Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

Quantitation Report (Not Reviewed)

Data File : VL034687.D
Acq On : 26 Feb 2020 10:49
Operator : SY/AP
Sample : L1314-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Quant Time: Feb 27 07:27:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1078260	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2293107	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2243058	10.00	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	1926272	10.47	ppbv	0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 104.70%			
Target Compounds						Qvalue
4) Chloromethane	3.10	50	6371	0.098	ppbv #	89
6) Bromomethane	3.44	94	357142	9.539	ppbv	97
13) Ethanol	3.58	45	1323	0.086	ppbv #	37
15) Acetone	3.83	43	35856	0.292	ppbv #	73
20) Methylene Chloride	4.32	84	24545	0.537	ppbv	92
23) Vinyl Acetate	5.06	43	3453	0.021	ppbv #	71
25) Ethyl Acetate	5.67	43	623438	2.866	ppbv #	76
26) Hexane	5.67	57	911325	9.091	ppbv #	42
30) Cyclohexane	7.13	84	819849	10.553	ppbv	99
34) 2-Butanone	5.67	43	622409	4.312	ppbv #	53
35) Carbon Tetrachloride	7.02	117	1210420	7.882	ppbv	97
39) 1,2-Dichloropropane	7.18	63	642438	8.153	ppbv #	24
41) Tetrahydrofuran	5.67	42	337318	4.428	ppbv #	49
47) 1,1,2-Trichloroethane	9.48	97	769235	9.516	ppbv	96
52) Tetrachloroethene	11.24	164	645301	8.889	ppbv	97
58) Ethyl Benzene	12.99	91	1844543	6.797	ppbv #	71
59) m/p-Xylene	12.99	91	1844543	7.793	ppbv	99
60) o-Xylene	13.72	91	1575028	6.706	ppbv	98
64) n-propylbenzene	15.87	120	637400	7.216	ppbv #	1
71) 2-Chlorotoluene	15.87	91	301944	1.138	ppbv #	45
72) 4-Ethyltoluene	15.87	105	2264235	8.661	ppbv	99
73) 1,3,5-Trimethylbenzene	15.87	105	2264235	9.003	ppbv #	71
75) 1,3-Dichlorobenzene	17.03	146	988544	6.166	ppbv	99
76) 1,4-Dichlorobenzene	17.03	146	988544	6.163	ppbv	98
80) Naphthalene,2-methyl-	24.93	142	3971	0.053	ppbv	95

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

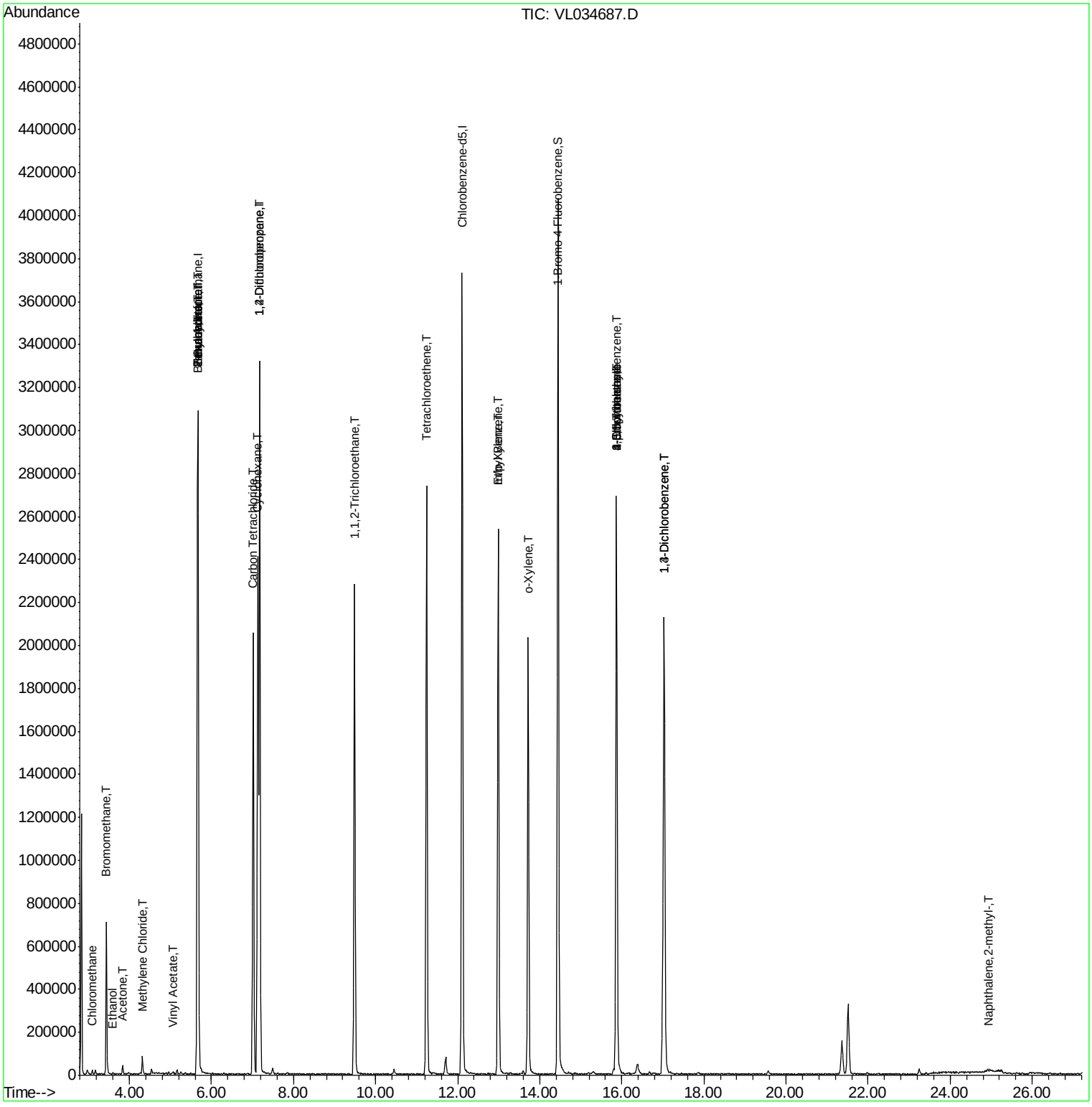
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022620\

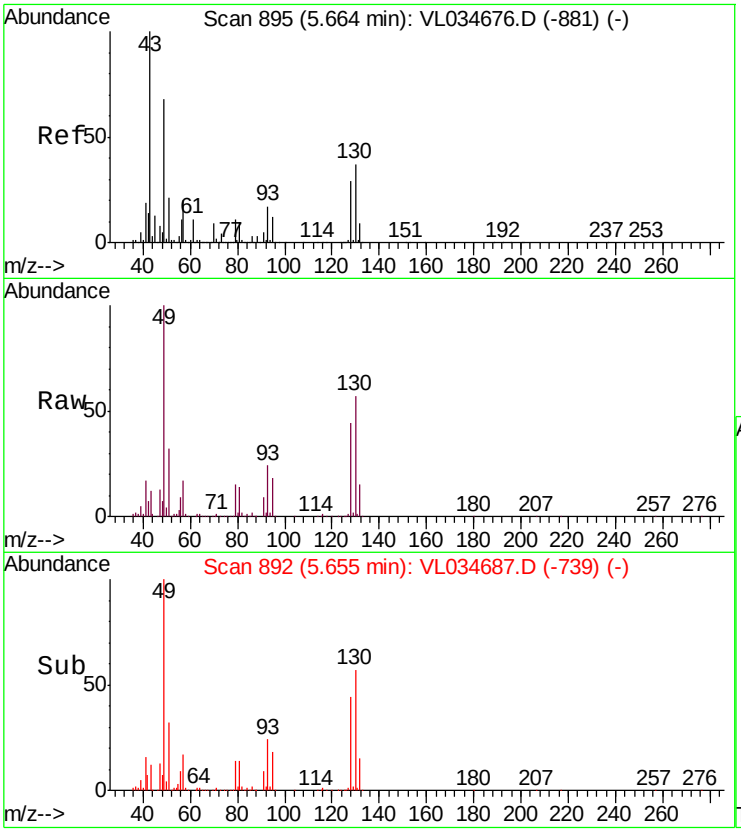
Quantitation Report (Not Reviewed)

Data File : VL034687.D
Acq On : 26 Feb 2020 10:49
Operator : SY/AP
Sample : L1314-01DL 4X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Quant Time: Feb 27 07:27:19 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 26 06:58:15 2020
QLast Update : Wed Feb 26 06:58:15 2020
Response via : Initial Calibration



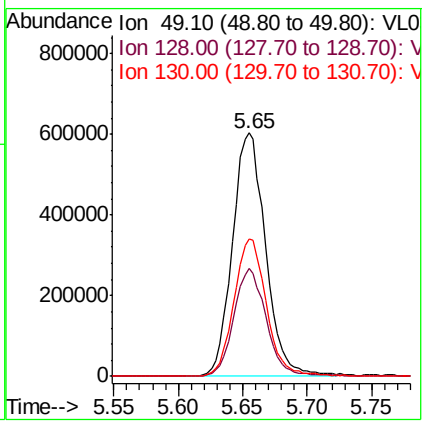


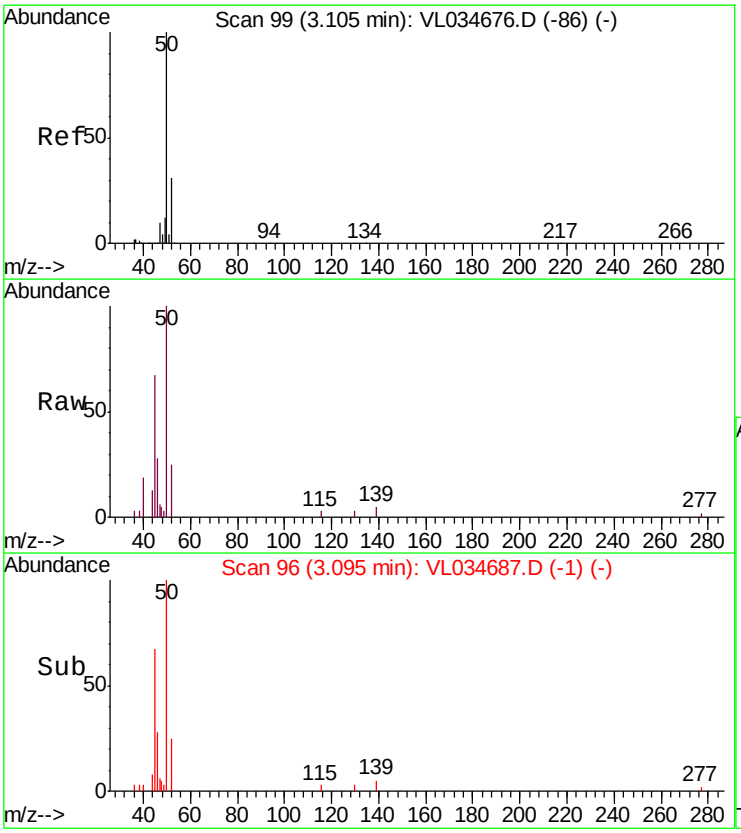
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 892
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion: 49 Resp: 1078260

