Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\
Data File : VL035404.D
Acq On : 13 Aug 2020 17:05
Operator : SY/AP
Sample : L3510-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

Quant Time: Aug 15 15:04:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 1
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1485171	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3289678	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3127535	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2762472	10.94	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 109.40%			
Target Compounds						Qvalue
6) Bromomethane	3.47	94	498436	9.425	ppbv	98
18) 1,1-Dichloroethene	4.29	96	478347	7.073	ppbv	99
20) Methylene Chloride	4.34	84	517927	7.332	ppbv	98
29) Chloroform	5.75	83	1349382	5.597	ppbv	99
38) Trichloroethene	7.84	130	945805	7.651	ppbv	95
42) Bromodichloromethane	7.79	83	2471544	10.020	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	849107	6.702	ppbv	99
48) Dibromochloromethane	10.31	129	1332698	6.581	ppbv	100
58) Ethyl Benzene	12.72	91	2561242	5.181	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	59645m	0.124	ppbv	
76) 1,4-Dichlorobenzene	17.15	146	2172575	8.067	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	2108899	7.978	ppbv	99

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

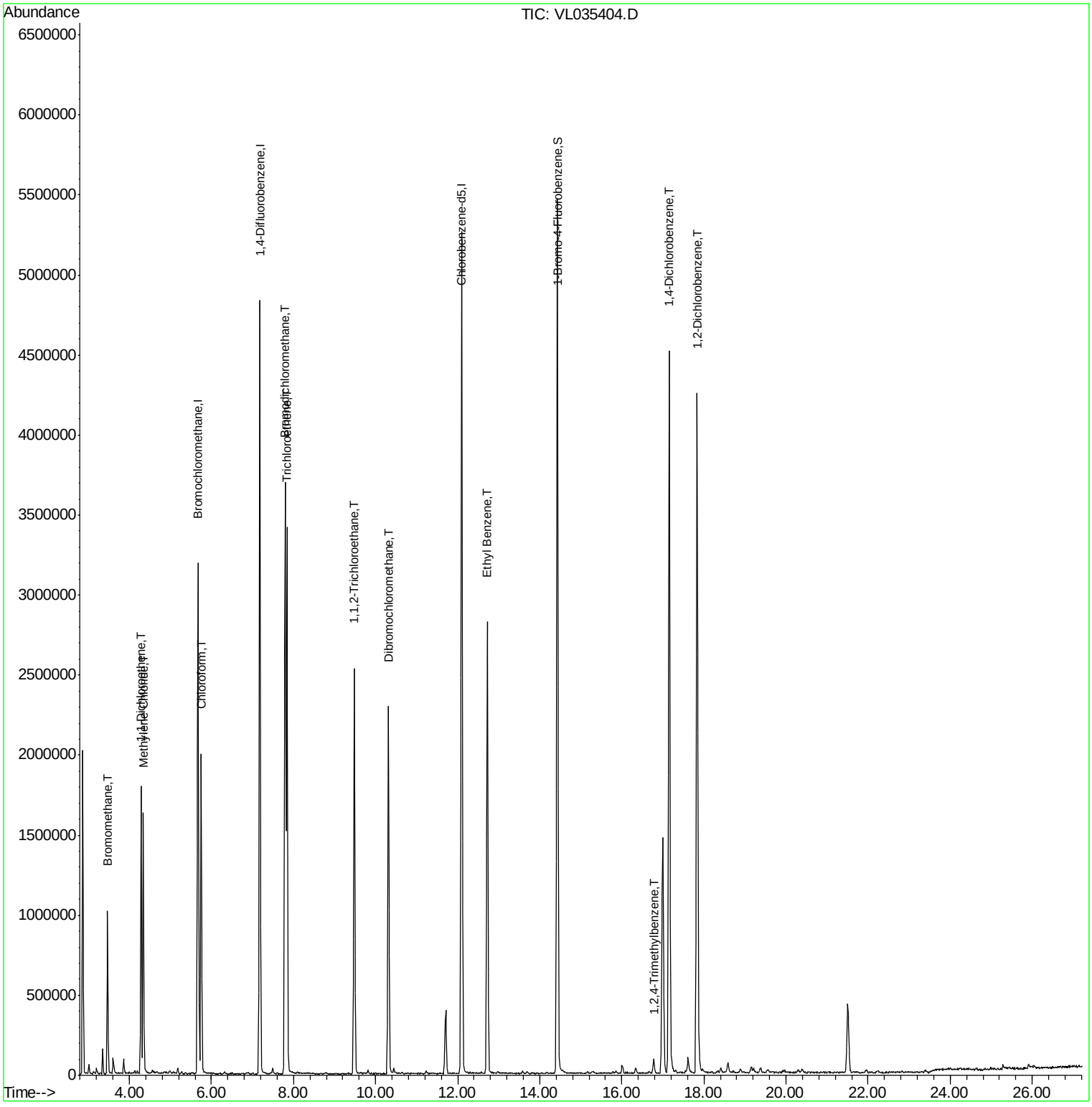
Quantitation Report (QT Reviewed)

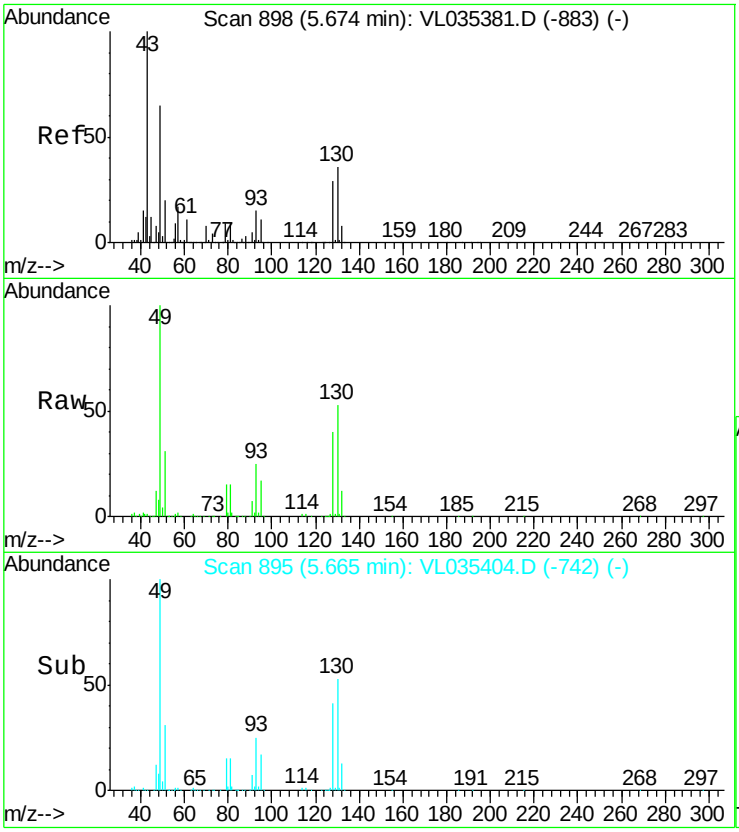
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\
Data File : VL035404.D
Acq On : 13 Aug 2020 17:05
Operator : SY/AP
Sample : L3510-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Aug 15 15:04:35 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

