49	100		
128	48.8	23.6	71.0
130	62.1	30.1	90.5

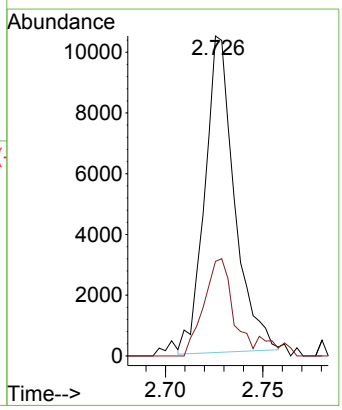


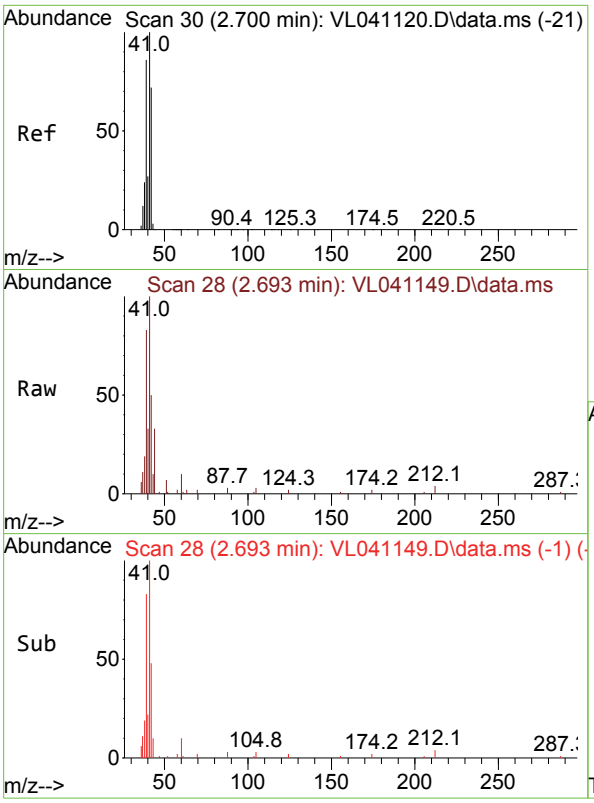


#2
Dichlorodifluoromethane
Concen: 0.049 ppbv
RT: 2.726 min Scan# 38
Delta R.T. -0.010 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 85 Resp: 11058

Ion	Ratio	Lower	Upper
85	100		
87	30.2	27.0	40.6



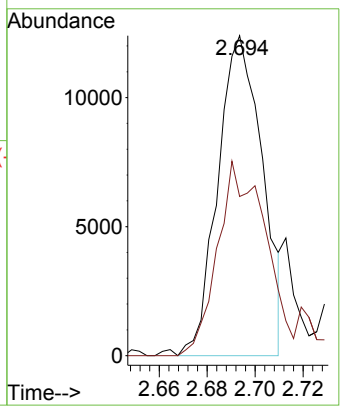


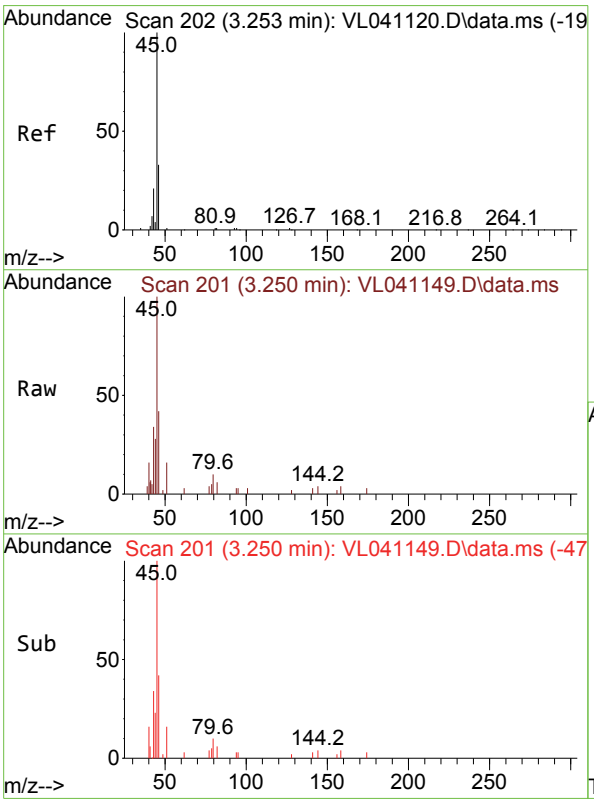
#9
Propene
Concen: 0.248 ppbv
RT: 2.693 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 41 Resp: 16014

