Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040717.D
Acq On : 19 Sep 2023 3:06
Operator : SY/MD
Sample : 04495-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Quant Time: Sep 19 05:26:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

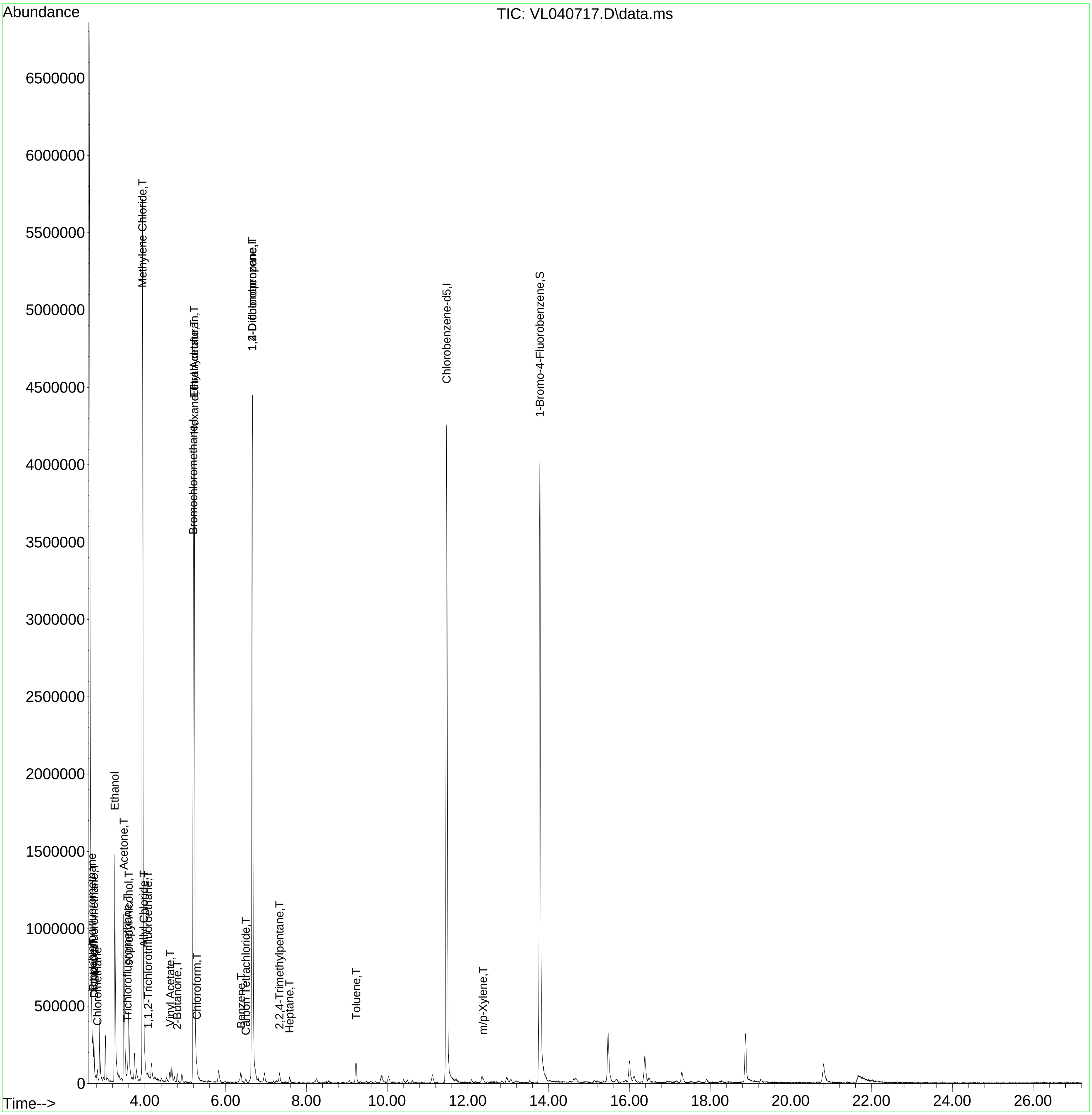
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.198	49	1299598	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3548516	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	2962590	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2136468	9.334	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 93.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.738	85	122864	0.429	ppbv	99
3) Chlorodifluoromethane	2.684	51	79961	0.378	ppbv #	81
4) Chloromethane	2.822	50	42093	0.519	ppbv	91
9) Propene	2.713	41	37609	0.617	ppbv #	76
10) Heptane	7.581	43	13414	0.098	ppbv	87
11) Trichlorofluoromethane	3.571	101	43172	0.172	ppbv	99
12) 1,1,2-Trichlorotrifluo...	4.079	101	11332	0.063	ppbv	93
13) Ethanol	3.253	45	1465981	81.204	ppbv	97
15) Acetone	3.475	43	1078275	6.290	ppbv	97
19) Isopropyl Alcohol	3.597	45	482100	4.667	ppbv #	97
20) Methylene Chloride	3.941	84	1962856	21.274	ppbv	93
21) Allyl Chloride	3.970	41	4507	0.043	ppbv #	20
23) Vinyl Acetate	4.626	43	46176	0.260	ppbv #	72
25) Ethyl Acetate	5.221	43	1028876	3.721	ppbv #	77
26) Hexane	5.224	57	1551270	11.866	ppbv #	36
29) Chloroform	5.285	83	10027	0.044	ppbv #	55
34) 2-Butanone	4.799	43	57508	0.322	ppbv #	88
35) Carbon Tetrachloride	6.497	117	13344	0.055	ppbv #	73
36) Benzene	6.381	78	31750	0.121	ppbv #	88
39) 1,2-Dichloropropane	6.658	63	852054	8.424	ppbv #	22
41) Tetrahydrofuran	5.221	42	521724	5.701	ppbv #	47
44) 2,2,4-Trimethylpentane	7.333	57	26596	0.064	ppbv #	34
53) Toluene	9.233	91	98675	0.356	ppbv	98
59) m/p-Xylene	12.375	91	9584	0.030	ppbv #	32

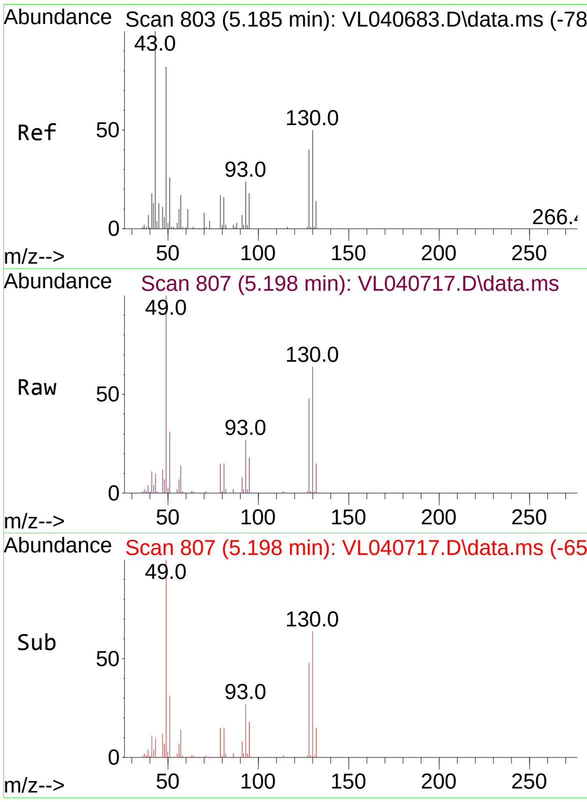
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
Data File : VL040717.D
Acq On : 19 Sep 2023 3:06
Operator : SY/MD
Sample : 04495-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Quant Time: Sep 19 05:26:25 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration