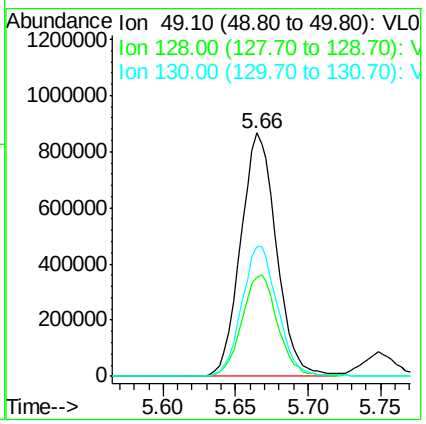




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

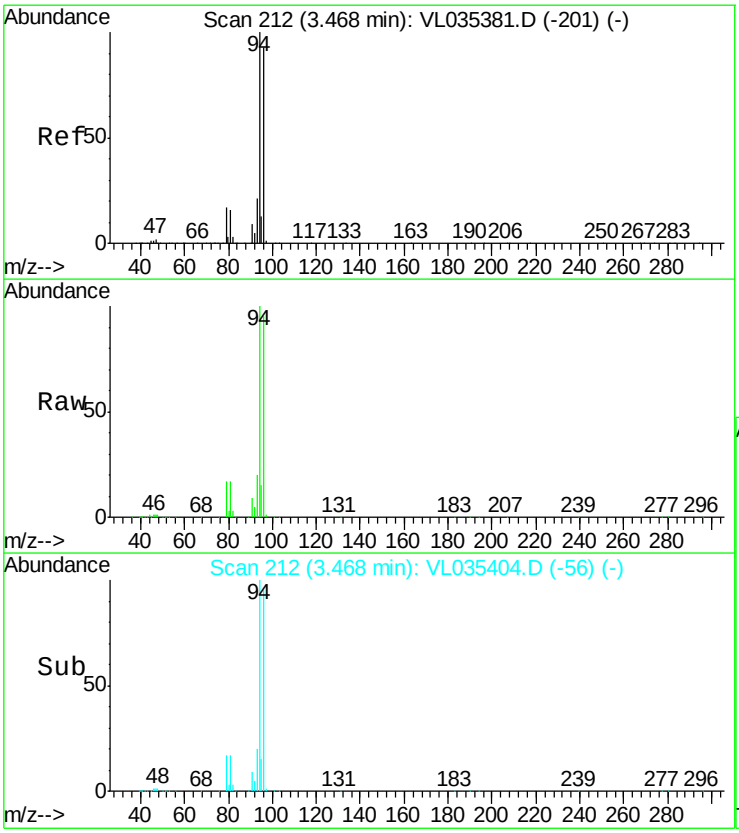
Tgt Ion: 49 Resp: 1485171

Ion	Ratio	Lower	Upper
49	100		
128	41.9	21.8	65.3
130	53.8	27.9	83.6



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

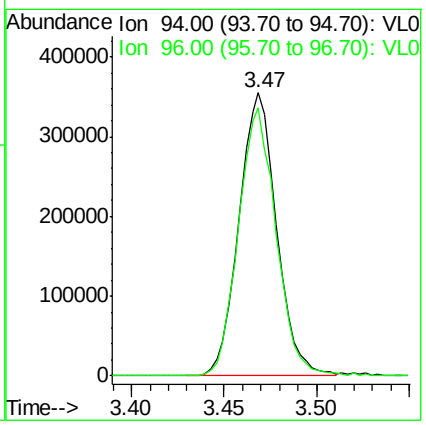
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

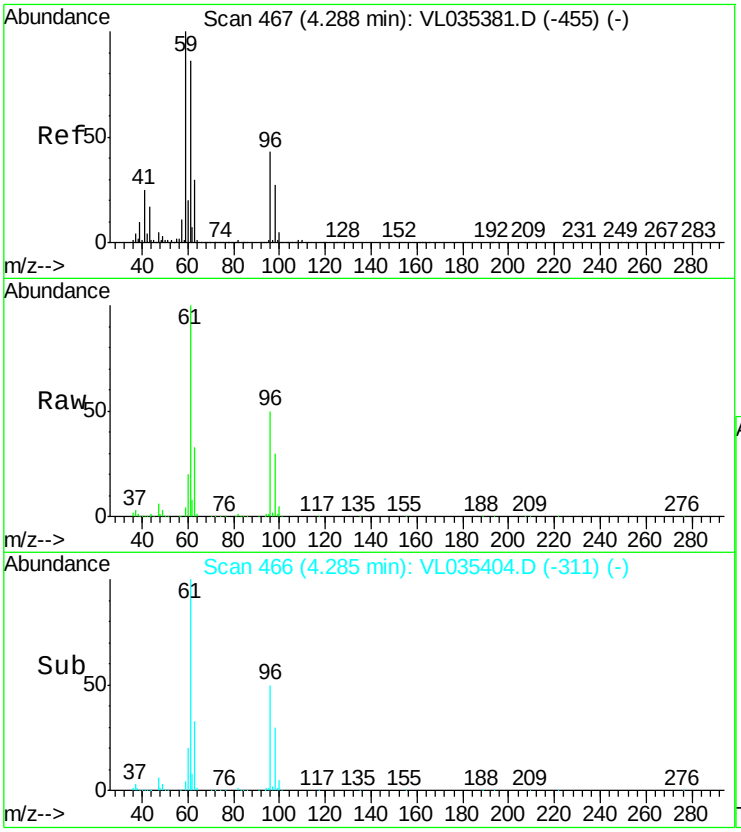


#6
Bromomethane
Concen: 9.425 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion: 94 Resp: 498436

