Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040414.D
Acq On : 12 May 2023 9:01
Operator : SY/MD
Sample : 02761-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 12 15:57:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.176	49	1148766	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.639	114	3008386	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.458	117	2650417	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	2065215	9.423	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 94.200%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.655	51	17707	0.118	ppbv #	87
4) Chloromethane	2.793	50	11574	0.122	ppbv #	84
9) Propene	2.674	41	68068	1.148	ppbv	97
11) Trichlorofluoromethane	3.542	101	8593	0.041	ppbv	95
13) Ethanol	3.234	45	46977	9.489	ppbv	91
15) Acetone	3.449	43	810936	4.984	ppbv #	68
16) 1,3-Butadiene	2.947	39	251241	3.731	ppbv #	13
17) tert-Butyl alcohol	3.873	59	63213	0.423	ppbv #	92
19) Isopropyl Alcohol	3.565	45	11722	0.158	ppbv #	90
20) Methylene Chloride	3.915	84	55156	0.849	ppbv	98
23) Vinyl Acetate	4.703	43	6332	0.153	ppbv #	24
25) Ethyl Acetate	5.198	43	42746	0.156	ppbv #	83
26) Hexane	5.201	57	56531	0.490	ppbv #	43
34) 2-Butanone	4.774	43	588494	3.628	ppbv	98
36) Benzene	6.352	78	7908	0.032	ppbv #	80
39) 1,2-Dichloropropane	6.642	63	735059	7.611	ppbv #	25
53) Toluene	9.208	91	10843	0.042	ppbv #	20

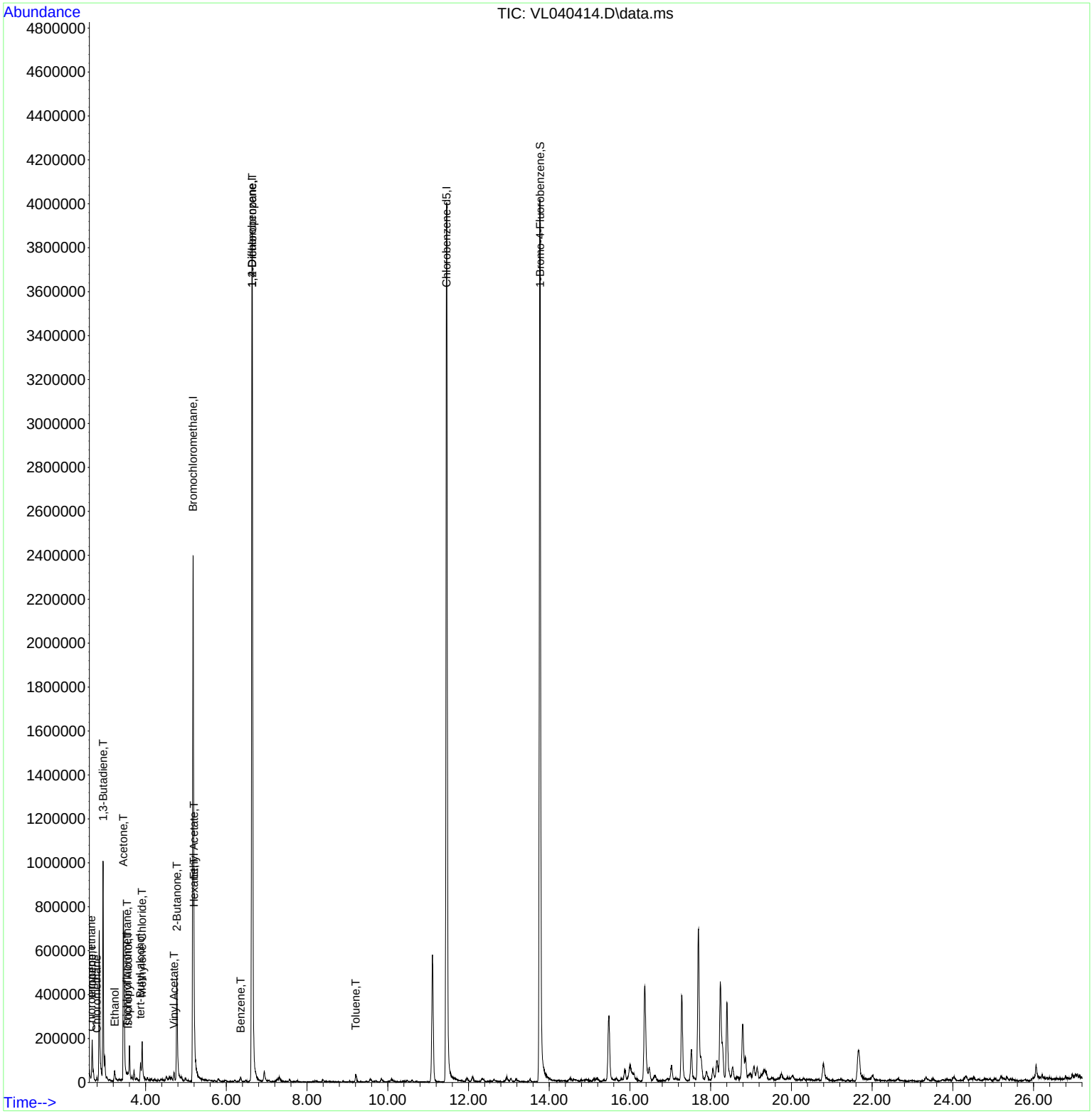
(#) = qualifier out of range (m) = manual integration (+) = signals summed

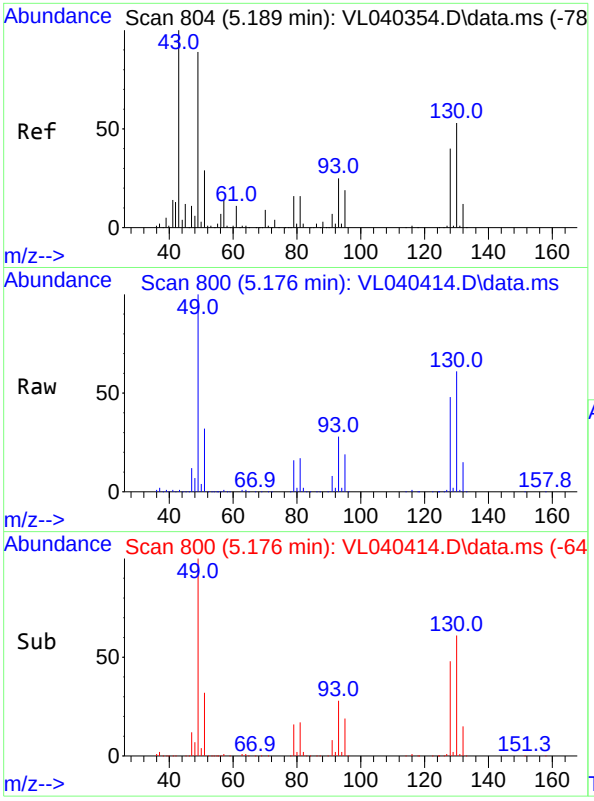
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051123\
Data File : VL040414.D
Acq On : 12 May 2023 9:01
Operator : SY/MD
Sample : 02761-01DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 12 15:57:37 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Thu Apr 13 14:37:02 2023
Response via : Initial Calibration