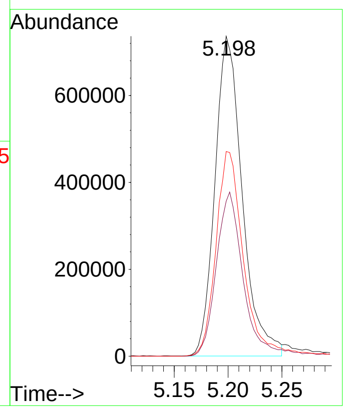


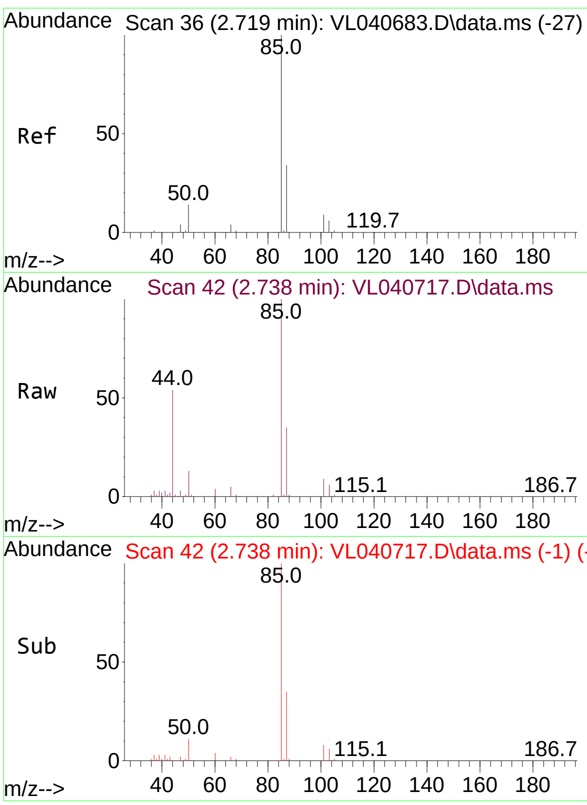
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.000 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 49 Resp: 1299598

Ion	Ratio	Lower	Upper
49	100		
128	51.4	25.4	76.0
130	65.9	32.3	96.8

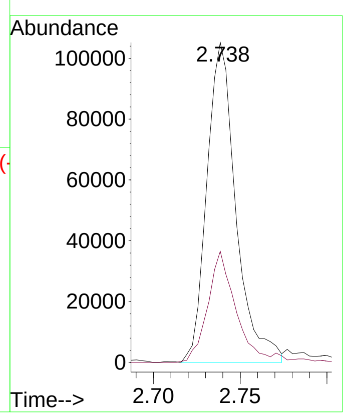


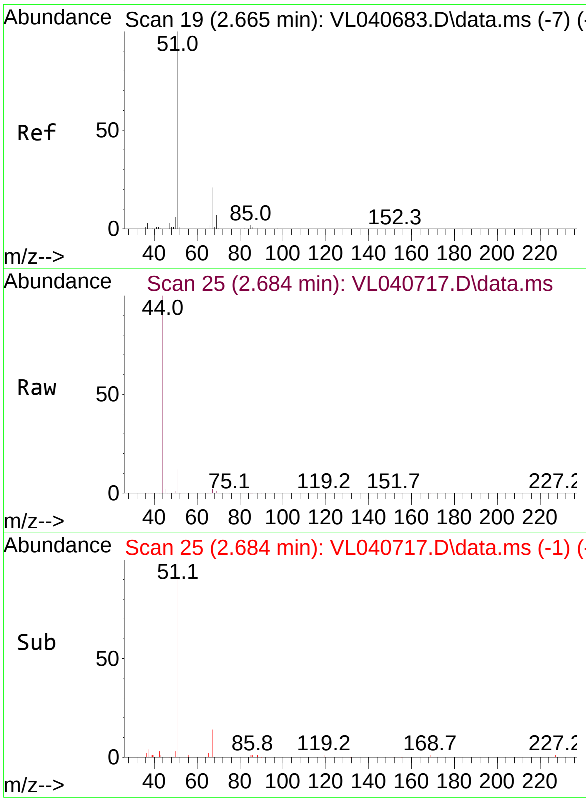


#2
Dichlorodifluoromethane
Concen: 0.429 ppbv
RT: 2.738 min Scan# 42
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 85 Resp: 122864

Ion	Ratio	Lower	Upper
85	100		
87	34.4	27.2	40.8



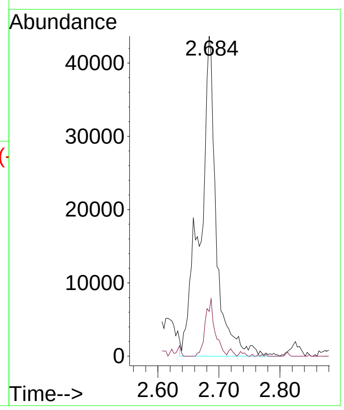


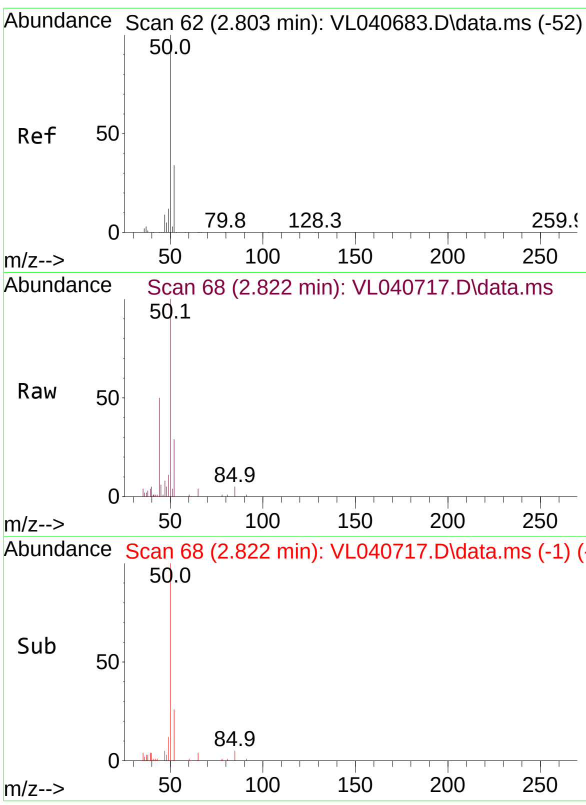
#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 2.684 min Scan# 2
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 51 Resp: 79961

Ion	Ratio	Lower	Upper
51	100		
67	11.9	16.7	25.1#

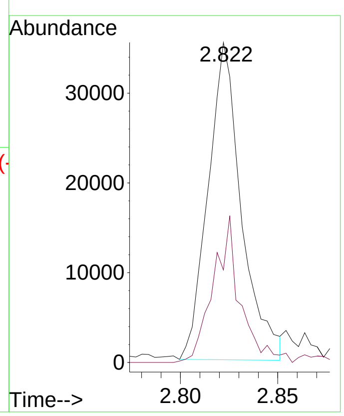


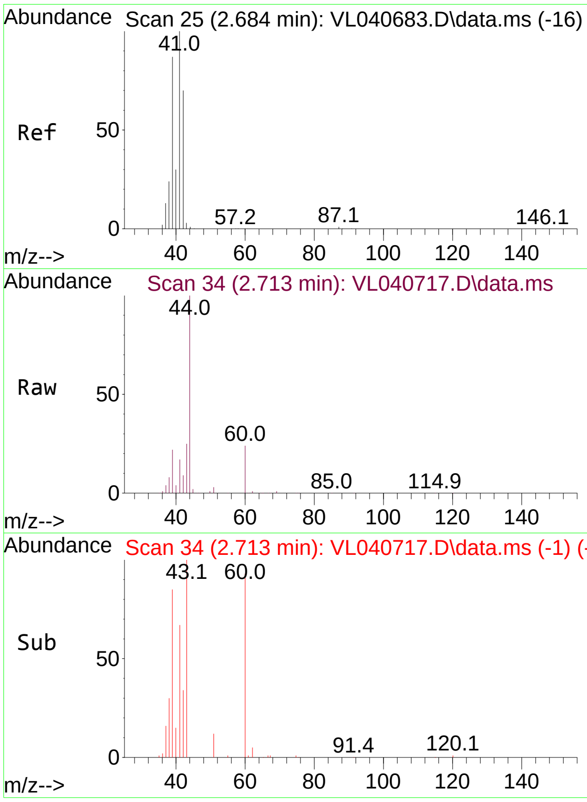


#4
Chloromethane
Concen: 0.519 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 50 Resp: 42093