Ion	Ratio	Lower	Upper
94	100		
96	94.6	74.4	111.6

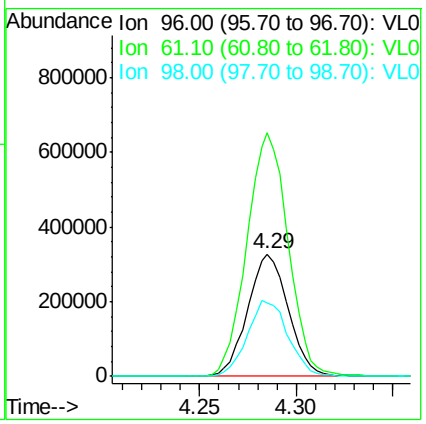




#18
1,1-Dichloroethene
Concen: 7.073 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

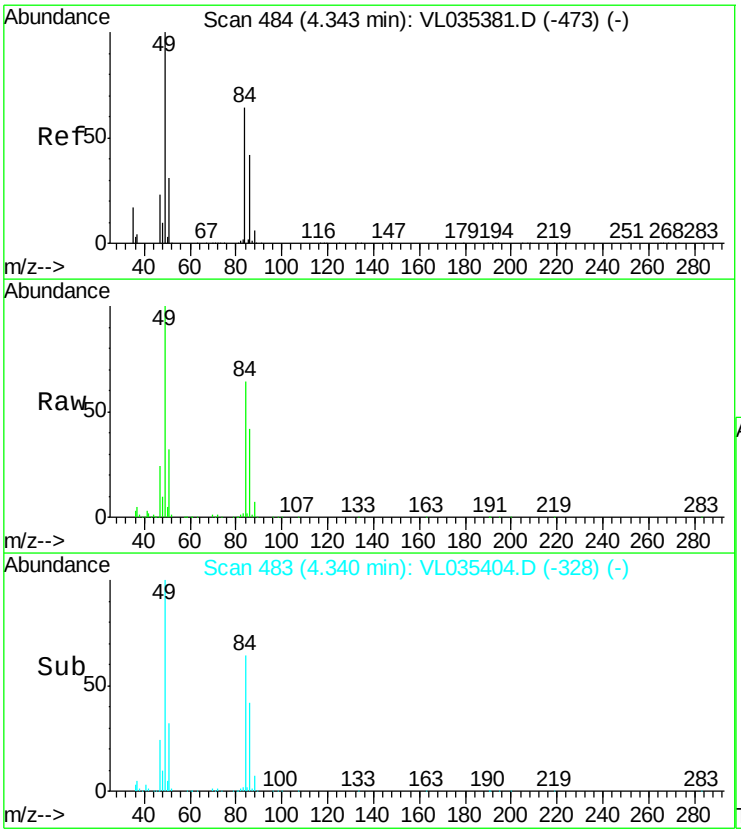
Tgt Ion: 96 Resp: 478347

Ion	Ratio	Lower	Upper
96	100		
61	198.7	159.0	238.4
98	60.3	50.3	75.5



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

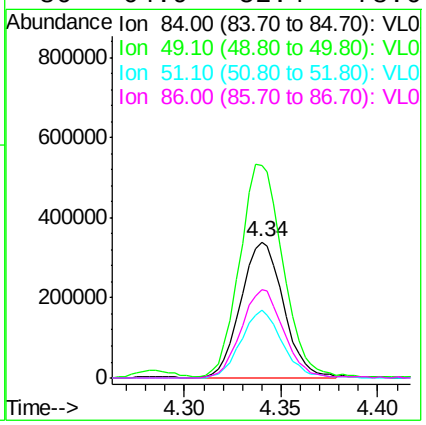
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

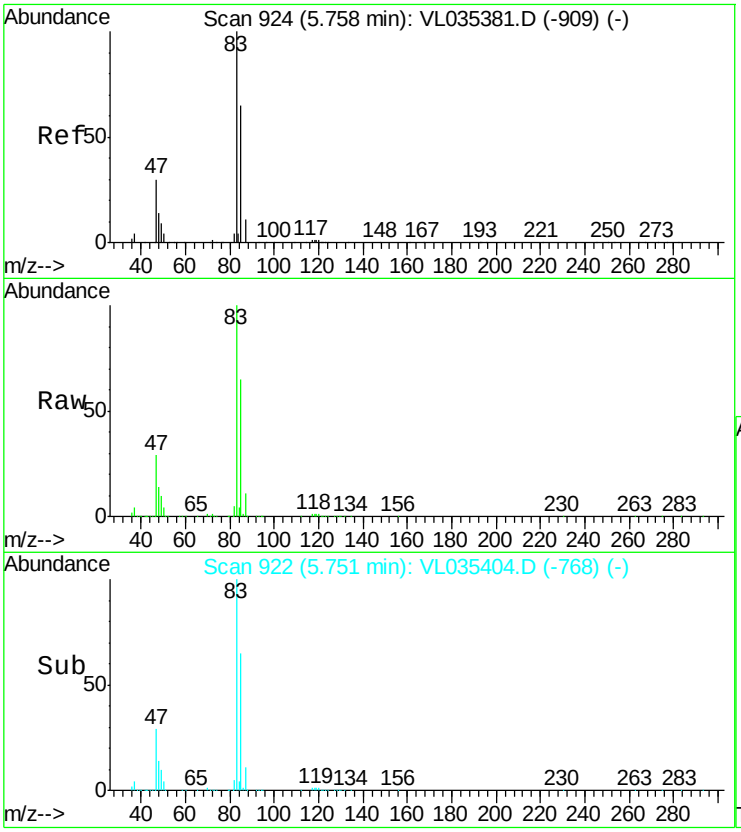


#20
Methylene Chloride
Concen: 7.332 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion: 84 Resp: 517927

Ion	Ratio	Lower	Upper
84	100		
49	154.5	125.7	188.5
51	50.1	38.5	57.7
86	64.9	52.4	78.6

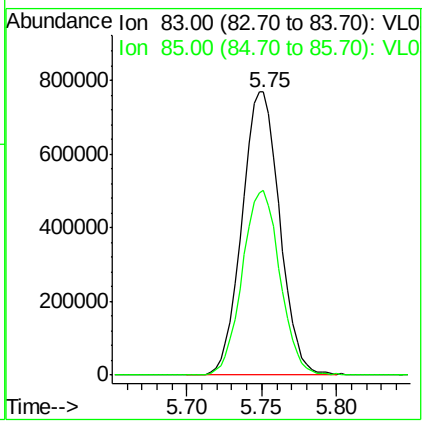




#29
Chloroform
Concen: 5.597 ppbv
RT: 5.75 min Scan# 922
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