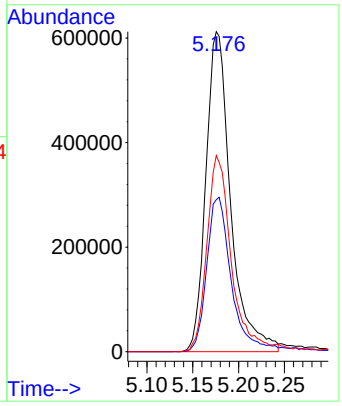


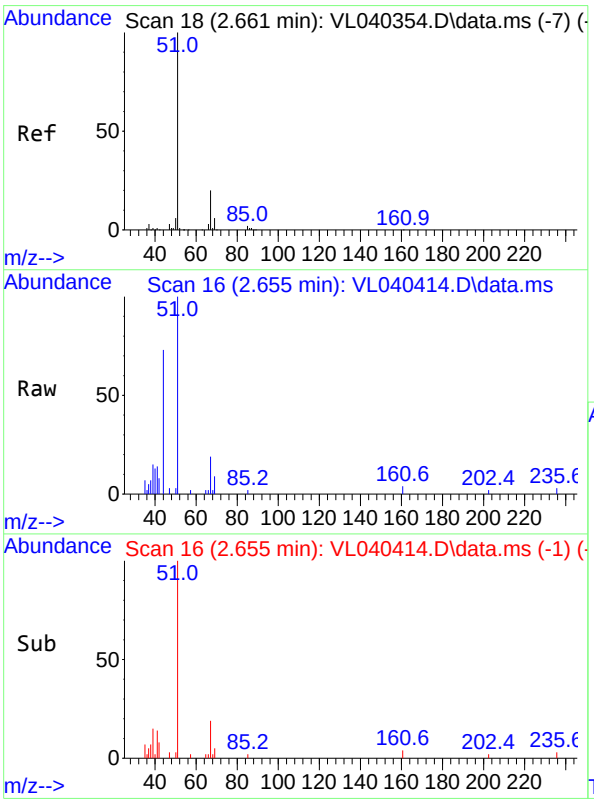
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 8
Delta R.T. -0.013 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1148766

Ion	Ratio	Lower	Upper
49	100		
128	49.2	23.7	71.1
130	63.0	29.9	89.8

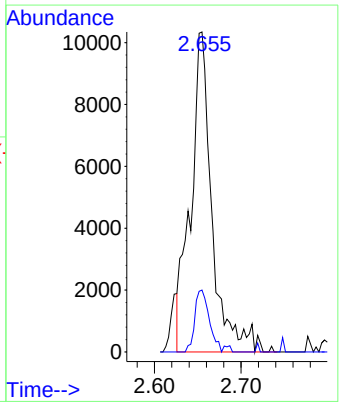


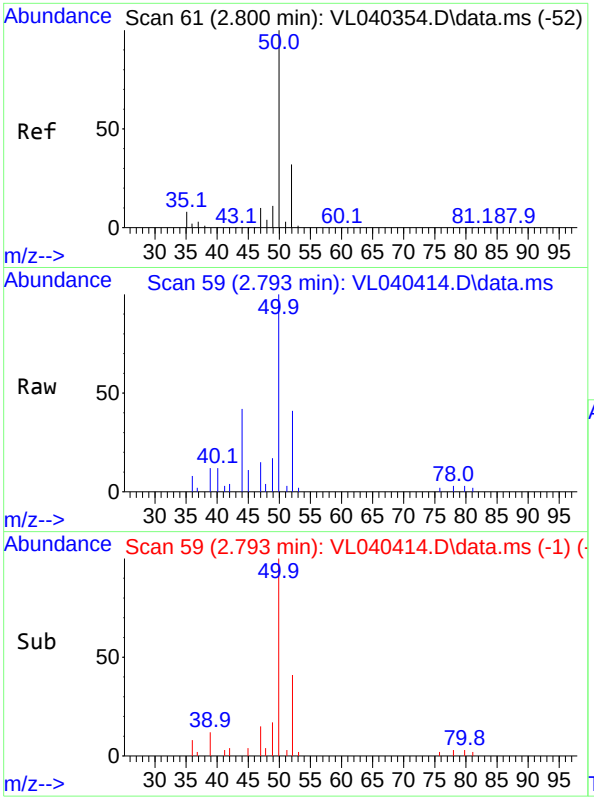


#3
Chlorodifluoromethane
Concen: 0.118 ppbv
RT: 2.655 min Scan# 16
Delta R.T. -0.006 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 51 Resp: 17707

Ion	Ratio	Lower	Upper
51	100		
67	13.7	15.5	23.3#



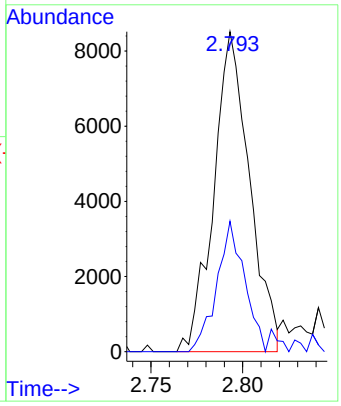


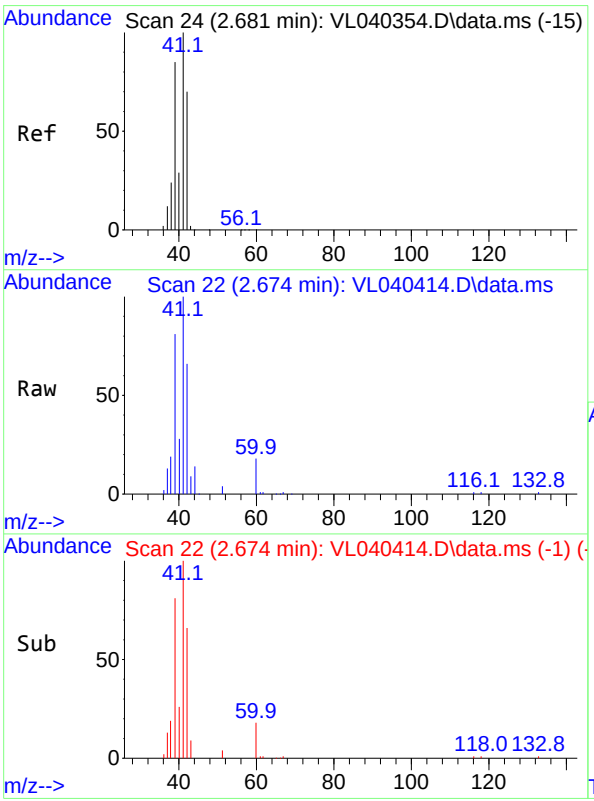
#4
Chloromethane
Concen: 0.122 ppbv
RT: 2.793 min Scan# 5
Delta R.T. -0.007 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 11574