Ion	Ratio	Lower	Upper
50	100		
52	28.8	27.1	40.7



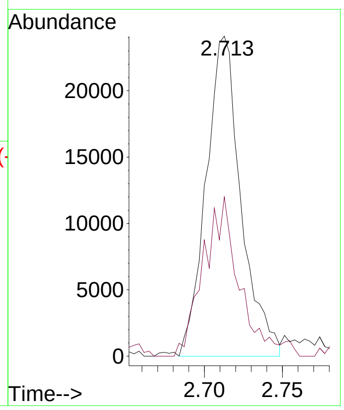


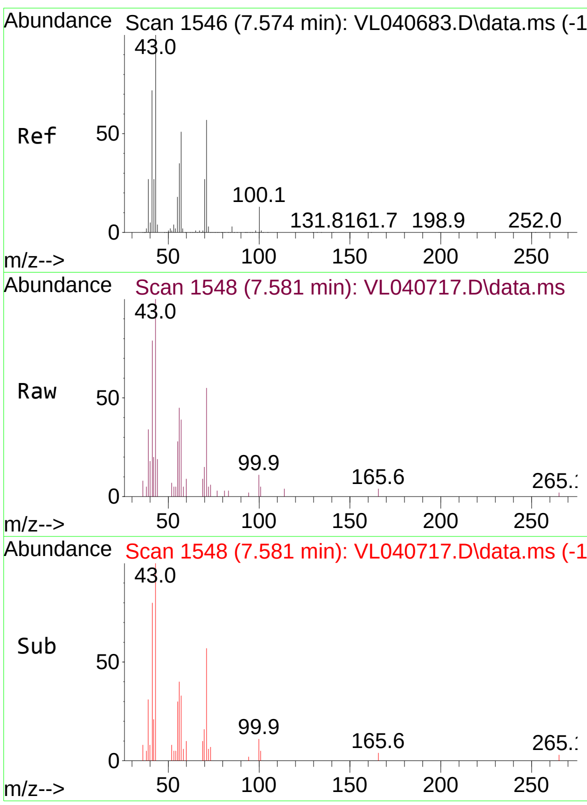
#9
Propene
Concen: 0.617 ppbv
RT: 2.713 min Scan# 3
Delta R.T. 0.016 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 41 Resp: 37609

Ion	Ratio	Lower	Upper
41	100		
42	51.4	56.7	85.1#

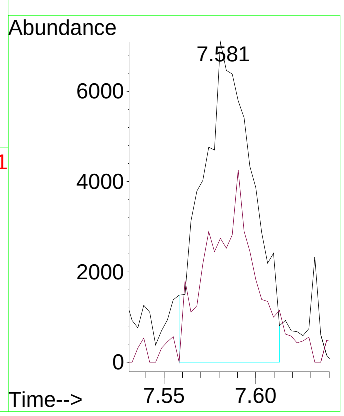


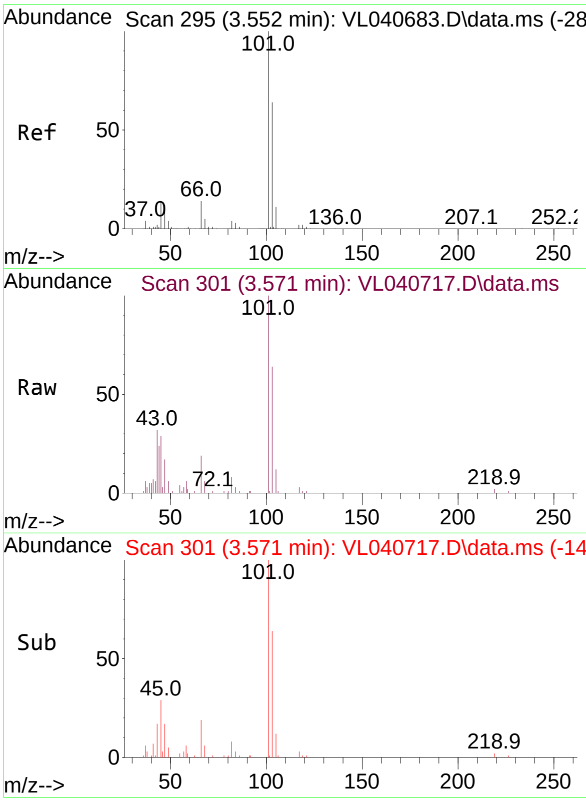


#10
Heptane
Concen: 0.098 ppbv
RT: 7.581 min Scan# 1548
Delta R.T. -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 43 Resp: 13414

Ion	Ratio	Lower	Upper
43	100		
57	61.5	41.8	62.6



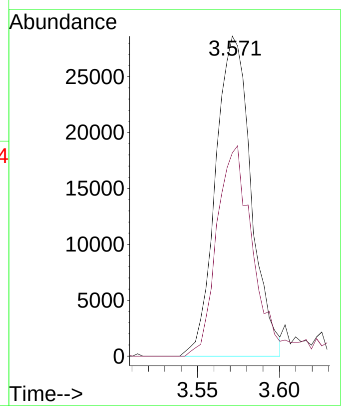


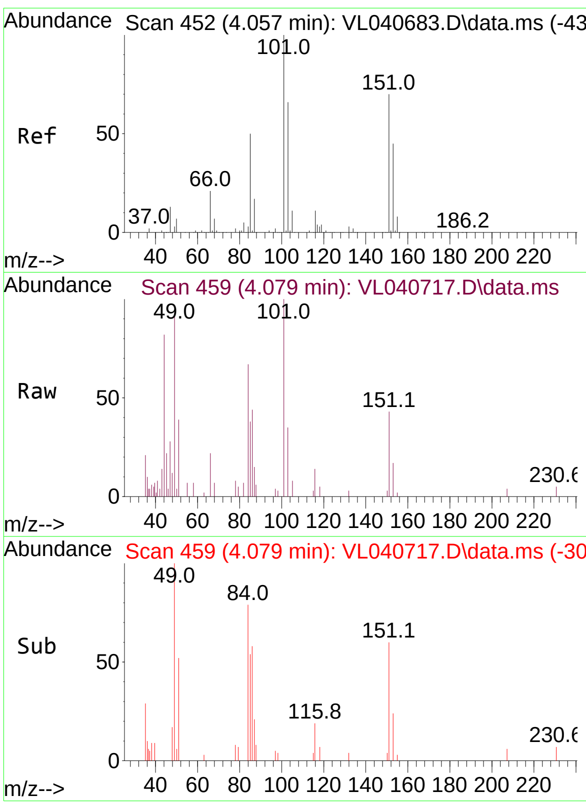
#11
Trichlorofluoromethane
Concen: 0.172 ppbv
RT: 3.571 min Scan# 30
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion:101 Resp: 43172

Ion	Ratio	Lower	Upper
101	100		
103	63.5	51.3	76.9

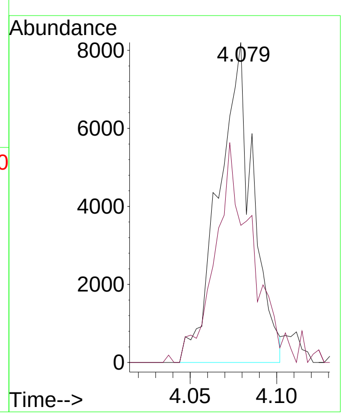


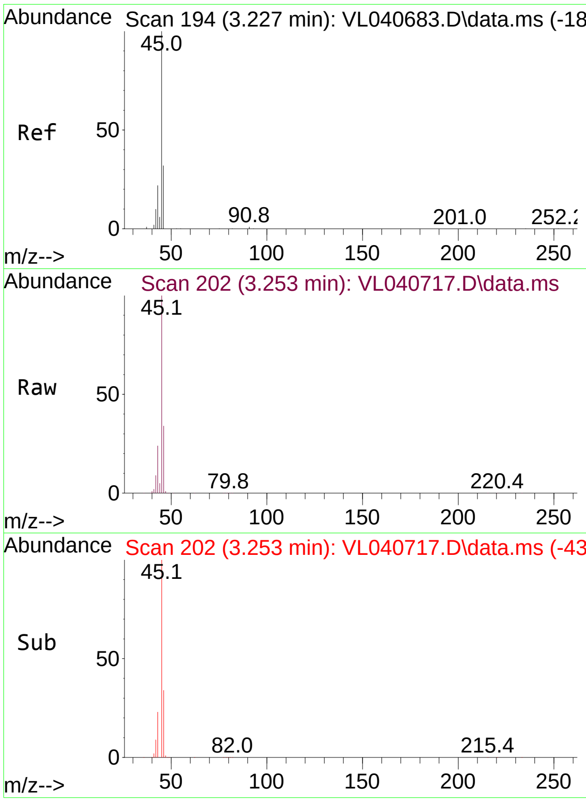


#12
1,1,2-Trichlorotrifluoroethane
Concen: 0.063 ppbv
RT: 4.079 min Scan# 459
Delta R.T. 0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion:101 Resp: 11332

Ion	Ratio	Lower	Upper
101	100		
151	76.9	56.8	85.2





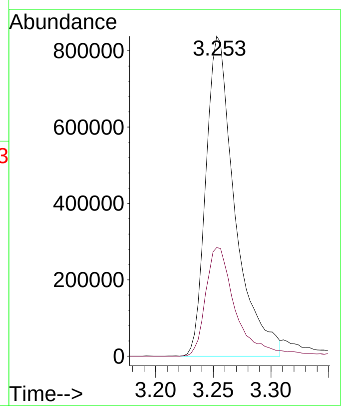
#13
Ethanol
Concen: 81.204 ppbv
RT: 3.253 min Scan# 2