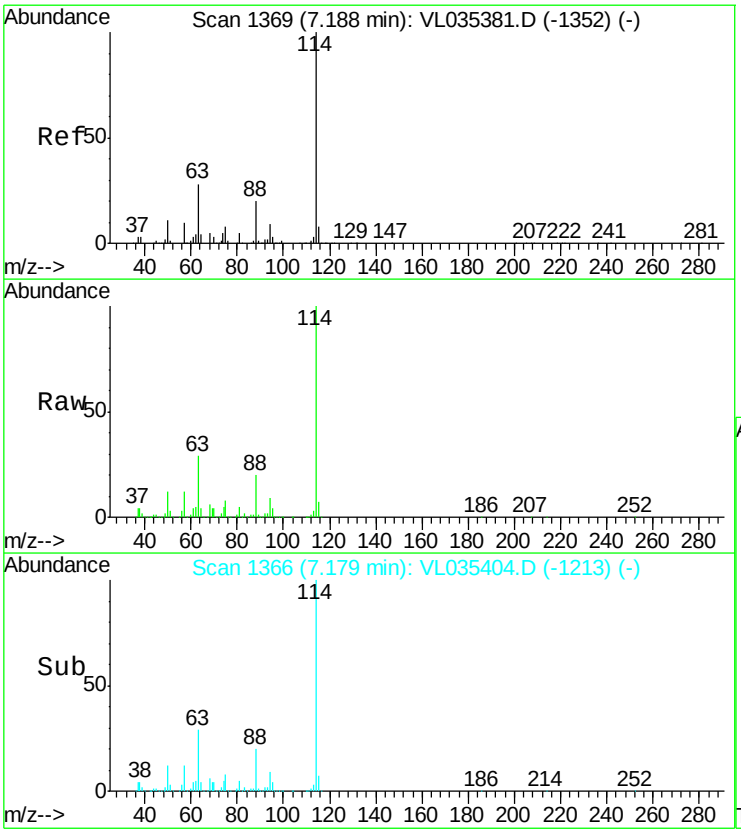
Tgt Ion: 83 Resp: 1349382

Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.7	77.5



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

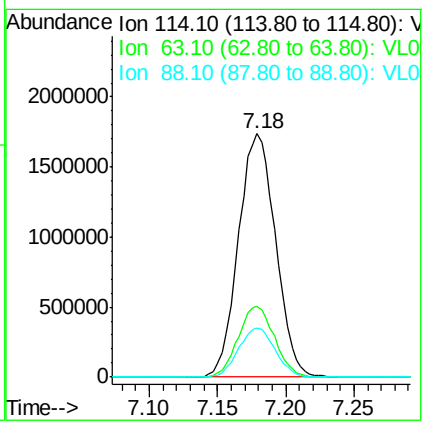
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

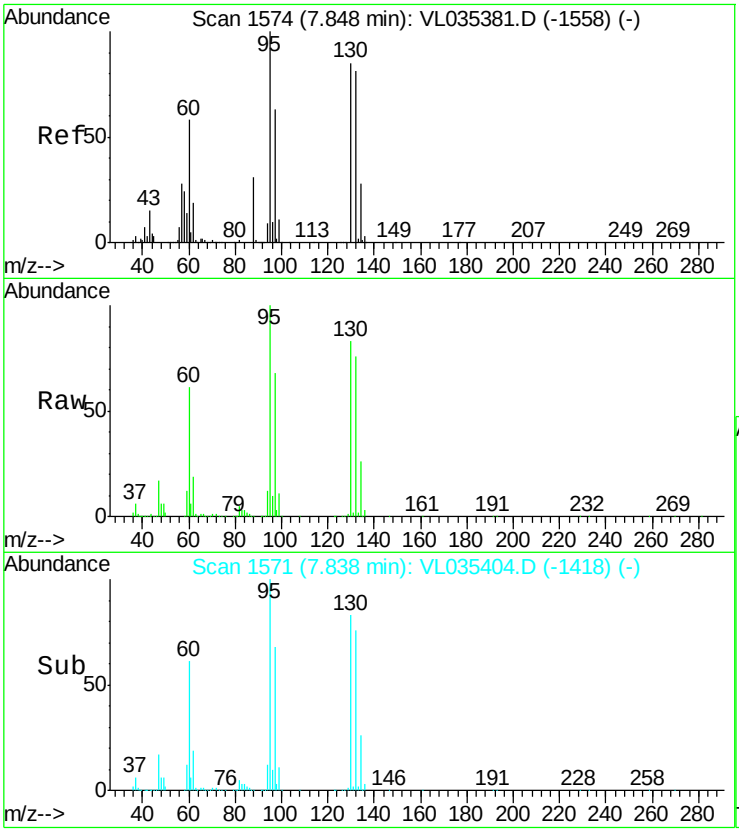


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion:114 Resp: 3289678

Ion	Ratio	Lower	Upper
114	100		
63	28.7	21.5	32.3
88	19.9	15.6	23.4

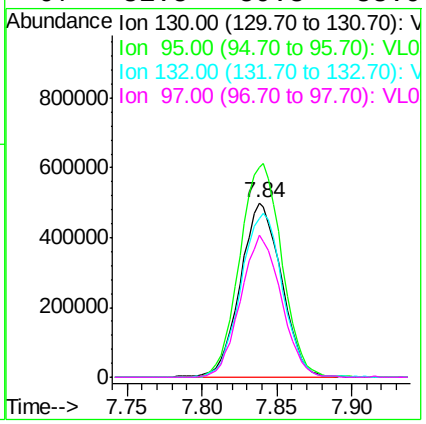




#38
Trichloroethene
Concen: 7.651 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