Ion	Ratio	Lower	Upper
49	100		
128	43.5	21.6	65.0
130	55.7	27.7	83.1

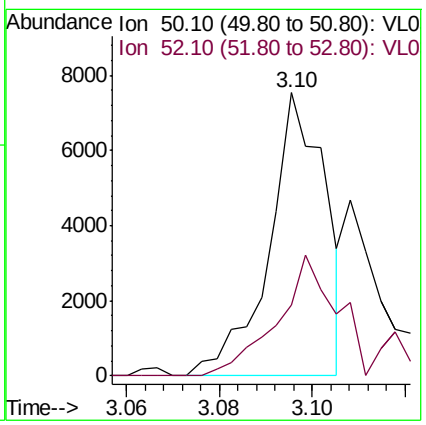


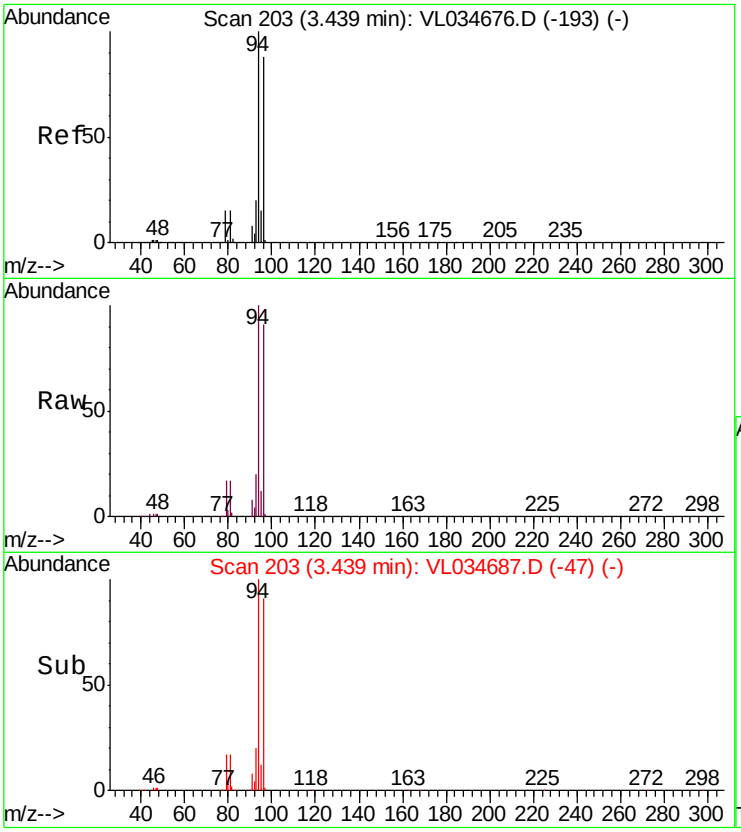


#4
Chloromethane
Concen: 0.098 ppbv
RT: 3.10 min Scan# 96
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 50 Resp: 6371

Ion	Ratio	Lower	Upper
50	100		
52	24.9	25.0	37.4#



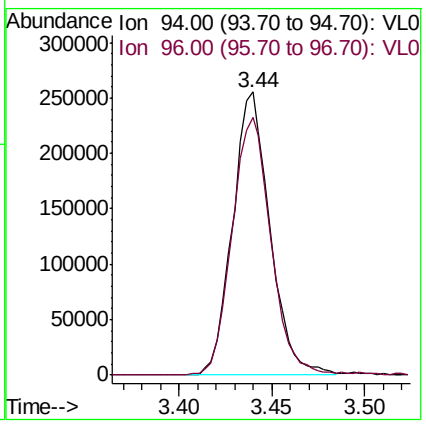


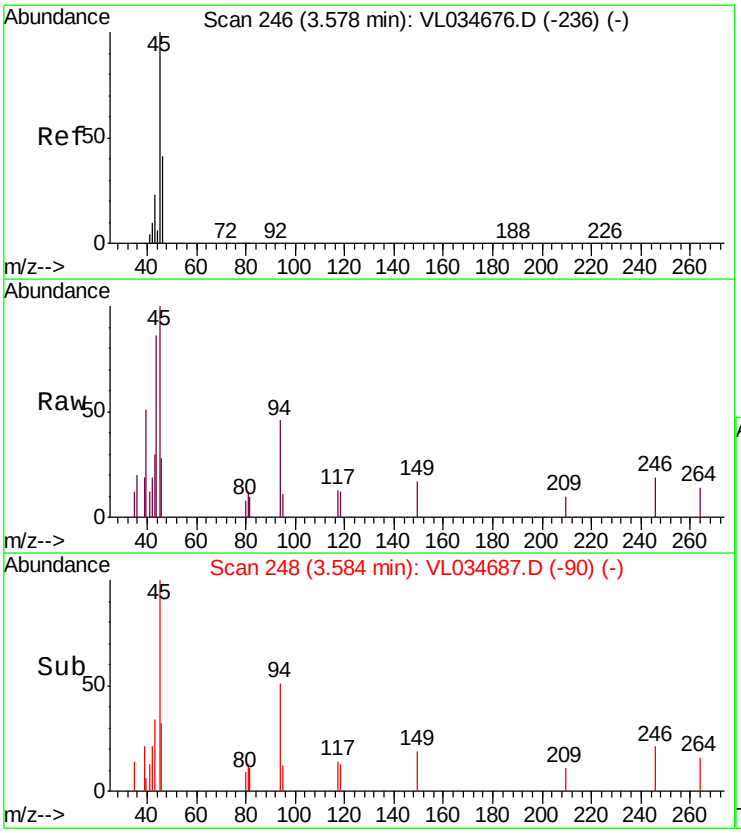
#6
Bromomethane
Concen: 9.539 ppbv
RT: 3.44 min Scan# 203
Delta R.T. 0.00 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion: 94 Resp: 357142

Ion	Ratio	Lower	Upper
94	100		
96	91.2	70.5	105.7

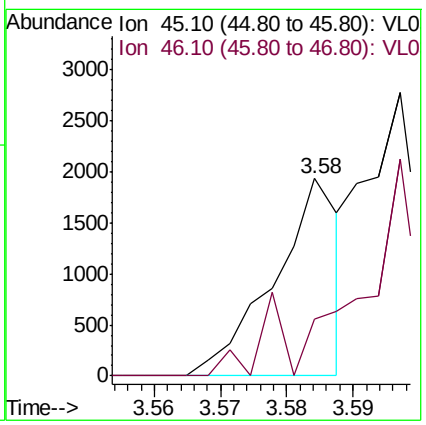


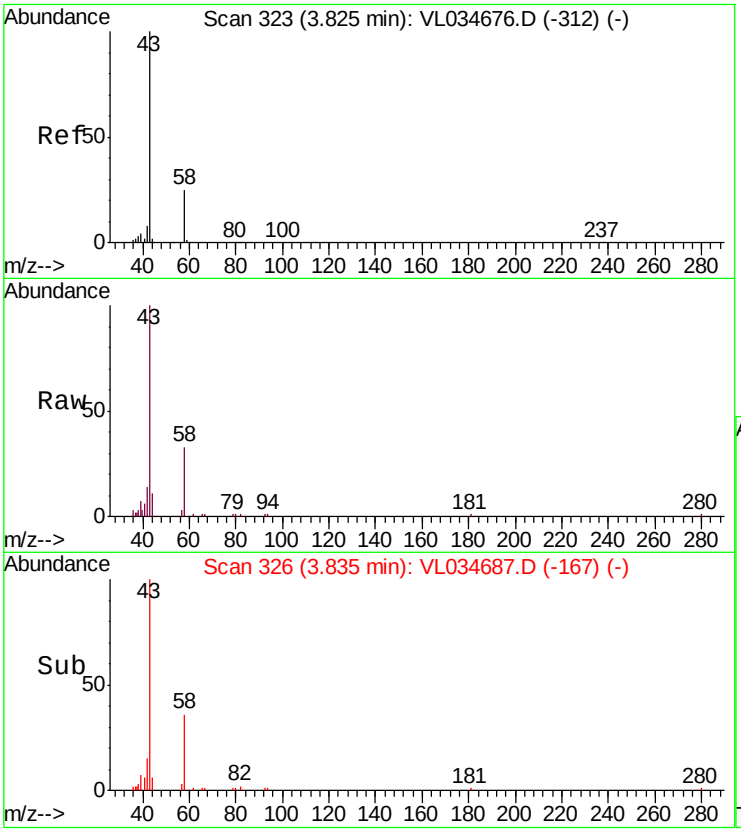


#13
Ethanol
Concen: 0.086 ppbv
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 45 Resp: 1323

Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.4	61.4#



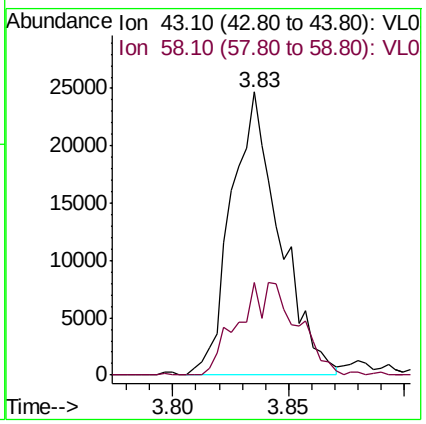


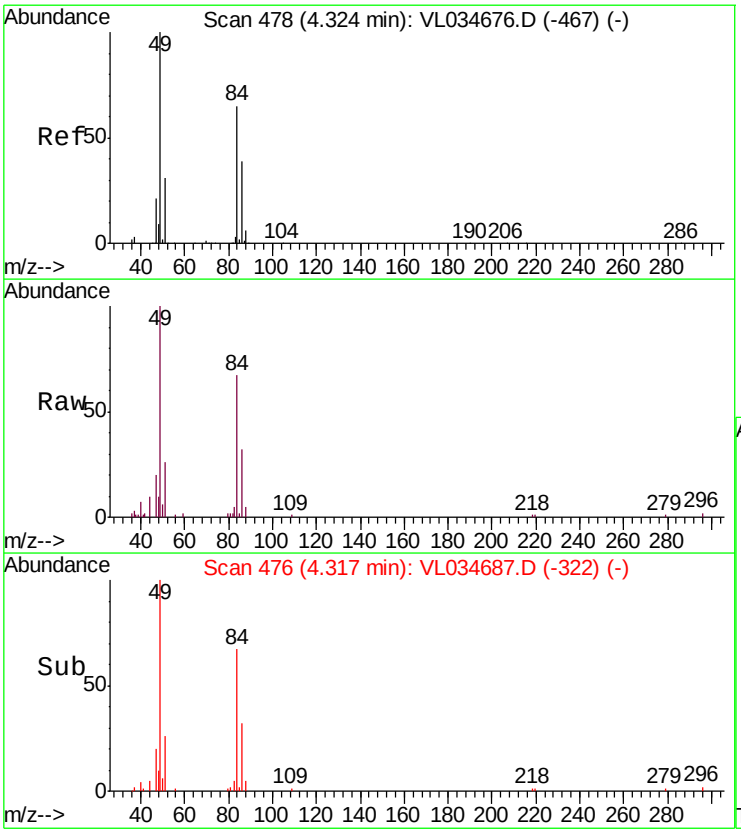
#15
Acetone
Concen: 0.292 ppbv
RT: 3.83 min Scan# 326
Delta R.T. 0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Tgt Ion: 43 Resp: 35856

