Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\

Quantitation Report (Not Reviewed)

Data File : VL035407.D
Acq On : 13 Aug 2020 19:02
Operator : SY/AP
Sample : L3510-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Quant Time: Aug 14 04:30:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
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	1502558	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3338283	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3310150	10.00	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3134378	11.73	ppbv	-0.01
Spiked Amount 10.000	Range 65 - 135		Recovery = 117.30%			
Target Compounds						Qvalue
6) Bromomethane	3.47	94	502790	9.397	ppbv	100
13) Ethanol	3.61	45	50715	1.709	ppbv	96
15) Acetone	3.85	43	149492	0.790	ppbv	97
17) tert-Butyl alcohol	4.29	59	38095	0.173	ppbv #	73
18) 1,1-Dichloroethene	4.29	96	469255	6.859	ppbv	99
20) Methylene Chloride	4.34	84	194688	2.724	ppbv	99
23) Vinyl Acetate	5.07	43	10504	0.035	ppbv #	82
25) Ethyl Acetate	5.68	43	43753	0.112	ppbv #	78
26) Hexane	5.69	57	114935	0.672	ppbv #	42
29) Chloroform	5.75	83	1336825	5.480	ppbv	100
38) Trichloroethene	7.84	130	931415	7.425	ppbv	94
39) 1,2-Dichloropropane	7.18	63	960923	7.581	ppbv #	26
42) Bromodichloromethane	7.79	83	2469136	9.864	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	839875	6.533	ppbv	98
48) Dibromochloromethane	10.31	129	1302993	6.341	ppbv	99
58) Ethyl Benzene	12.72	91	2524340	4.825	ppbv	96
59) m/p-Xylene	12.72	91	2524340	5.786	ppbv #	75
75) 1,3-Dichlorobenzene	17.16	146	2141345	7.716	ppbv	99
76) 1,4-Dichlorobenzene	17.16	146	2141345	7.512	ppbv	99
77) 1,2-Dichlorobenzene	17.83	146	2055311	7.346	ppbv	99
80) Naphthalene,2-methyl-	24.99	142	13969	0.047	ppbv	88

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

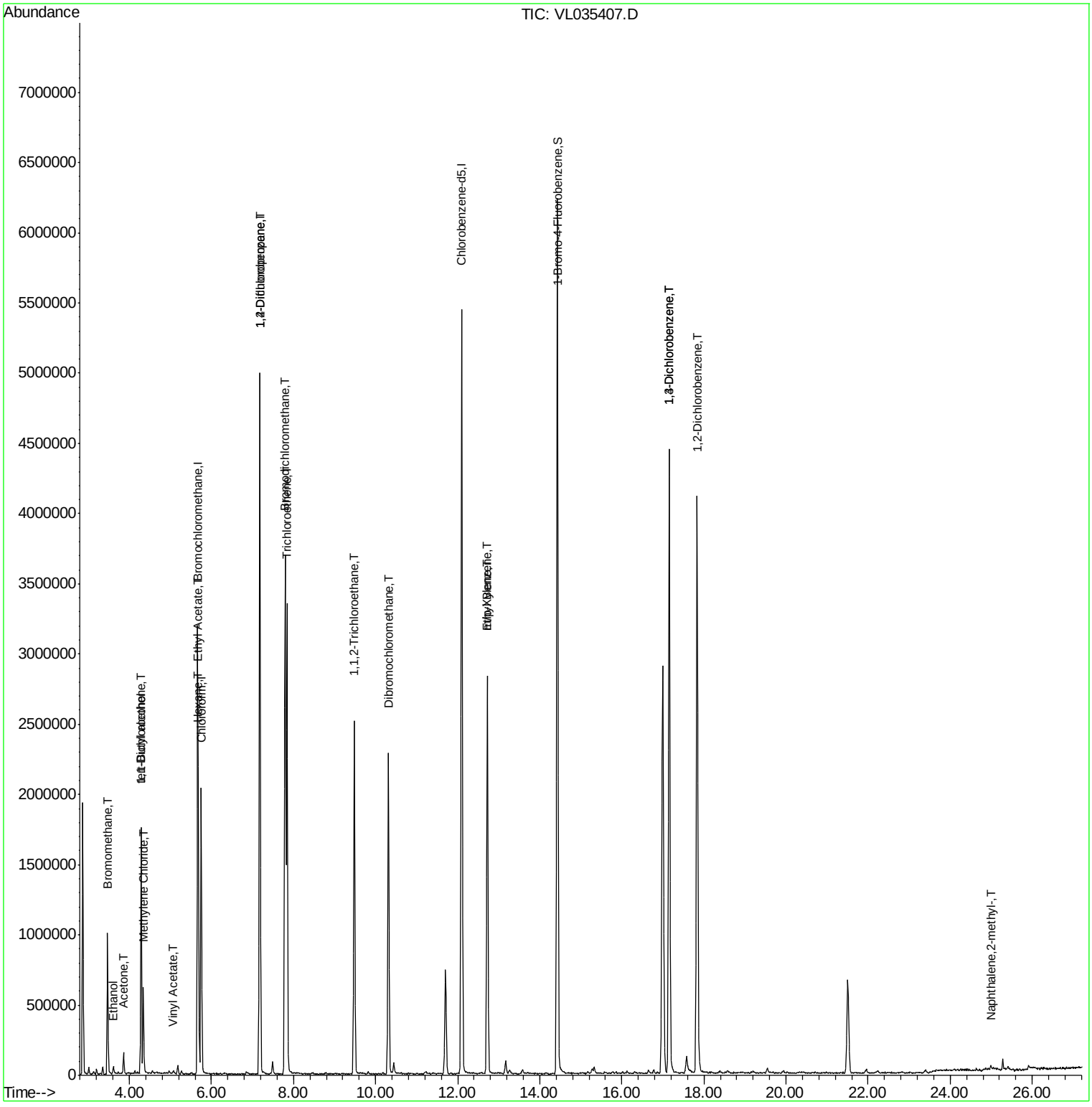
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081320\

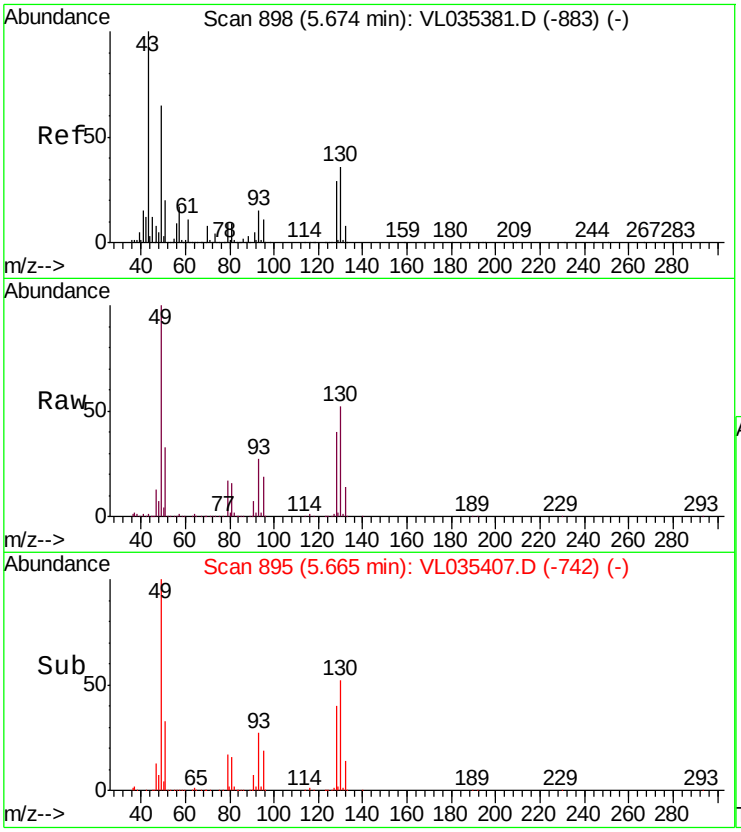
Quantitation Report (Not Reviewed)

Data File : VL035407.D
Acq On : 13 Aug 2020 19:02
Operator : SY/AP
Sample : L3510-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Quant Time: Aug 14 04:30:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081220AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 12 20:32:44 2020
QLast Update : Wed Aug 12 20:32:44 2020
Response via : Initial Calibration



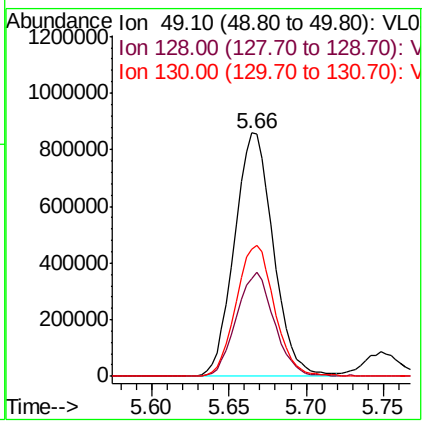


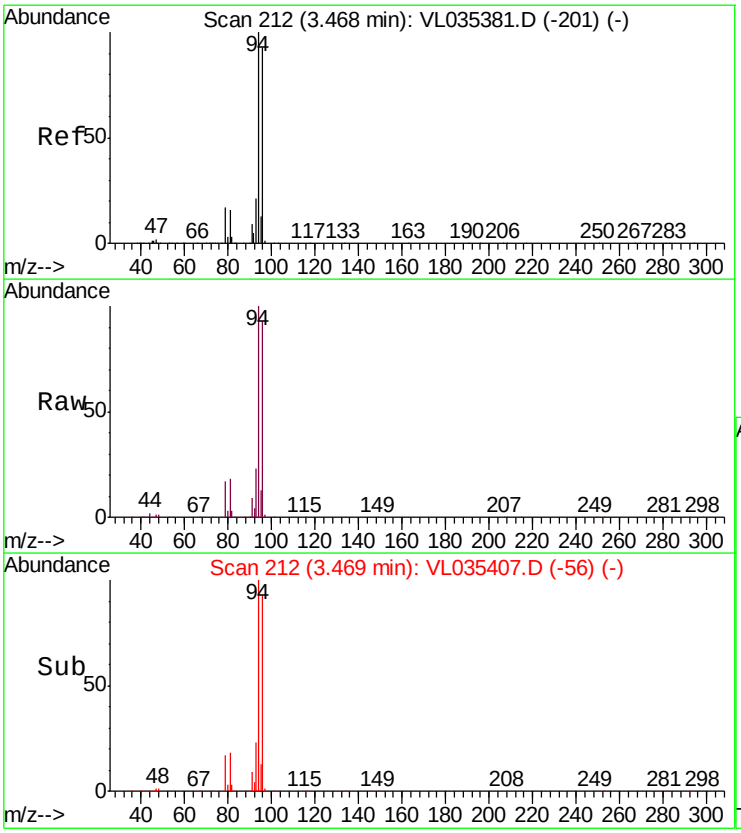
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion: 49 Resp: 1502558

