Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
Data File : VL040080.D
Acq On : 9 Jan 2023 17:52
Operator : SY/MD
Sample : 01074-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Quant Time: Jan 09 21:33:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.188	49	1110895	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.651	114	2805681	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.471	117	2551657	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2061813	10.578	ppbv	0.02
Spiked Amount 10.000	Range 65 - 135		Recovery = 105.800%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.639	51	65043	0.397	ppbv #	65
4) Chloromethane	2.800	50	4826	0.047	ppbv	93
9) Propene	2.690	41	16735	0.241	ppbv #	78
11) Trichlorofluoromethane	3.552	101	10246	0.045	ppbv	93
13) Ethanol	3.237	45	57158	8.731	ppbv #	40
15) Acetone	3.459	43	455211	2.649	ppbv	98
19) Isopropyl Alcohol	3.578	45	8609	0.102	ppbv #	94
20) Methylene Chloride	3.925	84	1126508	15.422	ppbv	97
23) Vinyl Acetate	4.607	43	7469	0.137	ppbv #	48
25) Ethyl Acetate	5.208	43	656715	2.207	ppbv #	75
26) Hexane	5.208	57	960715	7.681	ppbv #	37
34) 2-Butanone	4.787	43	6810	0.045	ppbv #	4
39) 1,2-Dichloropropane	6.655	63	706302	7.520	ppbv #	22
41) Tetrahydrofuran	5.565	42	148127	1.559	ppbv	100
53) Toluene	9.227	91	13377	0.048	ppbv #	20

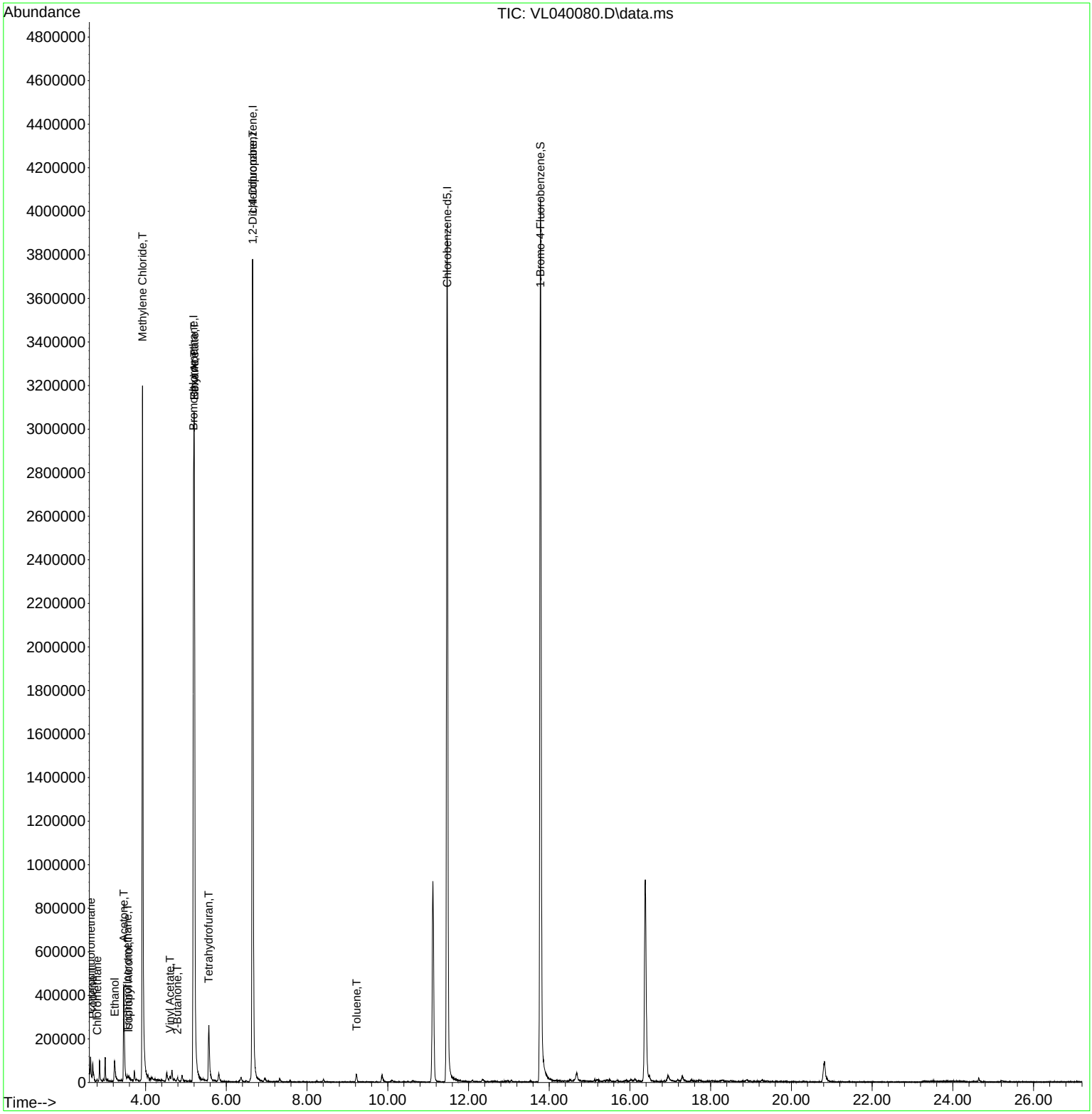
(#) = qualifier out of range (m) = manual integration (+) = signals summed