Ion	Ratio	Lower	Upper
43	100		
58	40.4	21.4	32.0#

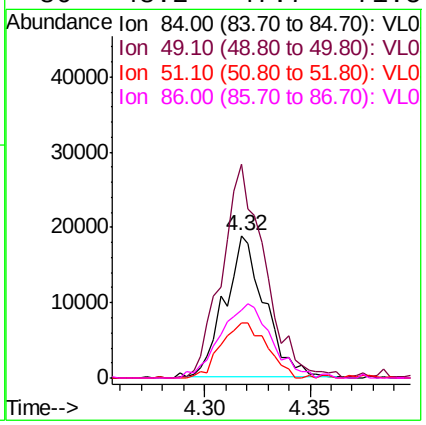


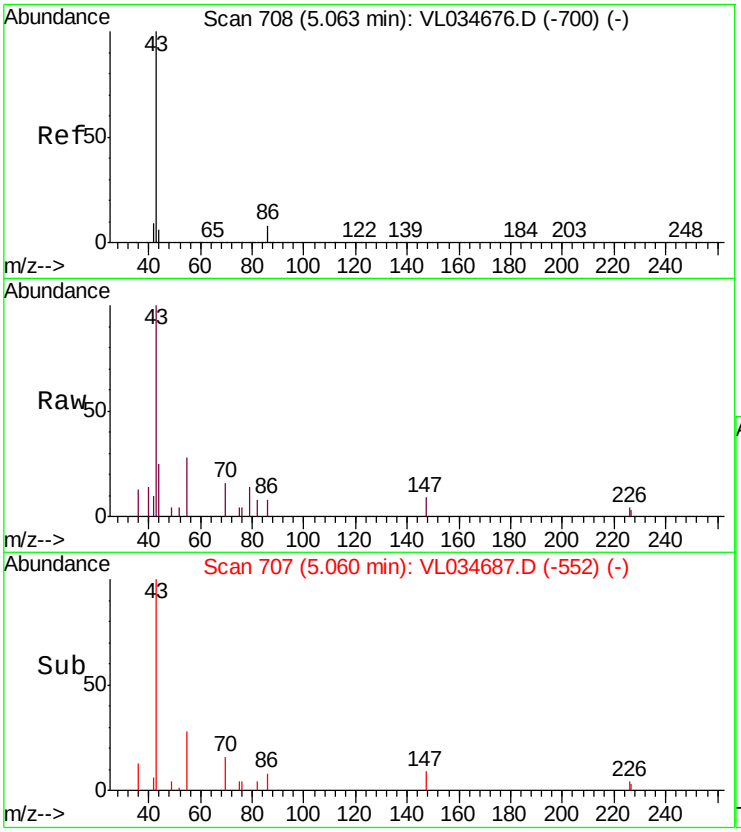


#20
Methylene Chloride
Concen: 0.537 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 84 Resp: 24545

Ion	Ratio	Lower	Upper
84	100		
49	150.1	122.8	184.2
51	38.9	38.6	58.0
86	48.2	47.7	71.5



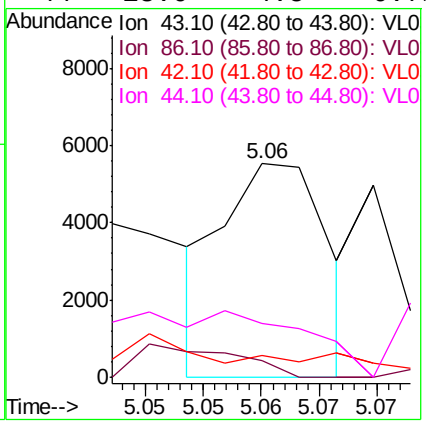


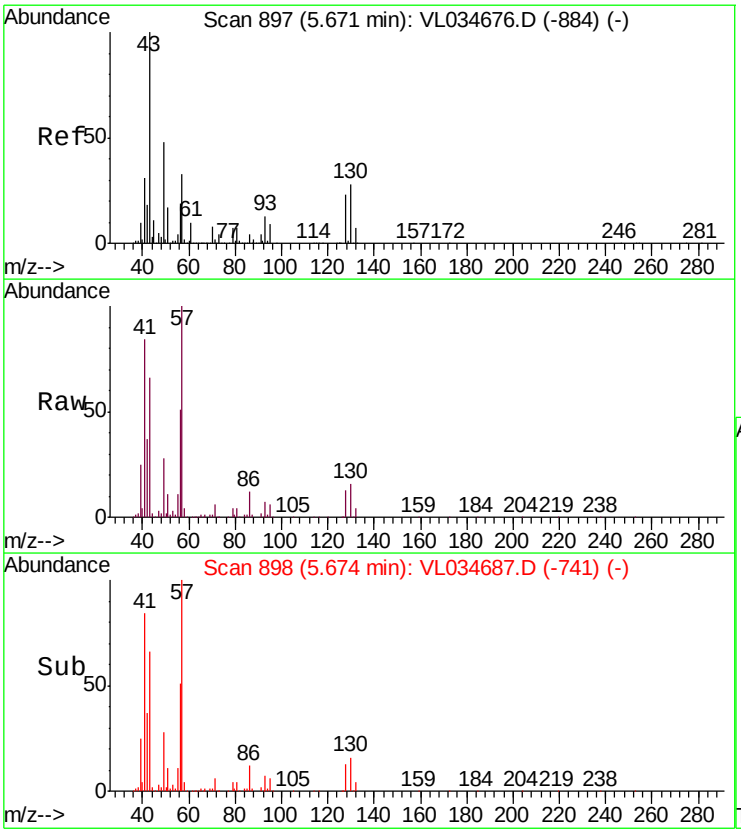
#23
Vinyl Acetate
Concen: 0.021 ppbv
RT: 5.06 min Scan# 707
Delta R.T. -0.00 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Tgt Ion: 43 Resp: 3453

Ion	Ratio	Lower	Upper
43	100		
86	16.9	6.0	9.0#
42	0.0	8.0	12.0#
44	18.0	4.5	6.7#

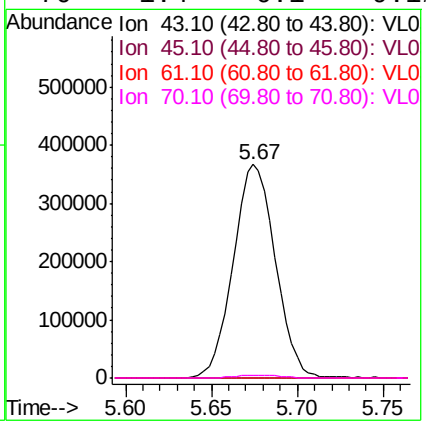


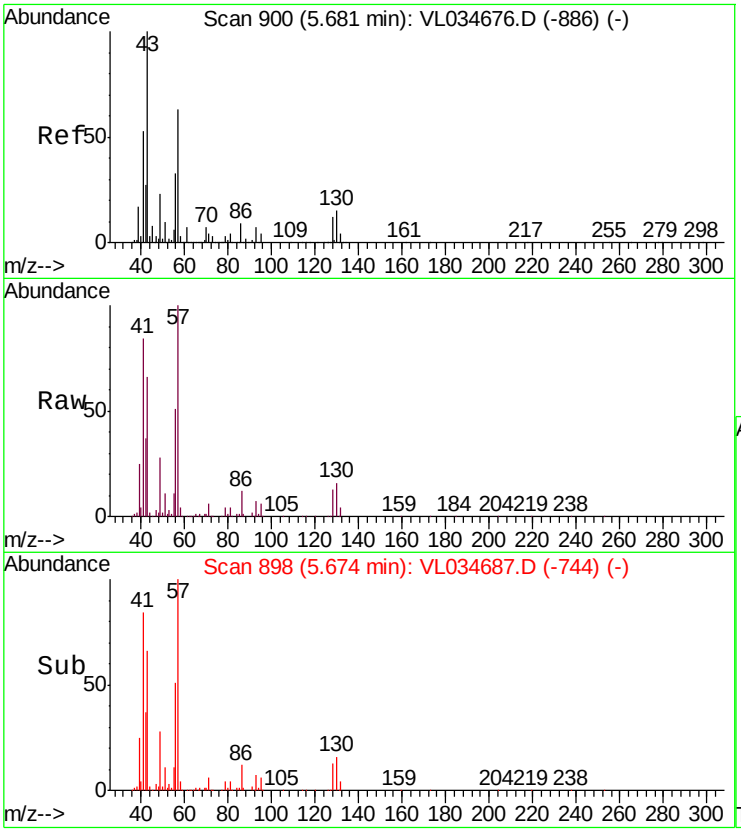


#25
Ethyl Acetate
Concen: 2.866 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 43 Resp: 623438