Ion	Ratio	Lower	Upper
49	100		
128	41.8	21.8	65.3
130	53.6	27.9	83.6

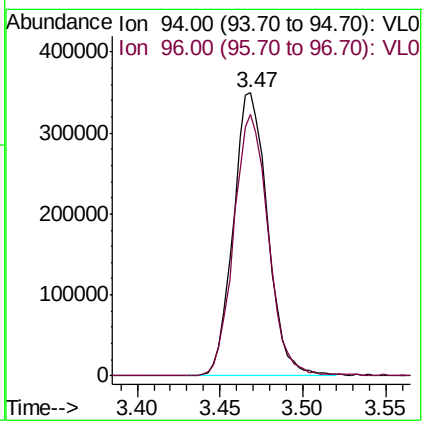


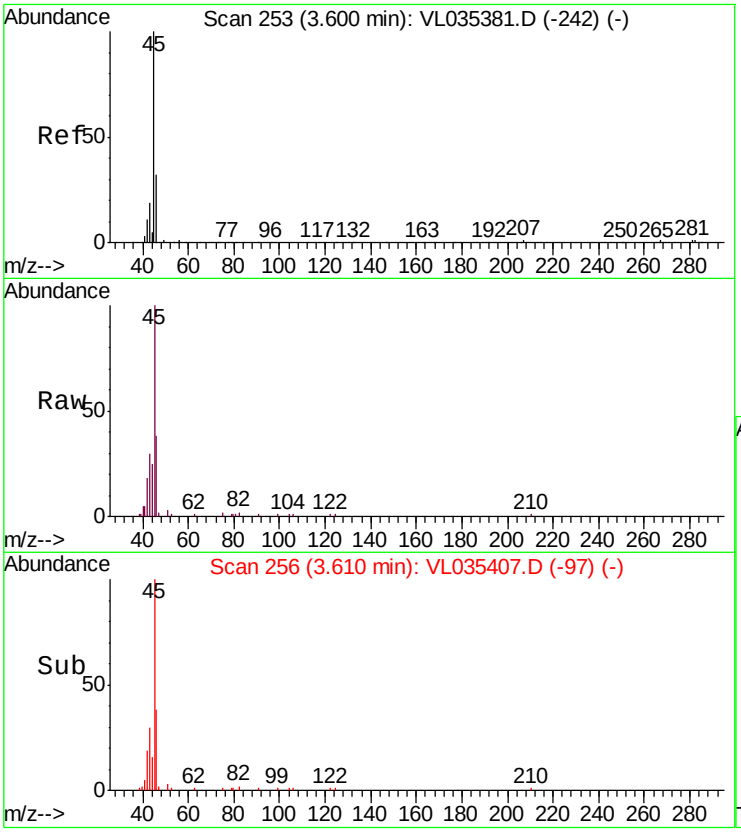


#6
Bromomethane
Concen: 9.397 ppbv
RT: 3.47 min Scan# 212
Delta R.T. 0.00 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 94 Resp: 502790

Ion	Ratio	Lower	Upper
94	100		
96	92.6	74.4	111.6



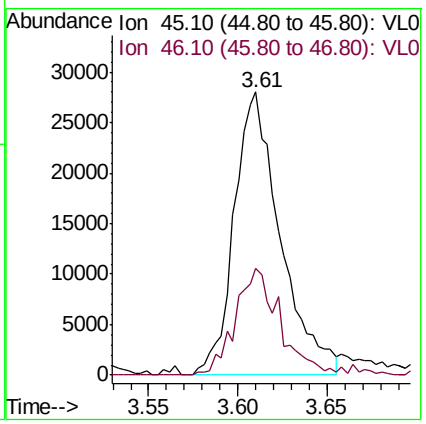


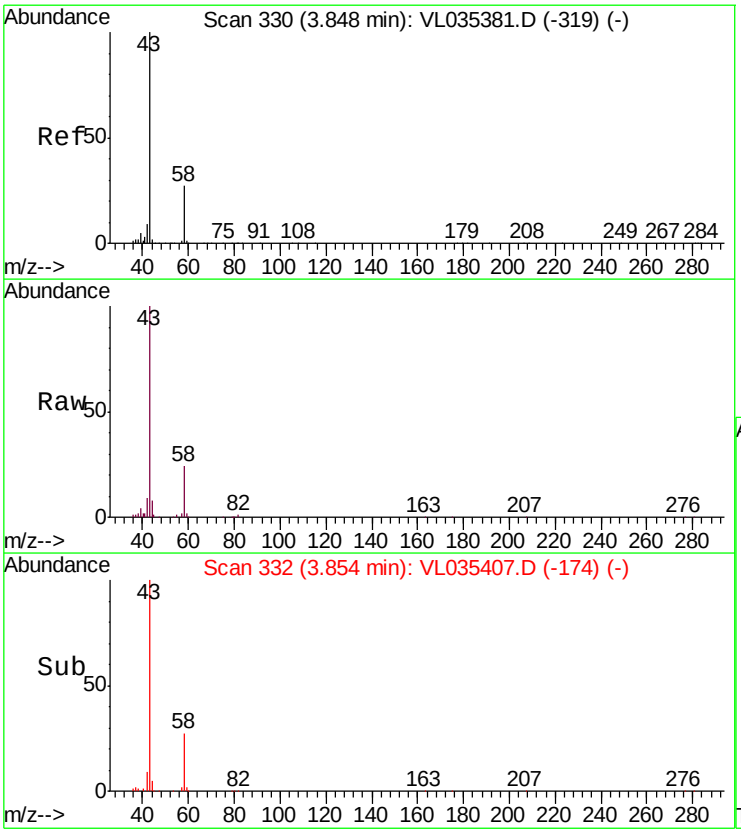
#13
Ethanol
Concen: 1.709 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion: 45 Resp: 50715

Ion	Ratio	Lower	Upper
45	100		
46	37.6	14.1	56.3

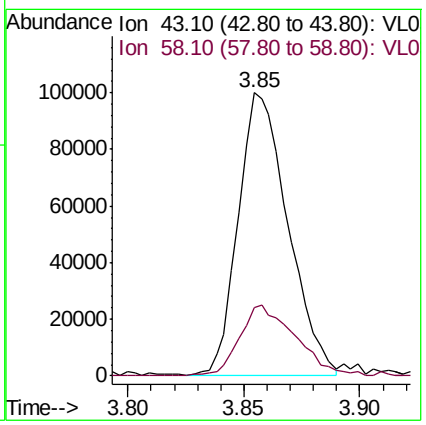


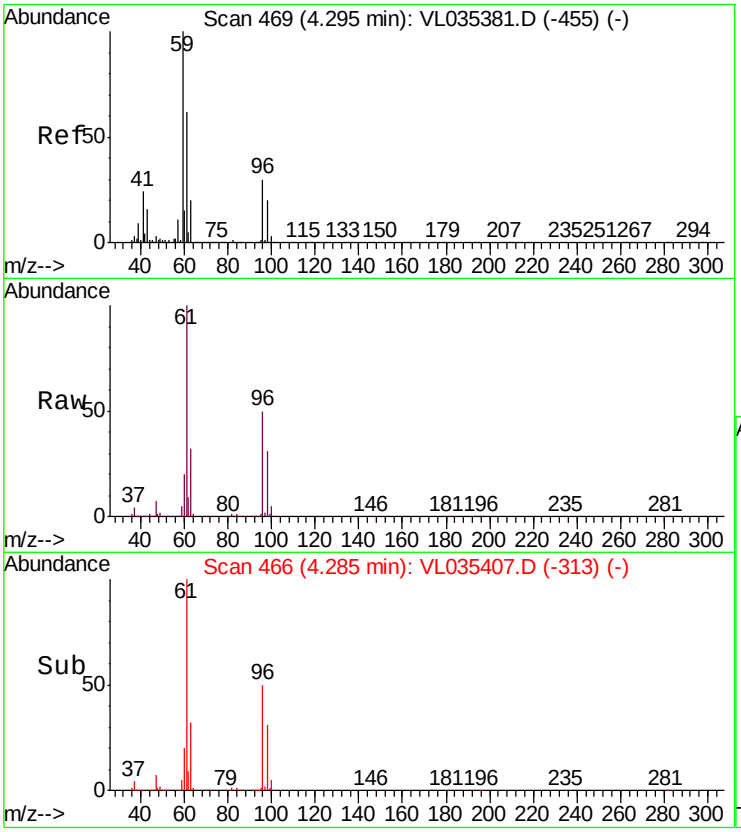


#15
Acetone
Concen: 0.790 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 43 Resp: 149492