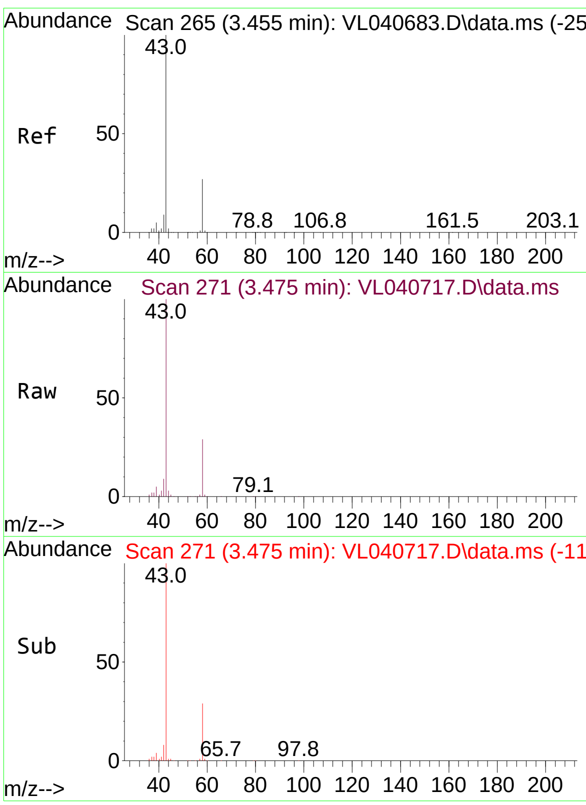
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Delta R.T. 0.010 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 45 Resp: 1465981

Ion	Ratio	Lower	Upper
45	100		
46	36.6	15.2	61.0

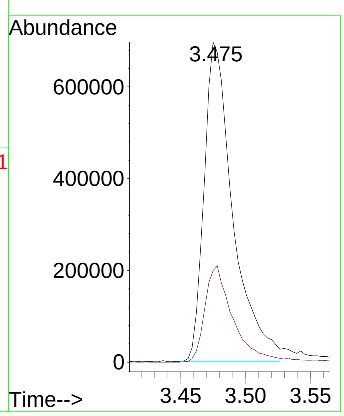


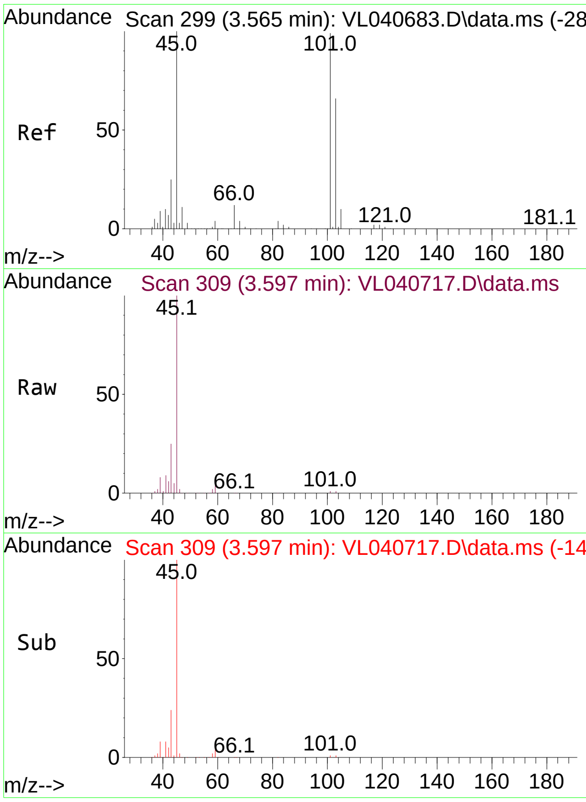


#15
Acetone
Concen: 6.290 ppbv
RT: 3.475 min Scan# 271
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 43 Resp: 1078275

Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.6	34.0



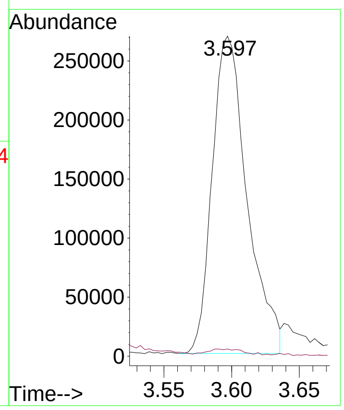


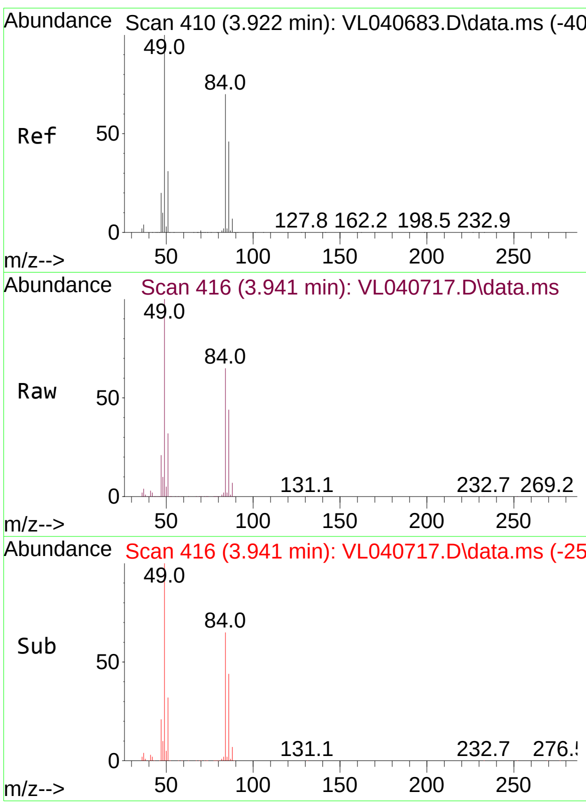
#19
Isopropyl Alcohol
Concen: 4.667 ppbv
RT: 3.597 min Scan# 30
Delta R.T. 0.019 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 45 Resp: 482100

Ion	Ratio	Lower	Upper
45	100		
58	3.3	1.9	2.9#

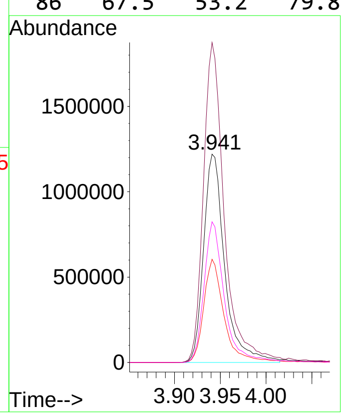


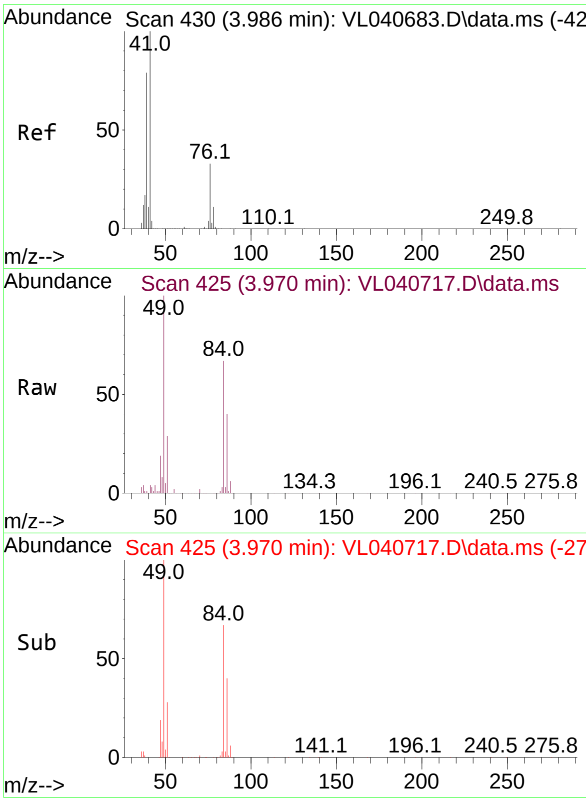


#20
Methylene Chloride
Concen: 21.274 ppbv
RT: 3.941 min Scan# 416
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 84 Resp: 1962856

Ion	Ratio	Lower	Upper
84	100		
49	153.6	114.4	171.6
51	49.5	35.5	53.3
86	67.5	53.2	79.8