Ion	Ratio	Lower	Upper
43	100		
45	0.1	8.2	12.4#
61	0.0	7.8	11.6#
70	1.4	6.1	9.1#



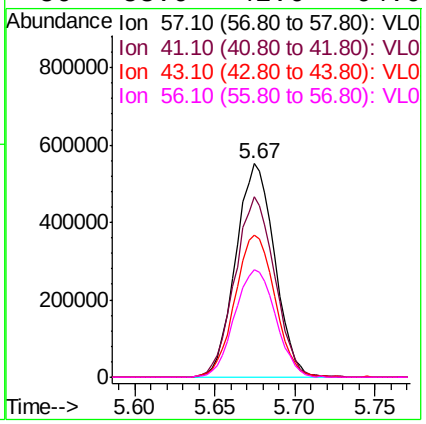


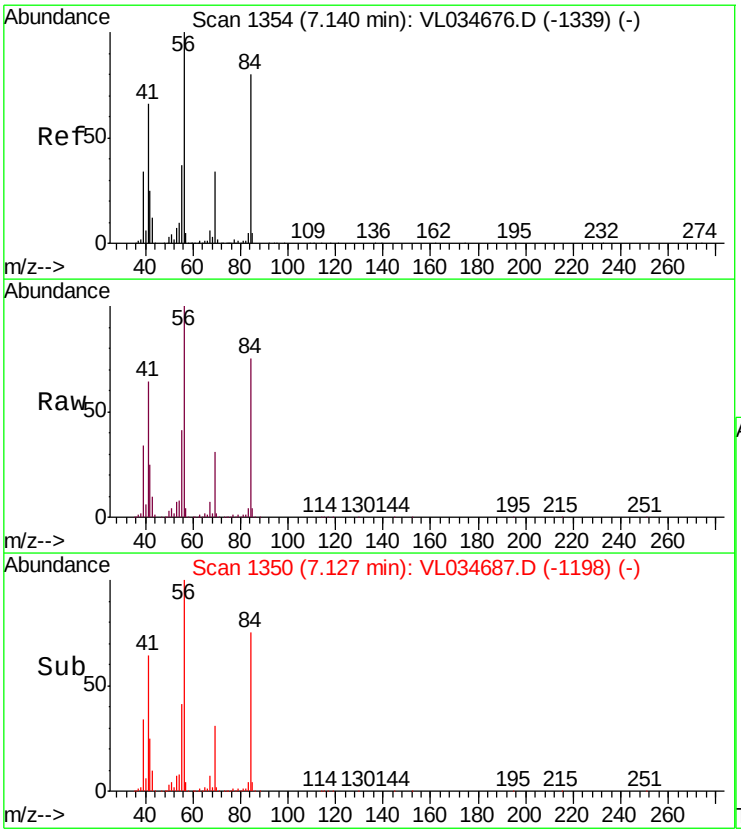
#26
Hexane
Concen: 9.091 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Tgt Ion: 57 Resp: 911325

Ion	Ratio	Lower	Upper
57	100		
41	87.1	70.3	105.5
43	68.7	177.0	265.4#
56	53.6	42.6	64.0

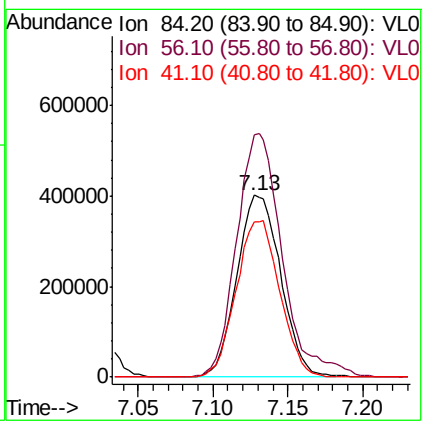


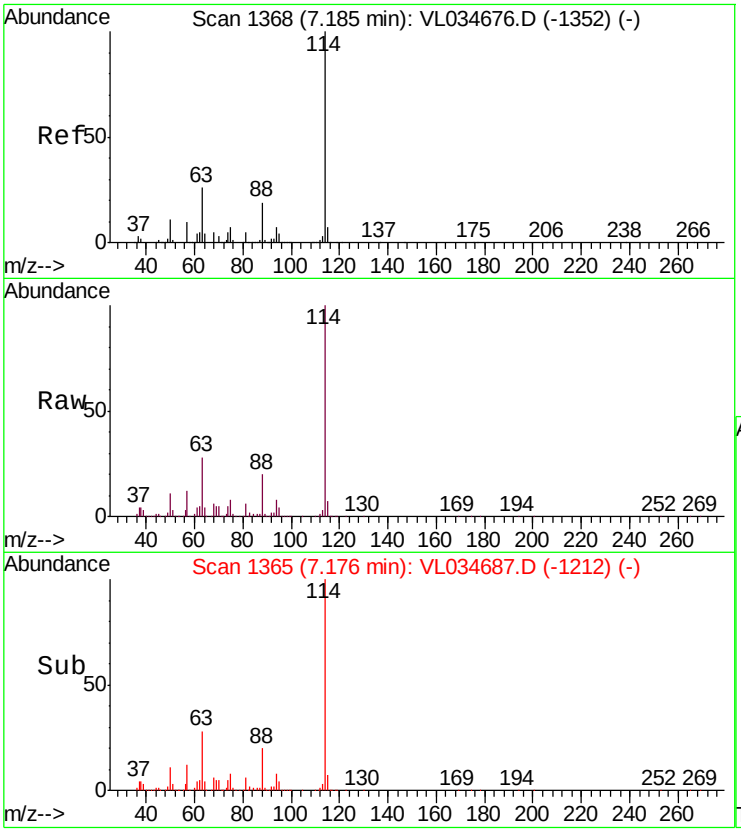


#30
Cyclohexane
Concen: 10.553 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 84 Resp: 819849

Ion	Ratio	Lower	Upper
84	100		
56	139.8	113.4	170.2
41	85.8	68.2	102.4



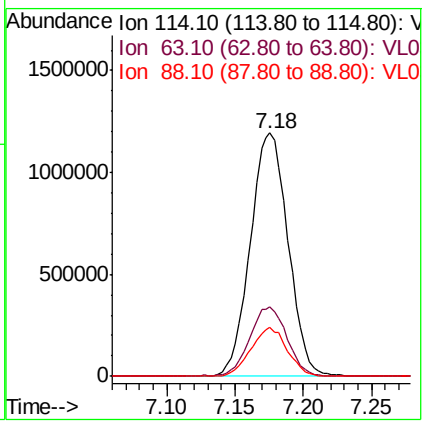


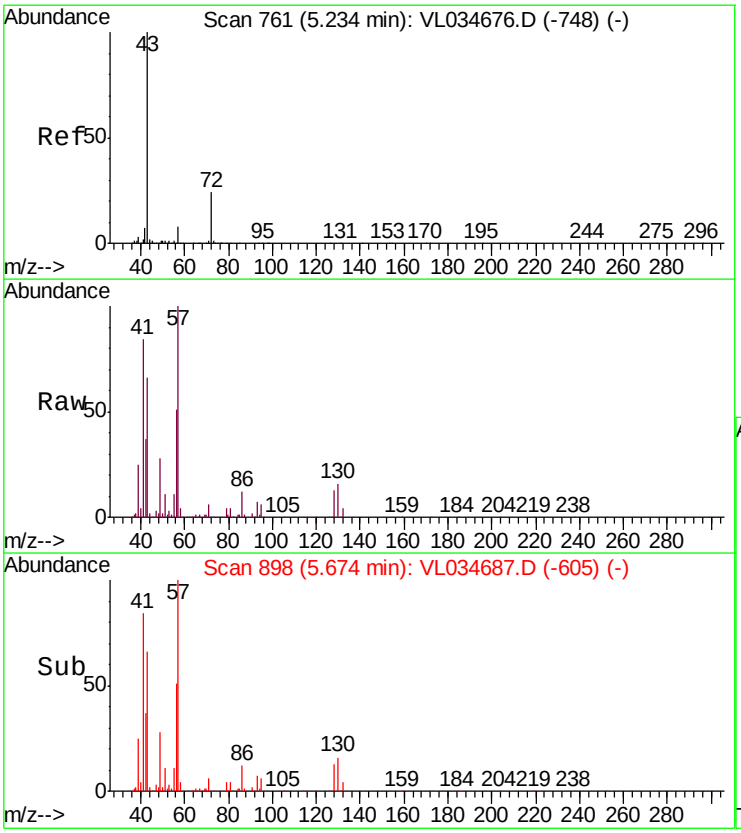
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:114 Resp: 2293107

Ion	Ratio	Lower	Upper
114	100		
63	28.6	22.9	34.3
88	19.5	15.8	23.6

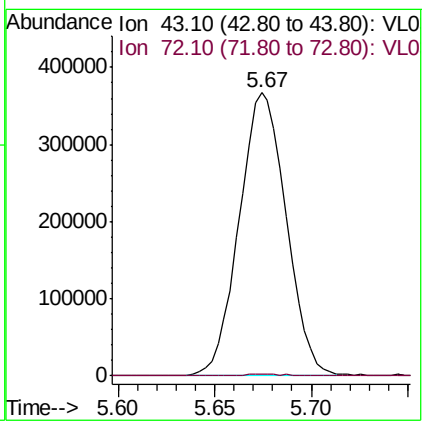


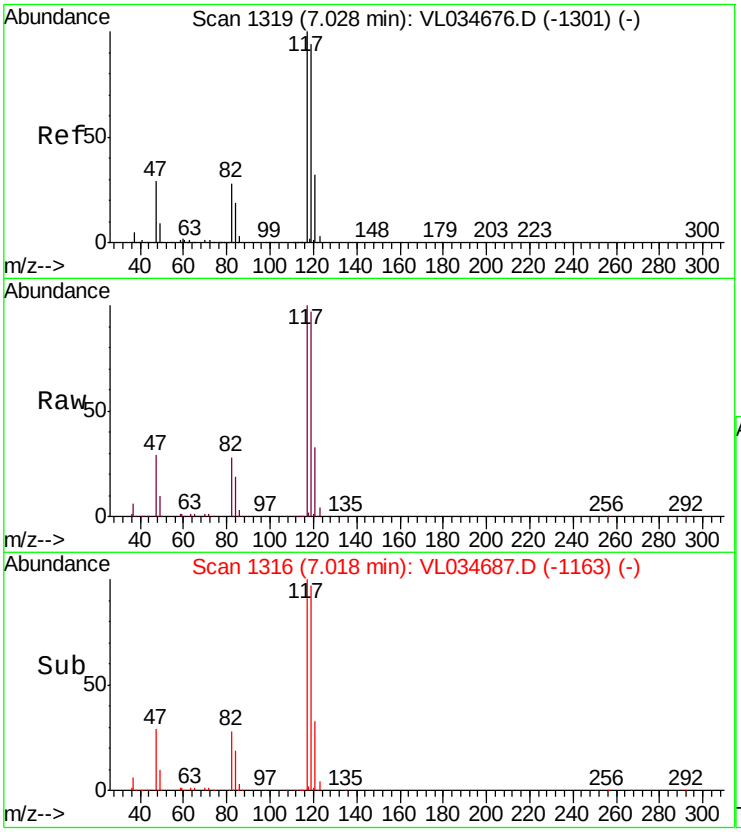


#34
2-Butanone
Concen: 4.312 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.44 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 43 Resp: 622409