Ion	Ratio	Lower	Upper
50	100		
52	40.7	25.3	37.9#

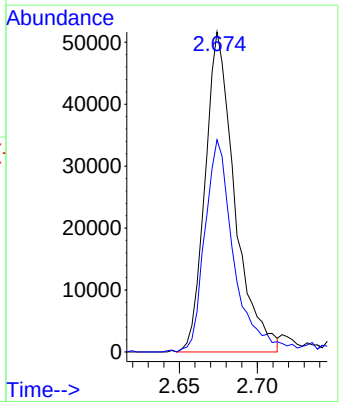


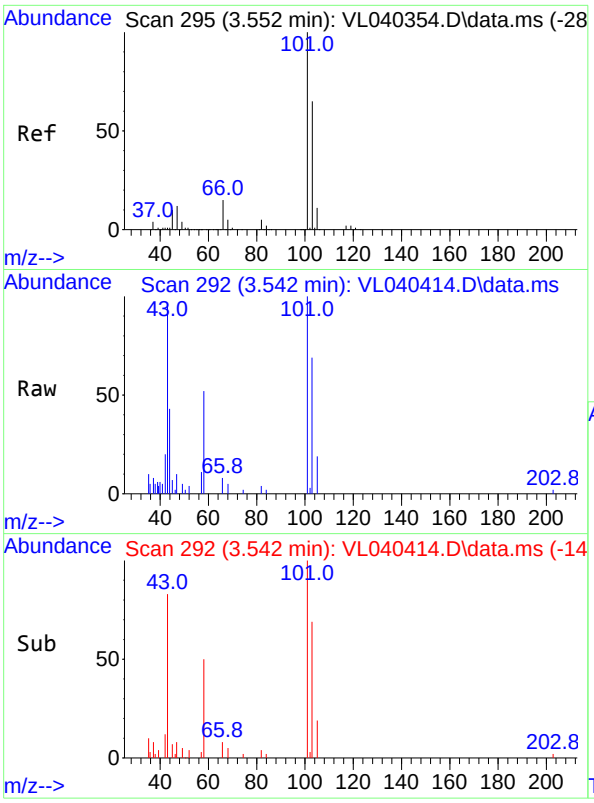


#9
Propene
Concen: 1.148 ppbv
RT: 2.674 min Scan# 22
Delta R.T. -0.007 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 41 Resp: 68068

Ion	Ratio	Lower	Upper
41	100		
42	68.2	56.5	84.7



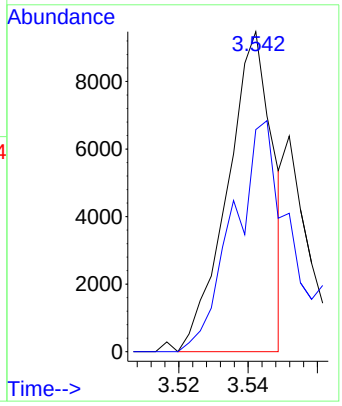


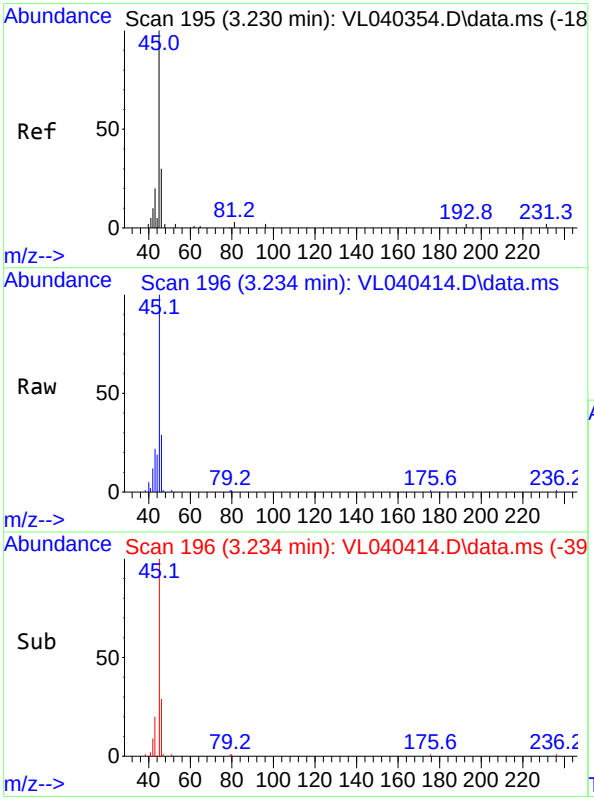
#11
Trichlorofluoromethane
Concen: 0.041 ppbv
RT: 3.542 min Scan# 2
Delta R.T. -0.010 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:101 Resp: 8593

Ion	Ratio	Lower	Upper
101	100		
103	69.4	52.2	78.4

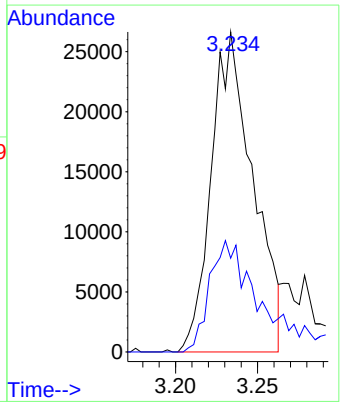


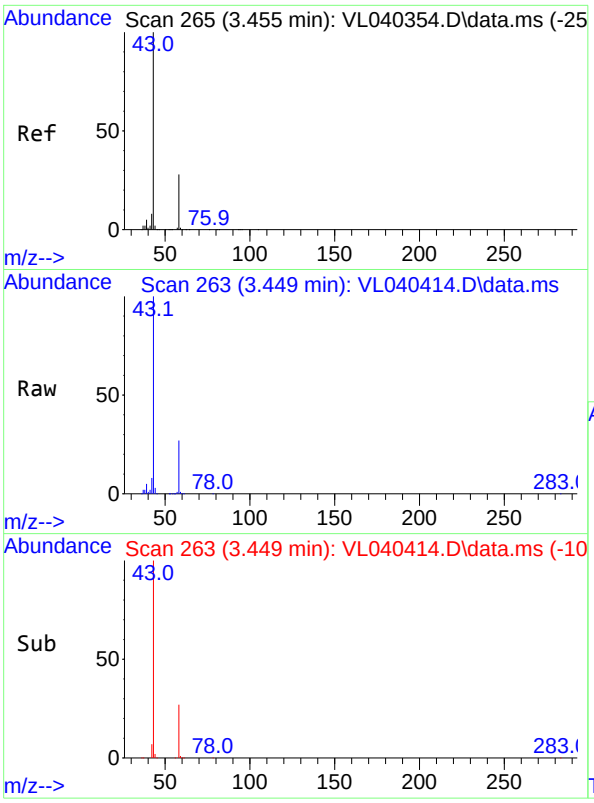


#13
Ethanol
Concen: 9.489 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.004 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 45 Resp: 46977