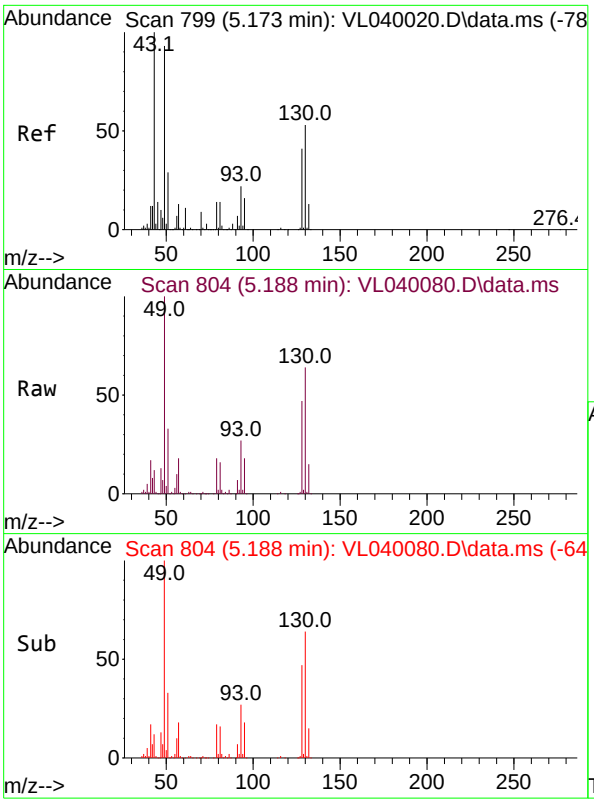
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
Data File : VL040080.D
Acq On : 9 Jan 2023 17:52
Operator : SY/MD
Sample : 01074-02DL 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Quant Time: Jan 09 21:33:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration



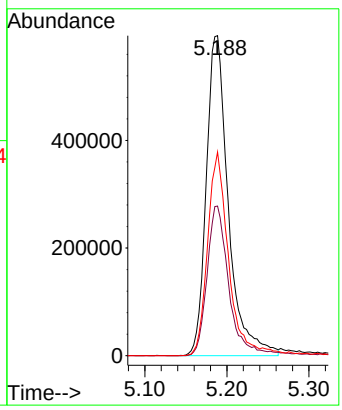


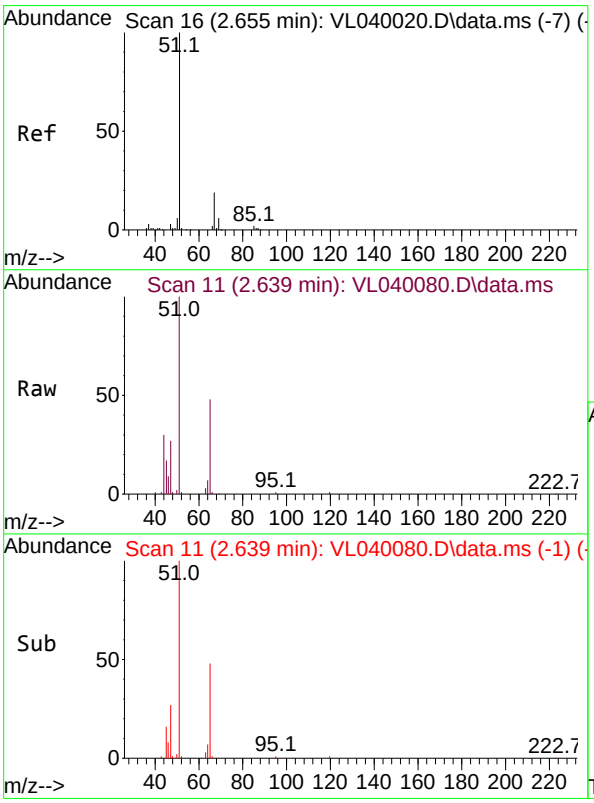
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 8
Delta R.T. 0.015 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 49 Resp: 1110895

Ion	Ratio	Lower	Upper
49	100		
128	47.5	22.4	67.3
130	62.5	28.9	86.8

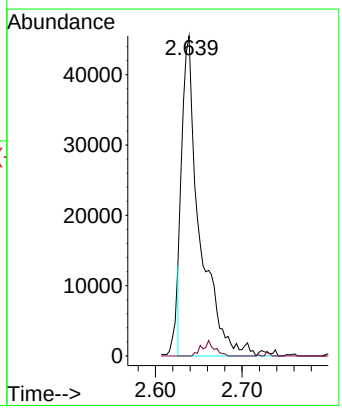


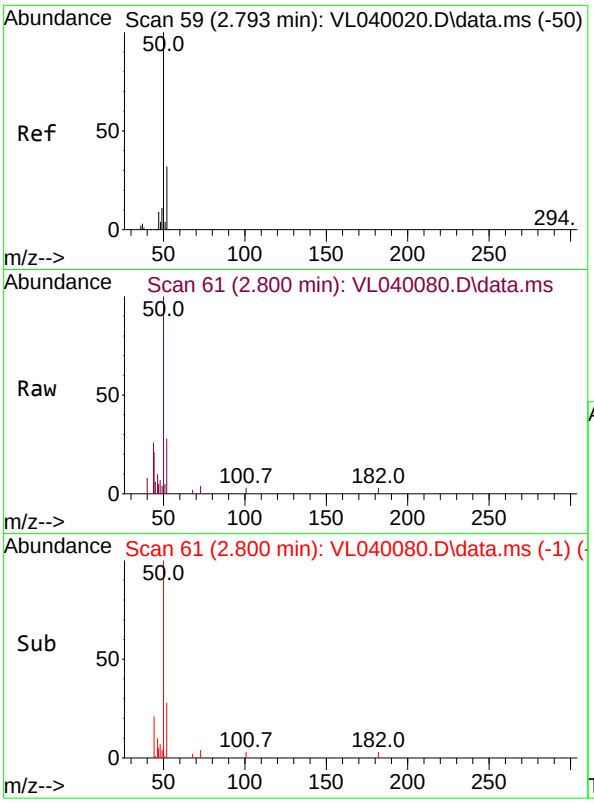


#3
Chlorodifluoromethane
Concen: 0.397 ppbv
RT: 2.639 min Scan# 11
Delta R.T. -0.016 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 51 Resp: 65043