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.2	27.2#



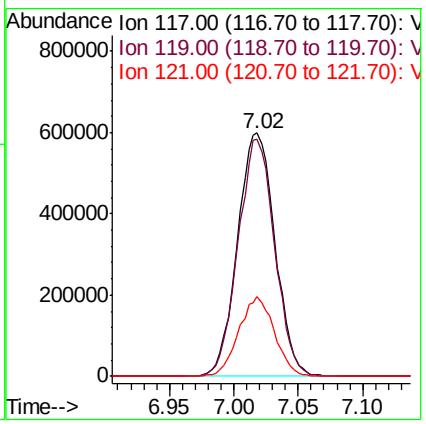


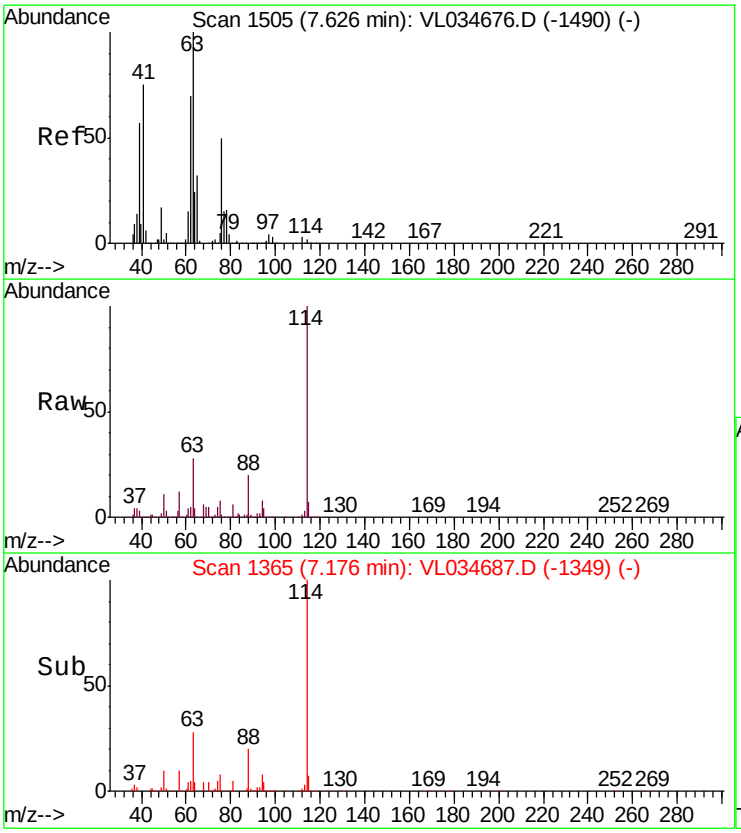
#35
Carbon Tetrachloride
Concen: 7.882 ppbv
RT: 7.02 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:117 Resp: 1210420

Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.5	113.3
121	32.6	25.4	38.0

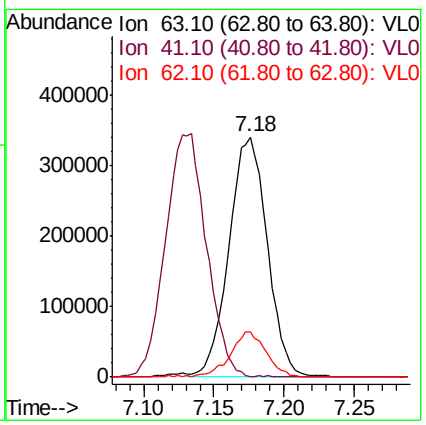


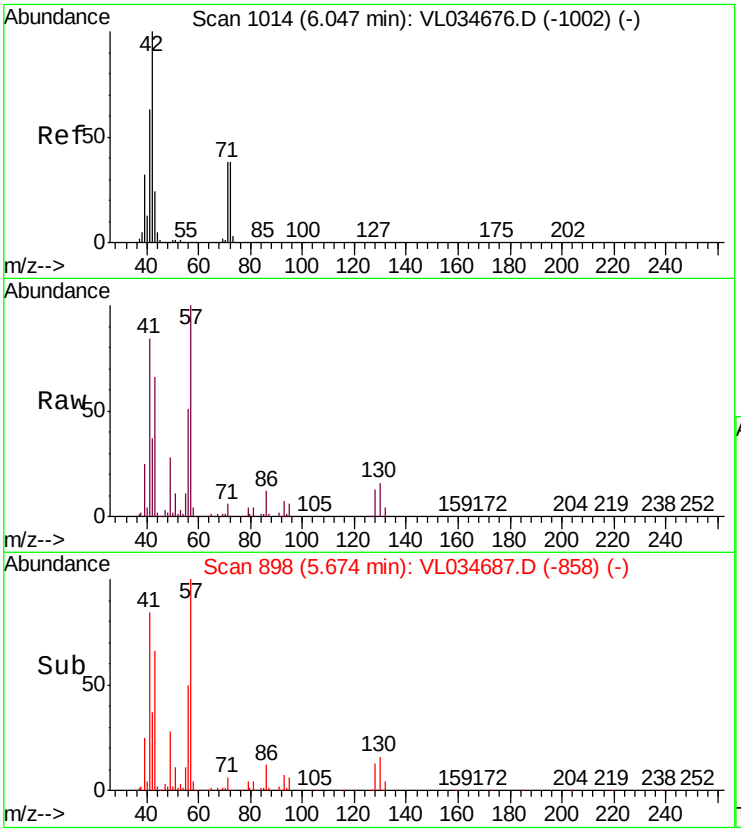


#39
1,2-Dichloropropane
Concen: 8.153 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.45 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 63 Resp: 642438

Ion	Ratio	Lower	Upper
63	100		
41	0.3	60.2	90.4#
62	18.4	56.3	84.5#



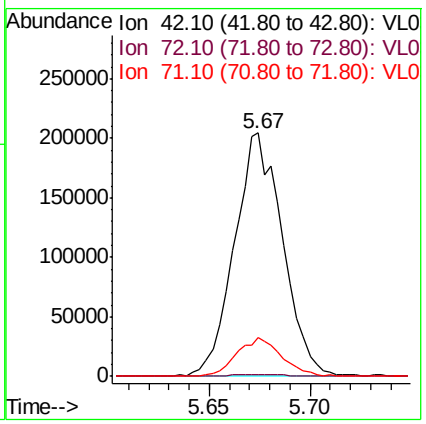


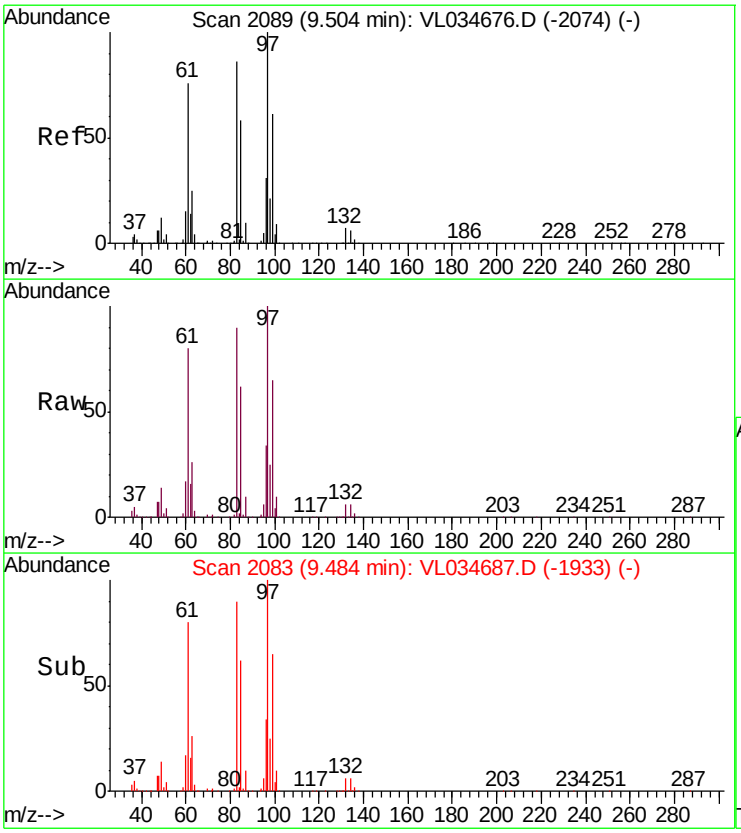
#41
Tetrahydrofuran
Concen: 4.428 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.37 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion: 42 Resp: 337318

Ion	Ratio	Lower	Upper
42	100		
72	0.9	31.7	47.5#
71	15.2	30.7	46.1#

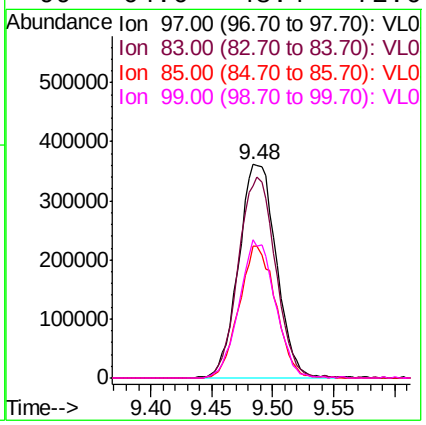


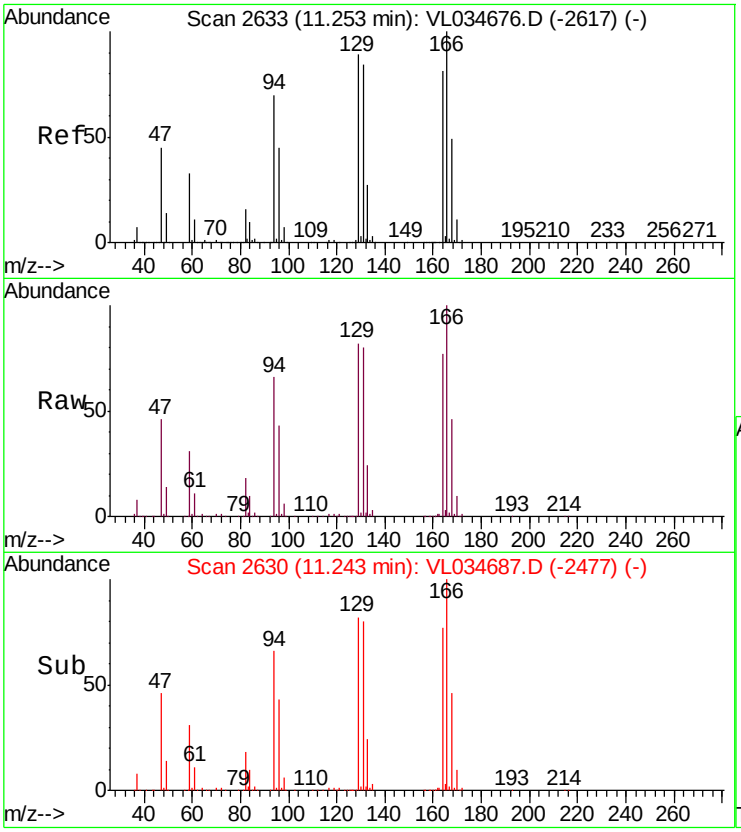


#47
1,1,2-Trichloroethane
Concen: 9.516 ppbv
RT: 9.48 min Scan# 2083
Delta R.T. -0.02 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 97 Resp: 769235

Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	62.0	46.4	69.6
99	64.6	48.4	72.6



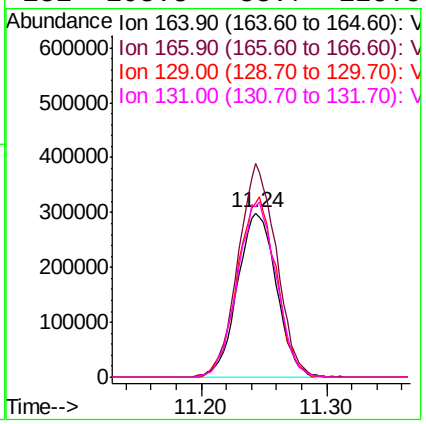


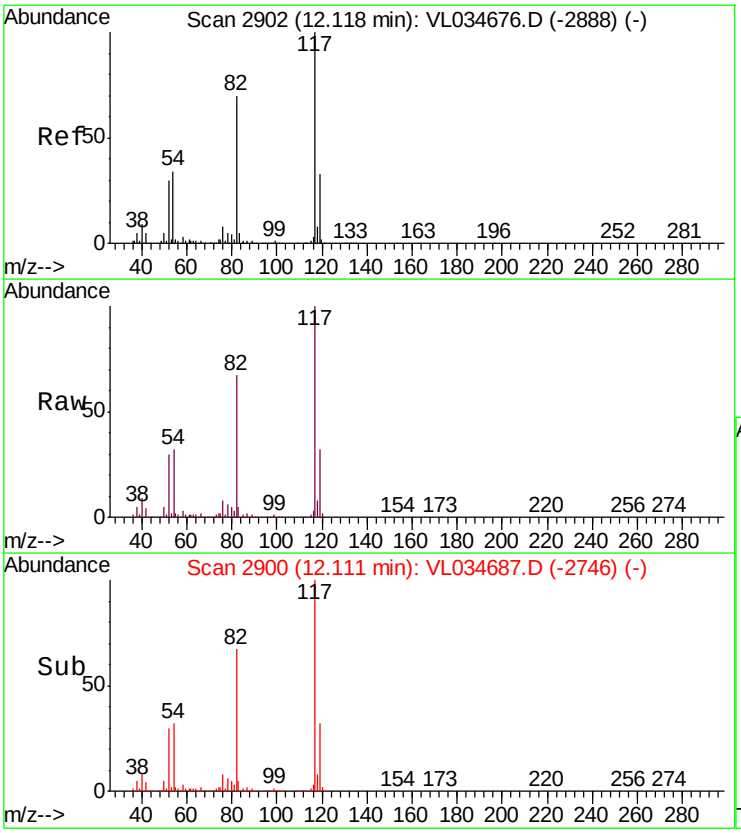
#52
Tetrachloroethene
Concen: 8.889 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:164 Resp: 645301

Ion	Ratio	Lower	Upper
164	100		
166	130.0	99.2	148.8
129	106.1	88.0	132.0
131	103.8	83.7	125.5

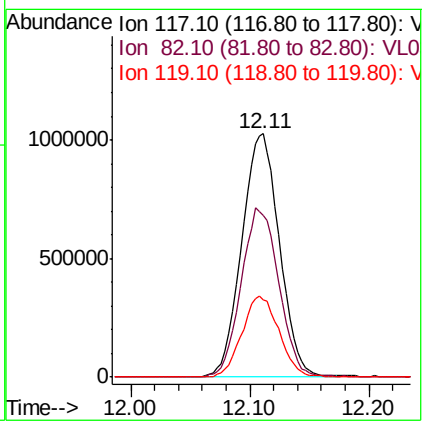


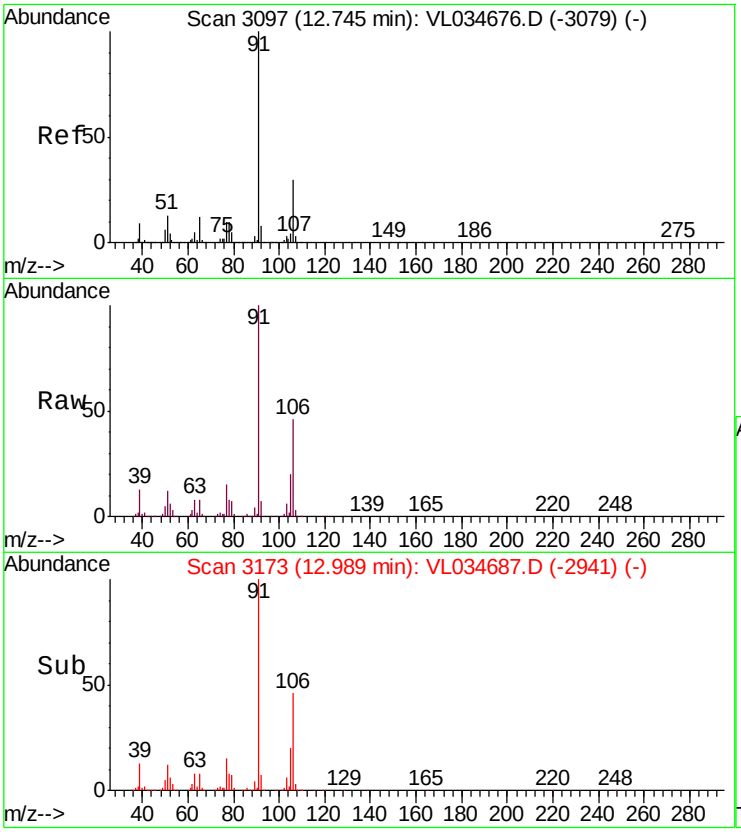


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion:117 Resp: 2243058

Ion	Ratio	Lower	Upper
117	100		
82	70.2	54.1	81.1
119	33.0	27.6	41.4



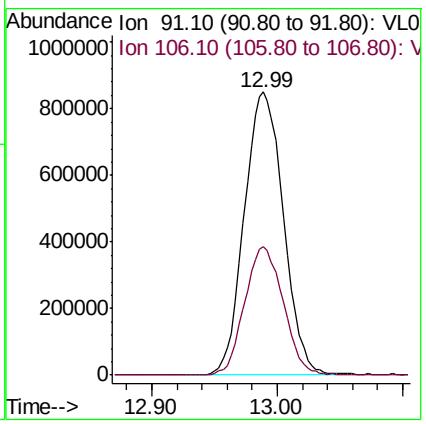


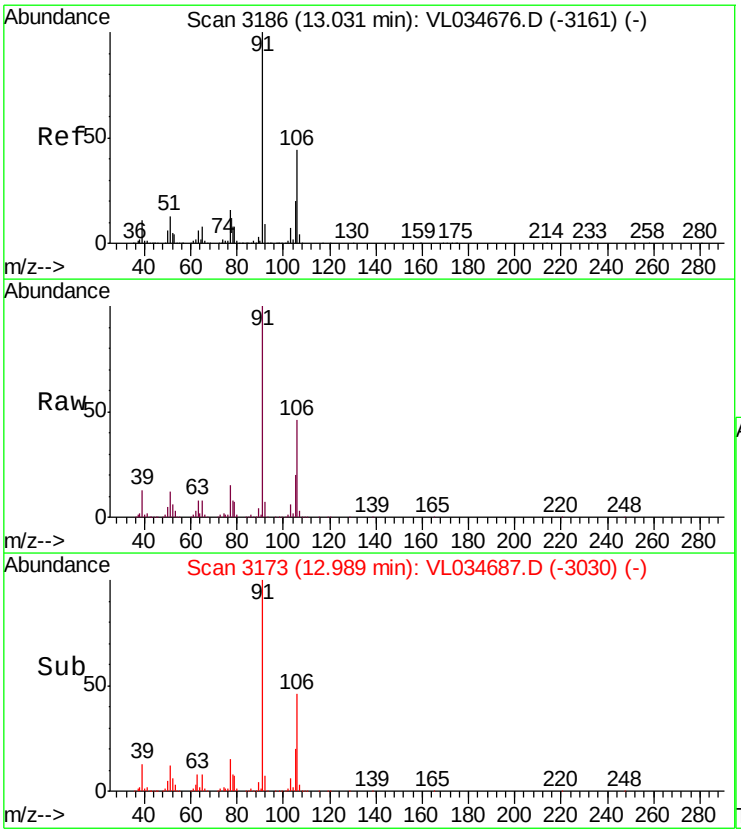
#58
Ethyl Benzene
Concen: 6.797 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. 0.24 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument : MSVOA_L
ClientSampleId : E051-1100DL

Tgt Ion: 91 Resp: 1844543

Ion	Ratio	Lower	Upper
91	100		
106	45.5	24.0	36.0#

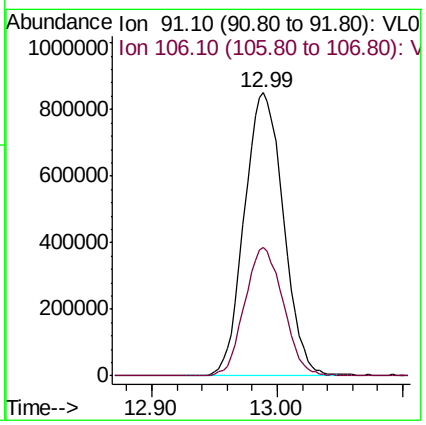


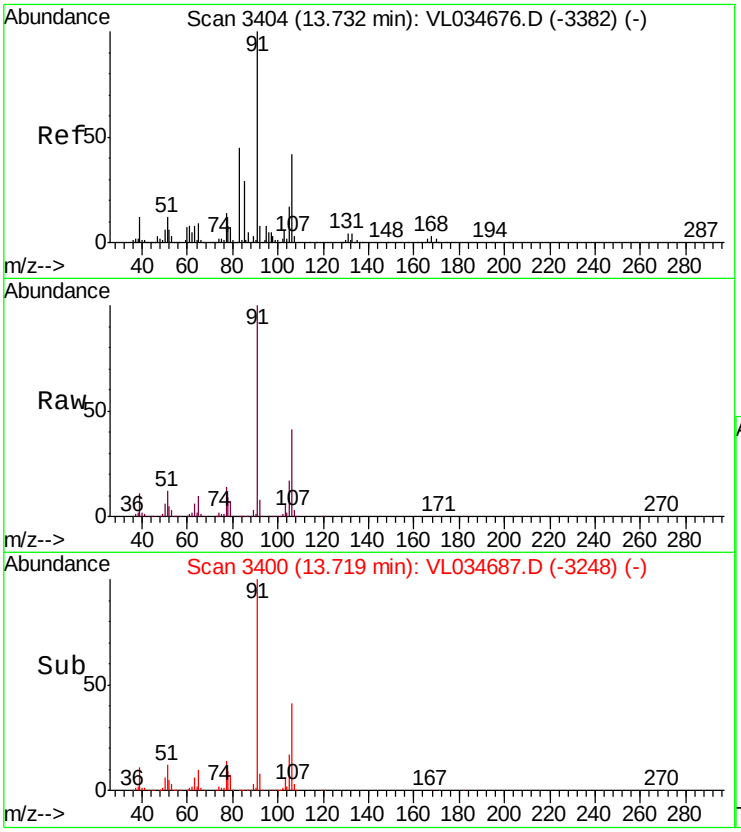


#59
m/p-Xylene
Concen: 7.793 ppbv
RT: 12.99 min Scan# 3173
Delta R.T. -0.04 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 91 Resp: 1844543