Ion	Ratio	Lower	Upper
41	100		
42	74.9	60.1	90.1

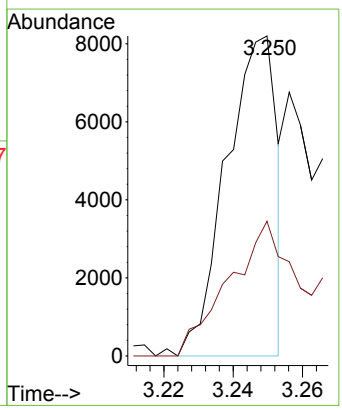


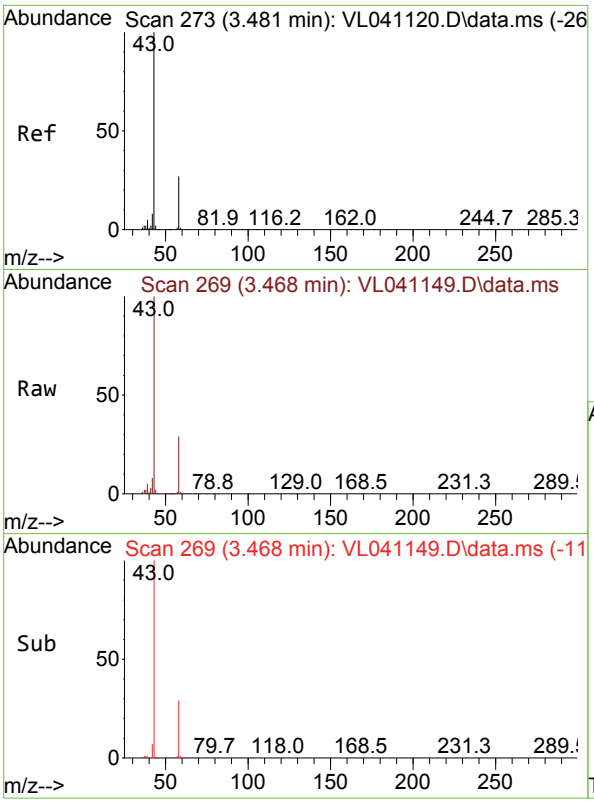


#13
Ethanol
Concen: 0.539 ppbv
RT: 3.250 min Scan# 201
Delta R.T. -0.003 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 45 Resp: 8289

Ion	Ratio	Lower	Upper
45	100		
46	71.3	15.0	59.8#



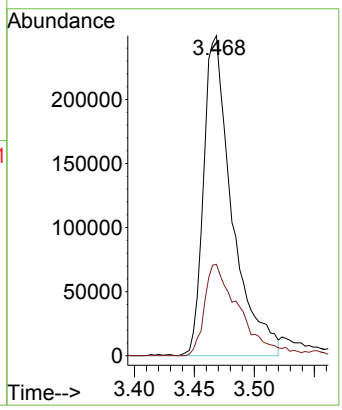


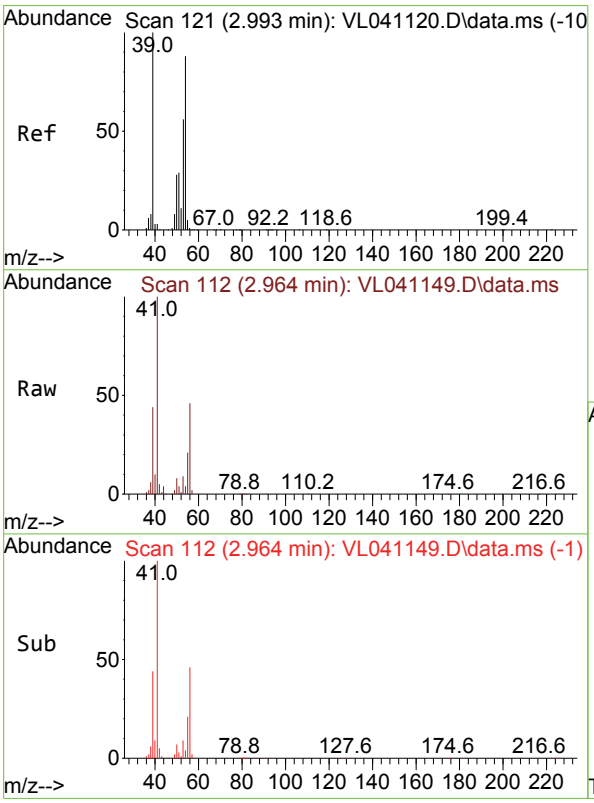
#15
Acetone
Concen: 2.885 ppbv
RT: 3.468 min Scan# 2
Delta R.T. -0.013 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 43 Resp: 412408