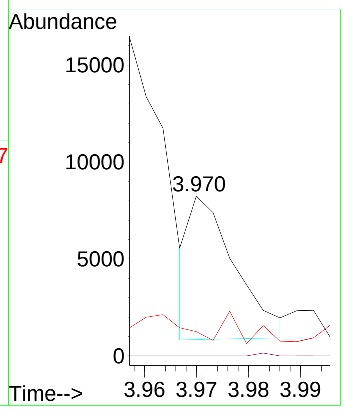
#21
Allyl Chloride
Concen: 0.043 ppbv
RT: 3.970 min   Scan# 4

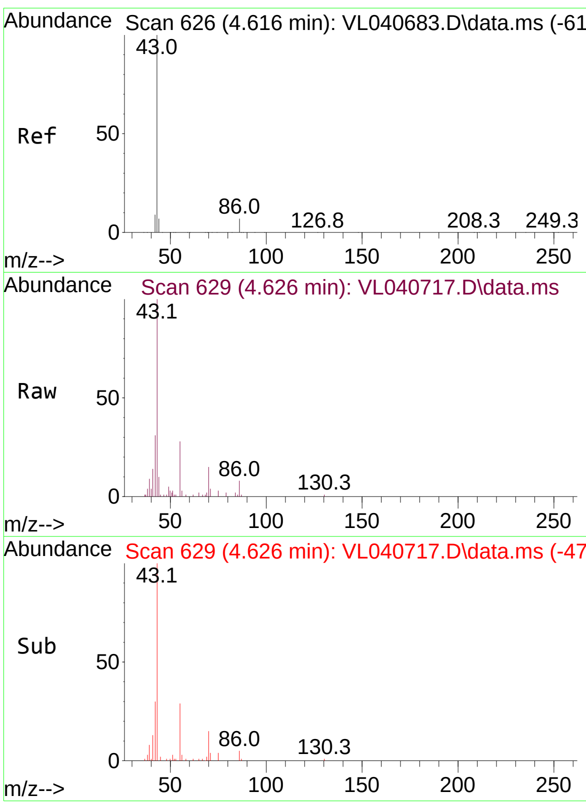
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Delta R.T.   -0.032 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion: 41 Resp: 4507

Ion	Ratio	Lower	Upper
41	100		
76	0.0	26.6	40.0#
39	160.6	65.0	97.4#

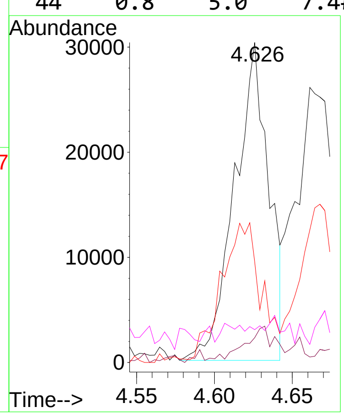


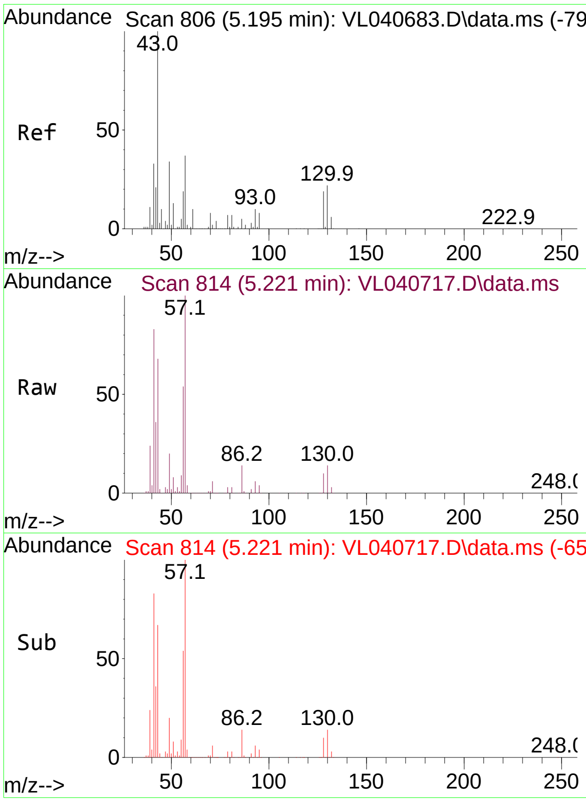


#23
Vinyl Acetate
Concen: 0.260 ppbv
RT: 4.626 min   Scan# 629
Delta R.T.   -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion: 43 Resp: 46176

Ion	Ratio	Lower	Upper
43	100		
86	7.0	5.6	8.4
42	30.5	7.6	11.4#
44	0.8	5.0	7.4#



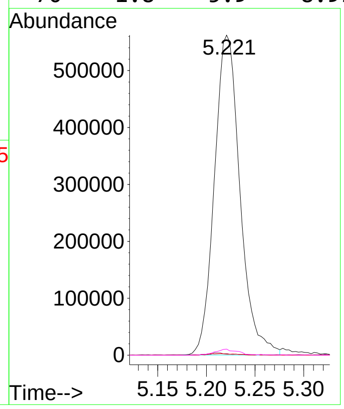


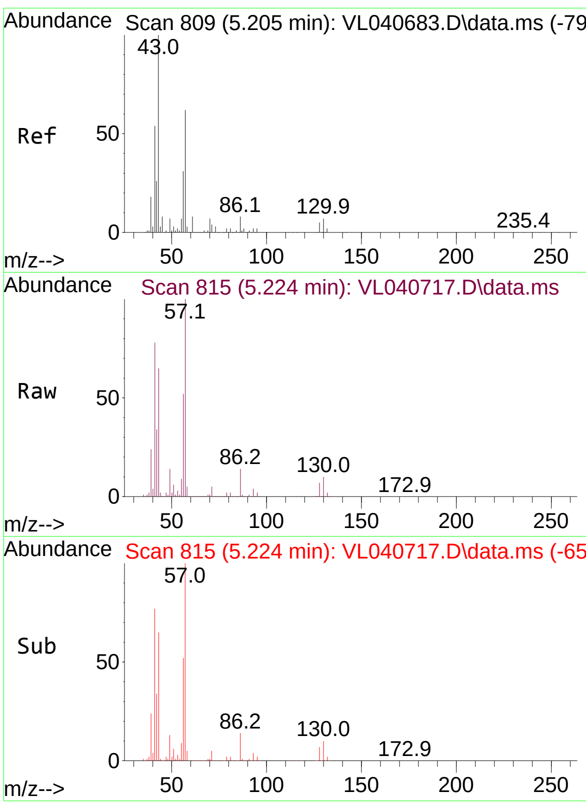
#25
Ethyl Acetate
Concen: 3.721 ppbv
RT: 5.221 min Scan# 8
Delta R.T. 0.010 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 43 Resp: 1028876

Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.2	12.4#
61	0.5	8.2	12.4#
70	1.8	5.9	8.9#

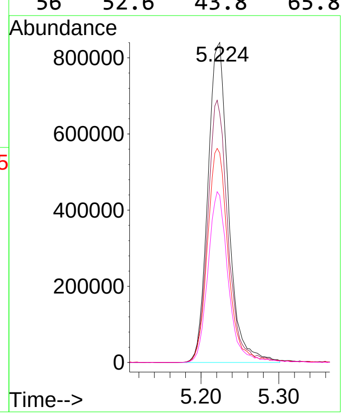


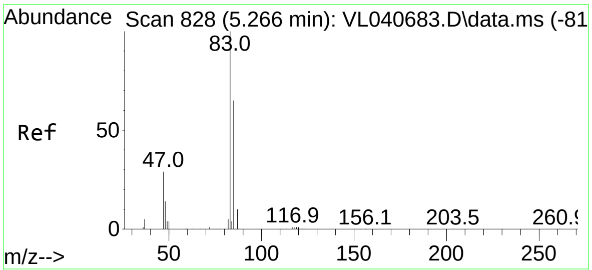


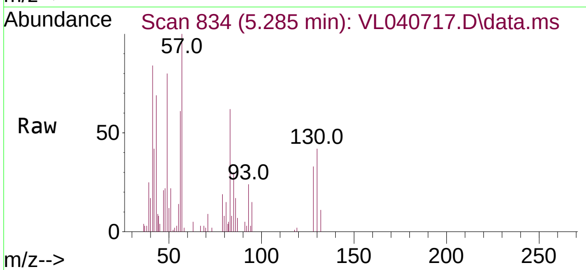
#26
Hexane
Concen: 11.866 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