Ion	Ratio	Lower	Upper
51	100		
67	3.3	15.3	22.9#



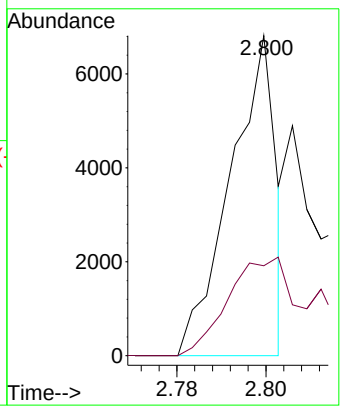


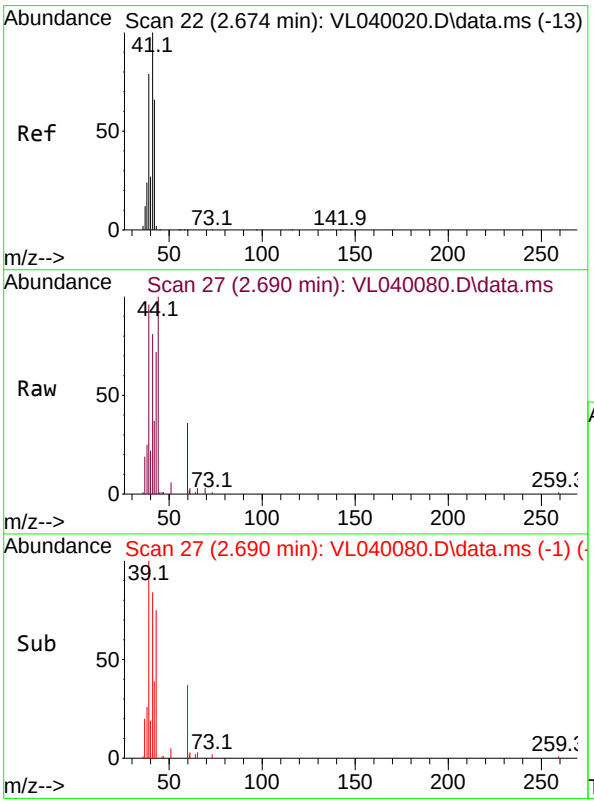
#4
Chloromethane
Concen: 0.047 ppbv
RT: 2.800 min Scan# 6
Delta R.T. 0.006 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 50 Resp: 4826

Ion	Ratio	Lower	Upper
50	100		
52	28.1	25.5	38.3

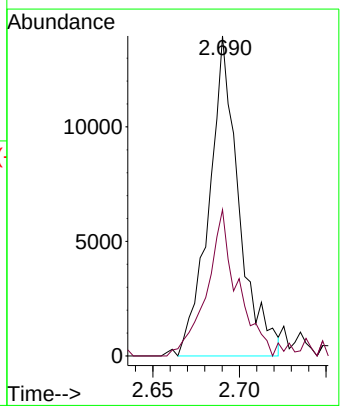


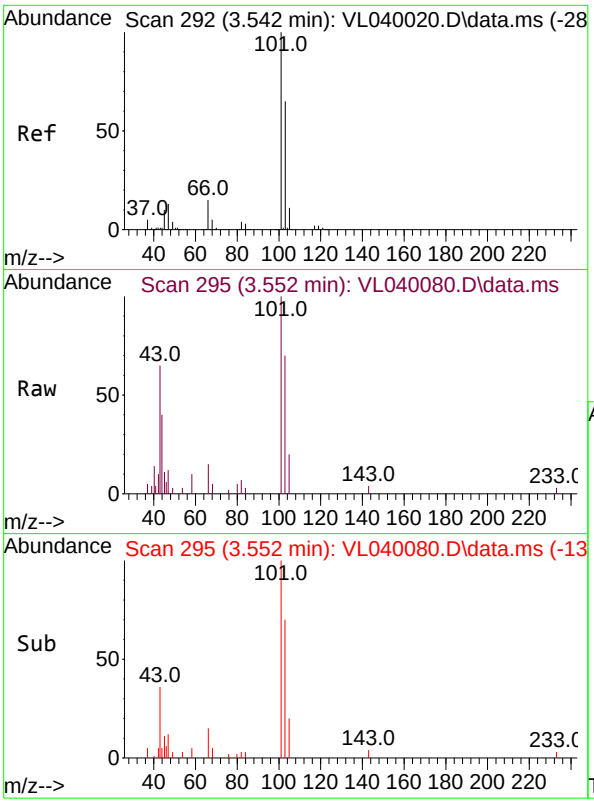


#9
Propene
Concen: 0.241 ppbv
RT: 2.690 min Scan# 27
Delta R.T. 0.016 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 41 Resp: 16735

Ion	Ratio	Lower	Upper
41	100		
42	50.9	54.8	82.2#



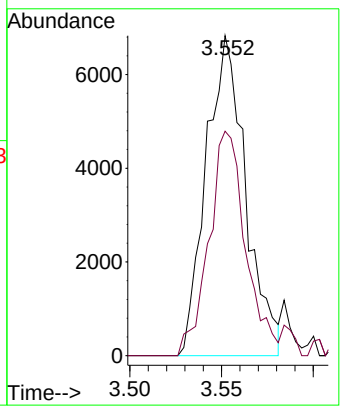


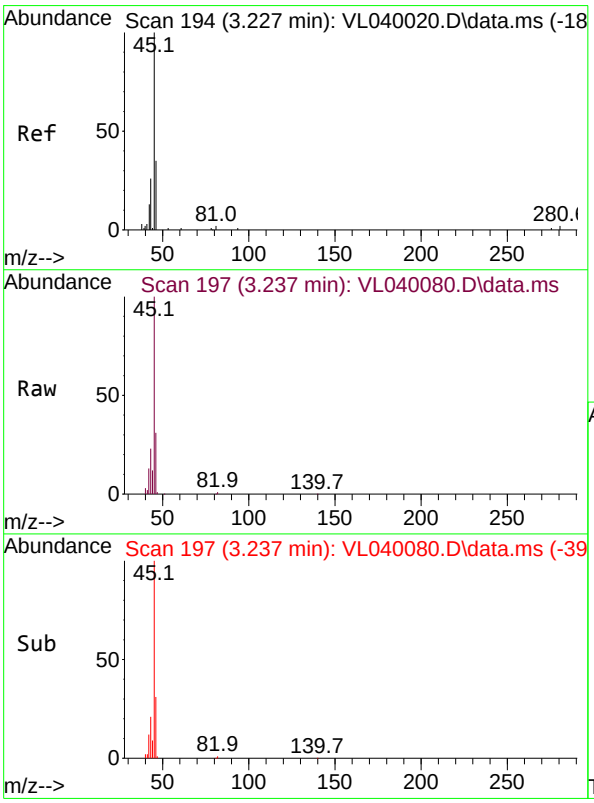
#11
Trichlorofluoromethane
Concen: 0.045 ppbv
RT: 3.552 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion:101 Resp: 10246