Ion	Ratio	Lower	Upper
45	100		
46	43.9	15.3	61.3



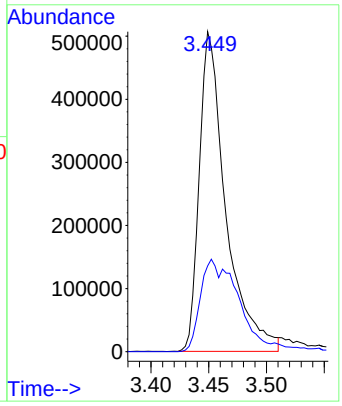


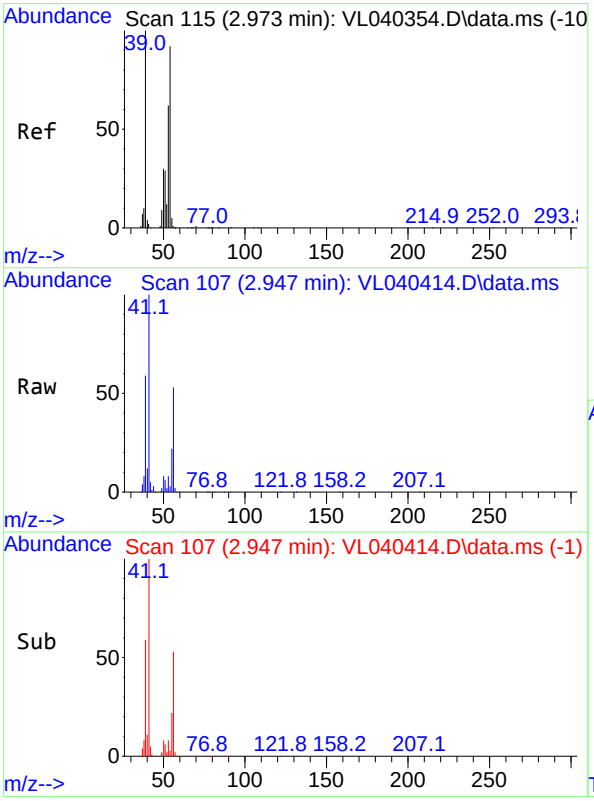
#15
Acetone
Concen: 4.984 ppbv
RT: 3.449 min Scan# 2
Delta R.T. -0.006 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 810936

Ion	Ratio	Lower	Upper
43	100		
58	44.4	22.2	33.2#

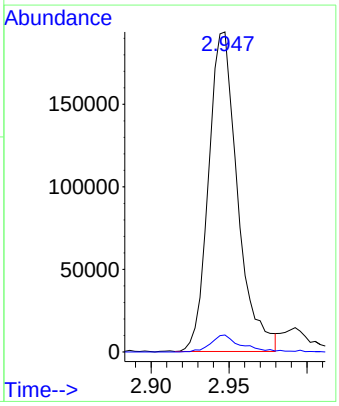


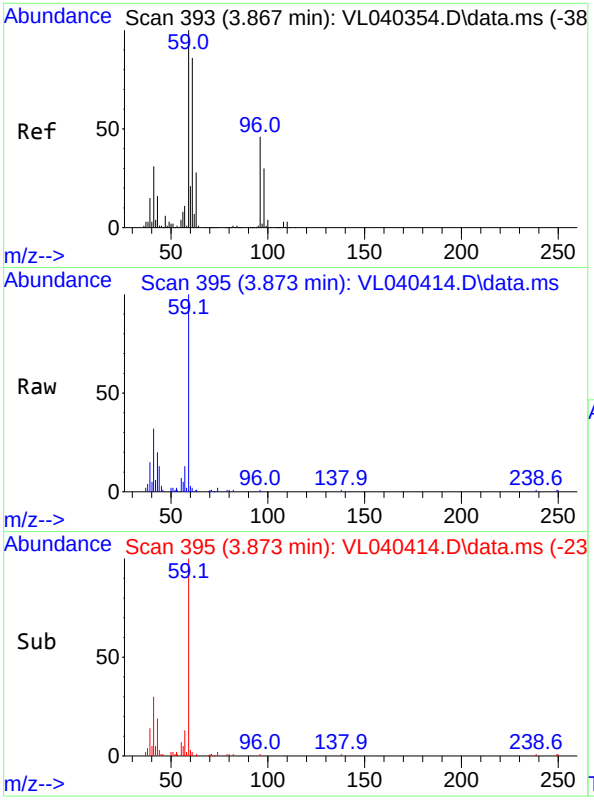


#16
1,3-Butadiene
Concen: 3.731 ppbv
RT: 2.947 min Scan# 107
Delta R.T. -0.026 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 39 Resp: 251241

Ion	Ratio	Lower	Upper
39	100		
54	5.7	68.8	103.2#



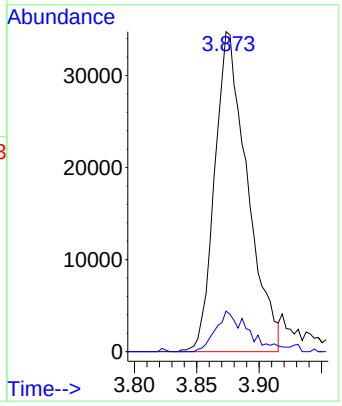


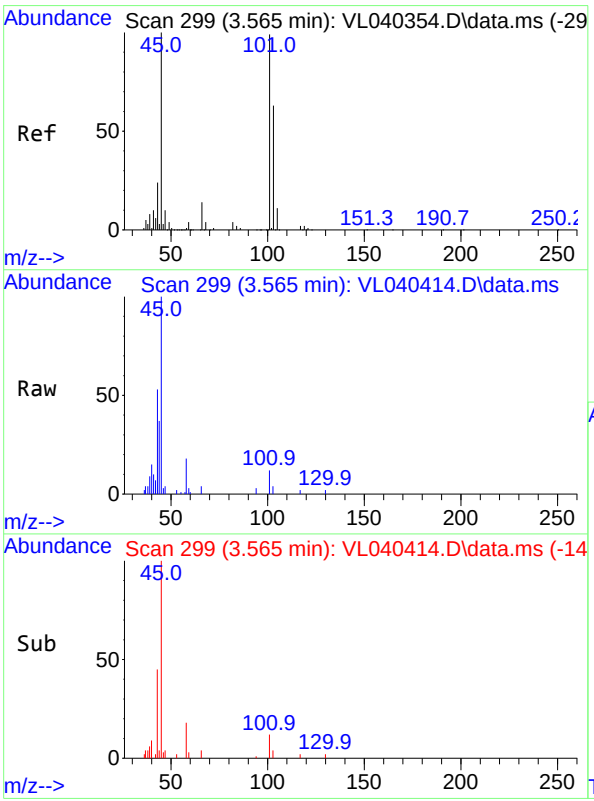
#17
tert-Butyl alcohol
Concen: 0.423 ppbv
RT: 3.873 min Scan# 3
Delta R.T. 0.006 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 63213