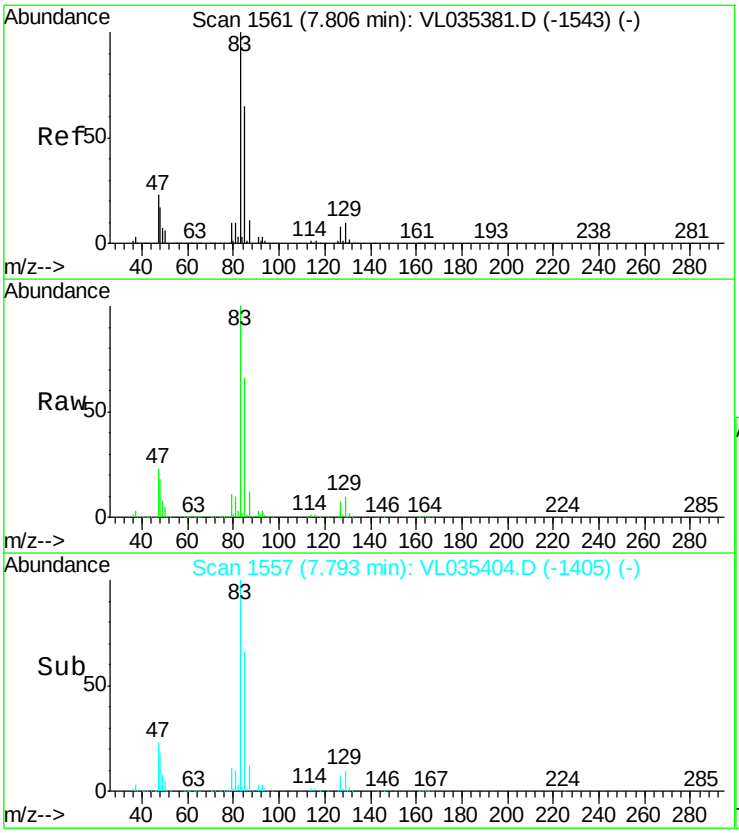
Tgt Ion:130 Resp: 945805

Ion	Ratio	Lower	Upper
130	100		
95	120.6	94.2	141.4
132	91.4	76.6	114.8
97	81.5	59.3	88.9



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

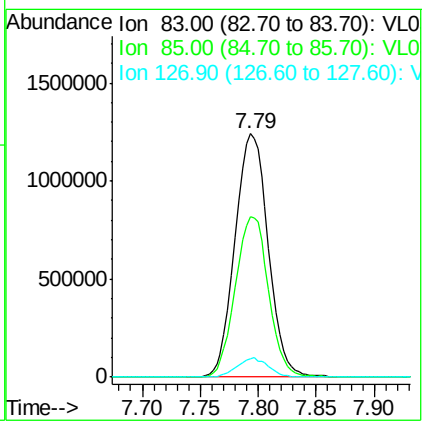
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

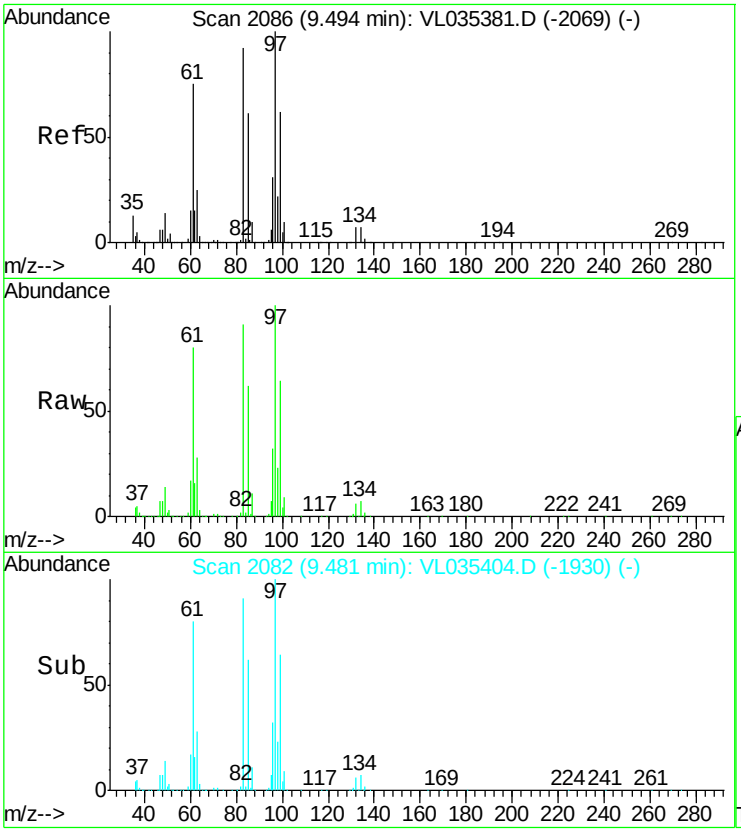


#42
Bromodichloromethane
Concen: 10.020 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion: 83 Resp: 2471544

Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.2	78.4
127	7.3	6.3	9.5

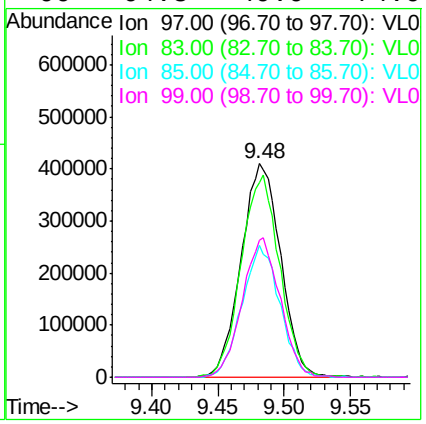




#47
1,1,2-Trichloroethane
Concen: 6.702 ppbv
RT: 9.48 min Scan# 2082
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