Ion	Ratio	Lower	Upper
43	100		
58	37.1	21.1	31.7#

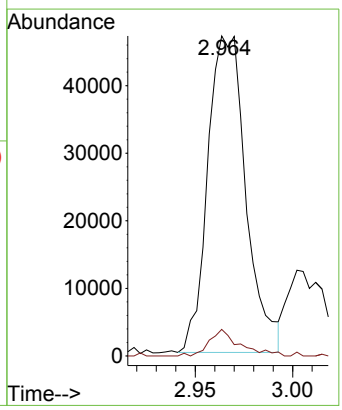


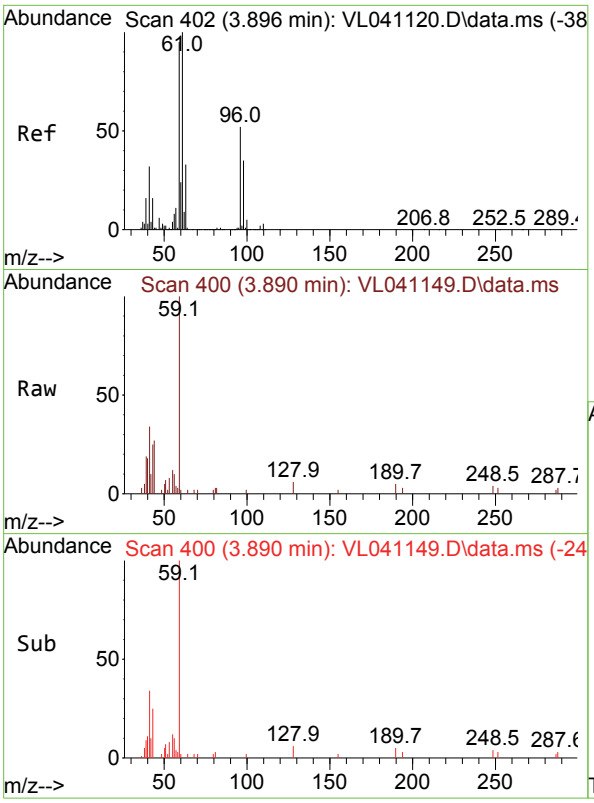


#16
1,3-Butadiene
Concen: 0.913 ppbv
RT: 2.964 min Scan# 112
Delta R.T. -0.029 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 39 Resp: 64043

Ion	Ratio	Lower	Upper
39	100		
54	7.1	63.5	95.3#



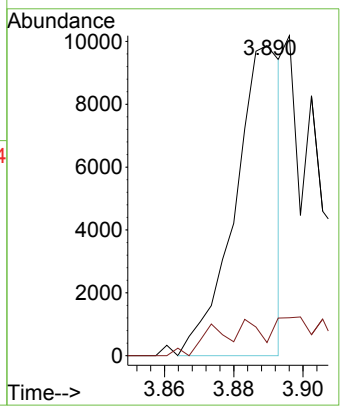


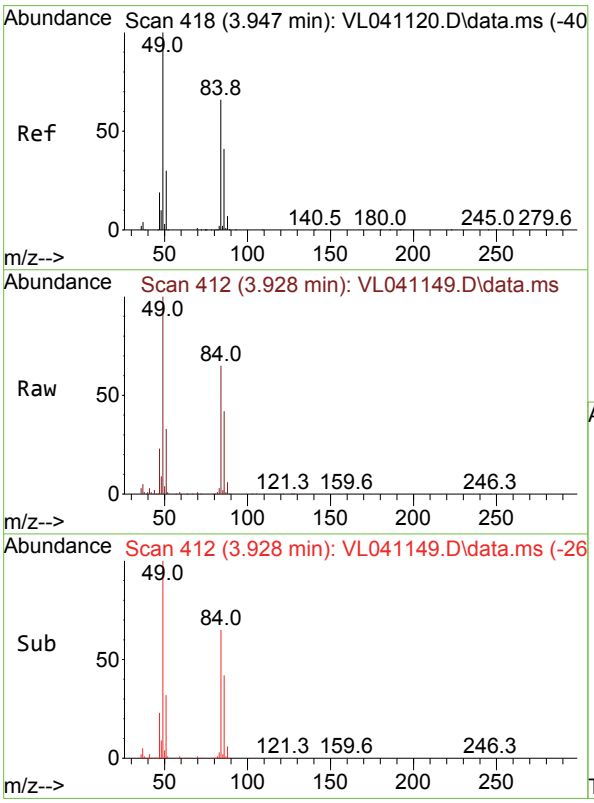
#17
tert-Butyl alcohol
Concen: 0.070 ppbv
RT: 3.890 min Scan# 4
Delta R.T. -0.006 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 59 Resp: 9025