Ion	Ratio	Lower	Upper
91	100		
106	45.2	35.6	53.4



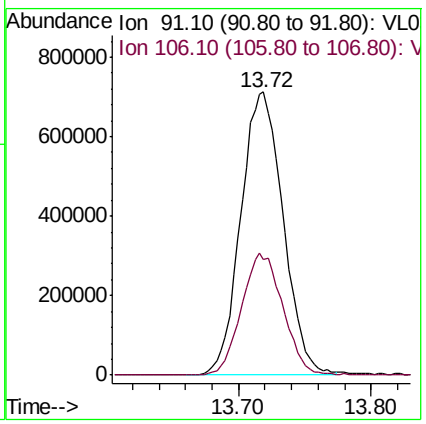


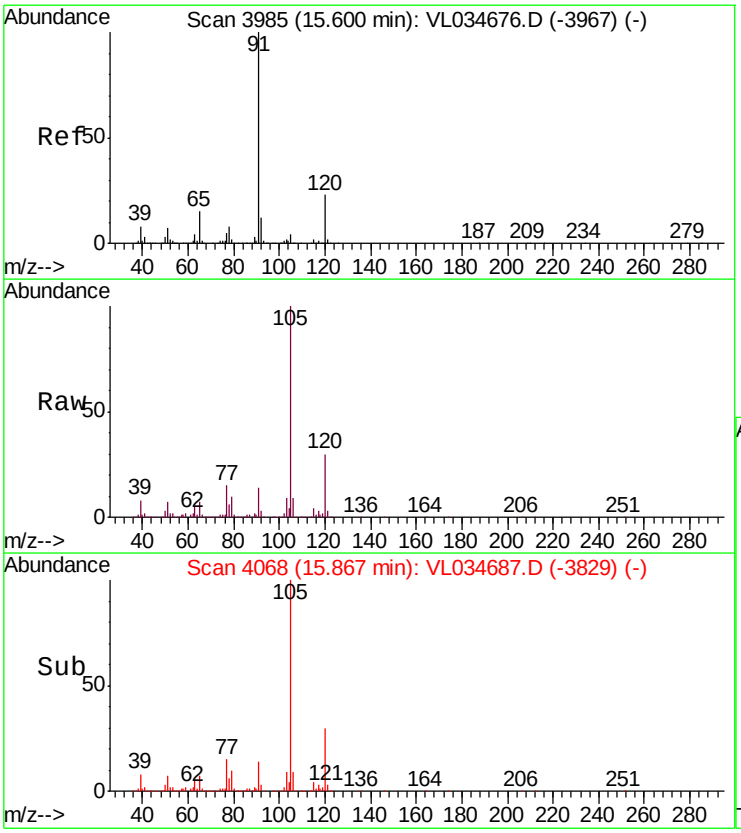
#60
o-Xylene
Concen: 6.706 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion: 91 Resp: 1575028

Ion	Ratio	Lower	Upper
91	100		
106	42.4	21.9	65.5

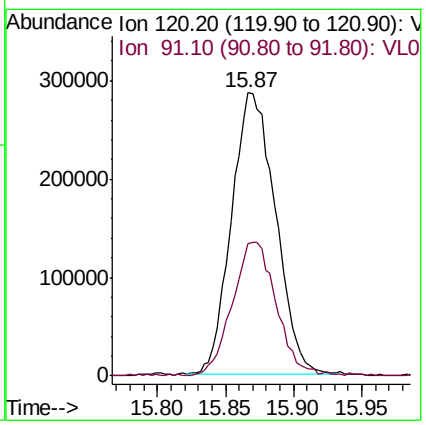


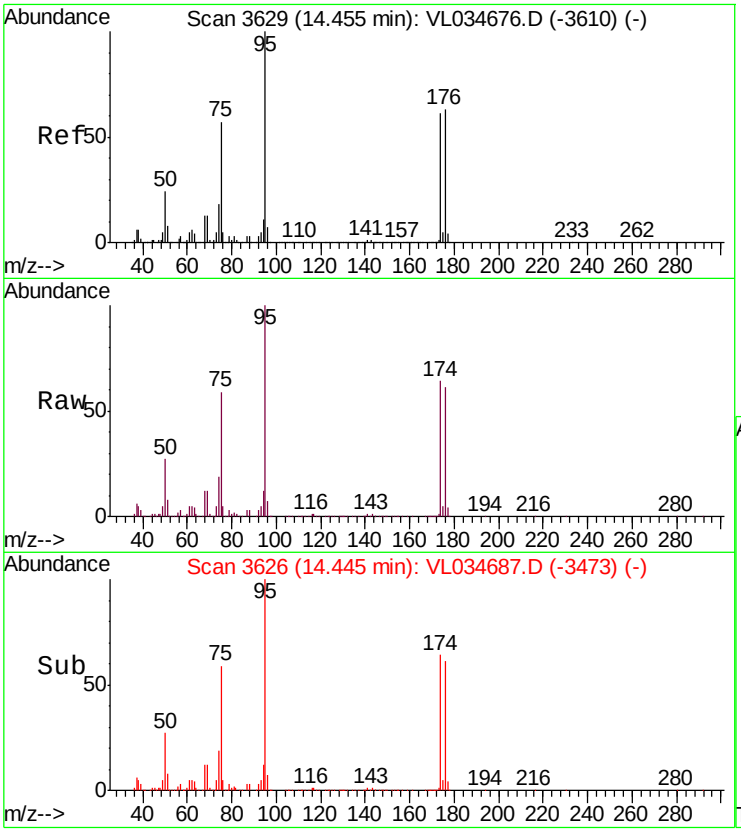


#64
n-propylbenzene
Concen: 7.216 ppbv
RT: 15.87 min Scan# 4068
Delta R.T. 0.27 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion:120 Resp: 637400

Ion	Ratio	Lower	Upper
120	100		
91	48.5	369.8	554.8#



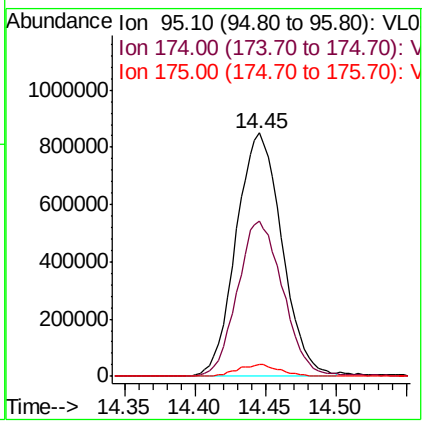


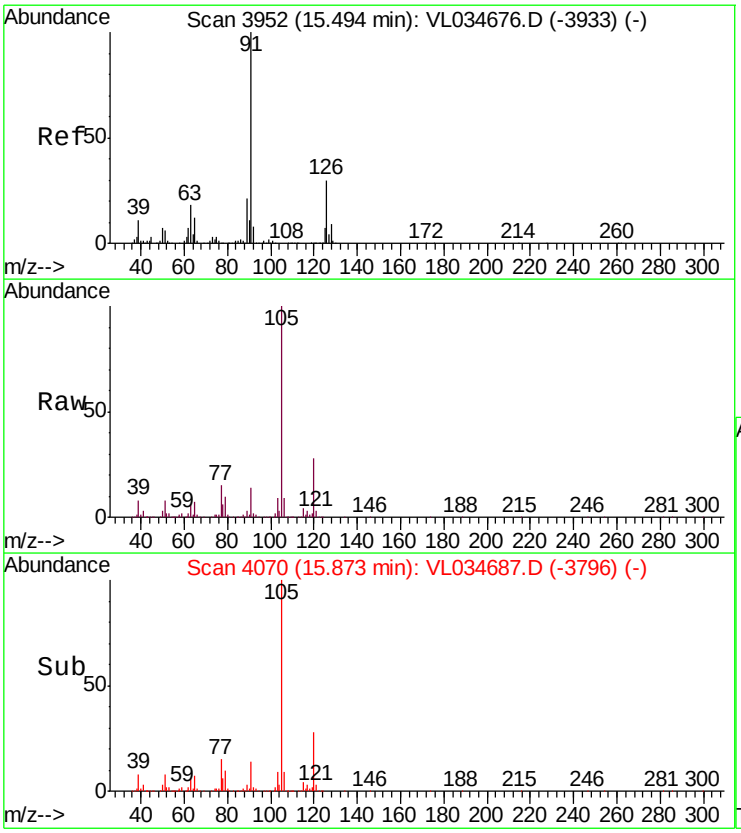
#68
1-Bromo-4-Fluorobenzene
Concen: 10.473 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion: 95 Resp: 1926272