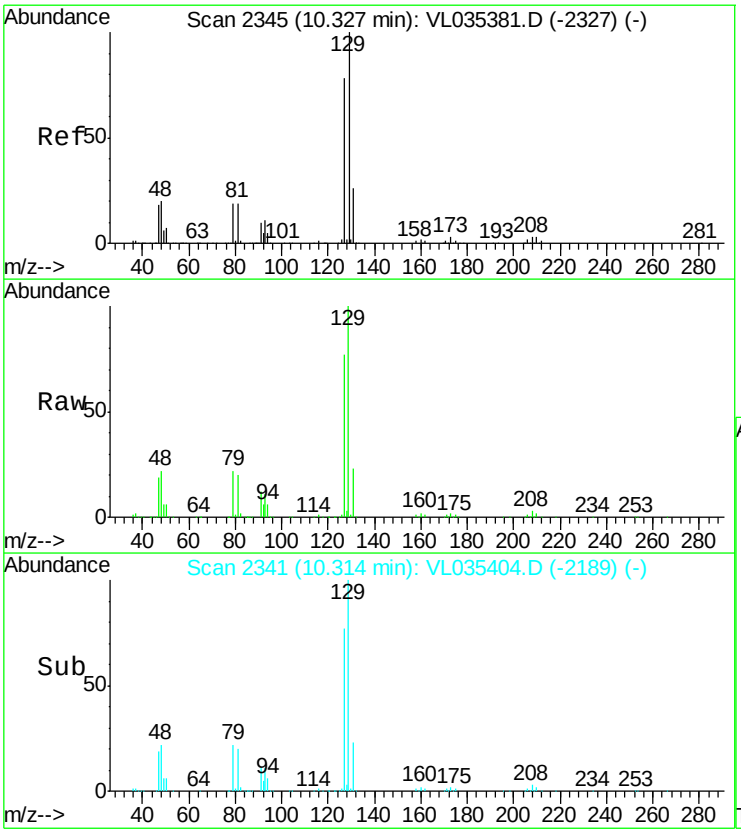
Tgt Ion: 97 Resp: 849107

Ion	Ratio	Lower	Upper
97	100		
83	91.4	73.9	110.9
85	61.8	49.0	73.6
99	64.3	49.9	74.9



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

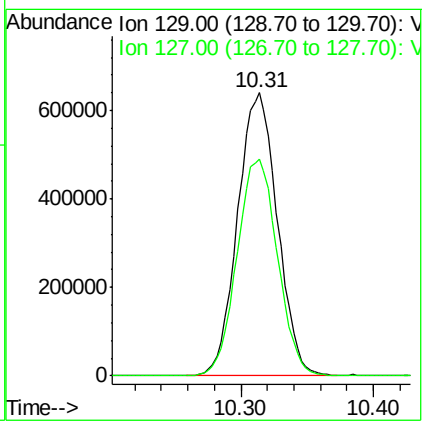
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

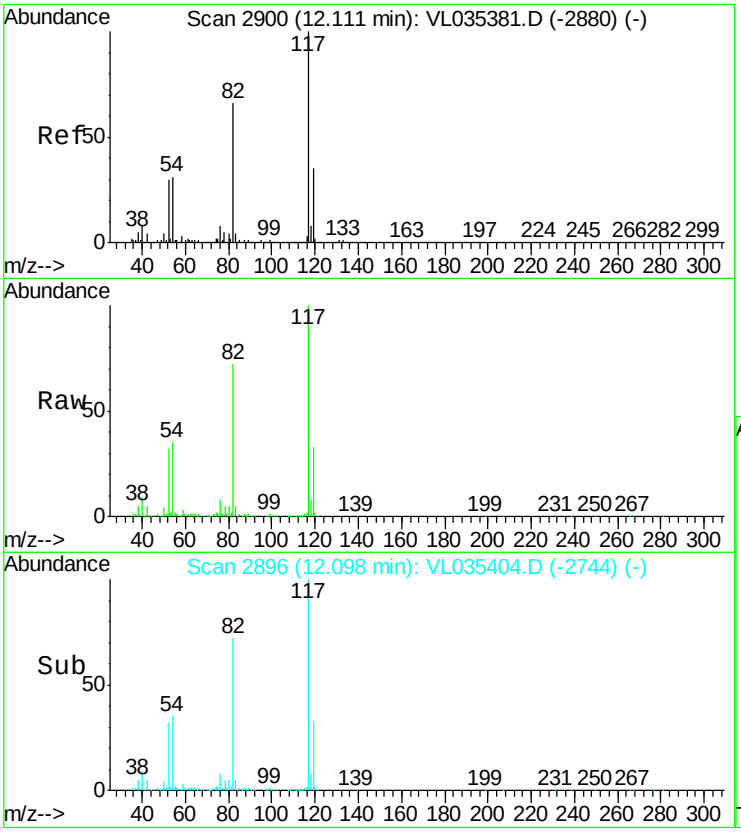


#48
Dibromochloromethane
Concen: 6.581 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion:129 Resp: 1332698