Ion	Ratio	Lower	Upper
43	100		
58	28.4	21.7	32.5



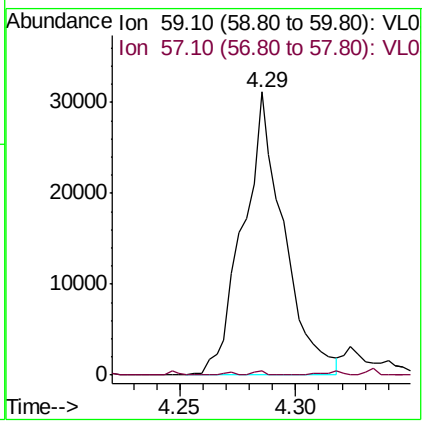


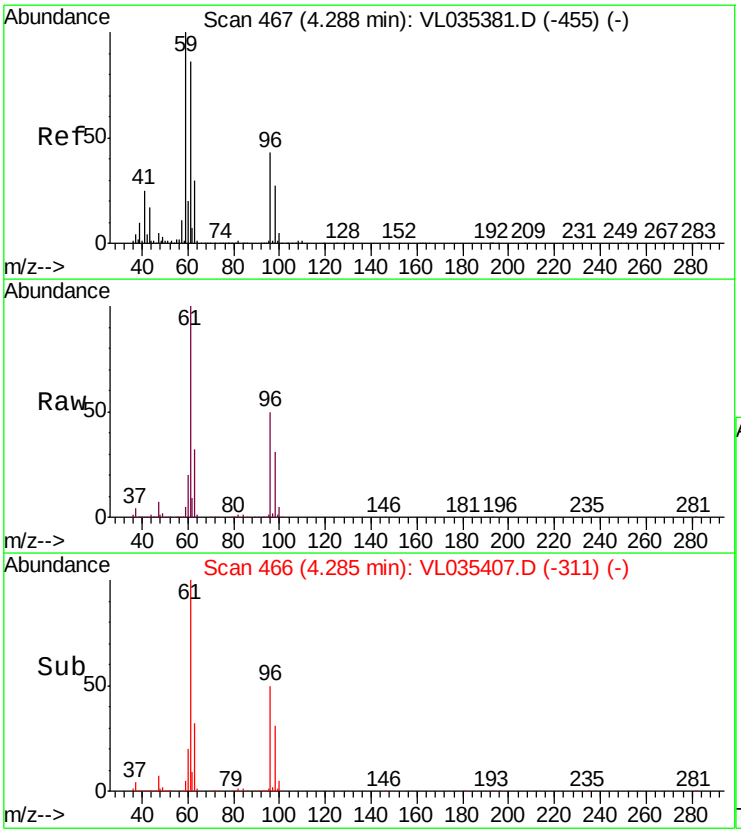
#17
tert-Butyl alcohol
Concen: 0.173 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion: 59 Resp: 38095

Ion	Ratio	Lower	Upper
59	100		
57	0.7	8.6	13.0#

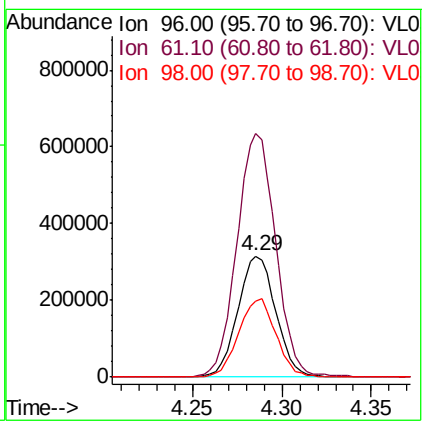


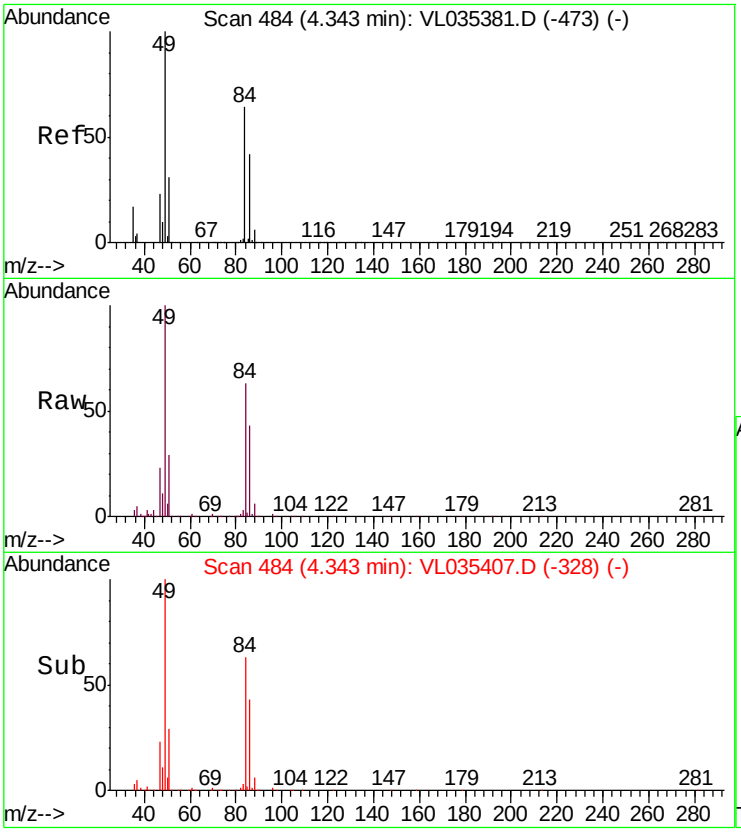


#18
1,1-Dichloroethene
Concen: 6.859 ppbv
RT: 4.29 min Scan# 466
Delta R.T. -0.00 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 96 Resp: 469255

Ion	Ratio	Lower	Upper
96	100		
61	201.0	159.0	238.4
98	62.2	50.3	75.5



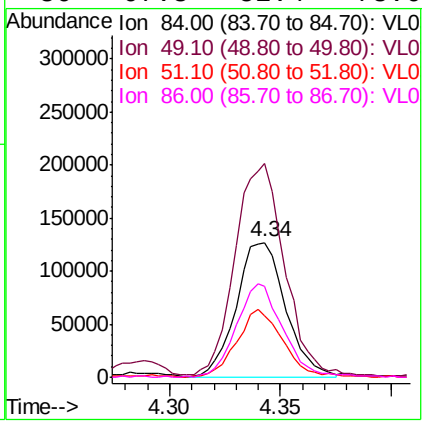


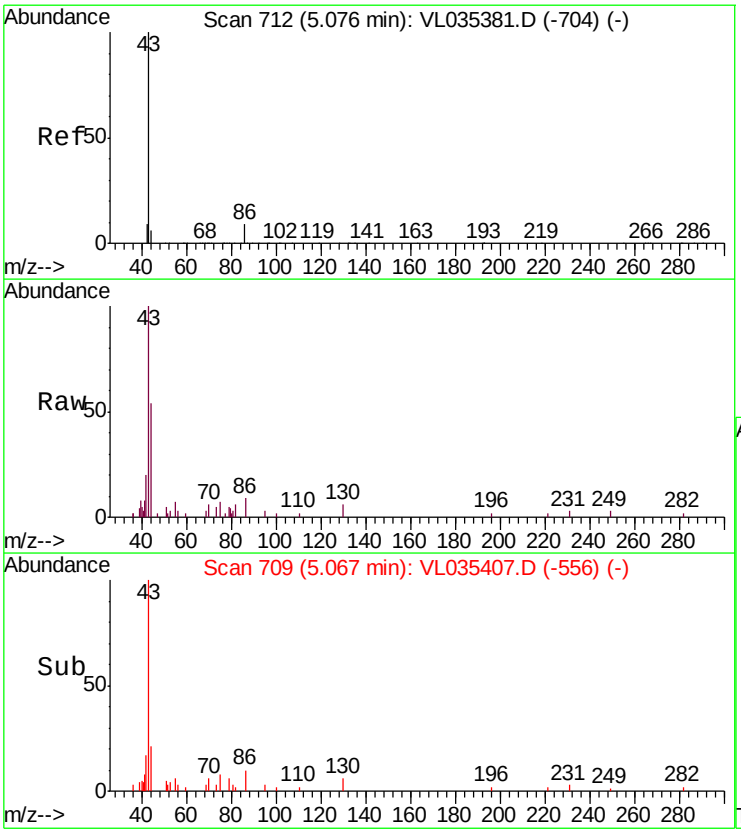
#20
Methylene Chloride
Concen: 2.724 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion: 84 Resp: 194688

Ion	Ratio	Lower	Upper
84	100		
49	157.5	125.7	188.5
51	45.7	38.5	57.7
86	67.3	52.4	78.6