Ion	Ratio	Lower	Upper
59	100		
57	13.4	8.5	12.7#

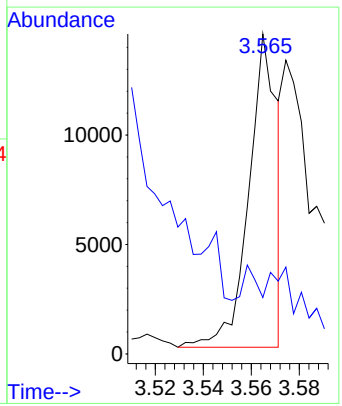


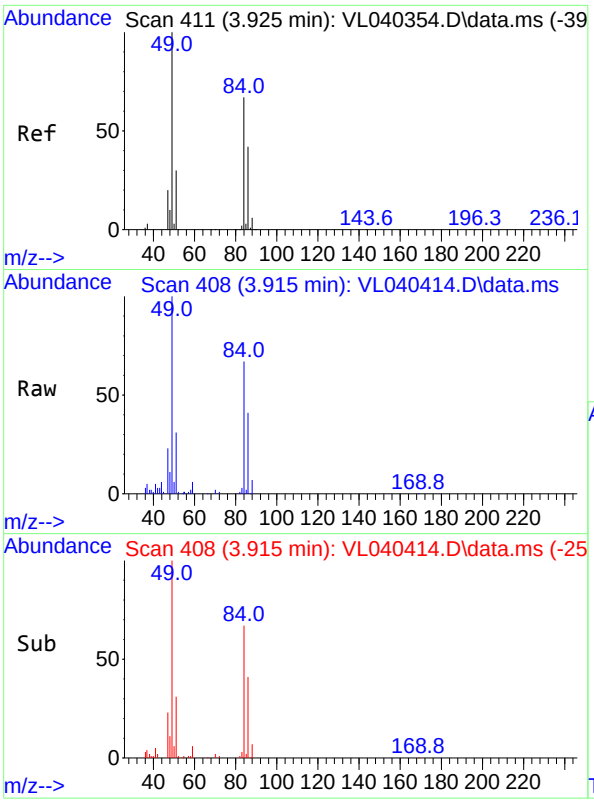


#19
Isopropyl Alcohol
Concen: 0.158 ppbv
RT: 3.565 min Scan# 299
Delta R.T. -0.000 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 45 Resp: 11722

Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.6	4.0#



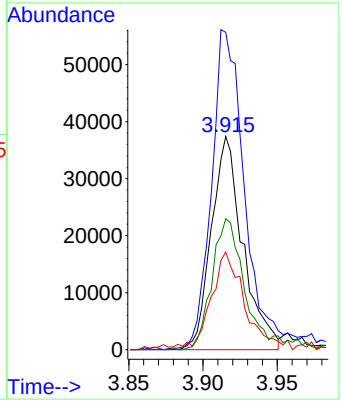


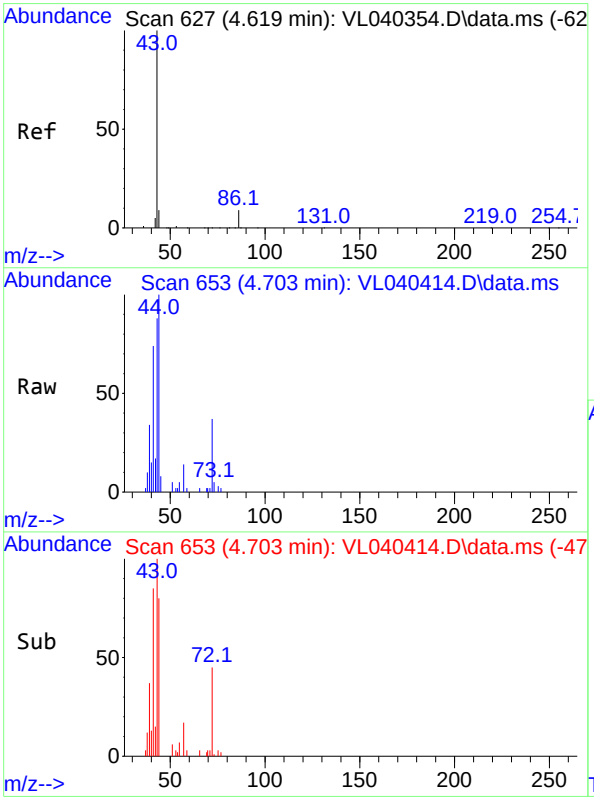
#20
Methylene Chloride
Concen: 0.849 ppbv
RT: 3.915 min Scan# 4
Delta R.T. -0.010 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 55156

Ion	Ratio	Lower	Upper
84	100		
49	148.1	120.1	180.1
51	43.3	36.3	54.5
86	61.5	50.8	76.2