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

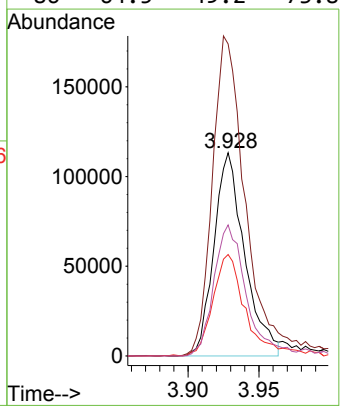


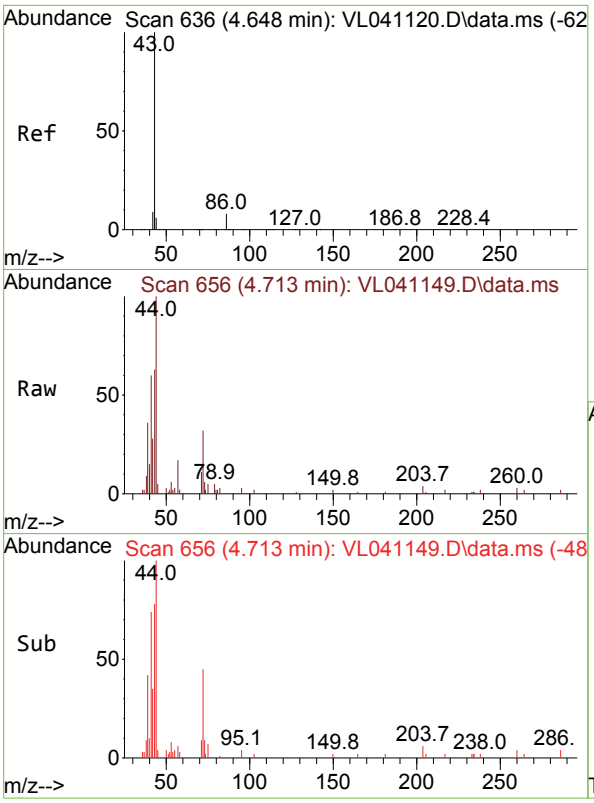


#20
Methylene Chloride
Concen: 2.899 ppbv
RT: 3.928 min Scan# 412
Delta R.T. -0.019 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 84 Resp: 170921

Ion	Ratio	Lower	Upper
84	100		
49	153.5	120.7	181.1
51	49.7	36.6	54.8
86	64.5	49.2	73.8



