Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
Data File : VL041196.D
Acq On : 2 May 2024 15:13
Operator : SY/MD
Sample : VIBLK
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: May 03 03:40:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.195	49	956294	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2442977	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2210583	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1665395	9.979	ppbv	0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.800%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	2.681	51	6043	0.042	ppbv	92
4) Chloromethane	2.816	50	2538	0.045	ppbv	97
7) Chloroethane	3.201	64	668	0.033	ppbv	91
9) Propene	2.697	41	3366	0.059	ppbv #	47
18) 1,1-Dichloroethene	3.880	96	1710	0.039	ppbv #	61
20) Methylene Chloride	3.931	84	7719	0.197	ppbv	85
22) trans-1,2-Dichloroethene	4.455	96	1686	0.037	ppbv #	28
39) 1,2-Dichloropropane	6.658	63	620575	7.855	ppbv #	24

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

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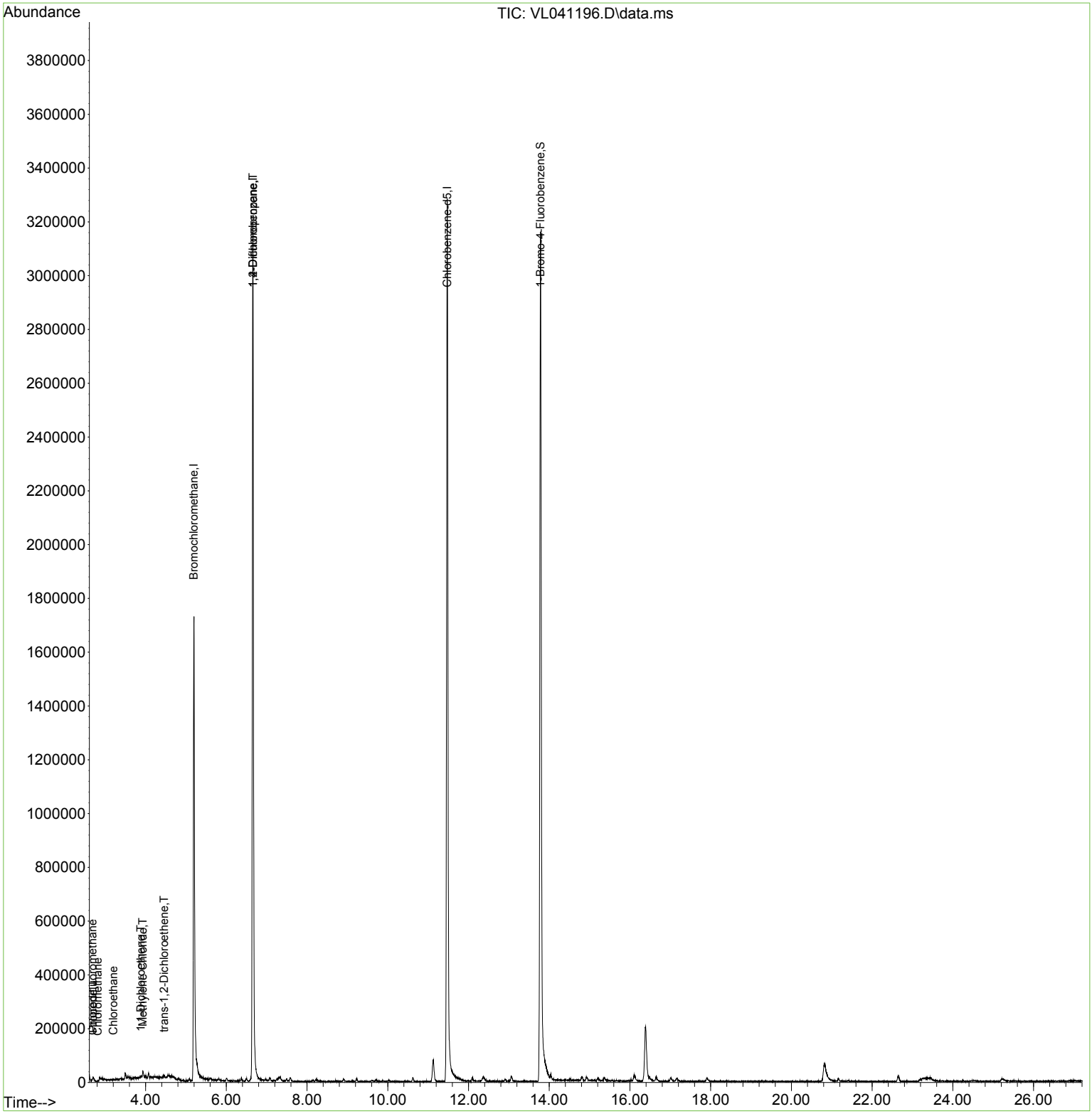
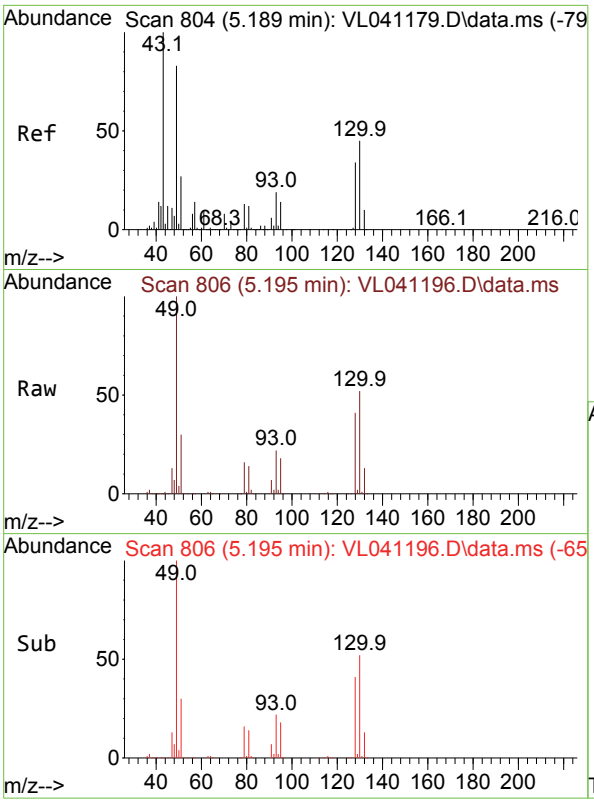