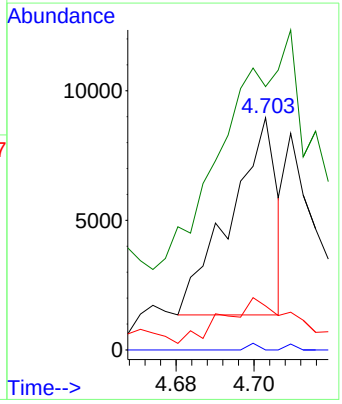


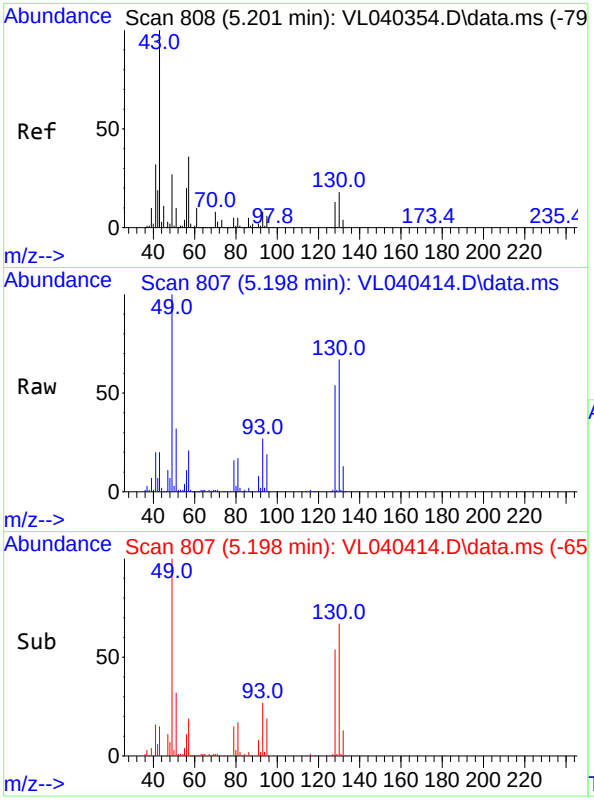


#23
Vinyl Acetate
Concen: 0.153 ppbv
RT: 4.703 min Scan# 653
Delta R.T. 0.084 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 43 Resp: 6332

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.0	9.0#
42	19.0	6.4	9.6#
44	71.2	5.6	8.4#



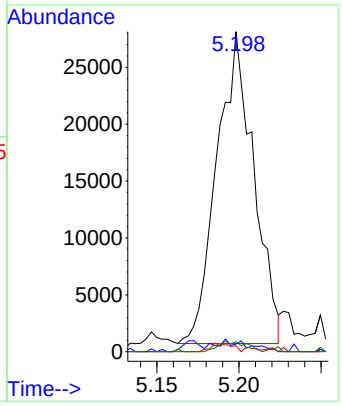


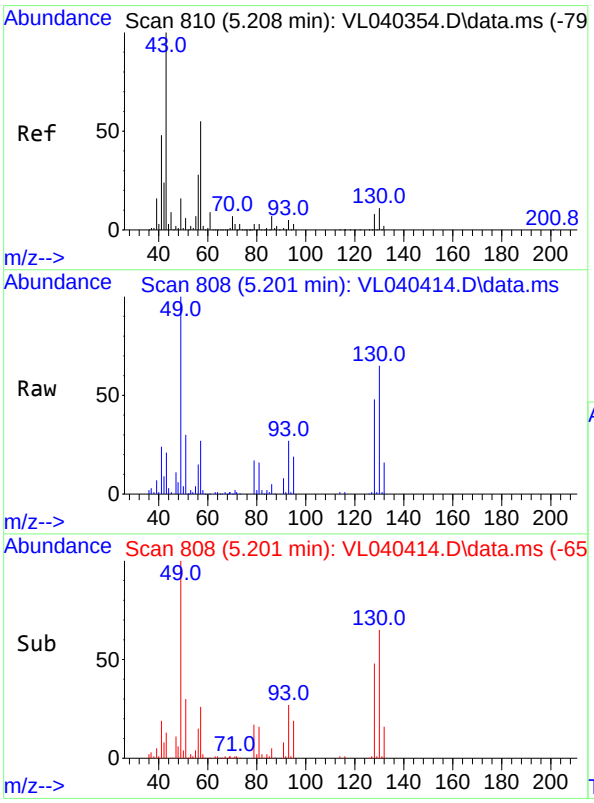
#25
Ethyl Acetate
Concen: 0.156 ppbv
RT: 5.198 min Scan# 8
Delta R.T. -0.003 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 42746

Ion	Ratio	Lower	Upper
43	100		
45	5.5	8.5	12.7#
61	2.3	8.5	12.7#
70	3.1	6.1	9.1#

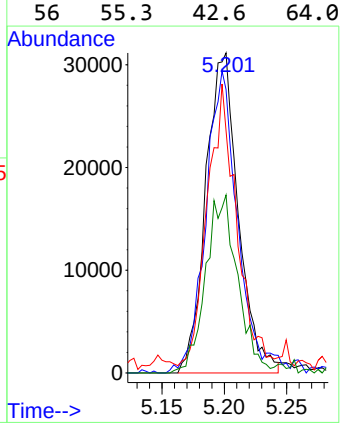


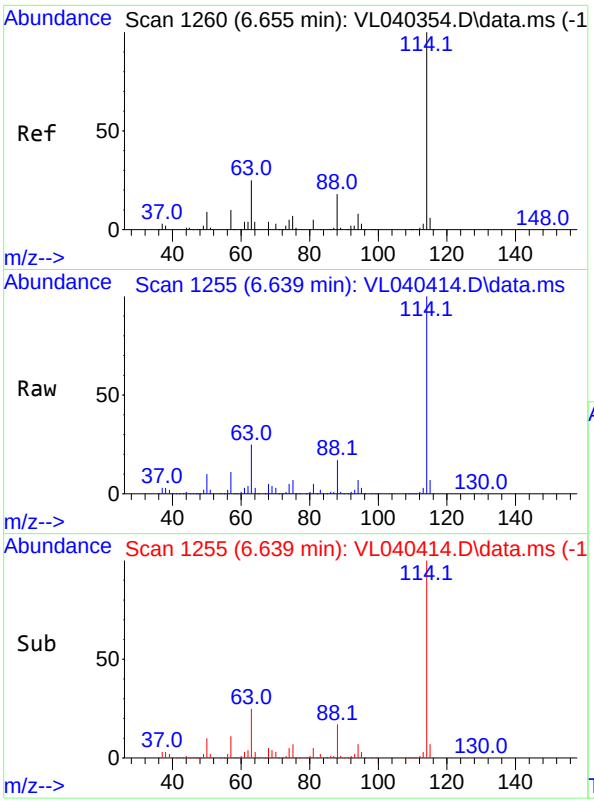


#26
Hexane
Concen: 0.490 ppbv
RT: 5.201 min Scan# 808
Delta R.T. -0.007 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 57 Resp: 56531

Ion	Ratio	Lower	Upper
57	100		
41	94.1	74.8	112.2
43	85.9	192.7	289.1#
56	55.3	42.6	64.0