Ion	Ratio	Lower	Upper
101	100		
103	70.2	51.7	77.5

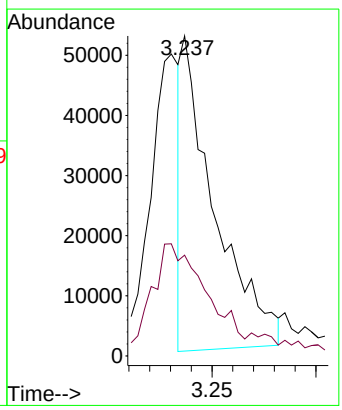


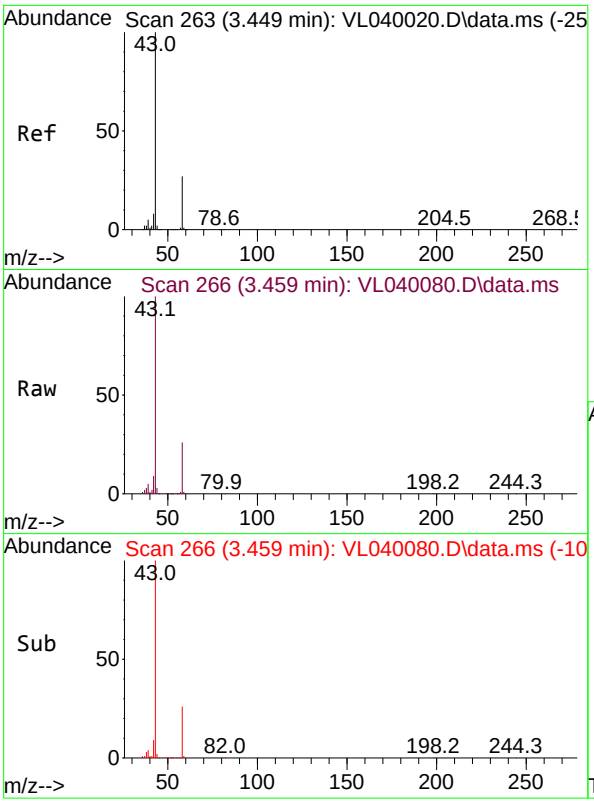


#13
Ethanol
Concen: 8.731 ppbv
RT: 3.237 min Scan# 197
Delta R.T. 0.010 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 45 Resp: 57158

Ion	Ratio	Lower	Upper
45	100		
46	0.0	13.7	54.7#



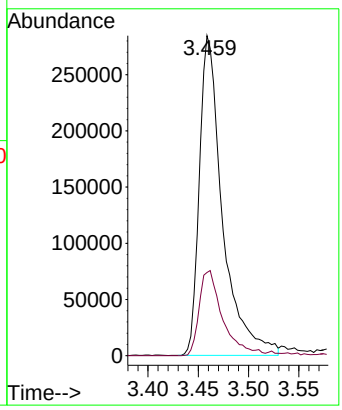


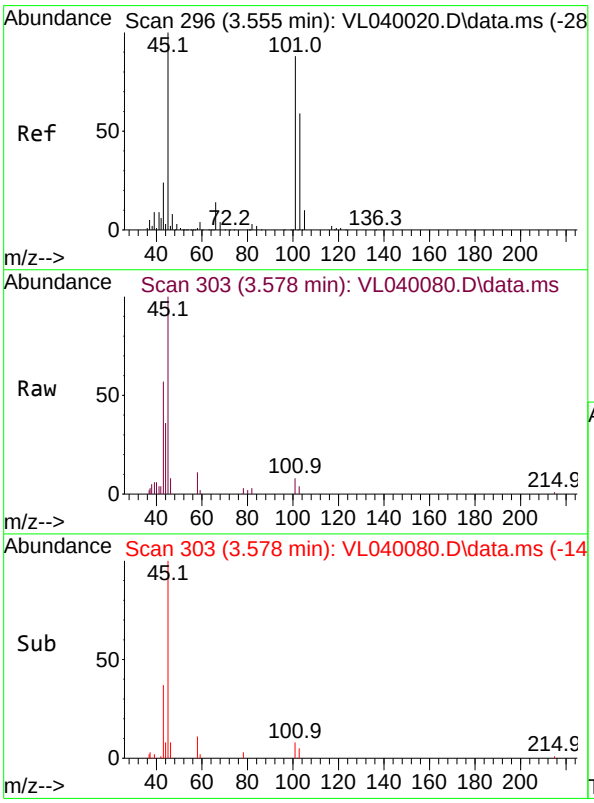
#15
Acetone
Concen: 2.649 ppbv
RT: 3.459 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 43 Resp: 455211

Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.8	32.8

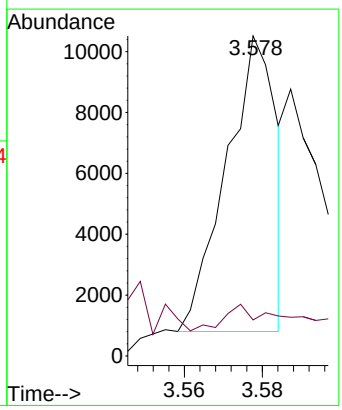


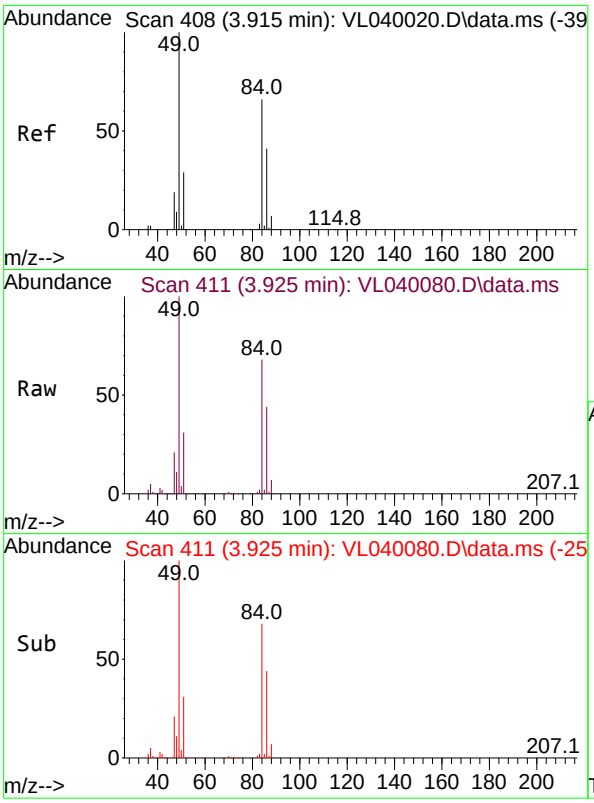


#19
Isopropyl Alcohol
Concen: 0.102 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.022 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 45 Resp: 8609