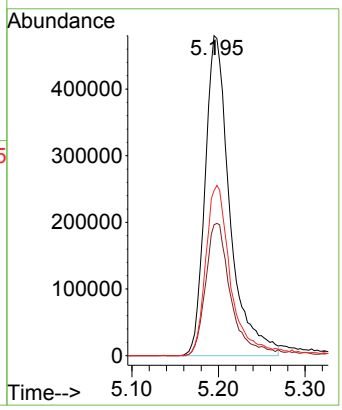


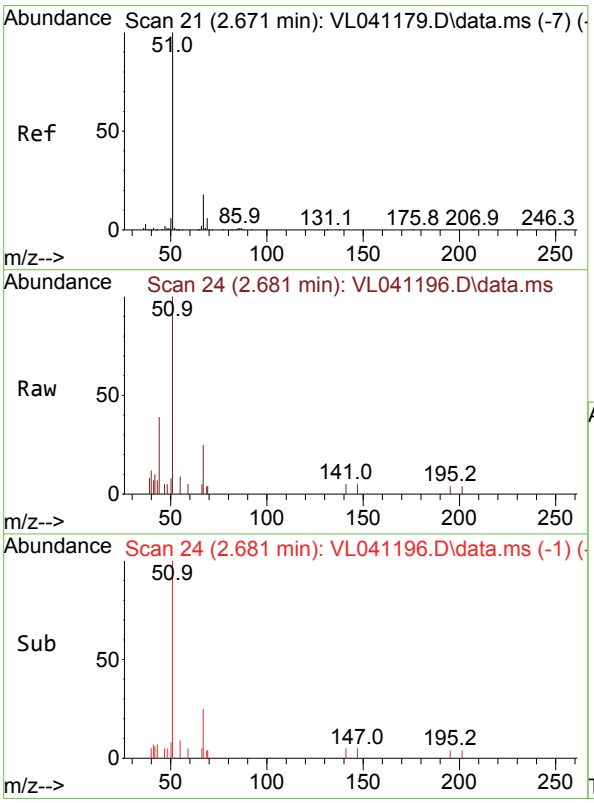
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 8
Delta R.T. 0.003 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 49 Resp: 956294