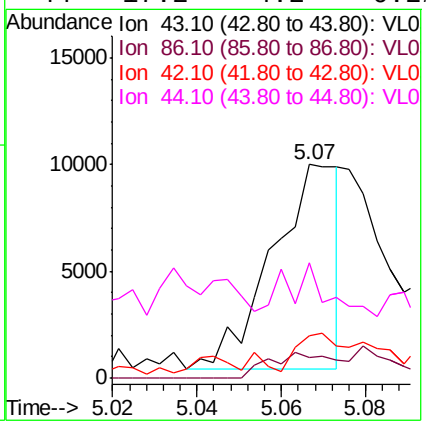


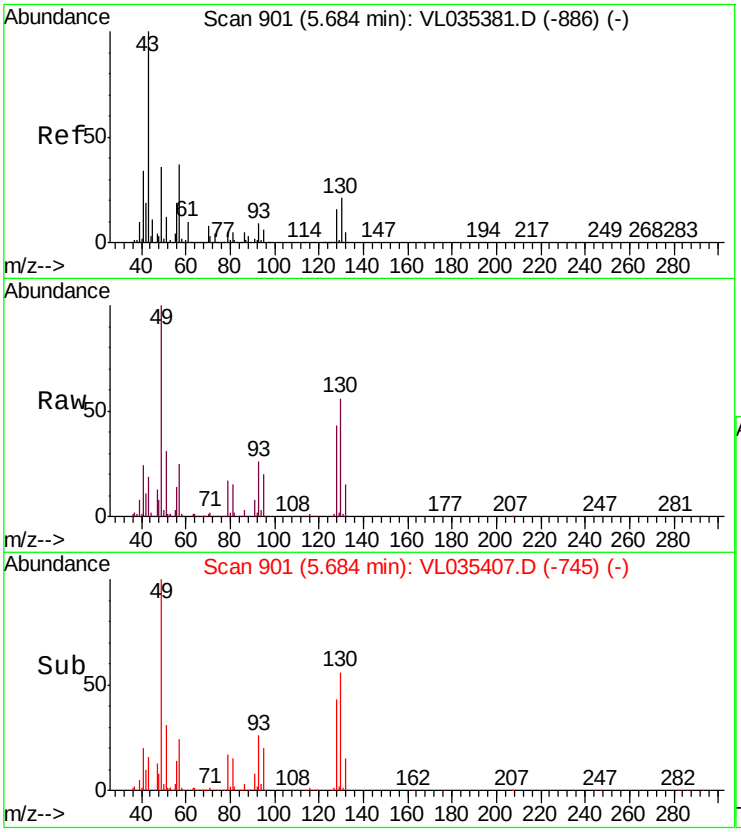


#23
Vinyl Acetate
Concen: 0.035 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 43 Resp: 10504

Ion	Ratio	Lower	Upper
43	100		
86	9.7	5.8	8.8#
42	16.2	8.0	12.0#
44	17.2	4.2	6.2#



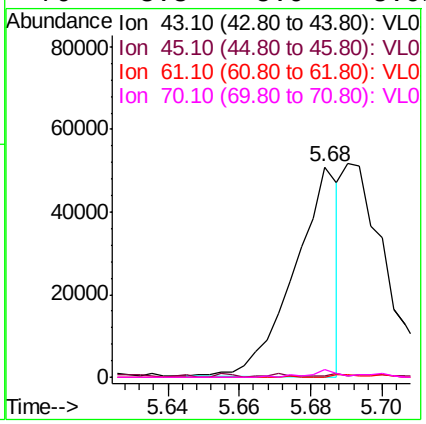


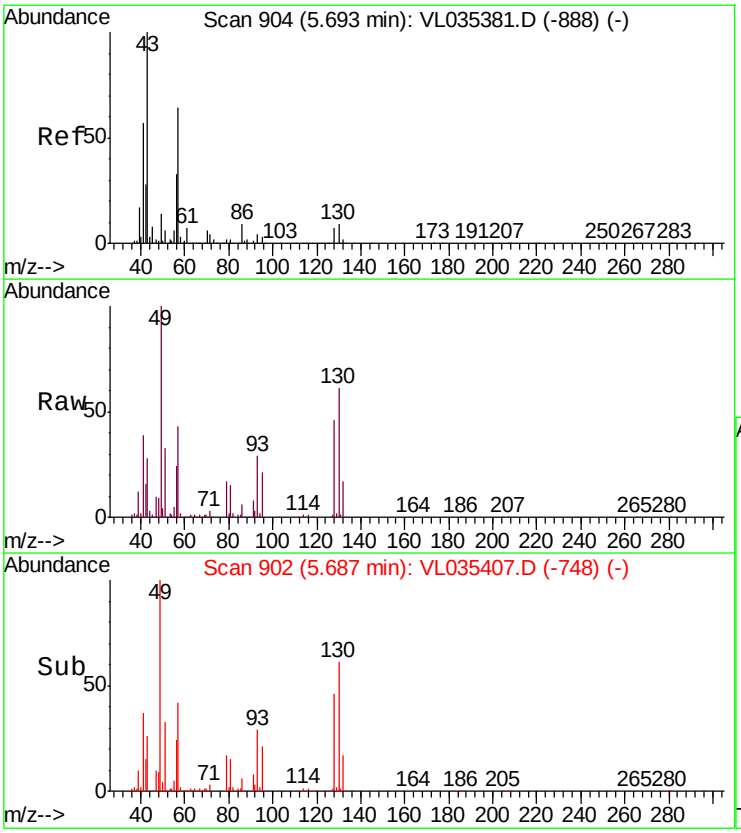
#25
Ethyl Acetate
Concen: 0.112 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion: 43 Resp: 43753

Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	0.0	7.4	11.2#
70	3.3	5.9	8.9#

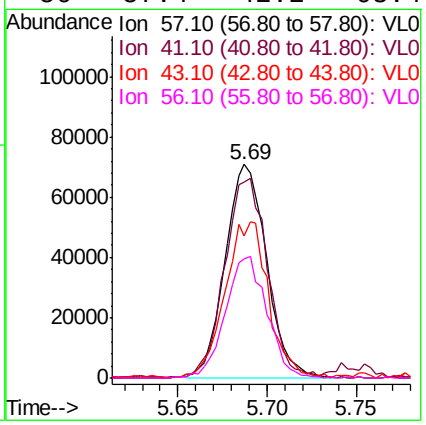


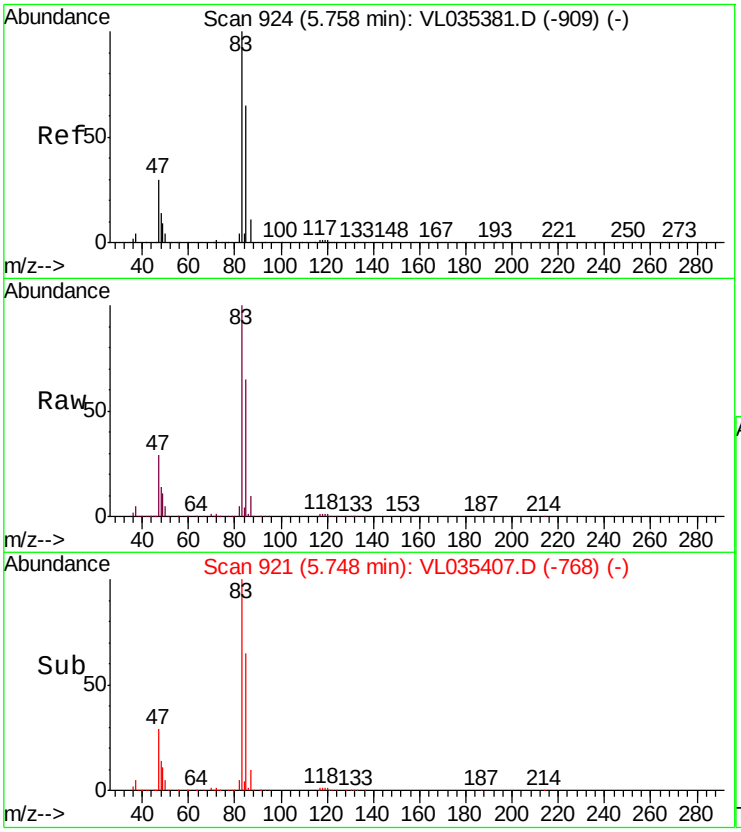


#26
Hexane
Concen: 0.672 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 57 Resp: 114935

Ion	Ratio	Lower	Upper
57	100		
41	97.3	75.4	113.2
43	76.8	184.1	276.1#
56	57.4	42.2	63.4



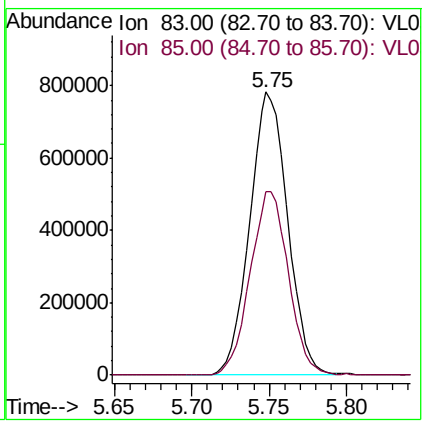


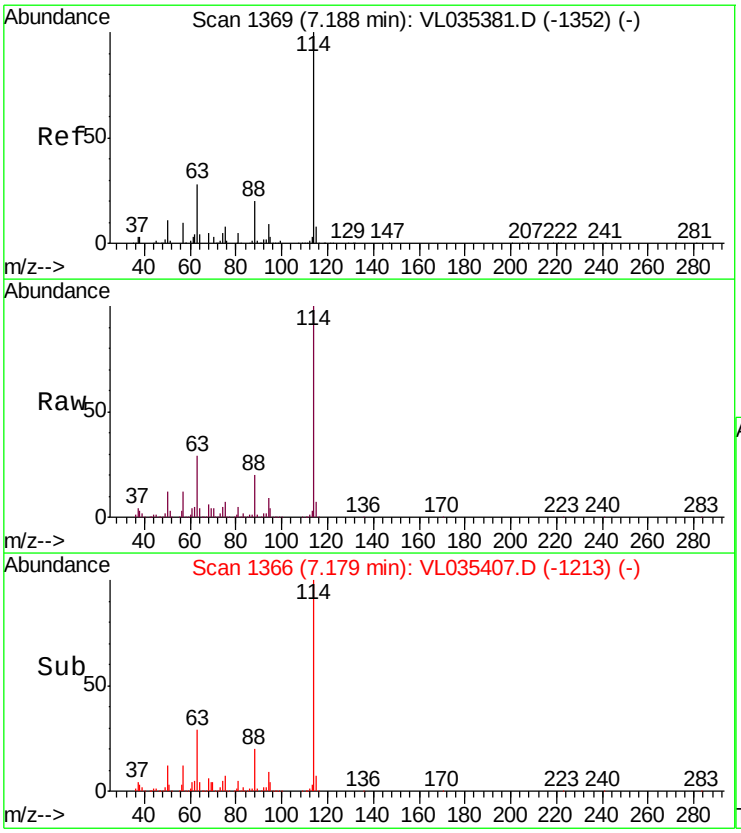
#29
Chloroform
Concen: 5.480 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion: 83 Resp: 1336825

Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5

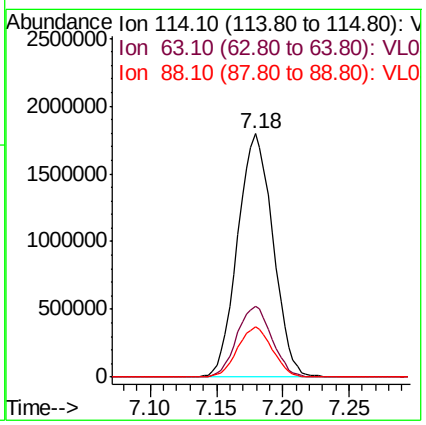


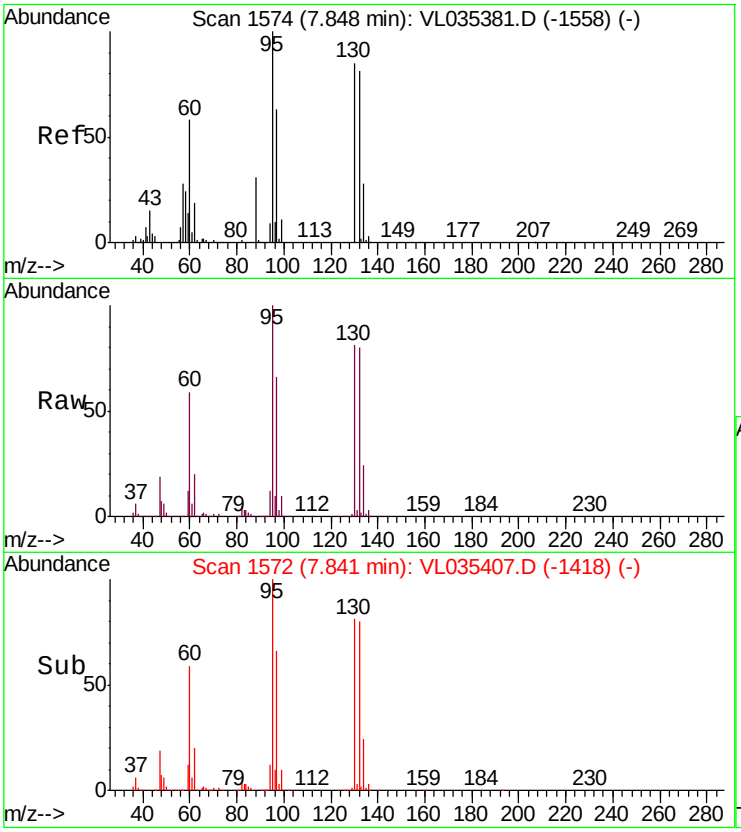


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion:114 Resp: 3338283

Ion	Ratio	Lower	Upper
114	100		
63	28.8	21.5	32.3
88	20.3	15.6	23.4



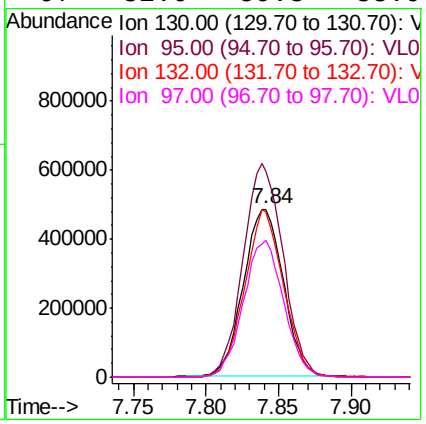


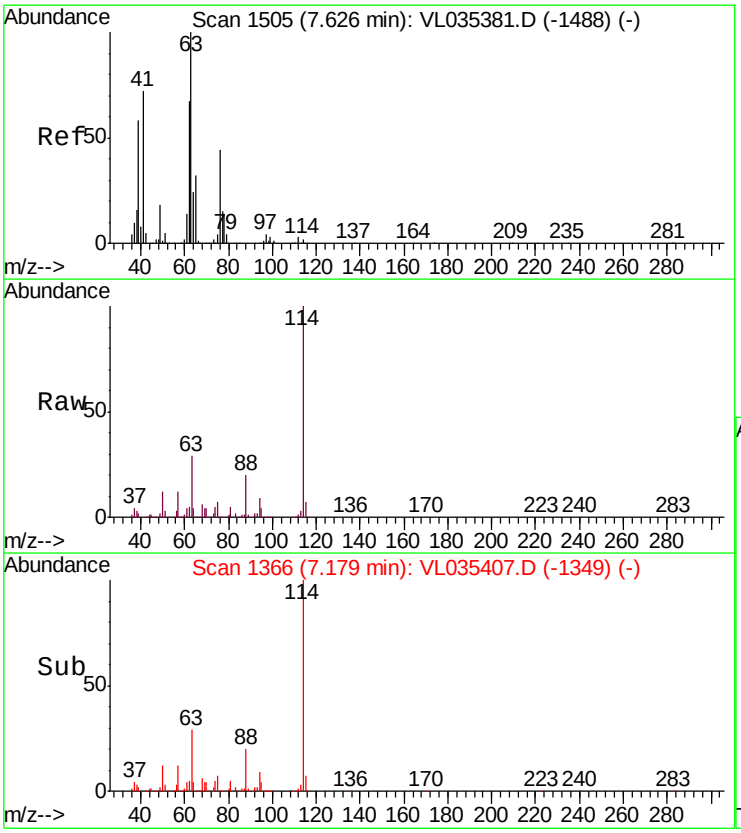
#38
Trichloroethene
Concen: 7.425 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion:130 Resp: 931415

Ion	Ratio	Lower	Upper
130	100		
95	123.5	94.2	141.4
132	98.6	76.6	114.8
97	82.0	59.3	88.9

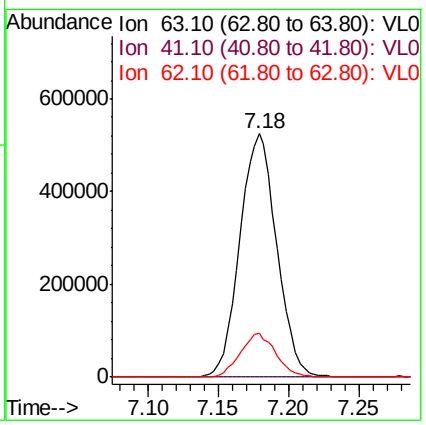


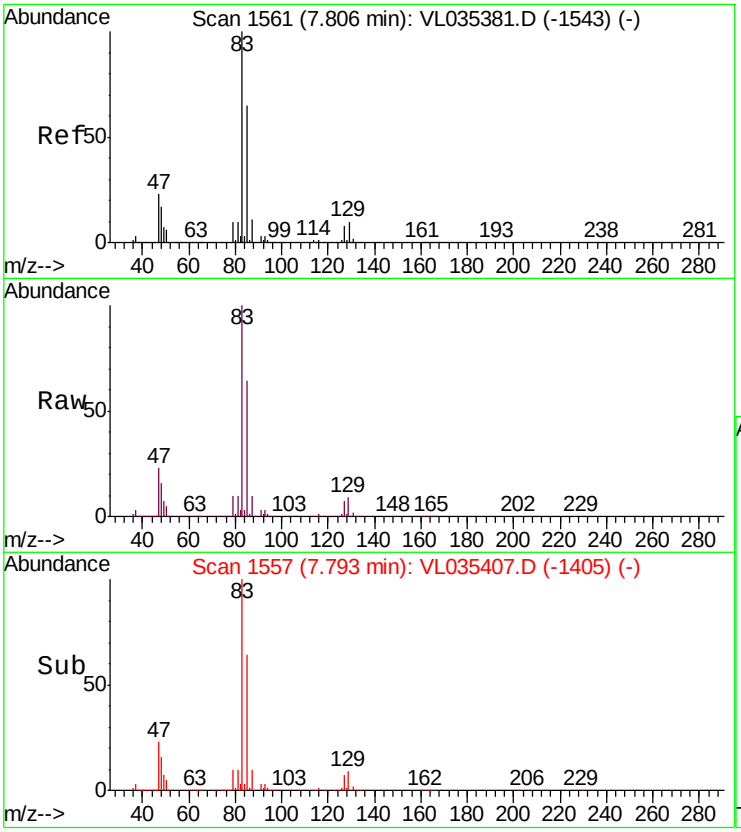


#39
1,2-Dichloropropane
Concen: 7.581 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.45 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 63 Resp: 960923

Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.4	86.2#
62	17.9	53.6	80.4#



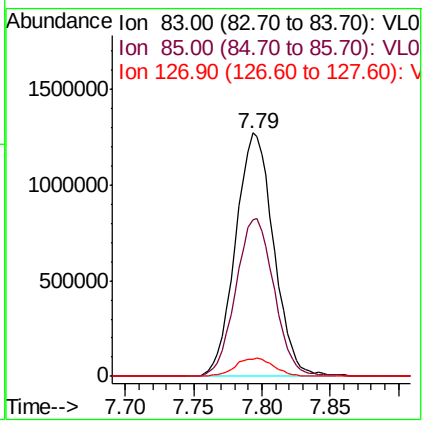


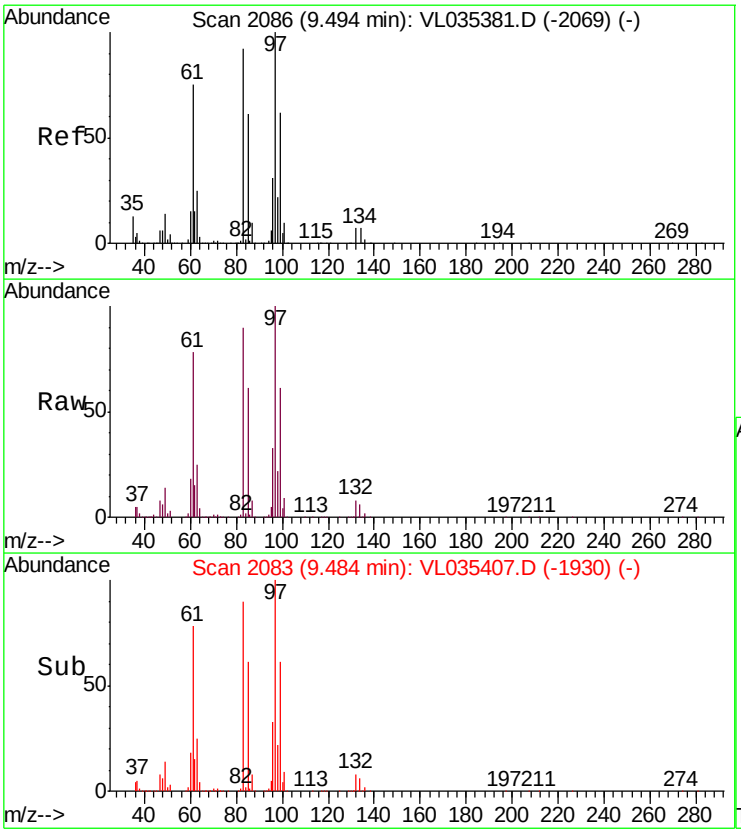
#42
Bromodichloromethane
Concen: 9.864 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion: 83 Resp: 2469136

Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.2	78.4
127	6.9	6.3	9.5

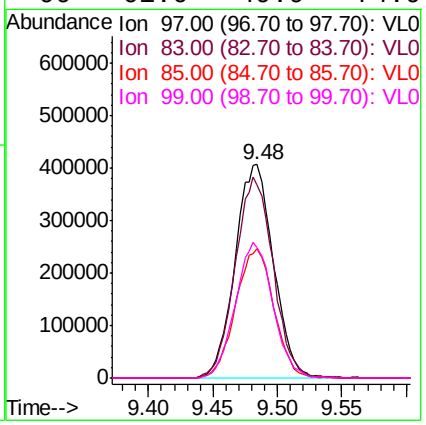


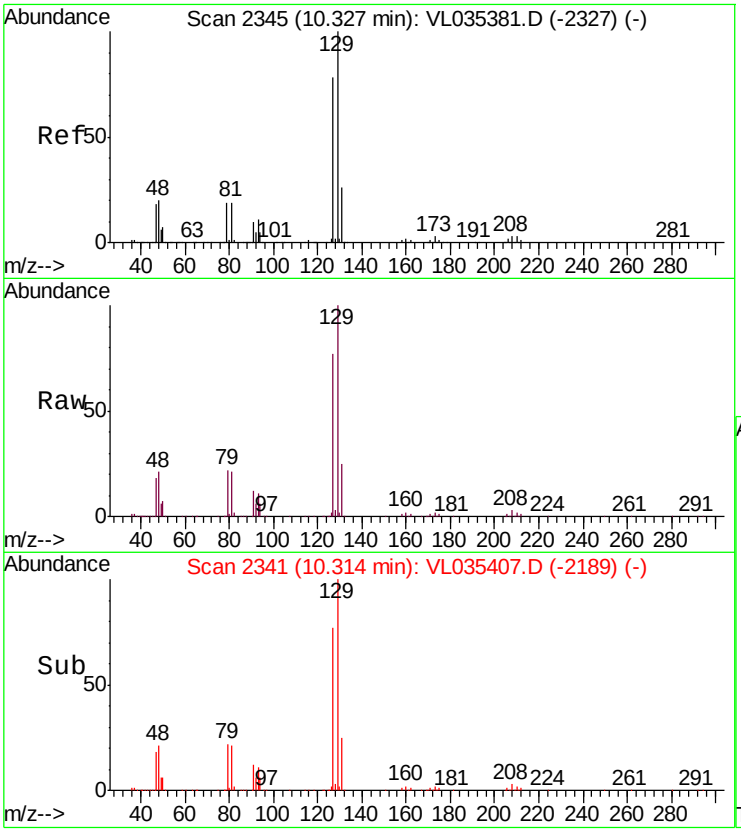


#47
1,1,2-Trichloroethane
Concen: 6.533 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 97 Resp: 839875

Ion	Ratio	Lower	Upper
97	100		
83	90.4	73.9	110.9
85	60.5	49.0	73.6
99	61.0	49.9	74.9



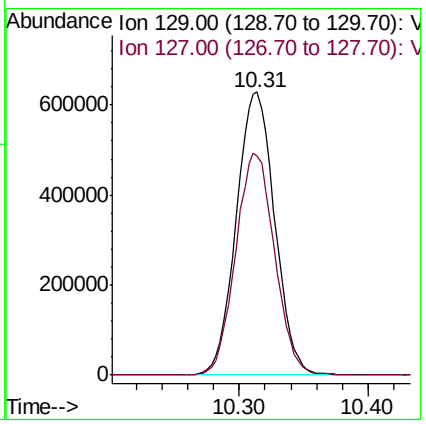


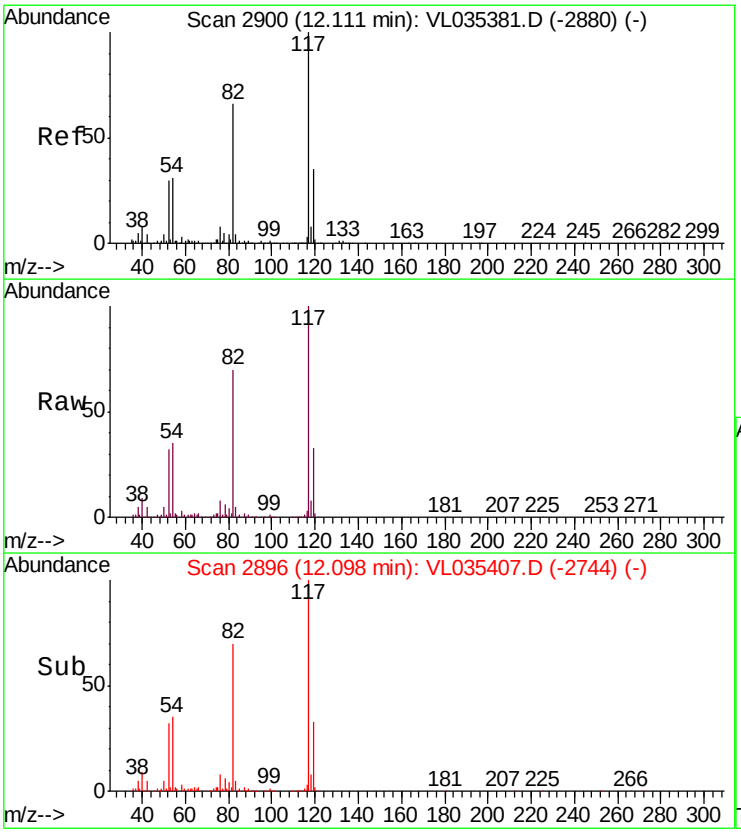
#48
Dibromochloromethane
Concen: 6.341 ppbv
RT: 10.31 min Scan# 2341
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion:129 Resp: 1302993