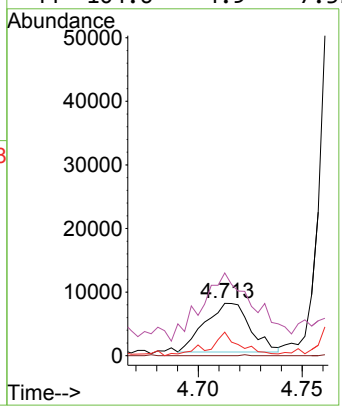


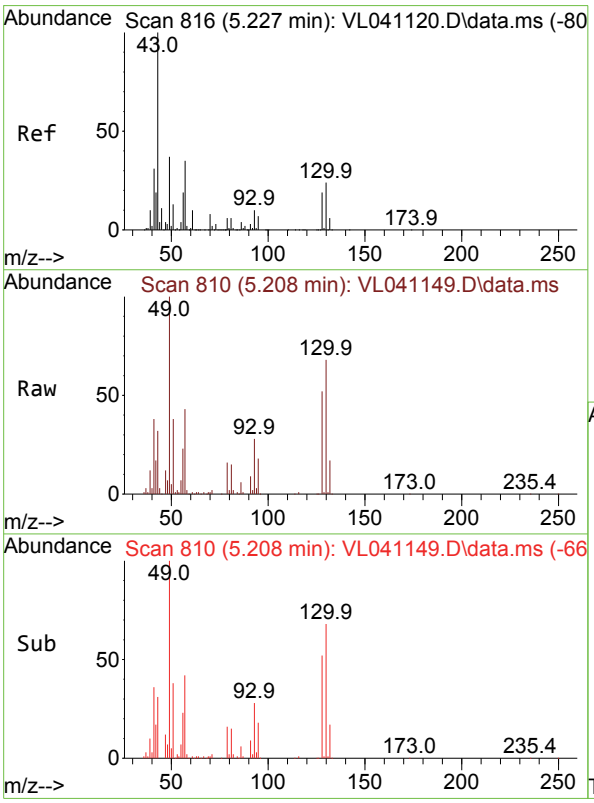
#23
Vinyl Acetate
Concen: 0.079 ppbv
RT: 4.713 min Scan# 6
Delta R.T. 0.064 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 43 Resp: 11551

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.4#
42	44.9	7.7	11.5#
44	104.6	4.9	7.3#

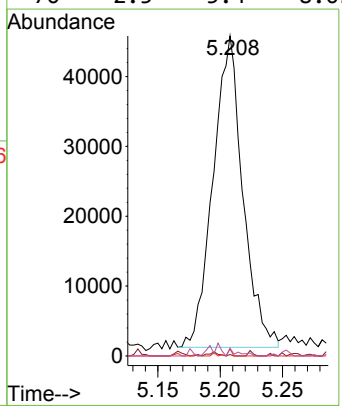


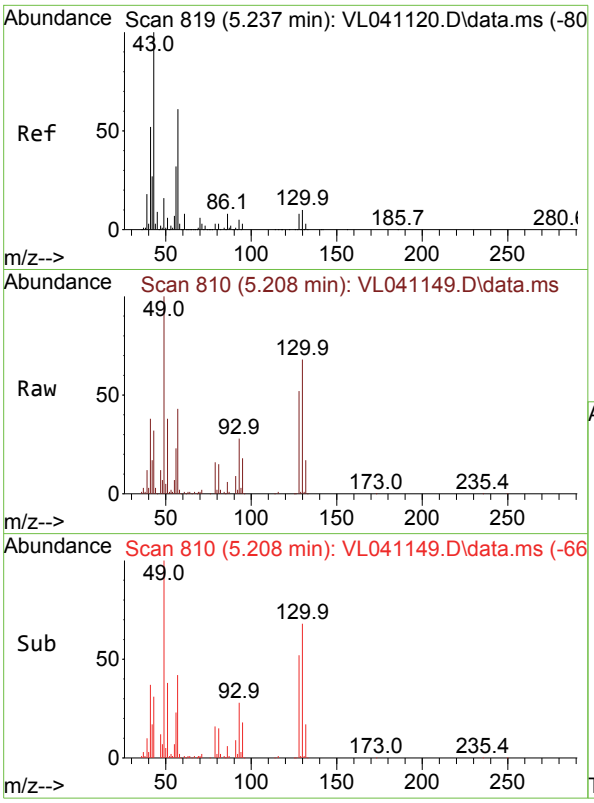


#25
Ethyl Acetate
Concen: 0.275 ppbv
RT: 5.208 min Scan# 810
Delta R.T. -0.019 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 43 Resp: 73949

Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.0	12.0#
61	0.6	7.8	11.6#
70	2.5	5.4	8.0#