Ion	Ratio	Lower	Upper
49	100		
128	43.7	21.5	64.5
130	57.2	27.2	81.6

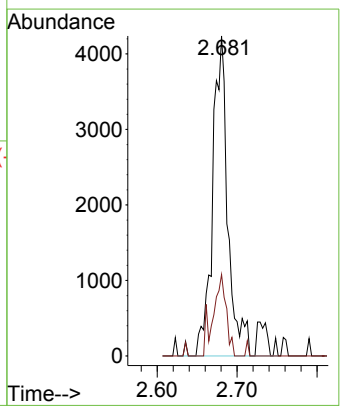


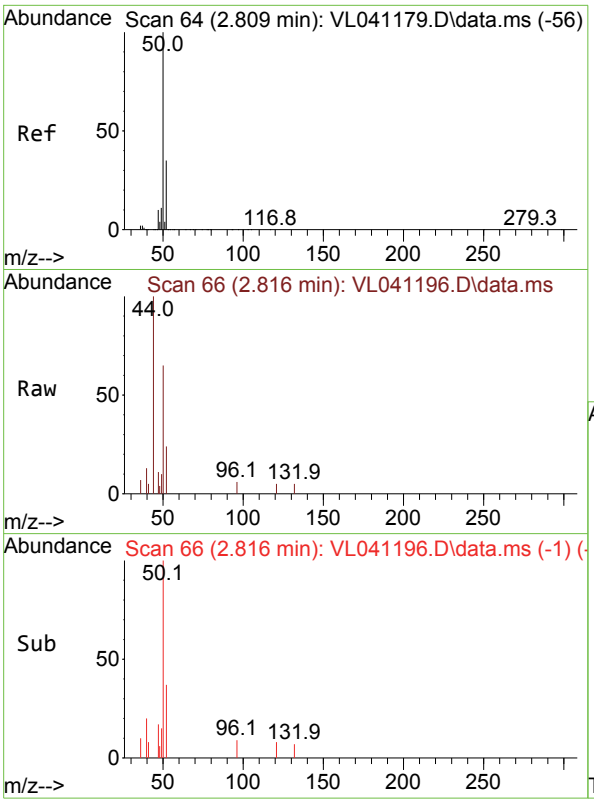


#3
Chlorodifluoromethane
Concen: 0.042 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 51 Resp: 6043