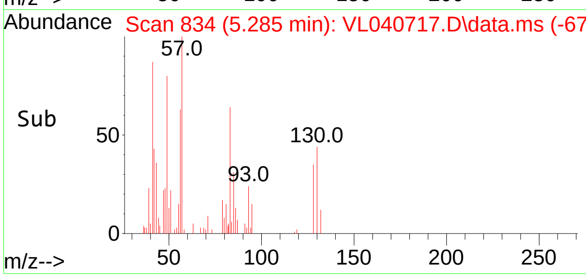
Tgt Ion: 57 Resp: 1551270

Ion	Ratio	Lower	Upper
57	100		
41	81.7	75.2	112.8
43	67.9	185.6	278.4#
56	52.6	43.8	65.8







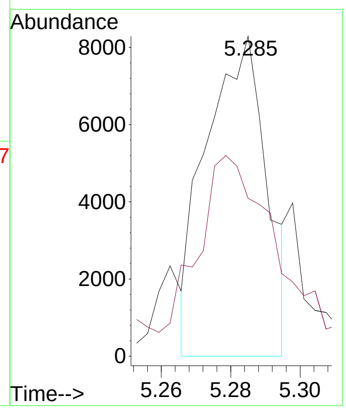


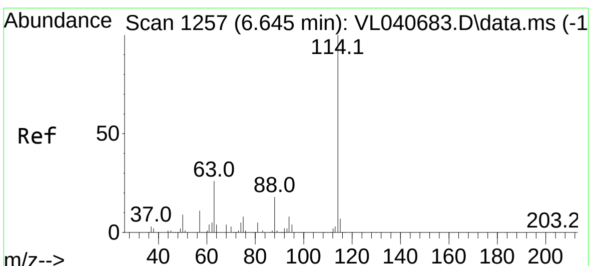
#29
Chloroform
Concen: 0.044 ppbv
RT: 5.285 min   Scan# 8
Delta R.T.   0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

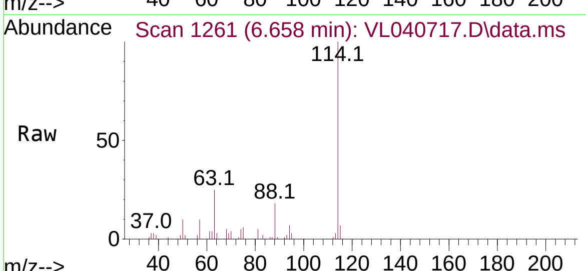
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

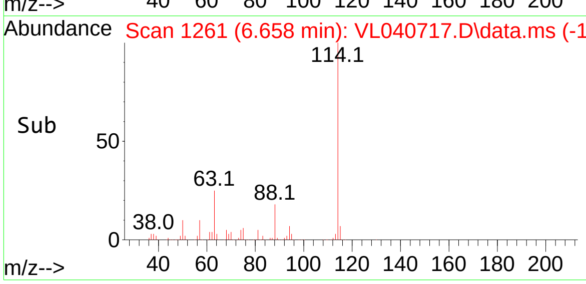
Tgt Ion: 83 Resp: 10027

Ion	Ratio	Lower	Upper
83	100		
85	29.5	51.8	77.8#





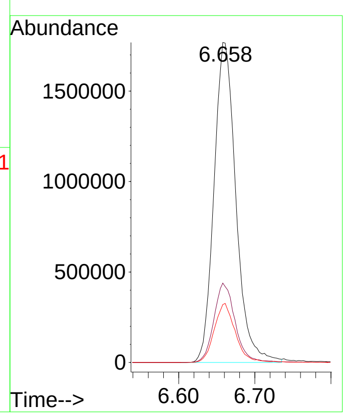


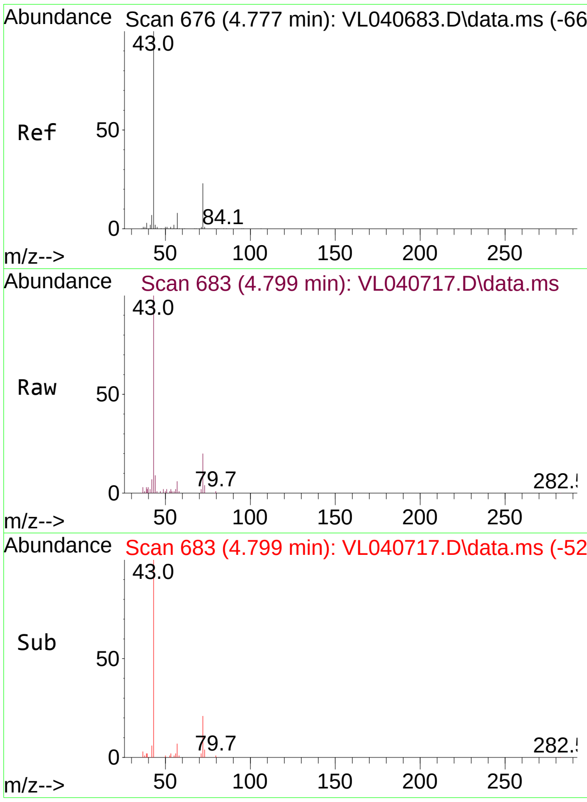


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min   Scan# 1261
Delta R.T.   -0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion:114 Resp: 3548516

Ion	Ratio	Lower	Upper
114	100		
63	24.1	21.1	31.7
88	17.9	14.5	21.7



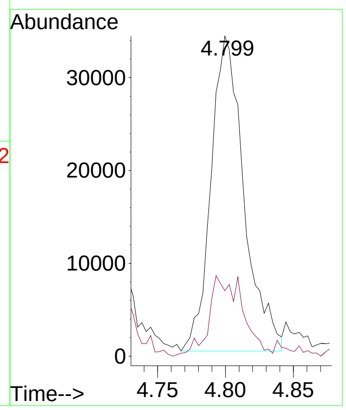


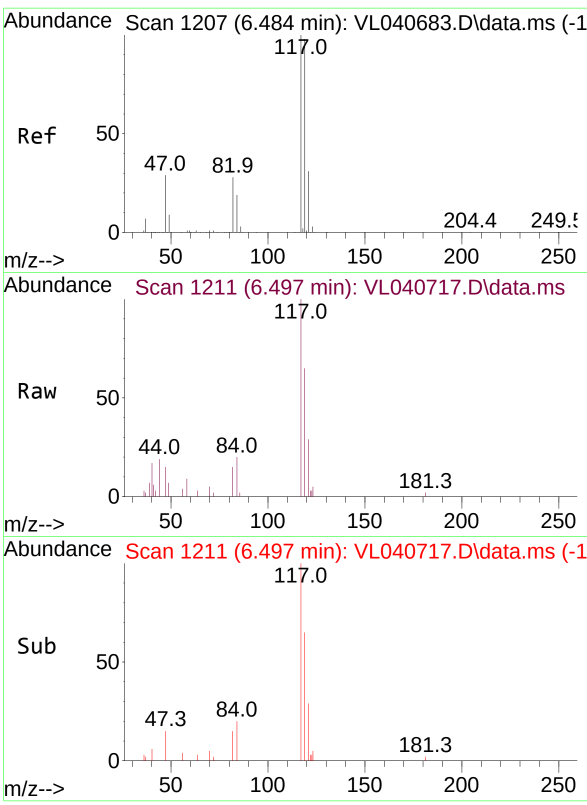
#34
2-Butanone
Concen: 0.322 ppbv
RT: 4.799 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 43 Resp: 57508

Ion	Ratio	Lower	Upper
43	100		
72	29.0	18.6	27.8#

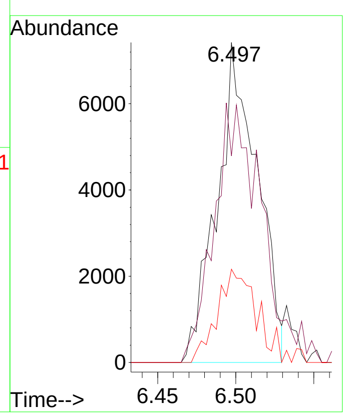


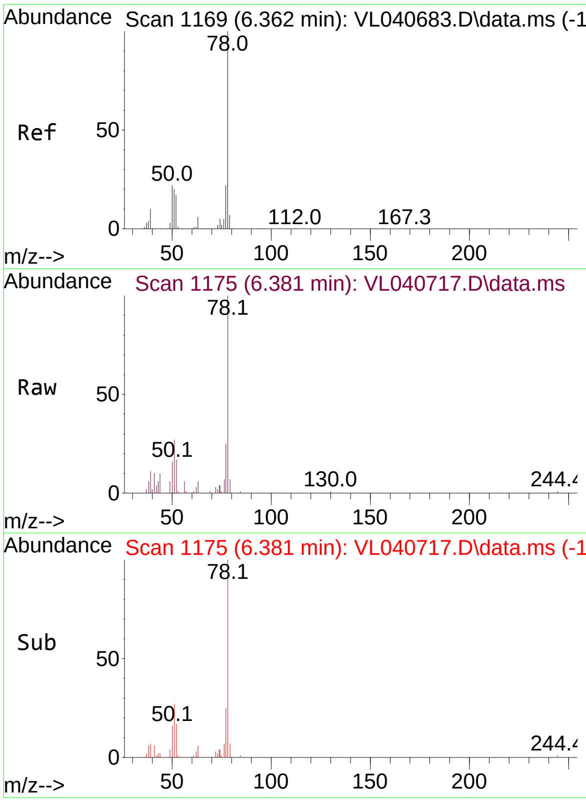


#35
Carbon Tetrachloride
Concen: 0.055 ppbv
RT: 6.497 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion:117 Resp: 13344