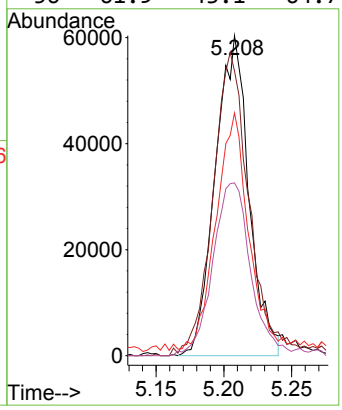


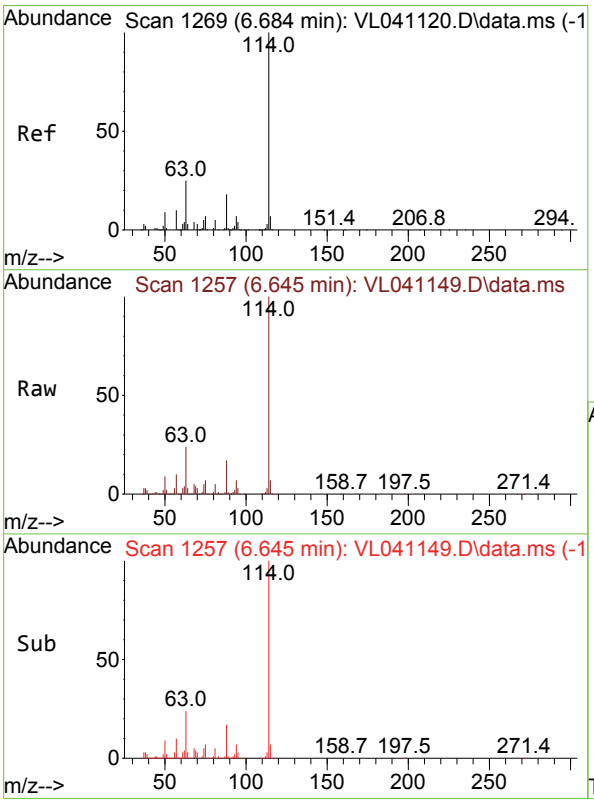
#26
Hexane
Concen: 0.863 ppbv
RT: 5.208 min Scan# 8
Delta R.T. -0.029 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 57 Resp: 103988

Ion	Ratio	Lower	Upper
57	100		
41	103.7	73.8	110.8
43	78.2	186.2	279.2#
56	61.9	43.1	64.7

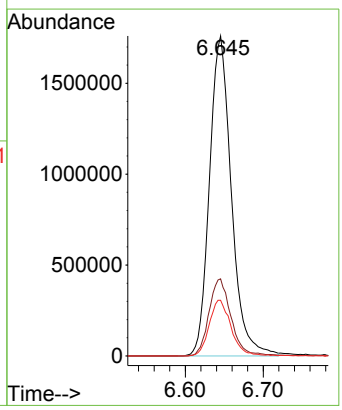


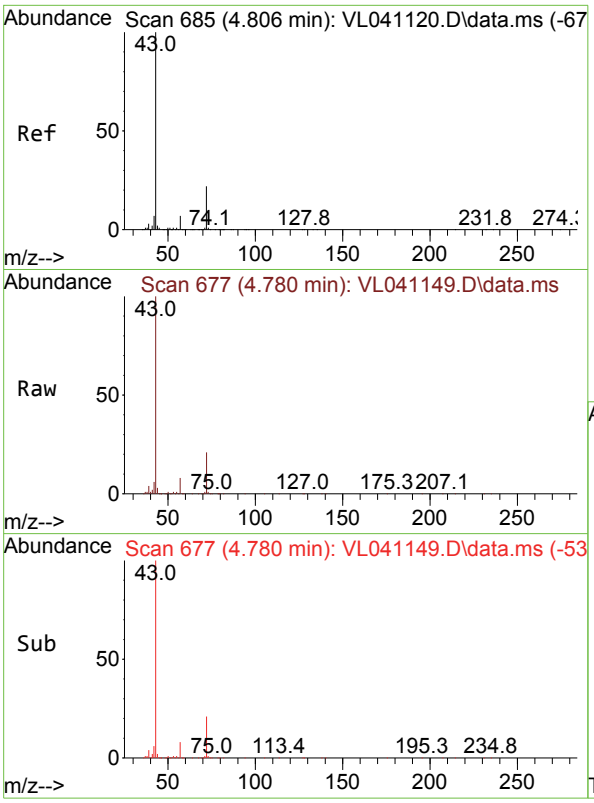


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.039 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion:114 Resp: 3435615