Ion	Ratio	Lower	Upper
51	100		
67	20.9	14.0	21.0



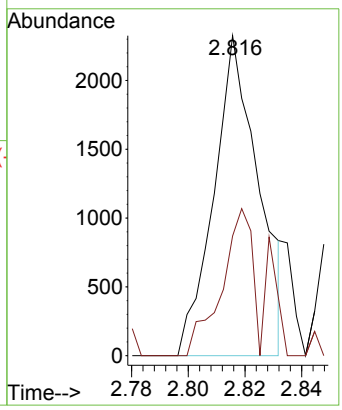


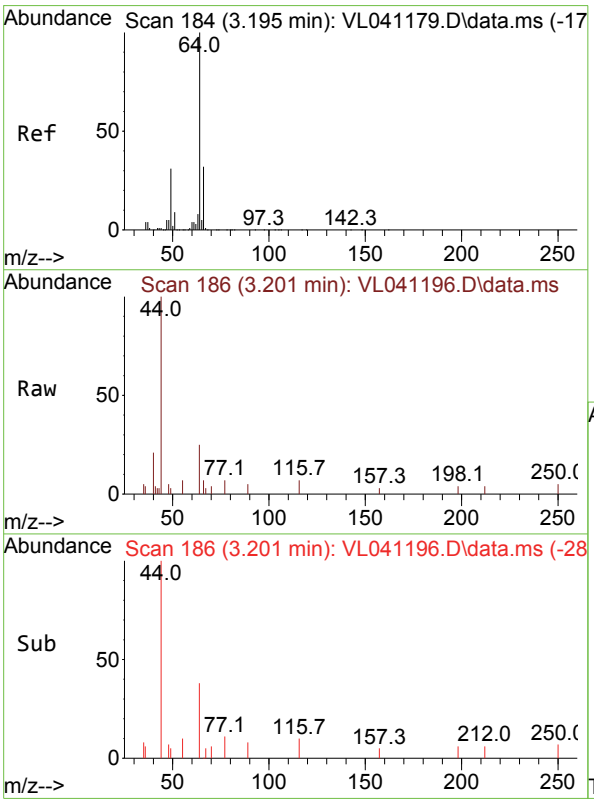
#4
Chloromethane
Concen: 0.045 ppbv
RT: 2.816 min Scan# 6
Delta R.T. 0.003 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 50 Resp: 2538

Ion	Ratio	Lower	Upper
50	100		
52	37.4	28.3	42.5

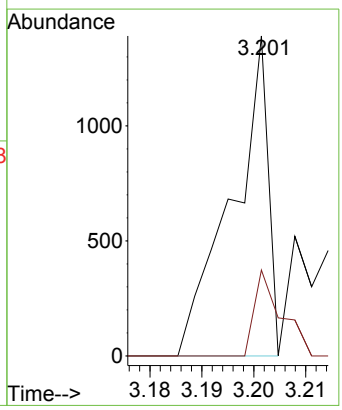


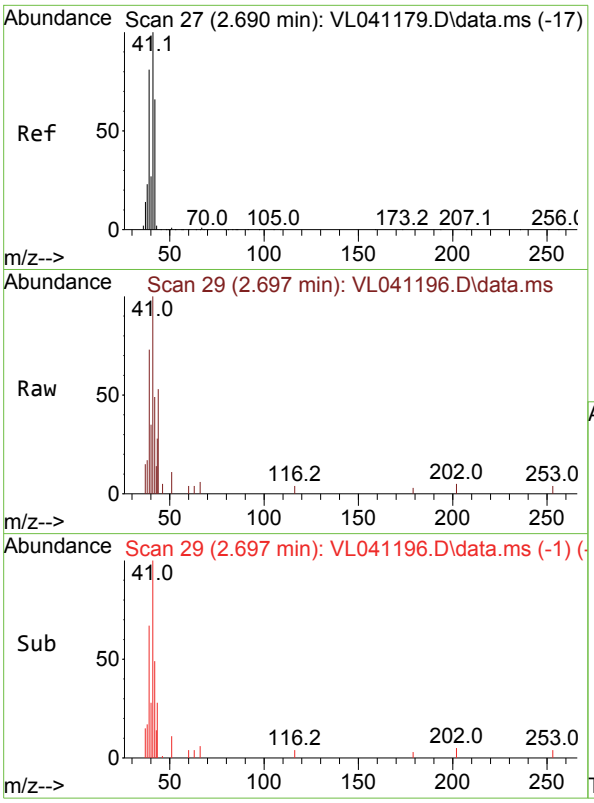


#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.201 min Scan# 186
Delta R.T. 0.006 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 64 Resp: 668