Ion	Ratio	Lower	Upper
129	100		
127	79.7	39.3	117.8

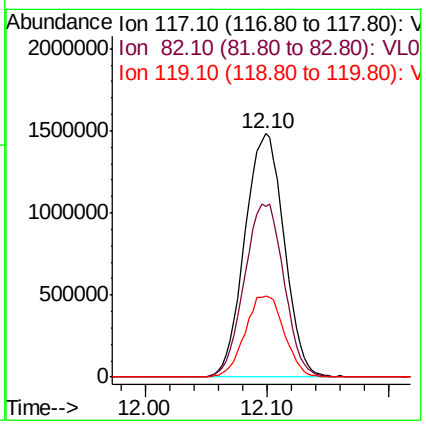


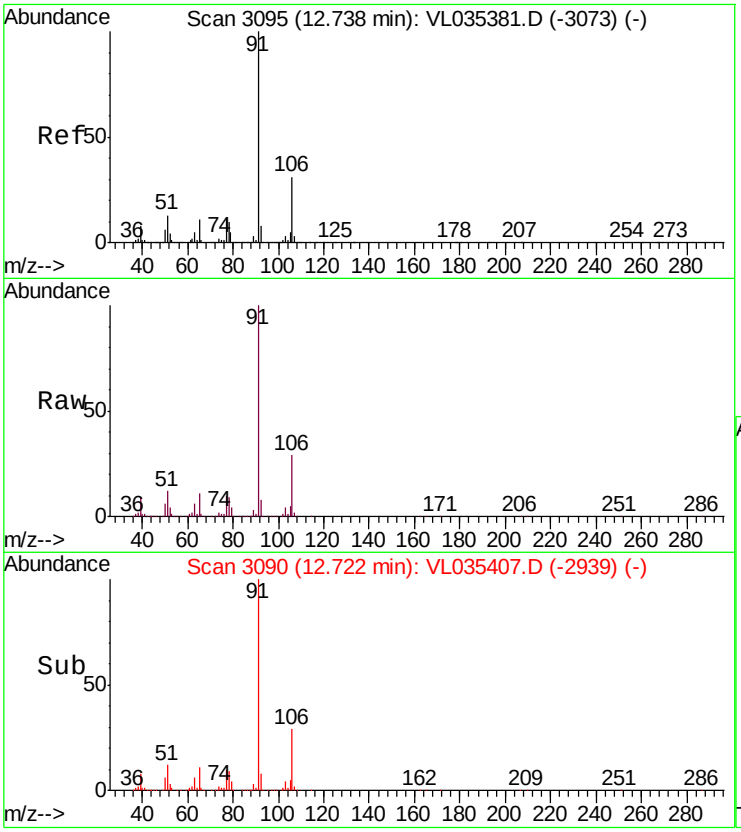


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion:117 Resp: 3310150

Ion	Ratio	Lower	Upper
117	100		
82	71.6	53.0	79.6
119	33.0	25.7	38.5



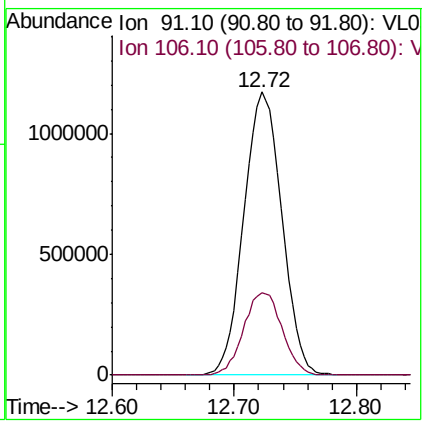


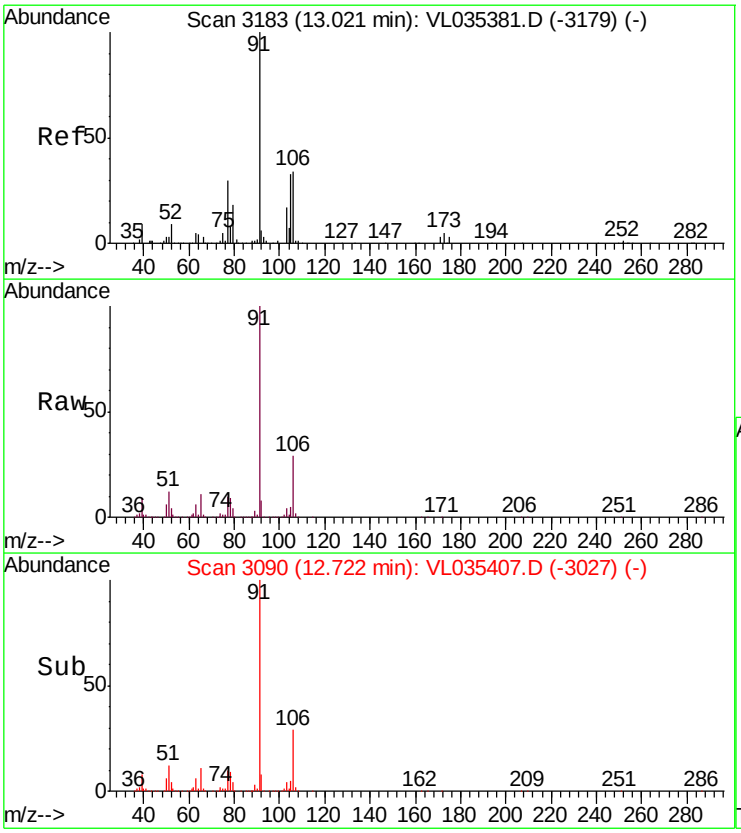
#58
Ethyl Benzene
Concen: 4.825 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion: 91 Resp: 2524340

Ion	Ratio	Lower	Upper
91	100		
106	29.2	25.1	37.7

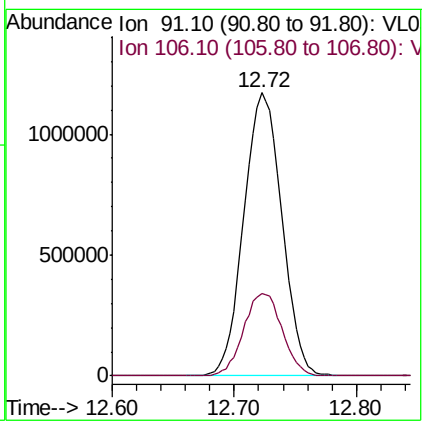


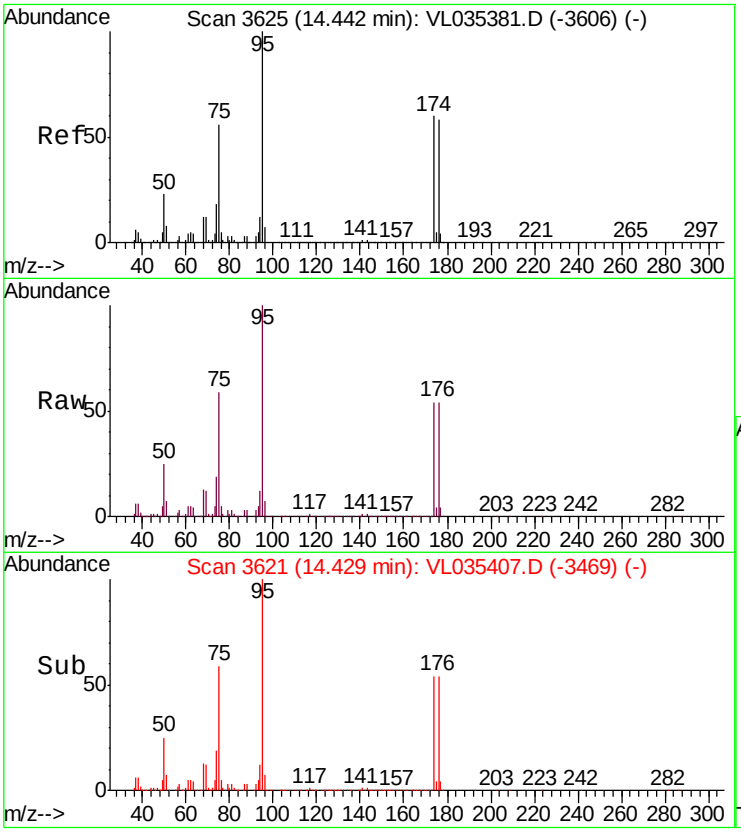


#59
m/p-Xylene
Concen: 5.786 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.30 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion: 91 Resp: 2524340

Ion	Ratio	Lower	Upper
91	100		
106	29.6	36.7	55.1#



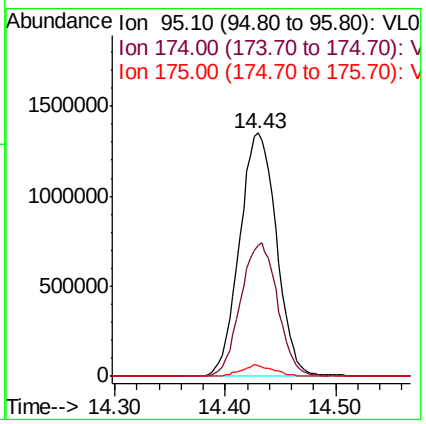


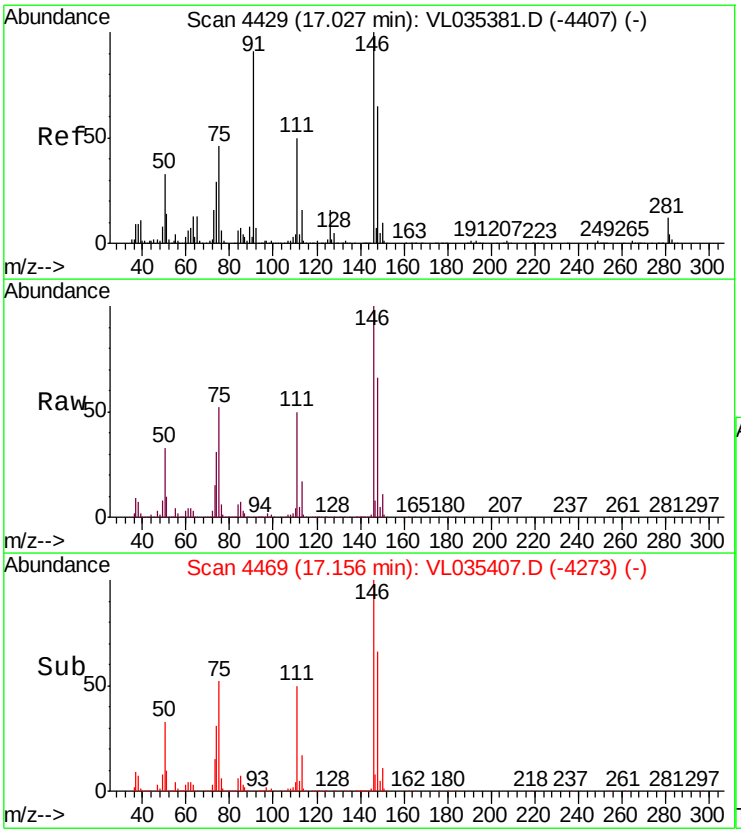
#68
1-Bromo-4-Fluorobenzene
Concen: 11.728 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion: 95 Resp: 3134378