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.7	2.5#



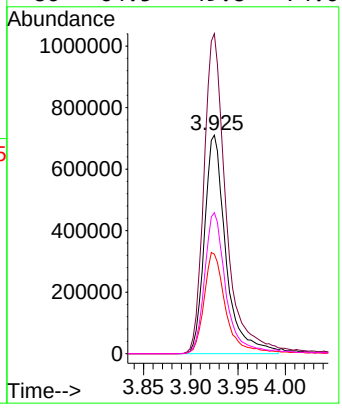


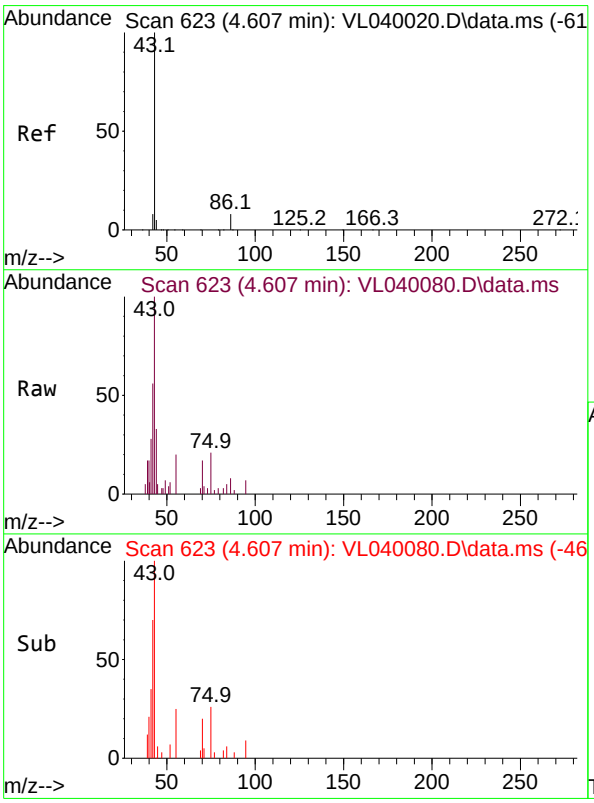
#20
Methylene Chloride
Concen: 15.422 ppbv
RT: 3.925 min Scan# 4
Delta R.T. 0.010 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 84 Resp: 1126508

Ion	Ratio	Lower	Upper
84	100		
49	146.4	120.5	180.7
51	45.5	35.2	52.8
86	64.5	49.8	74.6

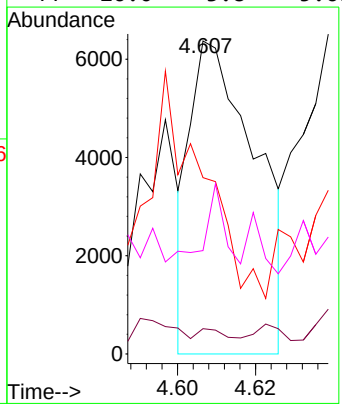


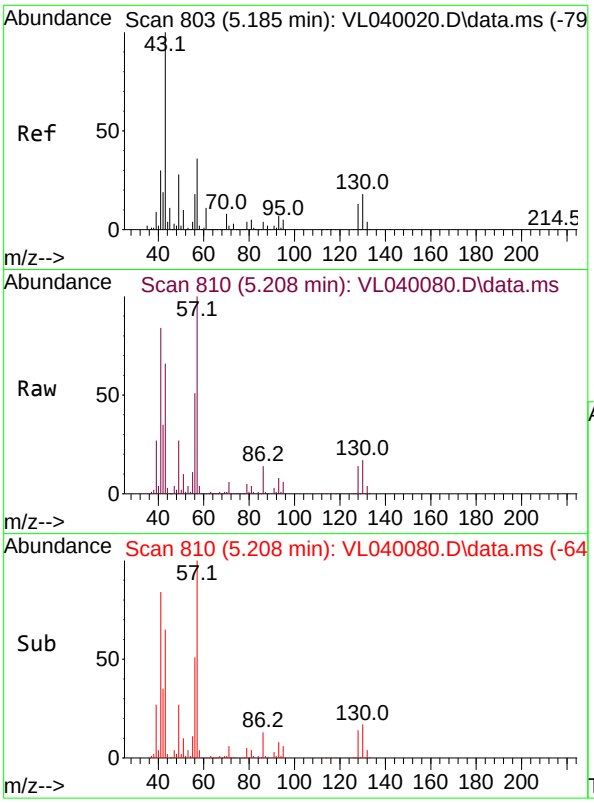


#23
Vinyl Acetate
Concen: 0.137 ppbv
RT: 4.607 min Scan# 623
Delta R.T. -0.000 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 43 Resp: 7469

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.3	7.9#
42	34.6	7.4	11.0#
44	26.0	3.8	5.6#