Ion	Ratio	Lower	Upper
117	100		
119	64.6	78.6	117.8#
121	29.2	24.7	37.1





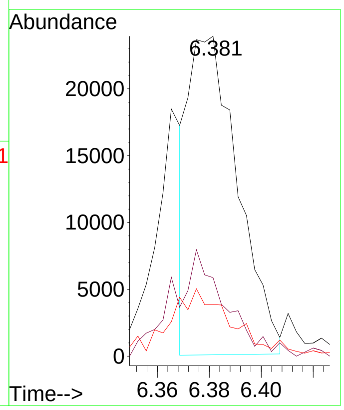
#36
Benzene
Concen: 0.121 ppbv
RT: 6.381 min   Scan# 1

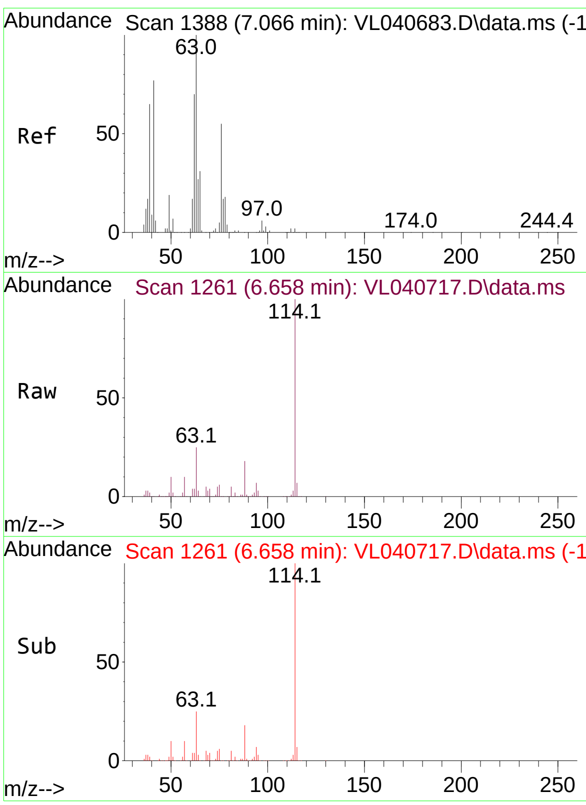
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Delta R.T.   0.000 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion: 78 Resp: 31750

Ion	Ratio	Lower	Upper
78	100		
77	21.6	17.9	26.9
50	10.5	17.3	25.9#

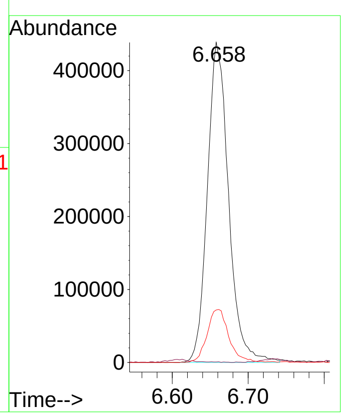


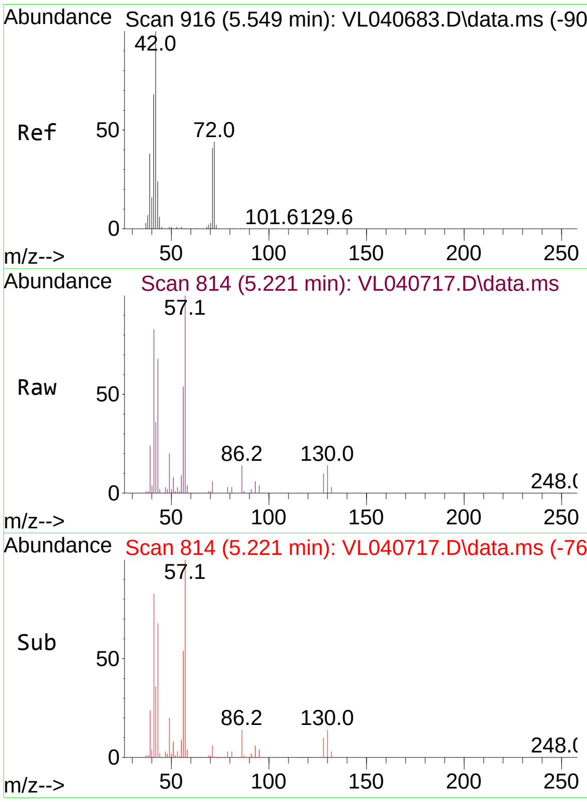


#39
1,2-Dichloropropane
Concen: 8.424 ppbv
RT: 6.658 min   Scan# 1261
Delta R.T.   -0.424 min
Lab File: VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion: 63 Resp: 852054

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.6	92.4#
62	16.4	55.8	83.8#



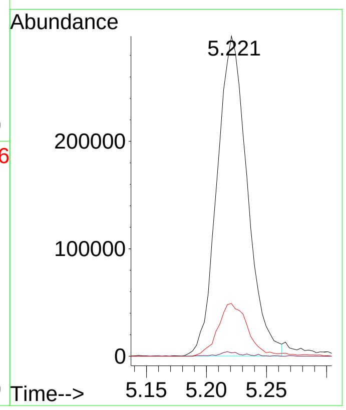


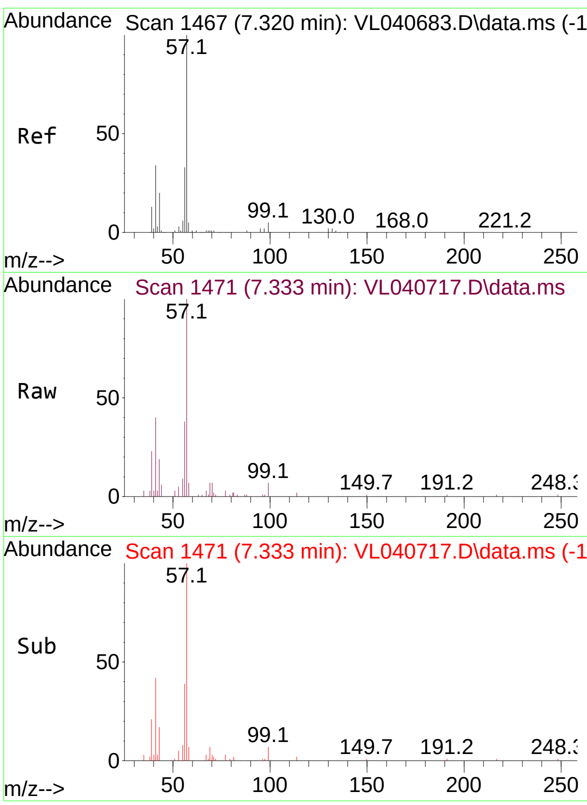
#41
Tetrahydrofuran
Concen: 5.701 ppbv
RT: 5.221 min Scan# 8
Delta R.T. -0.341 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 42 Resp: 521724