Ion	Ratio	Lower	Upper
95	100		
174	55.0	48.2	72.2
175	4.1	3.7	5.5

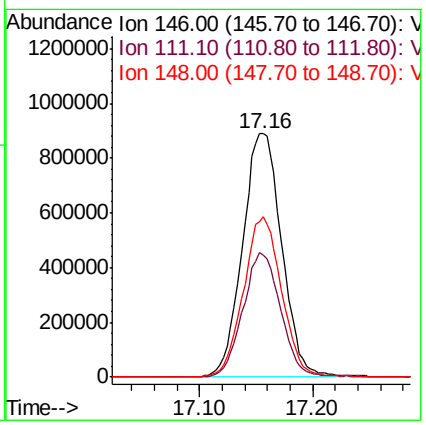


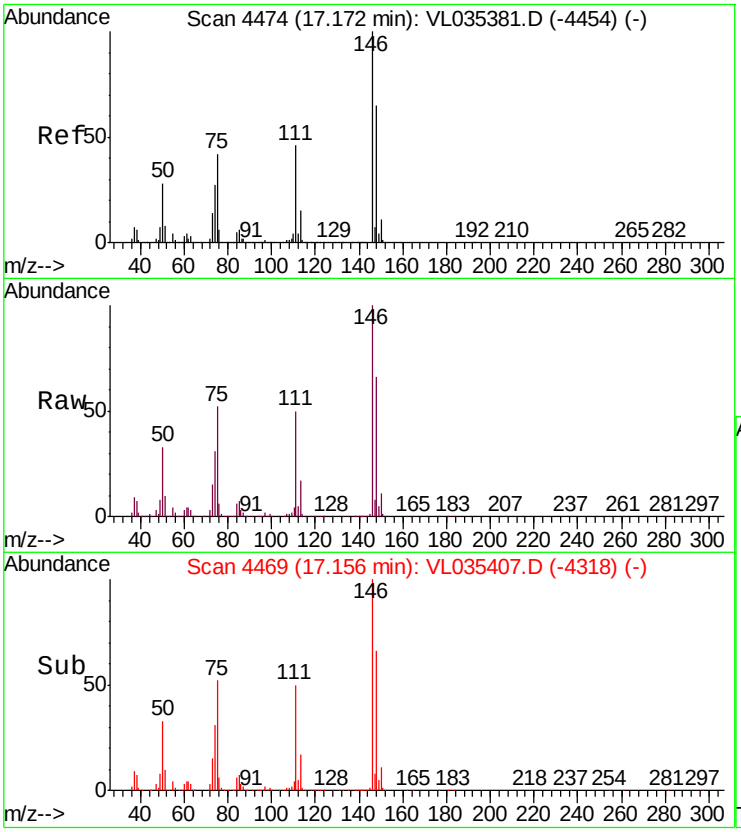


#75
1,3-Dichlorobenzene
Concen: 7.716 ppbv
RT: 17.16 min Scan# 4469
Delta R.T. 0.13 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion:146 Resp: 2141345

Ion	Ratio	Lower	Upper
146	100		
111	49.6	25.0	75.0
148	64.4	32.6	97.7



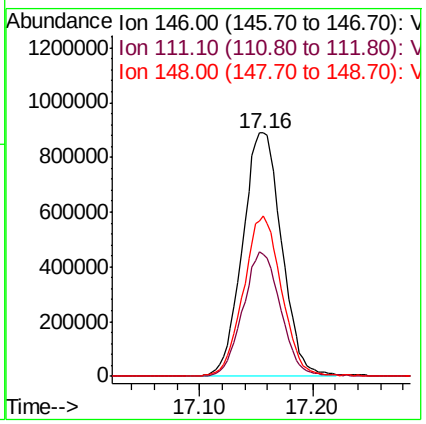


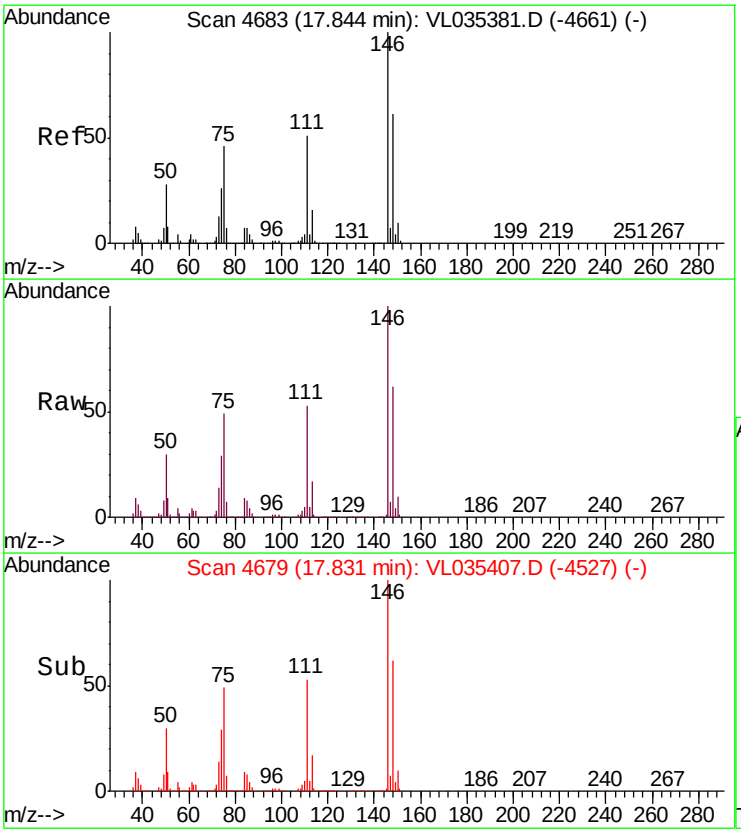
#76
1,4-Dichlorobenzene
Concen: 7.512 ppbv
RT: 17.16 min Scan# 4469
Delta R.T. -0.02 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument : MSVOA_L
ClientSampleId : E053-1100DL

Tgt Ion:146 Resp: 2141345

Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.0	72.0
148	64.4	32.5	97.5

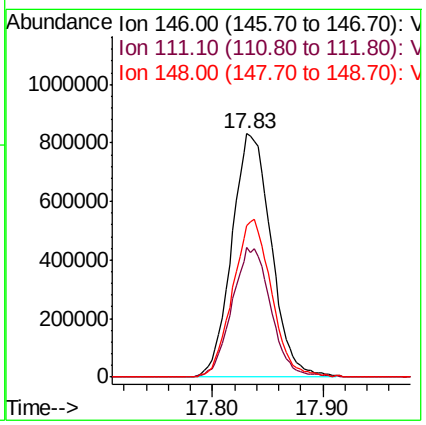


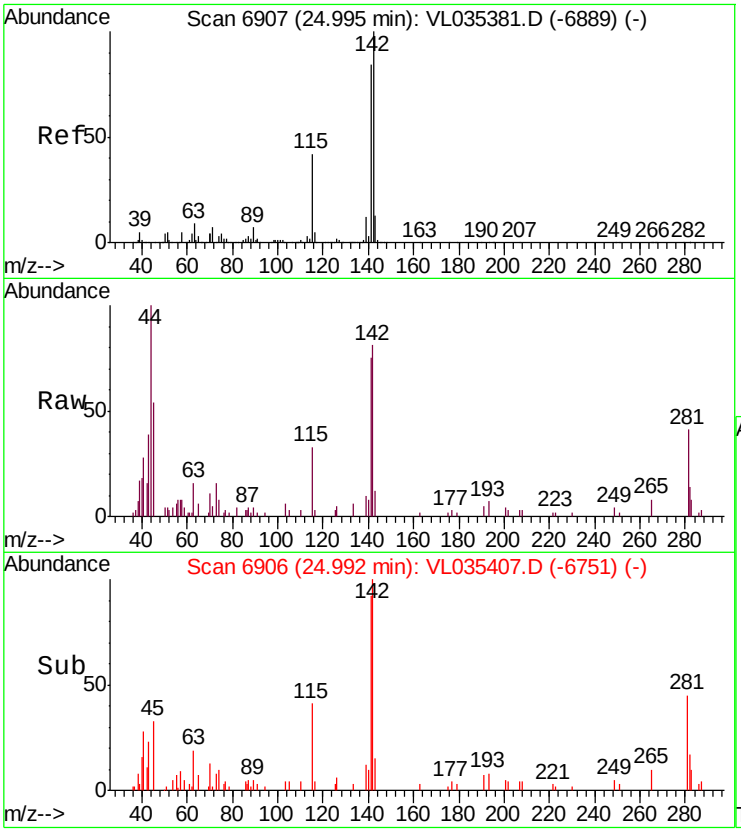


#77
1,2-Dichlorobenzene
Concen: 7.346 ppbv
RT: 17.83 min Scan# 4679
Delta R.T. -0.01 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Tgt Ion:146 Resp: 2055311

Ion	Ratio	Lower	Upper
146	100		
111	52.7	25.9	77.8
148	63.9	32.1	96.3





#80
Naphthalene,2-methyl-
Concen: 0.047 ppbv
RT: 24.99 min Scan# 6906
Delta R.T. -0.00 min
Lab File: VL035407.D
Acq: 13 Aug 2020 19:02

Instrument :
MSVOA_L
ClientSampleId :
E053-1100DL

Tgt Ion:142 Resp: 13969

Ion	Ratio	Lower	Upper
142	100		
141	95.8	67.7	101.5
115	49.8	34.0	51.0