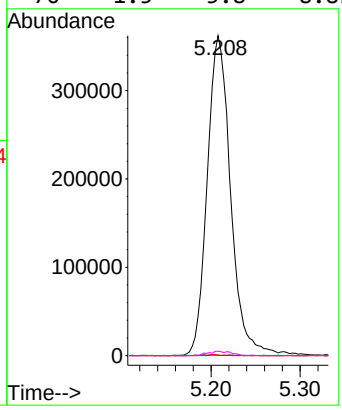


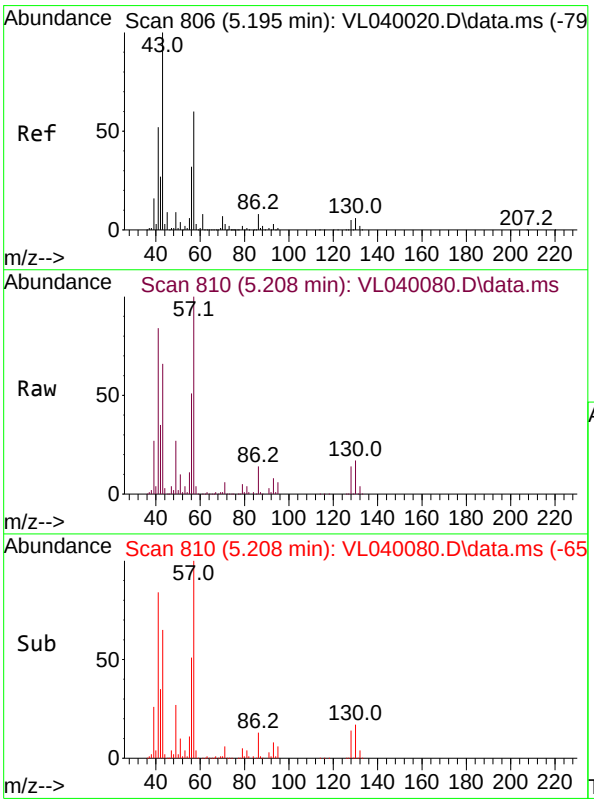
#25
Ethyl Acetate
Concen: 2.207 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.022 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 43 Resp: 656715

Ion	Ratio	Lower	Upper
43	100		
45	0.3	8.6	12.8#
61	0.2	8.5	12.7#
70	1.5	5.8	8.8#

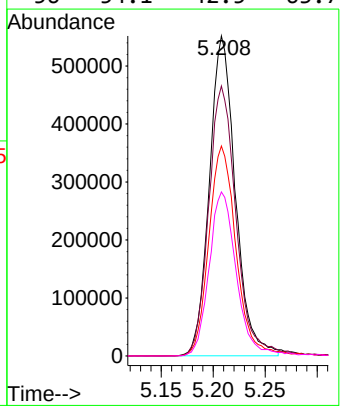


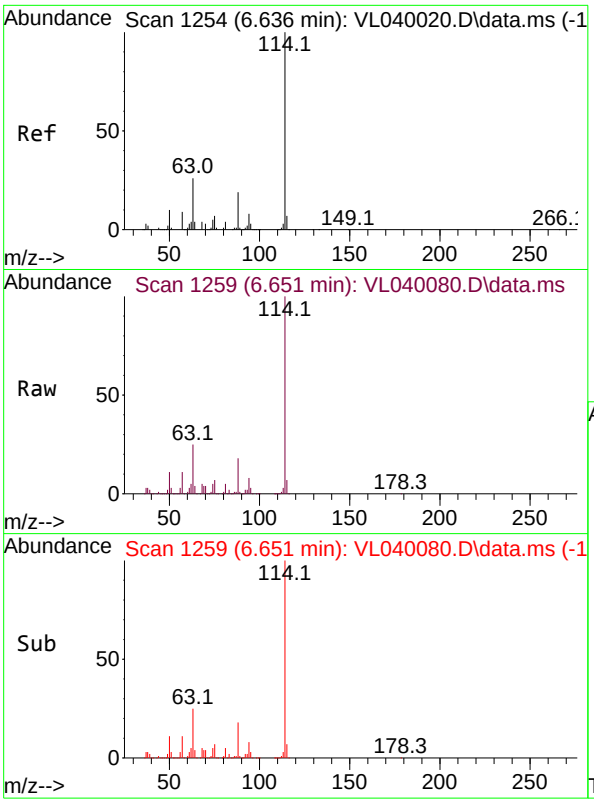


#26
Hexane
Concen: 7.681 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.013 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 57 Resp: 960715

Ion	Ratio	Lower	Upper
57	100		
41	90.1	72.1	108.1
43	69.3	192.1	288.1#
56	54.1	42.5	63.7



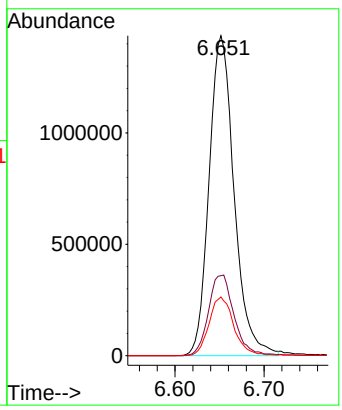


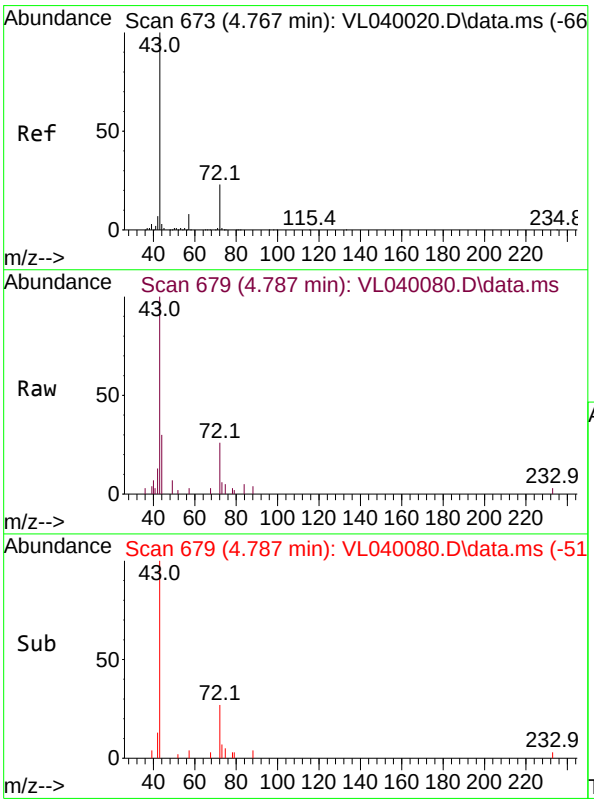
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1
Delta R.T. 0.016 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion:114 Resp: 2805681

Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.2	30.2
88	18.3	14.6	21.8

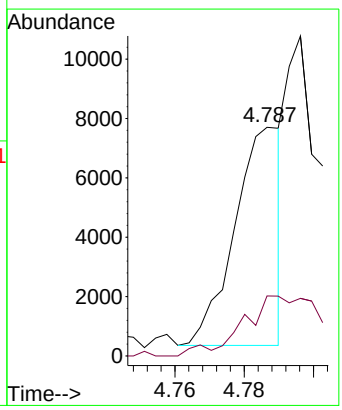


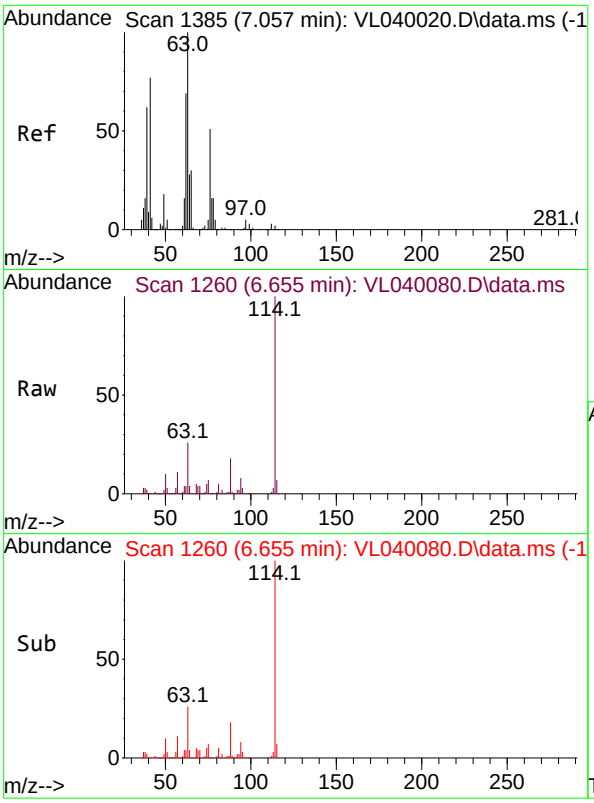


#34
2-Butanone
Concen: 0.045 ppbv
RT: 4.787 min Scan# 679
Delta R.T. 0.019 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 43 Resp: 6810

Ion	Ratio	Lower	Upper
43	100		
72	68.5	18.0	27.0#



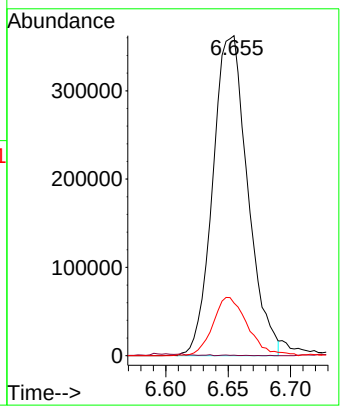


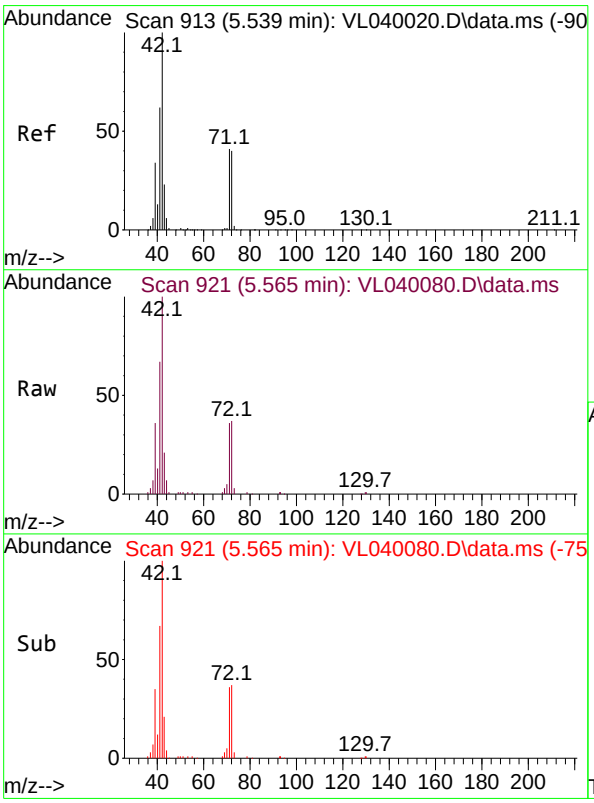
#39
1,2-Dichloropropane
Concen: 7.520 ppbv
RT: 6.655 min Scan# 1
Delta R.T. -0.402 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 63 Resp: 706302