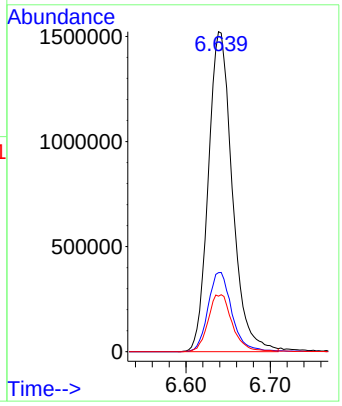


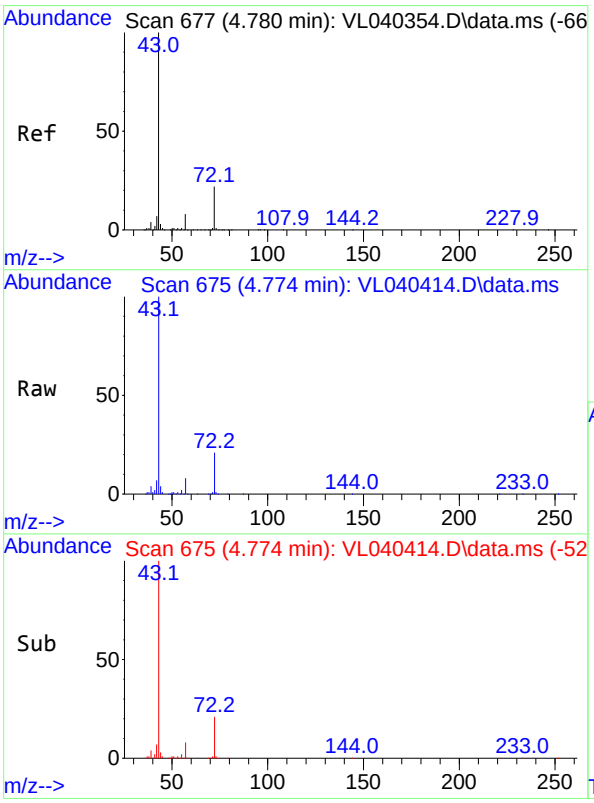
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.639 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:114 Resp: 3008386

Ion	Ratio	Lower	Upper
114	100		
63	24.9	21.4	32.0
88	18.2	14.6	22.0

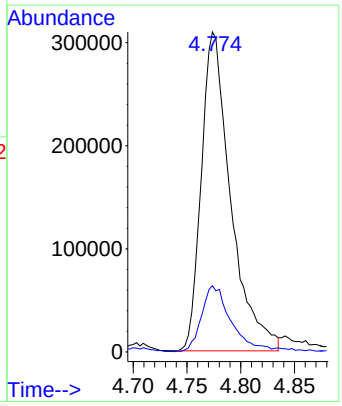


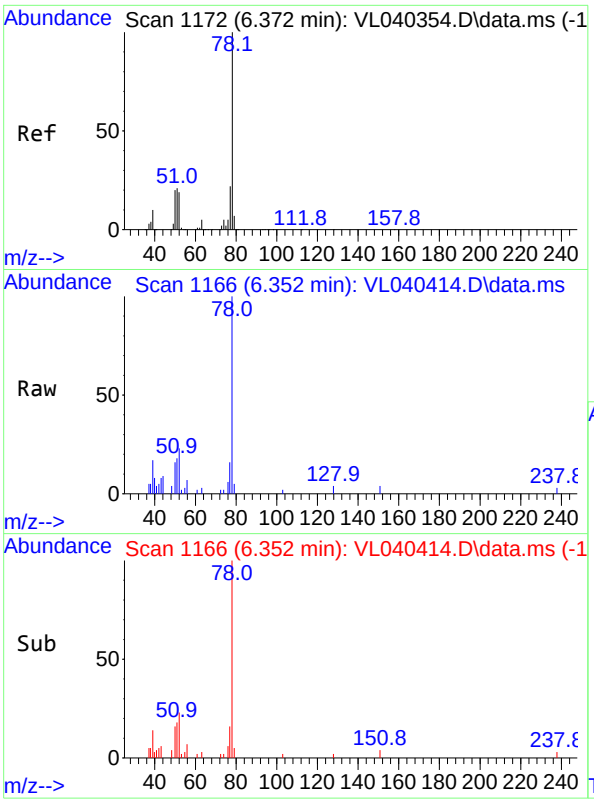


#34
2-Butanone
Concen: 3.628 ppbv
RT: 4.774 min Scan# 675
Delta R.T. -0.006 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 43 Resp: 588494

Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.4	27.6



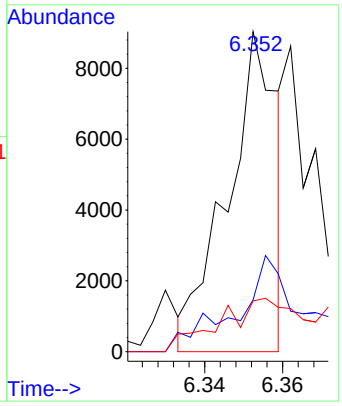


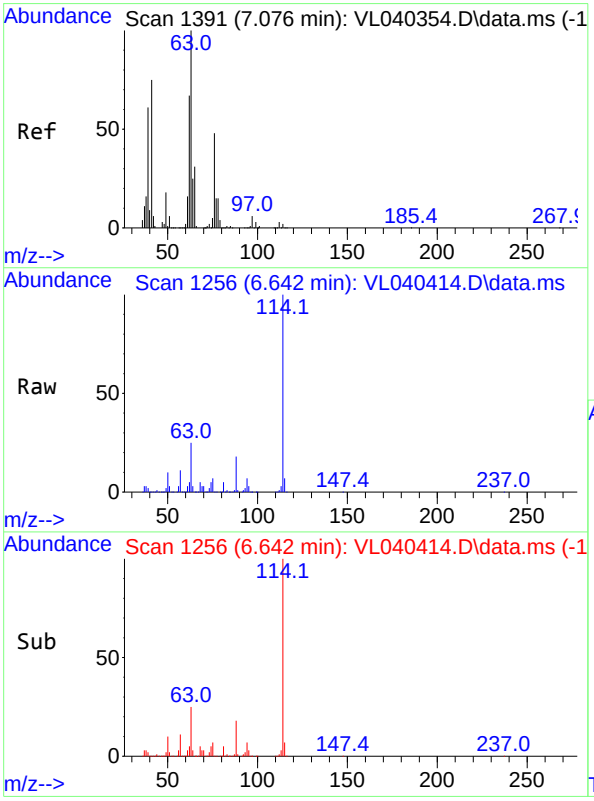
#36
Benzene
Concen: 0.032 ppbv
RT: 6.352 min Scan# 11
Delta R.T. -0.020 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 78 Resp: 7908