Ion	Ratio	Lower	Upper
114	100		
63	24.6	20.9	31.3
88	17.6	14.5	21.7



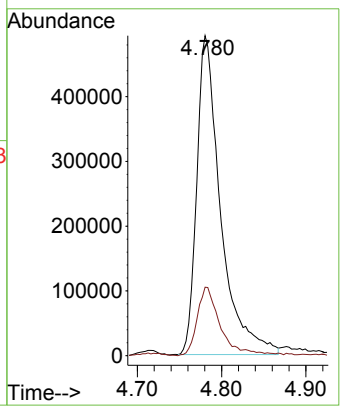


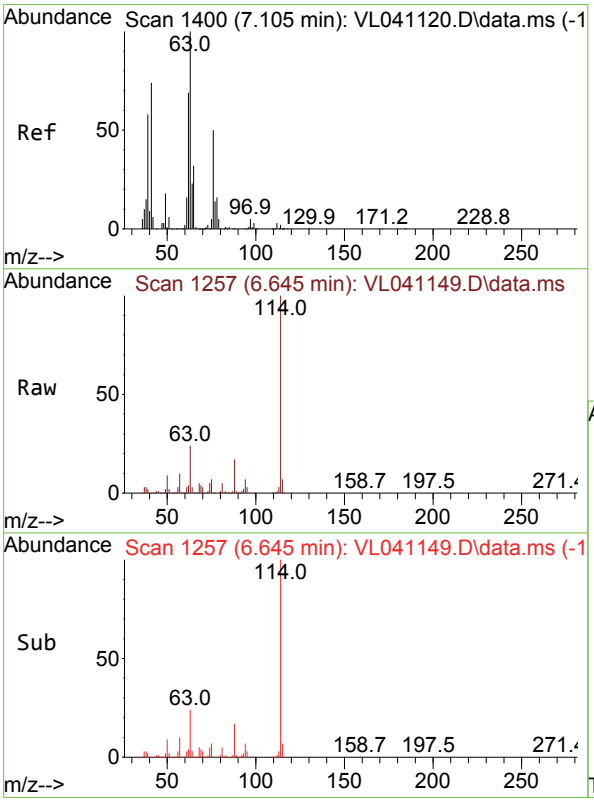
#34
2-Butanone
Concen: 6.674 ppbv
RT: 4.780 min Scan# 6
Delta R.T. -0.026 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 43 Resp: 970248

Ion	Ratio	Lower	Upper
43	100		
72	21.2	17.6	26.4

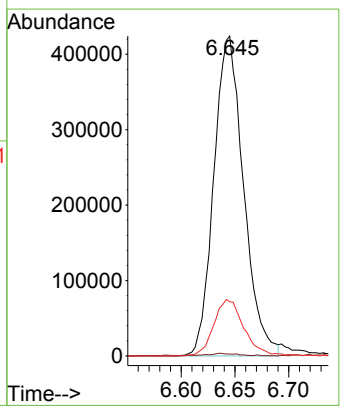


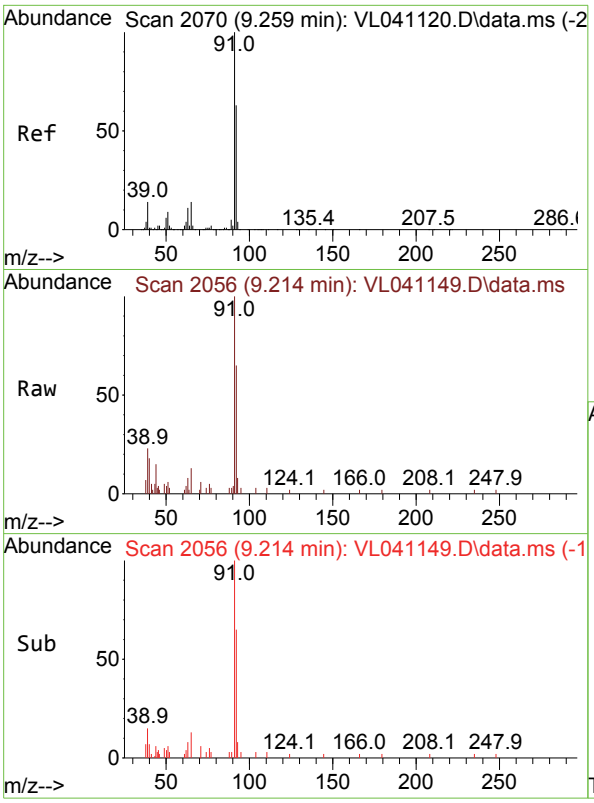


#39
1,2-Dichloropropane
Concen: 8.213 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. -0.460 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion: 63 Resp: 816989