Ion	Ratio	Lower	Upper
129	100		
127	78.2	39.3	117.8

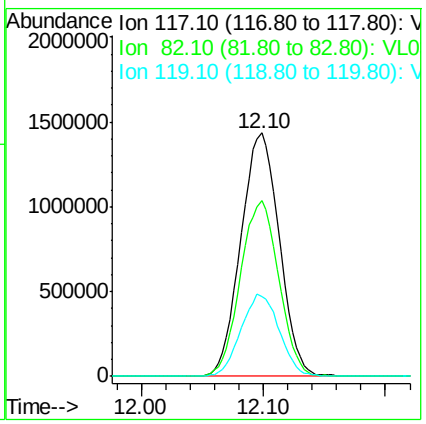




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

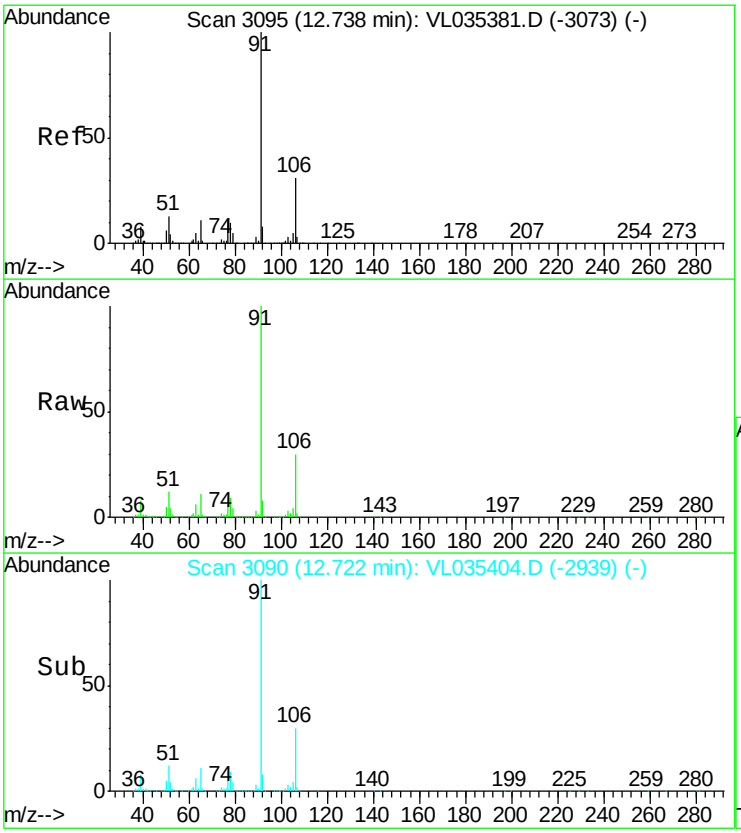
Tgt Ion:117 Resp: 3127535

Ion	Ratio	Lower	Upper
117	100		
82	72.2	53.0	79.6
119	33.6	25.7	38.5



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

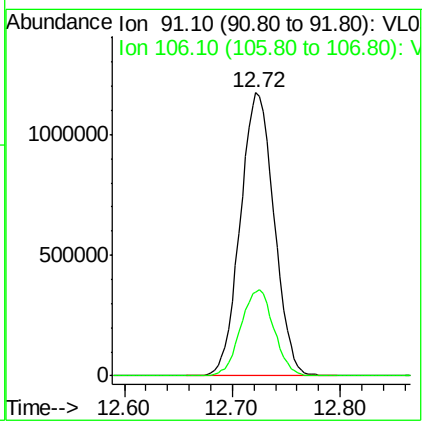
Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

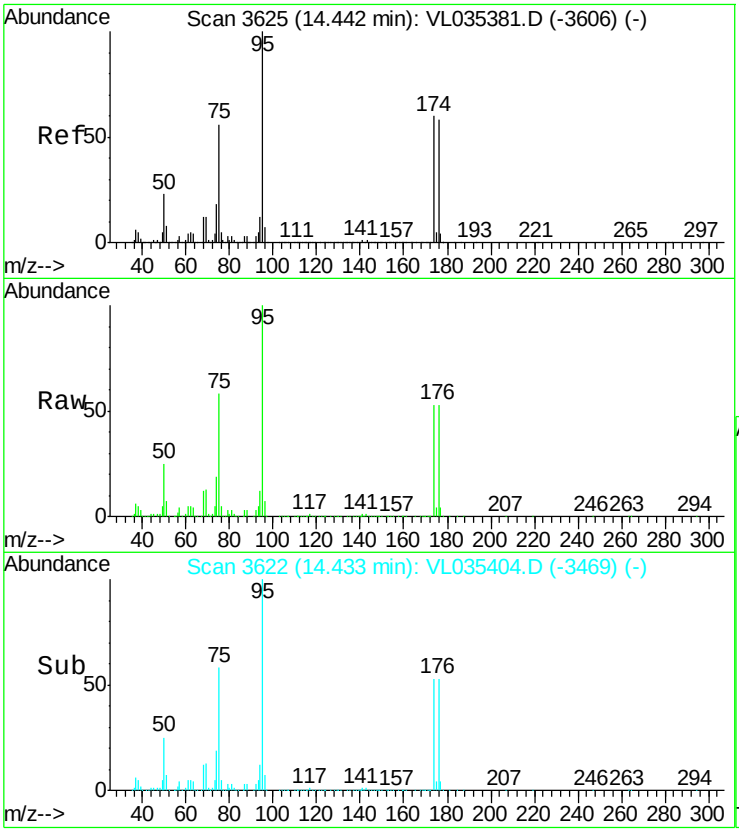


#58
Ethyl Benzene
Concen: 5.181 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion: 91 Resp: 2561242

Ion	Ratio	Lower	Upper
91	100		
106	29.6	25.1	37.7





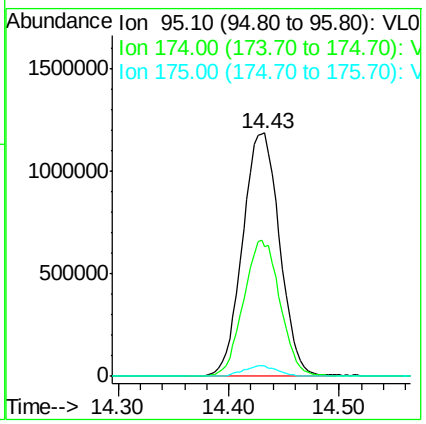
#68
1-Bromo-4-Fluorobenzene
Concen: 10.940 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