Ion	Ratio	Lower	Upper
64	100		
66	26.8	25.4	38.2



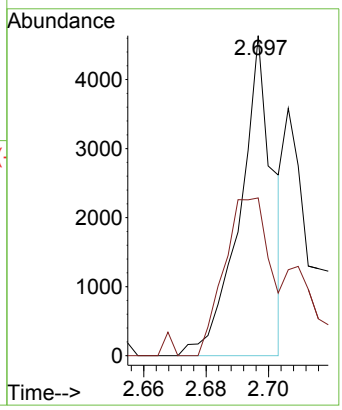


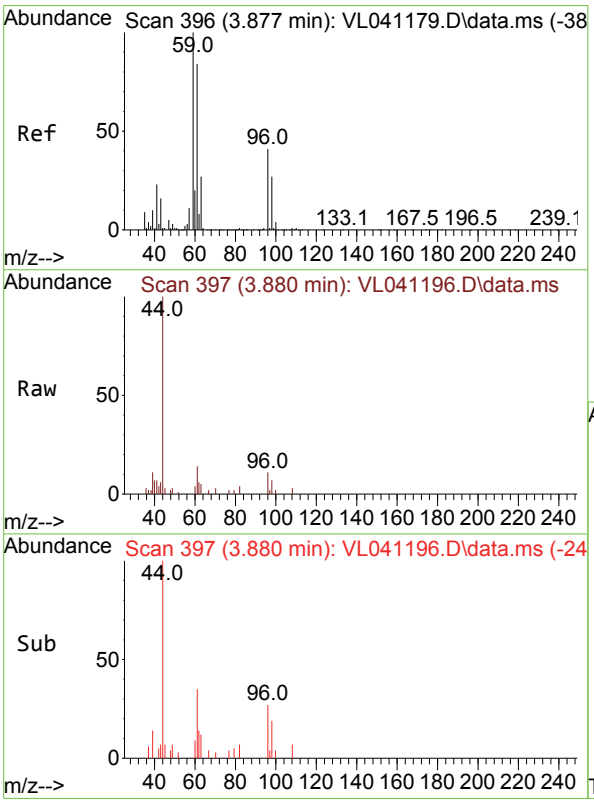
#9
Propene
Concen: 0.059 ppbv
RT: 2.697 min Scan# 2
Delta R.T. 0.003 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 41 Resp: 3366

Ion	Ratio	Lower	Upper
41	100		
42	111.9	55.3	82.9#

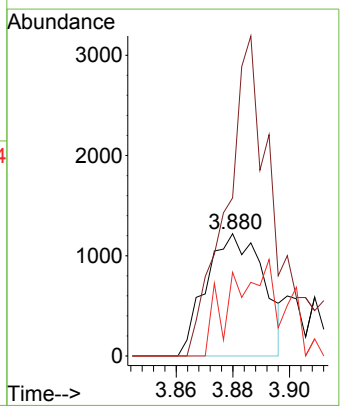


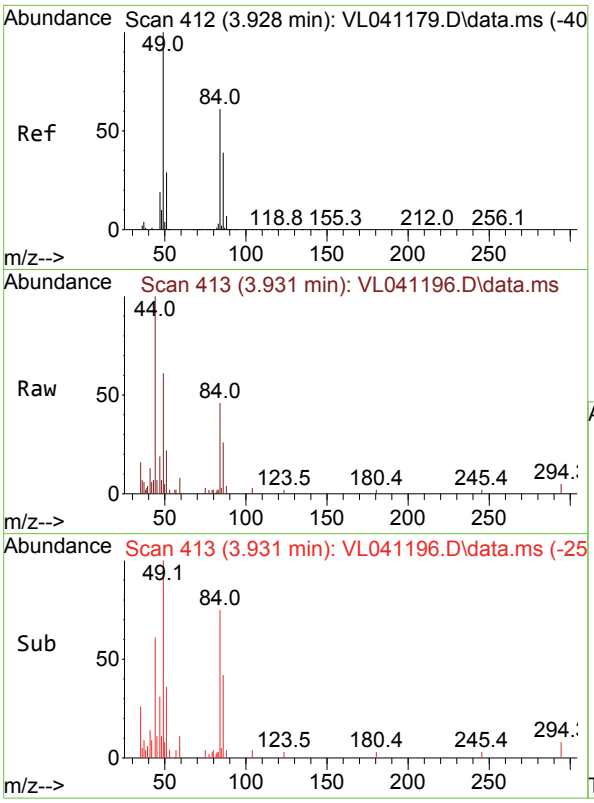


#18
1,1-Dichloroethene
Concen: 0.039 ppbv
RT: 3.880 min Scan# 397
Delta R.T. 0.003 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 96 Resp: 1710