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.4	92.0#
62	16.2	55.4	83.2#

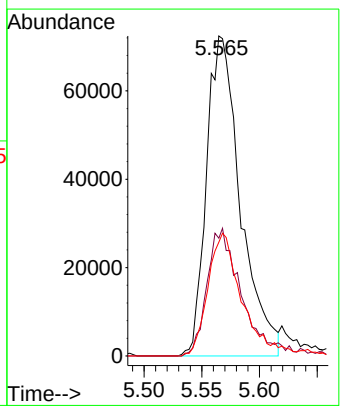


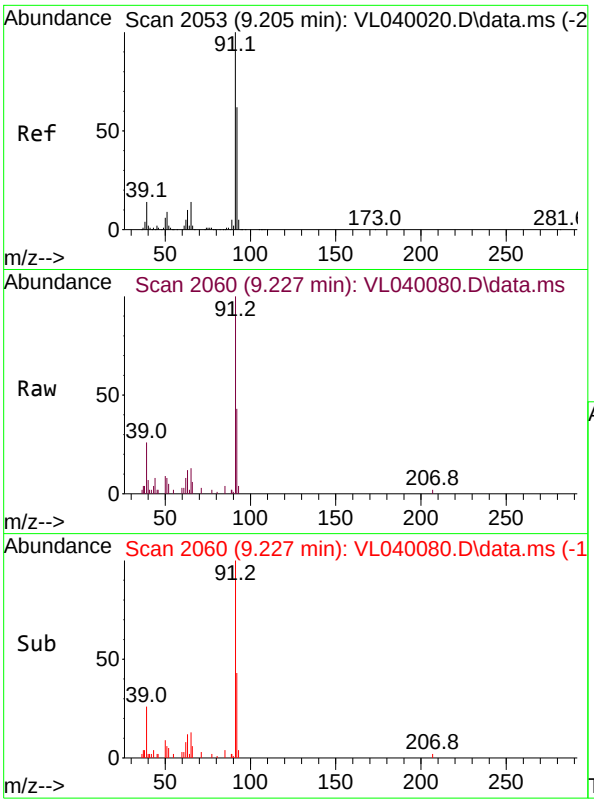


#41
Tetrahydrofuran
Concen: 1.559 ppbv
RT: 5.565 min Scan# 921
Delta R.T. 0.026 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion: 42 Resp: 148127

Ion	Ratio	Lower	Upper
42	100		
72	41.5	32.9	49.3
71	40.1	32.2	48.2



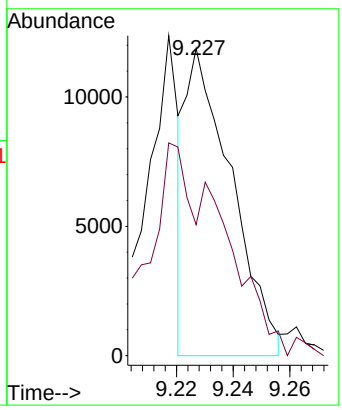


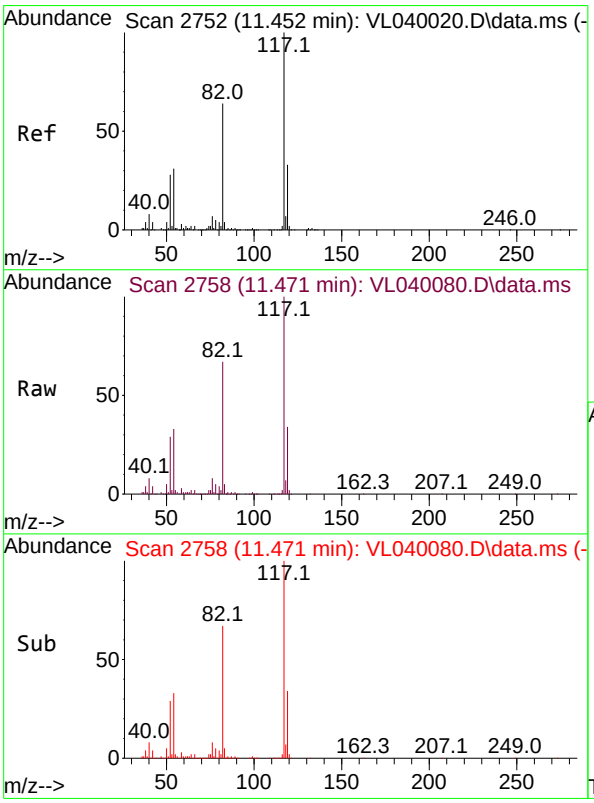
#53
Toluene
Concen: 0.048 ppbv
RT: 9.227 min Scan# 2(
Delta R.T. 0.022 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 91 Resp: 13377

Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.7	73.1#

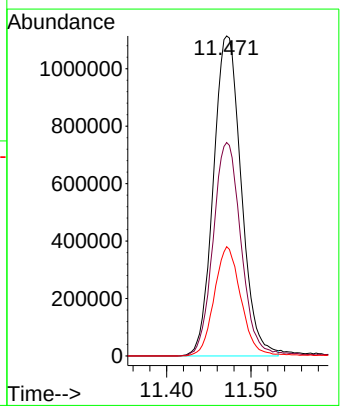


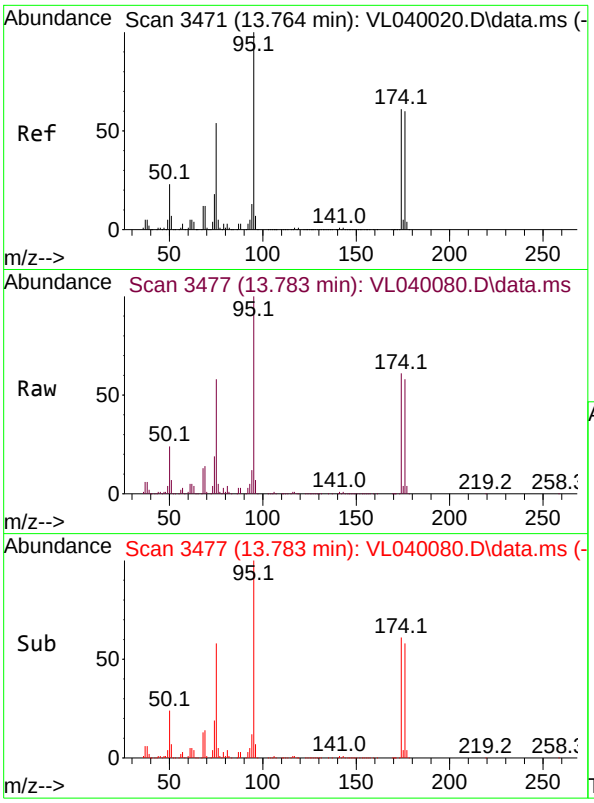


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 2758
Delta R.T. 0.019 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Tgt Ion:117 Resp: 2551657

Ion	Ratio	Lower	Upper
117	100		
82	67.8	51.2	76.8
119	33.2	23.2	34.8





#68
1-Bromo-4-Fluorobenzene
Concen: 10.578 ppbv
RT: 13.783 min Scan# 3
Delta R.T. 0.019 min
Lab File: VL040080.D
Acq: 9 Jan 2023 17:52

Instrument :
MSVOA_L
ClientSampleId :
AP-113DL

Tgt Ion: 95 Resp: 2061813

Ion	Ratio	Lower	Upper
95	100		
174	60.9	48.6	73.0
175	4.2	3.4	5.2