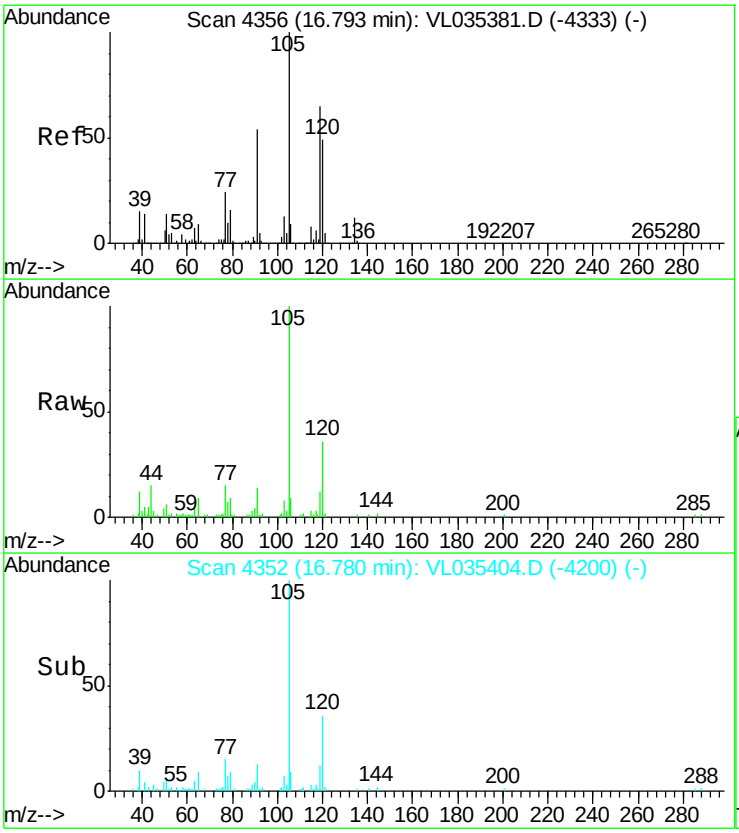
Tgt Ion: 95 Resp: 2762472

Ion	Ratio	Lower	Upper
95	100		
174	55.5	48.2	72.2
175	4.1	3.7	5.5

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM

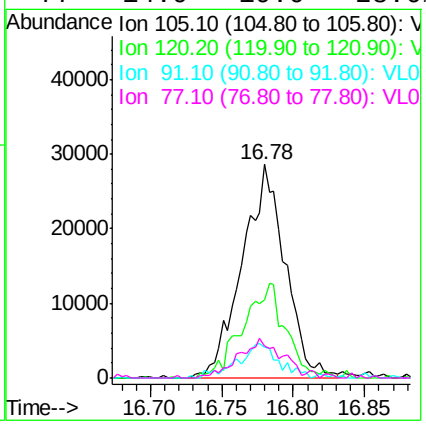


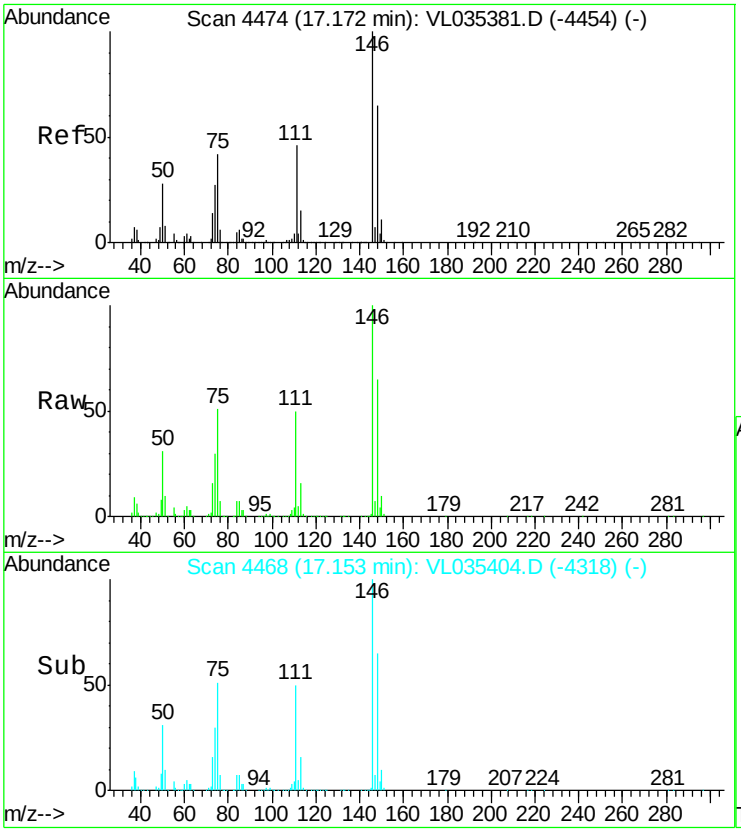


#74
1,2,4-Trimethylbenzene
Concen: 0.124 ppbv m
RT: 16.78 min Scan# 4352
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion:105 Resp: 59645

Ion	Ratio	Lower	Upper
105	100		
120	36.4	39.1	58.7#
91	14.3	43.7	65.5#
77	14.9	19.0	28.6#

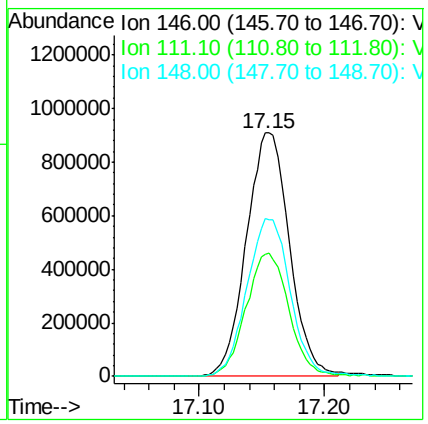




#76
1,4-Dichlorobenzene
Concen: 8.067 ppbv
RT: 17.15 min Scan# 4468
Delta R.T. -0.02 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

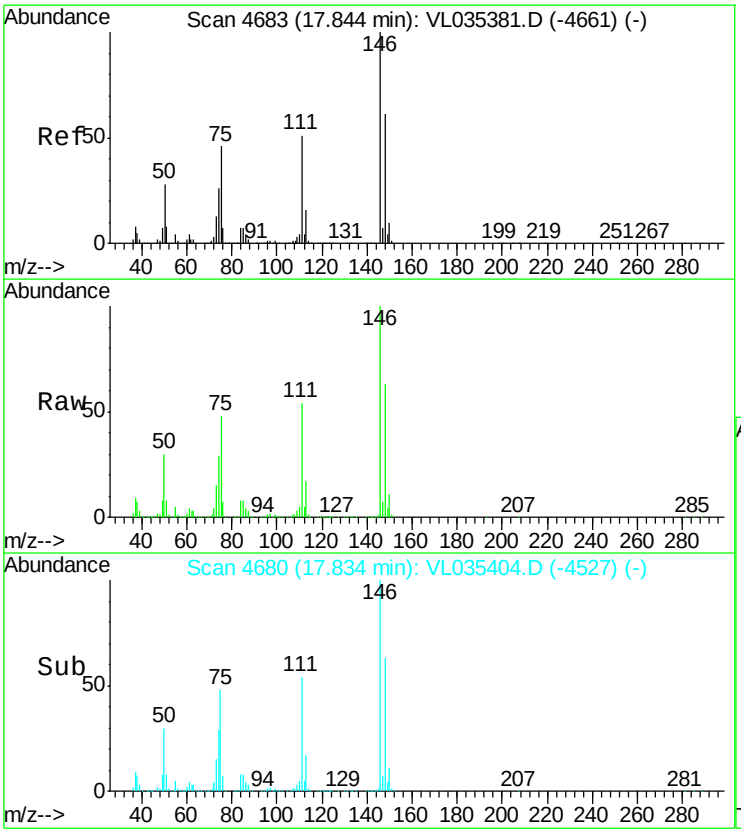
Tgt Ion:146 Resp: 2172575

Ion	Ratio	Lower	Upper
146	100		
111	50.8	24.0	72.0
148	65.5	32.5	97.5



Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Manual Integrations APPROVED
MMDadoda
8/17/2020 9:10:57 PM



#77
1,2-Dichlorobenzene
Concen: 7.978 ppbv
RT: 17.83 min Scan# 4680
Delta R.T. -0.01 min
Lab File: VL035404.D
Acq: 13 Aug 2020 17:05

Tgt Ion:146 Resp: 2108899

Ion	Ratio	Lower	Upper
146	100		
111	53.3	25.9	77.8
148	64.3	32.1	96.3