Ion	Ratio	Lower	Upper
96	100		
61	129.3	164.4	246.6#
98	68.4	51.8	77.8



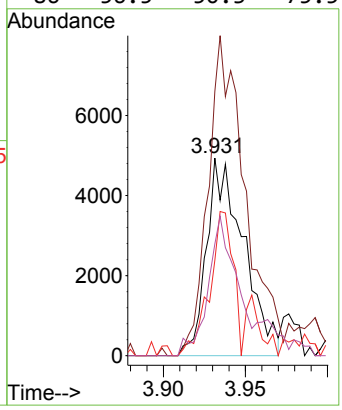


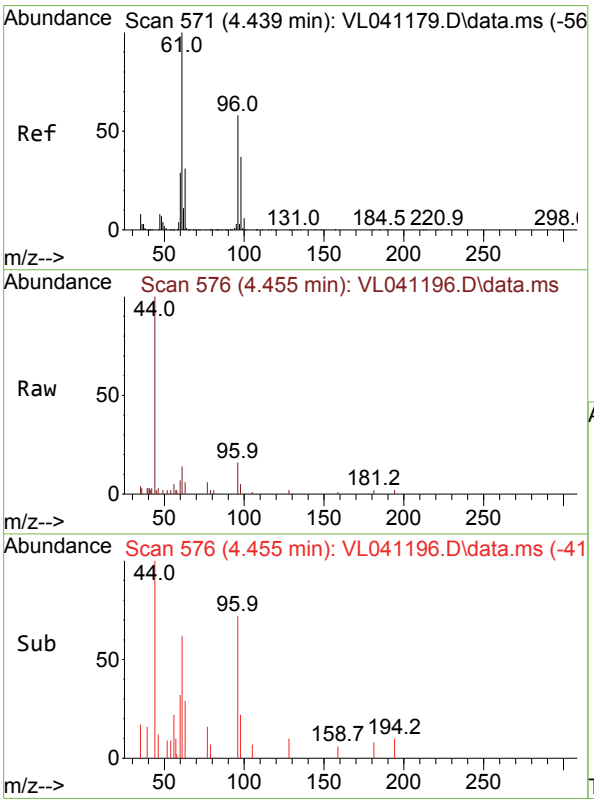
#20
Methylene Chloride
Concen: 0.197 ppbv
RT: 3.931 min Scan# 4
Delta R.T. 0.000 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 7719

Ion	Ratio	Lower	Upper
84	100		
49	133.6	130.4	195.6
51	48.3	38.0	57.0
86	56.5	50.3	75.5