Ion	Ratio	Lower	Upper
78	100		
77	11.4	17.8	26.8#
50	11.6	15.6	23.4#

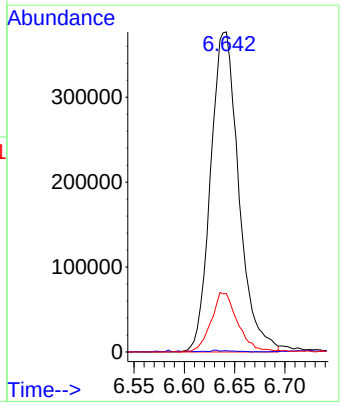


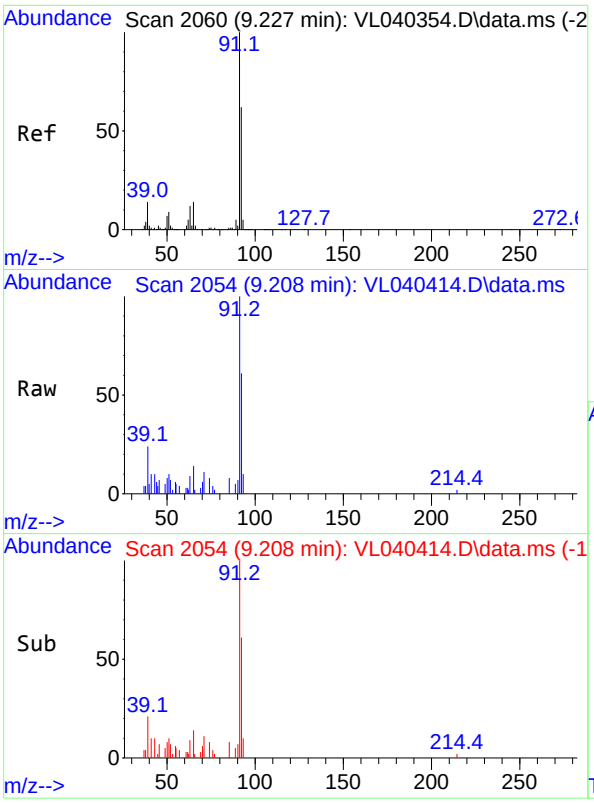


#39
1,2-Dichloropropane
Concen: 7.611 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.434 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion: 63 Resp: 735059

Ion	Ratio	Lower	Upper
63	100		
41	0.3	59.6	89.4#
62	18.2	53.9	80.9#



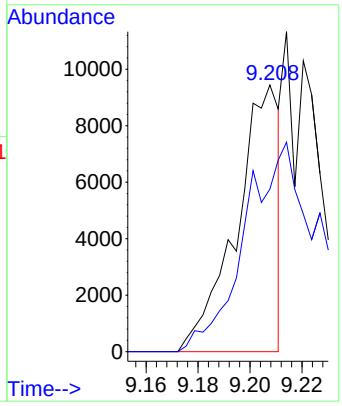


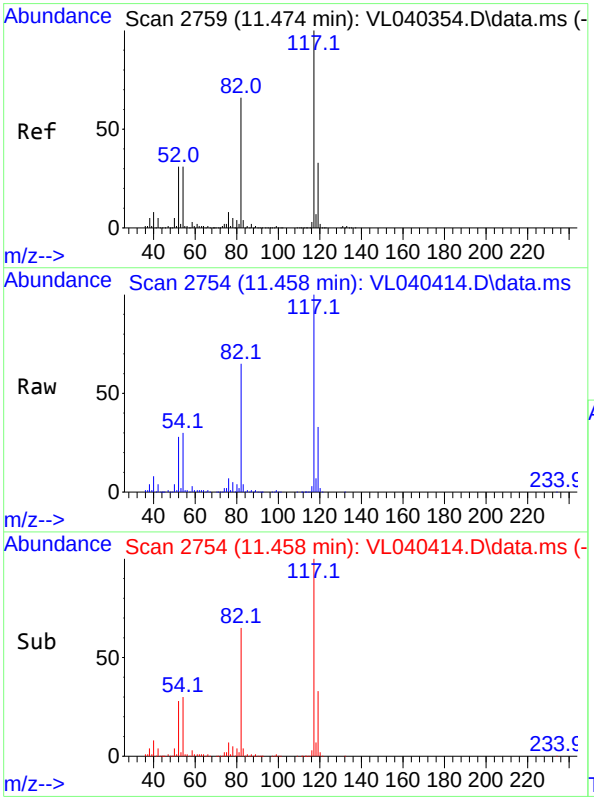
#53
Toluene
Concen: 0.042 ppbv
RT: 9.208 min Scan# 2
Delta R.T. -0.019 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 10843

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.9	73.3#

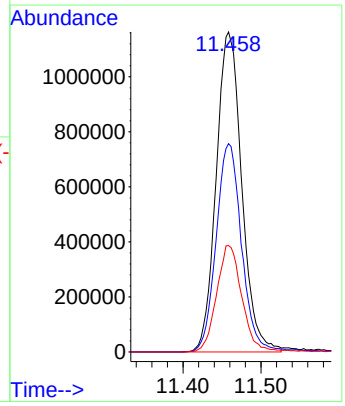


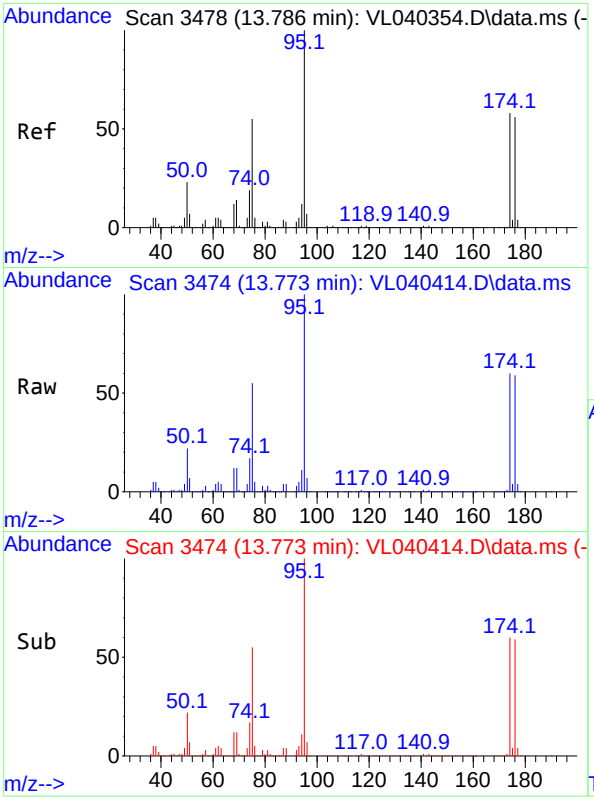


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.458 min Scan# 2754
Delta R.T. -0.016 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Tgt Ion:117 Resp: 2650417

Ion	Ratio	Lower	Upper
117	100		
82	65.6	52.5	78.7
119	33.2	24.3	36.5





#68
1-Bromo-4-Fluorobenzene
Concen: 9.423 ppbv
RT: 13.773 min Scan# 34
Delta R.T. -0.013 min
Lab File: VL040414.D
Acq: 12 May 2023 9:01

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2065215

Ion	Ratio	Lower	Upper
95	100		
174	61.9	47.2	70.8
175	4.4	3.5	5.3