Ion	Ratio	Lower	Upper
63	100		
41	0.6	58.7	88.1#
62	16.9	55.5	83.3#



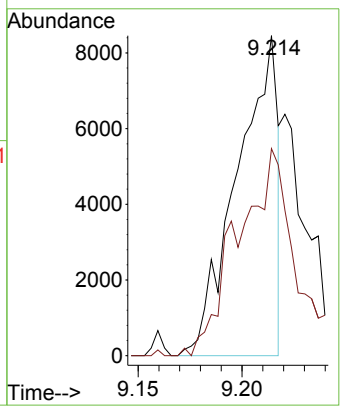


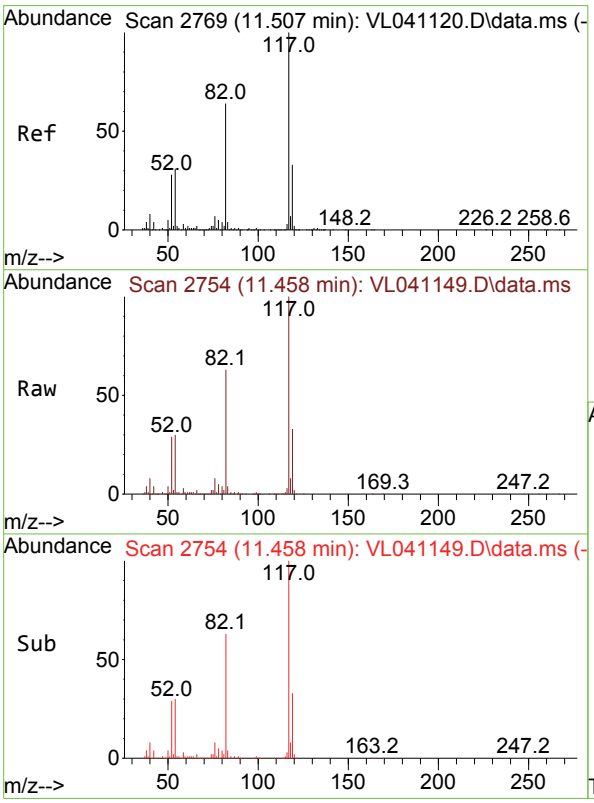
#53
Toluene
Concen: 0.043 ppbv
RT: 9.214 min Scan# 2
Delta R.T. -0.045 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 91 Resp: 11434

Ion	Ratio	Lower	Upper
91	100		
92	93.1	49.0	73.4#

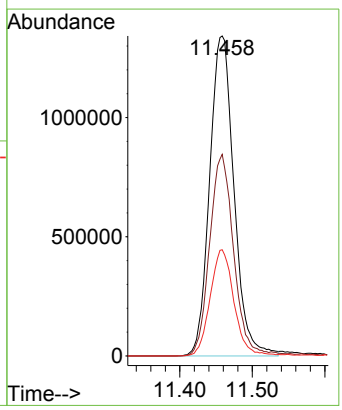


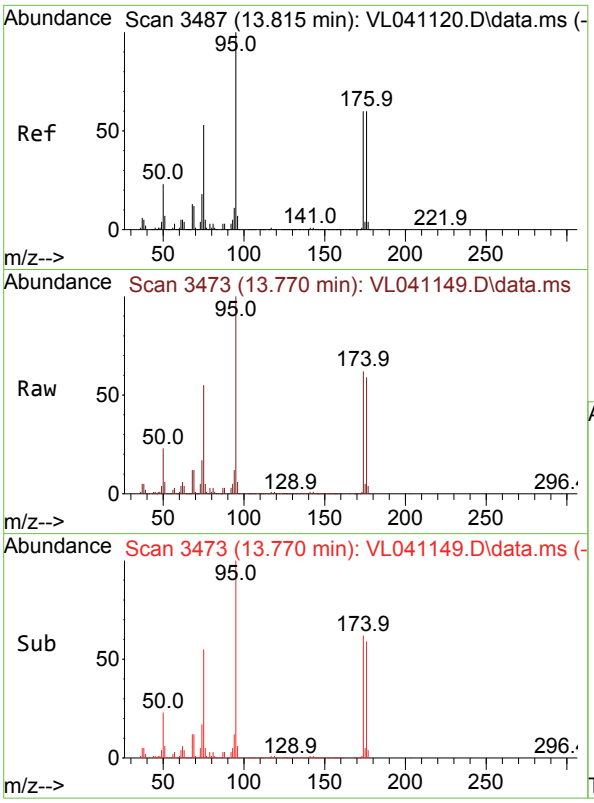


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.048 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Tgt Ion:117 Resp: 3130409

Ion	Ratio	Lower	Upper
117	100		
82	63.3	51.0	76.6
119	33.0	25.2	37.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.578 ppbv
RT: 13.770 min Scan# 3
Delta R.T. -0.045 min
Lab File: VL041149.D
Acq: 8 Apr 2024 14:00

Instrument :
MSVOA_L
ClientSampleId :
SV3DLDUP

Tgt Ion: 95 Resp: 2411082

Ion	Ratio	Lower	Upper
95	100		
174	63.6	49.3	73.9
175	4.5	3.6	5.4