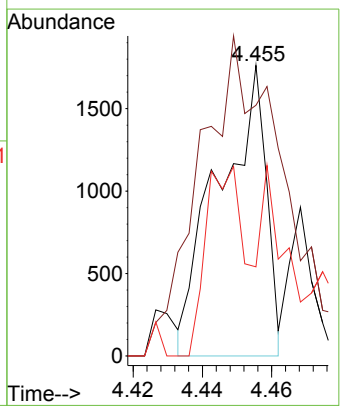


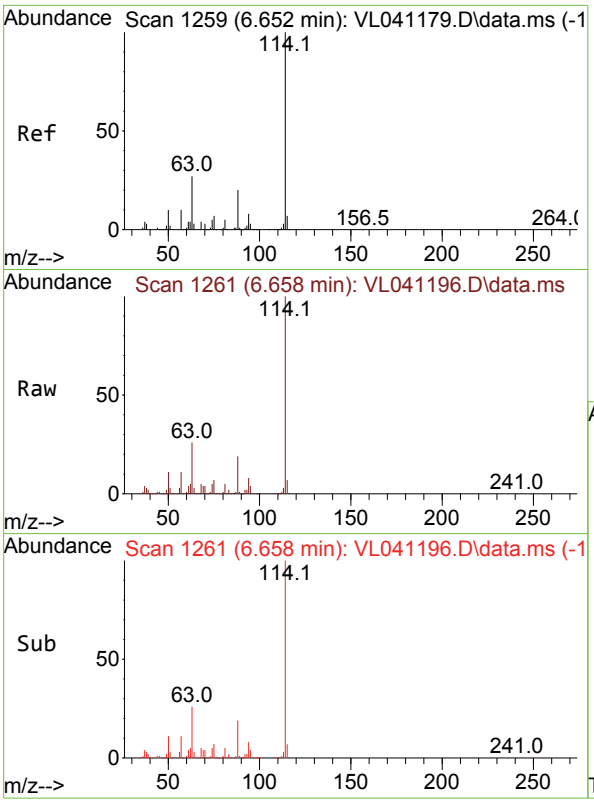


#22
trans-1,2-Dichloroethene
Concen: 0.037 ppbv
RT: 4.455 min Scan# 576
Delta R.T. 0.013 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 96 Resp: 1686

Ion	Ratio	Lower	Upper
96	100		
61	55.4	137.6	206.4#
98	33.6	50.6	76.0#



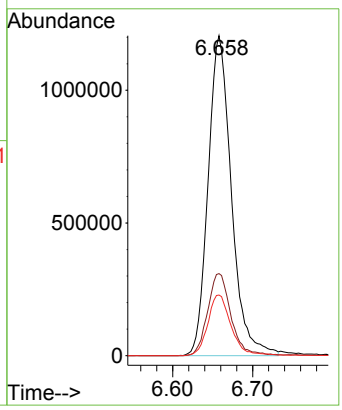


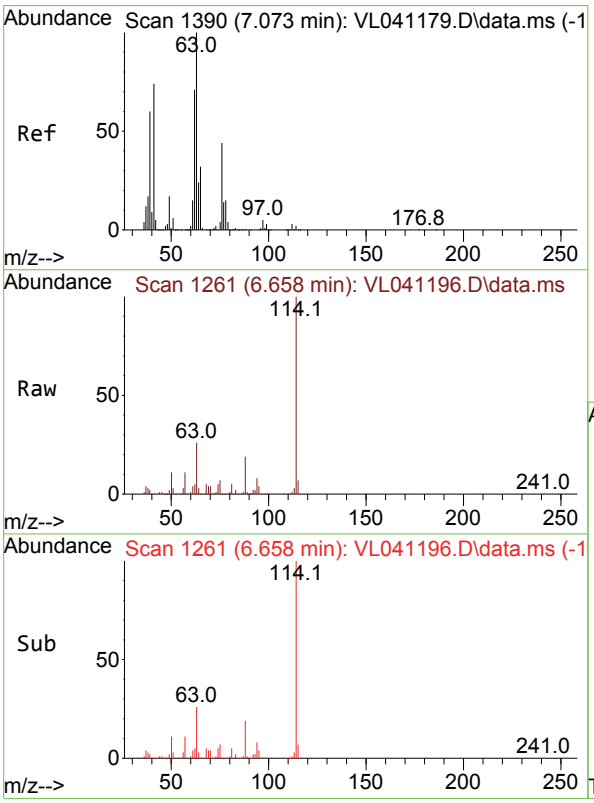
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1
Delta R.T. 0.006 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 2442977