Ion	Ratio	Lower	Upper
42	100		
72	1.1	34.9	52.3#
71	16.8	33.8	50.8#

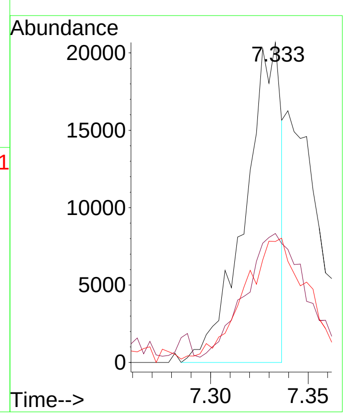


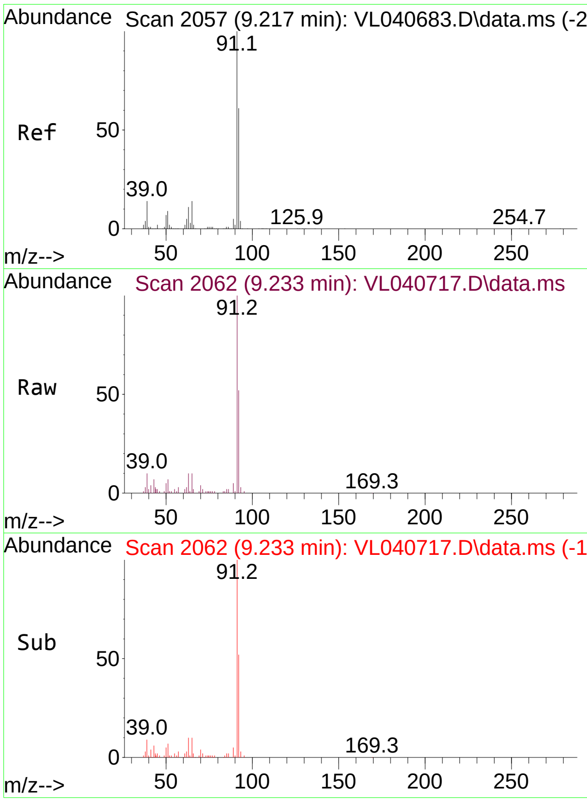


#44
2,2,4-Trimethylpentane
Concen: 0.064 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. -0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 57 Resp: 26596

Ion	Ratio	Lower	Upper
57	100		
41	78.9	28.5	42.7#
56	0.0	25.4	38.2#

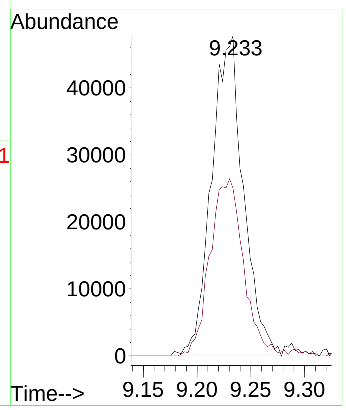


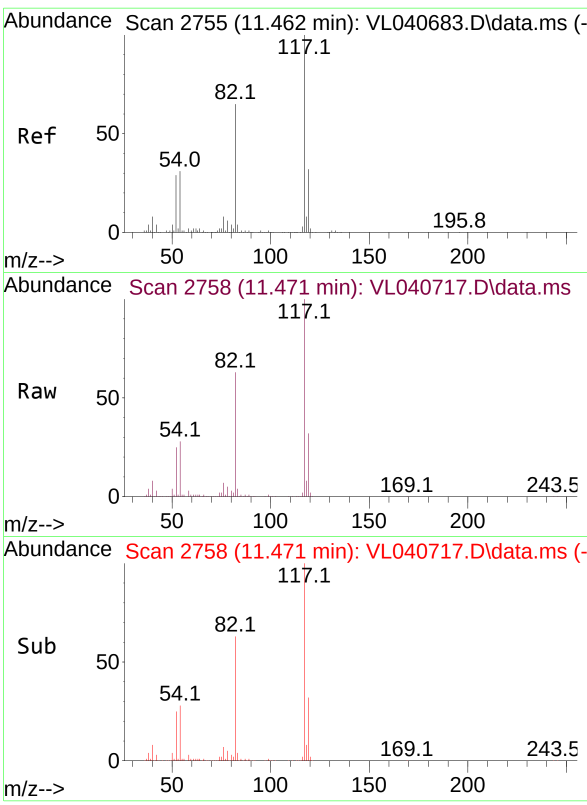



```
#53
Toluene
Concen:    0.356 ppbv
RT:   9.233 min  Scan# 2
Delta R.T.  0.003 min
Lab File:   VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion: 91 Resp:   98675
Ion  Ratio  Lower  Upper
 91  100
 92   59.0   48.5   72.7
```

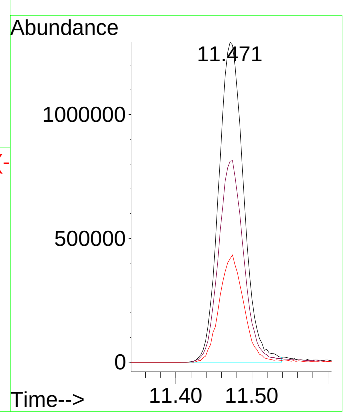
Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

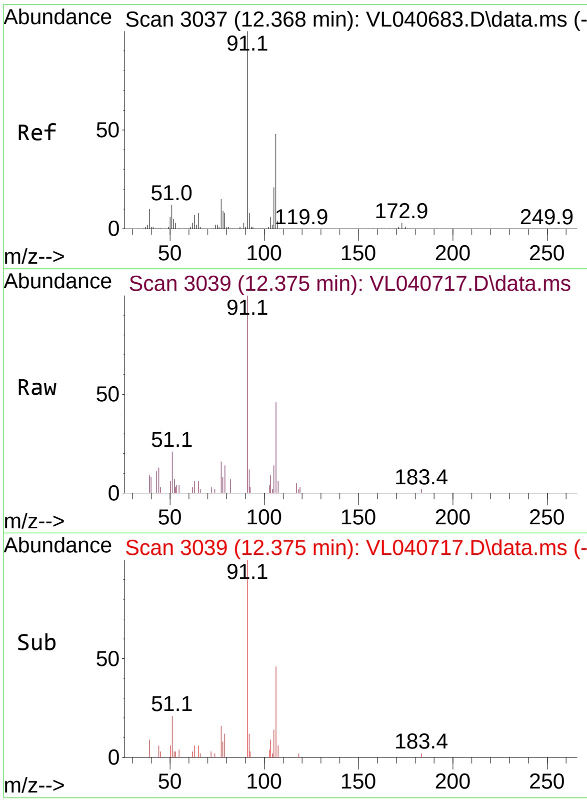





```
#55
Chlorobenzene-d5
Concen:   10.000 ppbv
RT:  11.471 min  Scan# 2758
Delta R.T.  -0.006 min
Lab File:   VL040717.D
Acq: 19 Sep 2023   3:06

Tgt Ion:117 Resp: 2962590
Ion  Ratio  Lower  Upper
117  100
 82   64.4   51.4   77.0
119   33.2   24.7   37.1
```



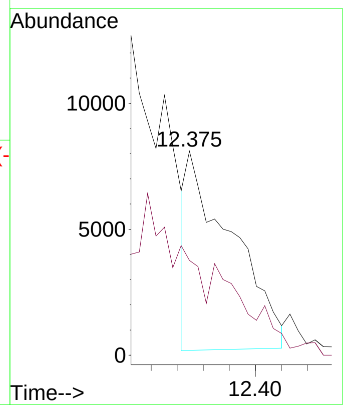


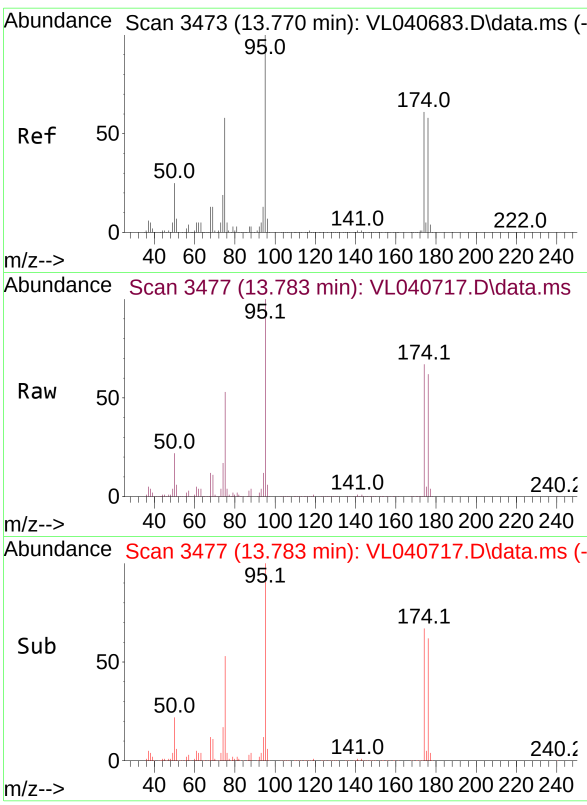
#59
m/p-Xylene
Concen: 0.030 ppbv
RT: 12.375 min Scan# 3039
Delta R.T. -0.006 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Instrument :
MSVOA_L
ClientSampleId :
M-SIDE

Tgt Ion: 91 Resp: 9584

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.8	52.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 9.334 ppbv
RT: 13.783 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VL040717.D
Acq: 19 Sep 2023 3:06

Tgt Ion: 95 Resp: 2136468

Ion	Ratio	Lower	Upper
95	100		
174	66.6	48.9	73.3
175	4.8	3.5	5.3