Ion	Ratio	Lower	Upper
114	100		
63	25.9	21.8	32.6
88	19.1	15.2	22.8

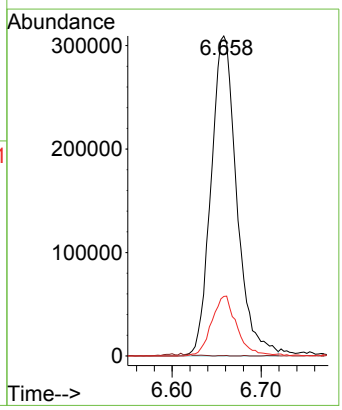


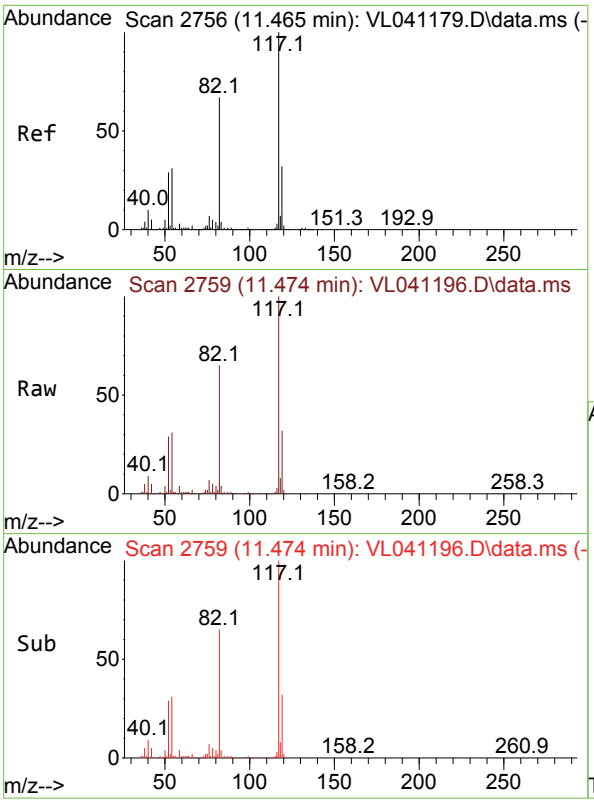


#39
1,2-Dichloropropane
Concen: 7.855 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.415 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 63 Resp: 620575

Ion	Ratio	Lower	Upper
63	100		
41	0.0	59.4	89.0#
62	18.6	56.8	85.2#



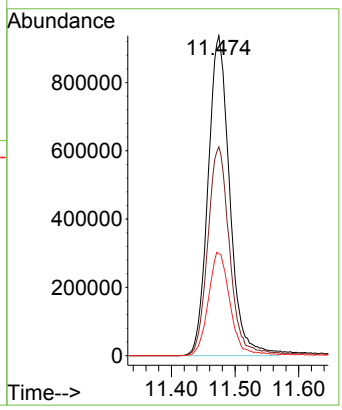


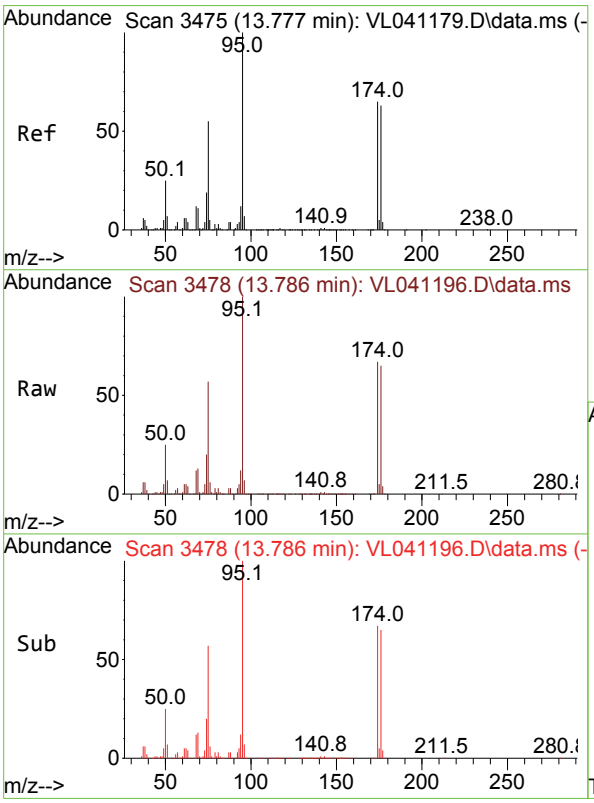
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2
Delta R.T. 0.010 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2210583

Ion	Ratio	Lower	Upper
117	100		
82	67.3	53.6	80.4
119	33.0	27.2	40.8





#68
1-Bromo-4-Fluorobenzene
Concen: 9.979 ppbv
RT: 13.786 min Scan# 3478
Delta R.T. 0.013 min
Lab File: VL041196.D
Acq: 2 May 2024 15:13

Tgt Ion: 95 Resp: 1665395

Ion	Ratio	Lower	Upper
95	100		
174	68.9	53.6	80.4
175	5.1	4.2	6.4