Ion	Ratio	Lower	Upper
95	100		
174	64.4	50.7	76.1
175	4.6	3.9	5.9

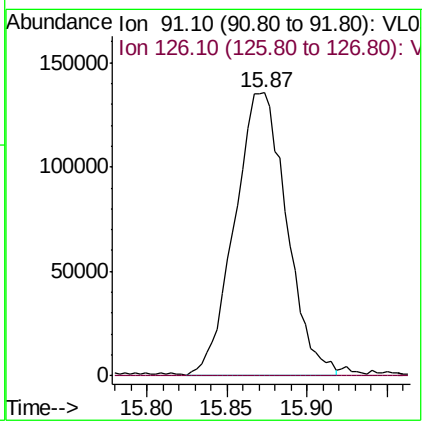


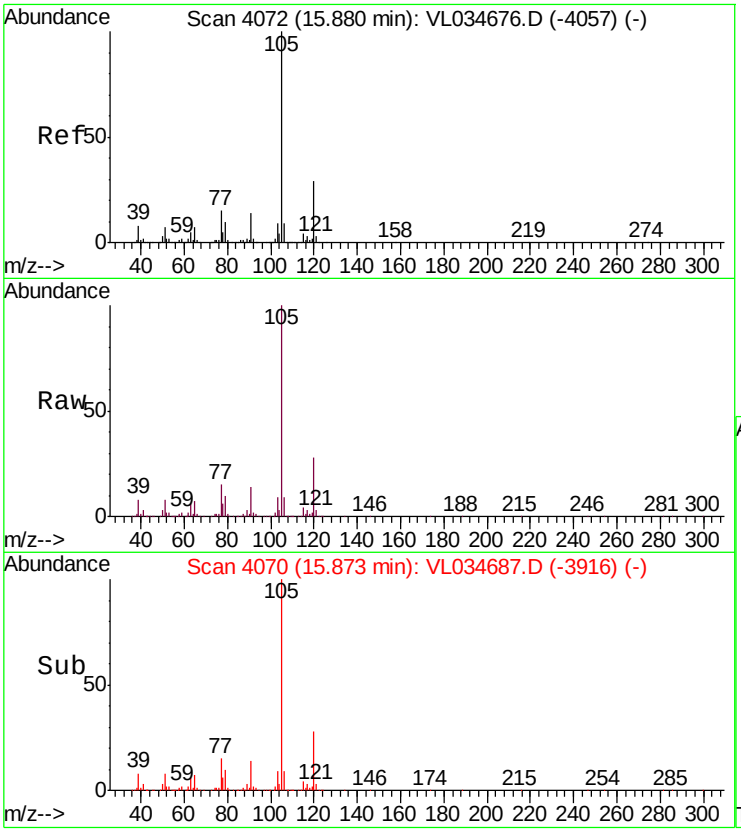


#71
2-Chlorotoluene
Concen: 1.138 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. 0.38 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion: 91 Resp: 301944

Ion	Ratio	Lower	Upper
91	100		
126	0.0	11.8	47.2#



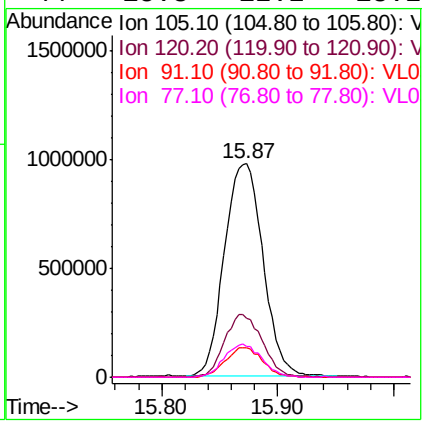


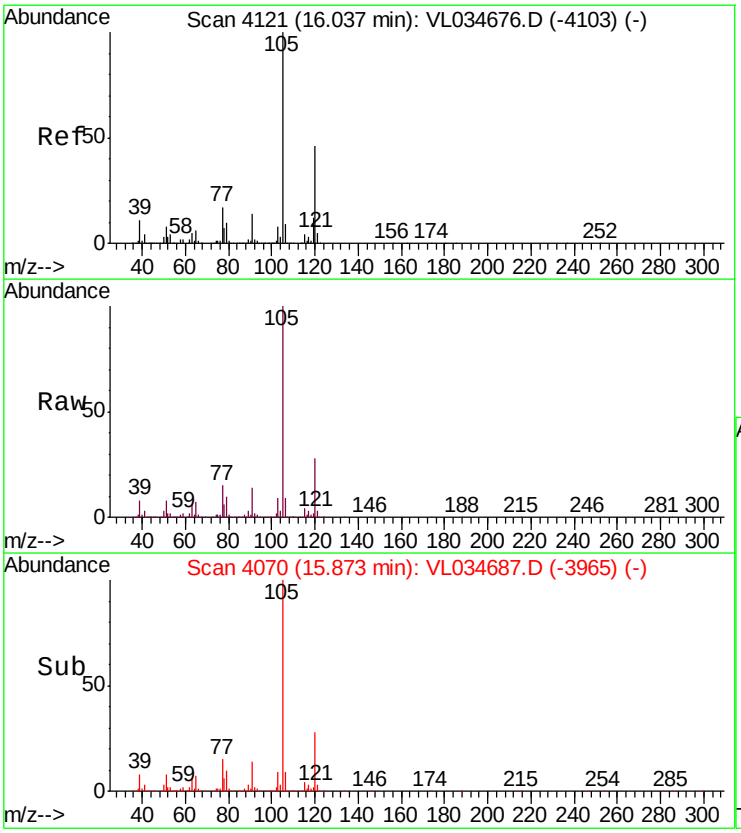
#72
4-Ethyltoluene
Concen: 8.661 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:105 Resp: 2264235

Ion	Ratio	Lower	Upper
105	100		
120	29.2	23.7	35.5
91	13.6	10.9	16.3
77	15.3	12.2	18.2

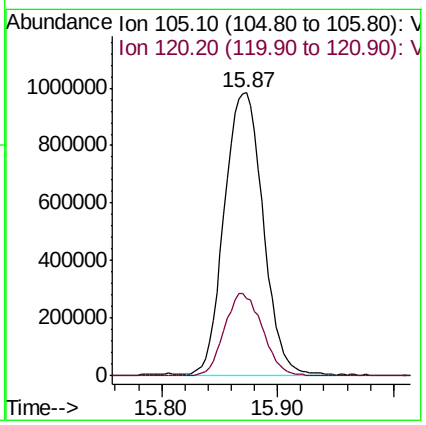


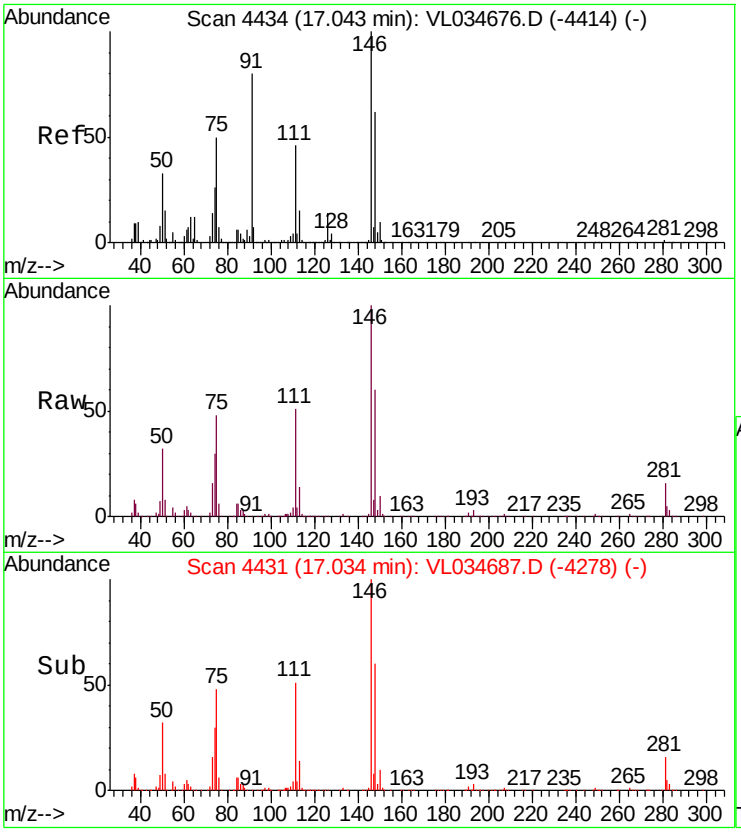


#73
1,3,5-Trimethylbenzene
Concen: 9.003 ppbv
RT: 15.87 min Scan# 4070
Delta R.T. -0.16 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion:105 Resp: 2264235

Ion	Ratio	Lower	Upper
105	100		
120	27.4	37.1	55.7#



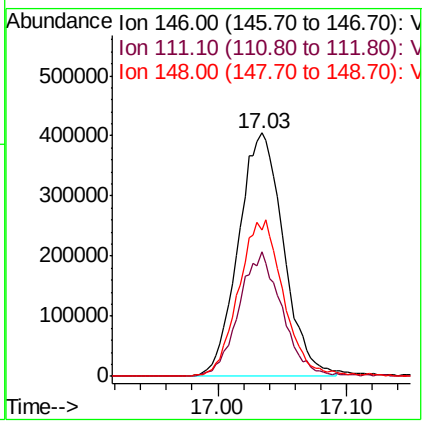


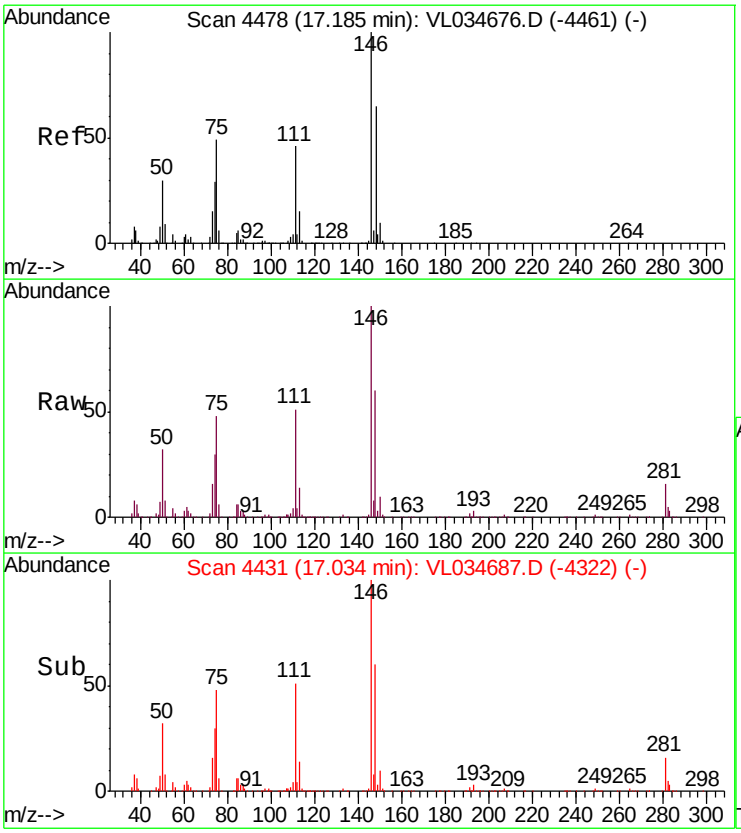
#75
1,3-Dichlorobenzene
Concen: 6.166 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.01 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:146 Resp: 988544

Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.4	73.2
148	64.0	32.5	97.4

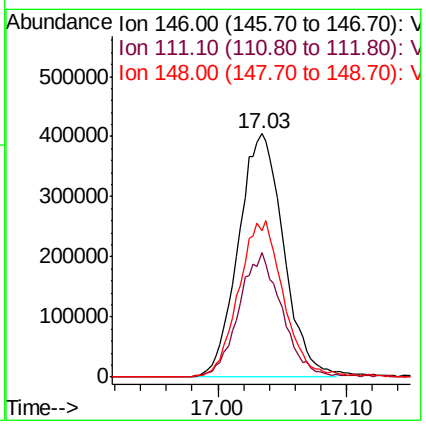


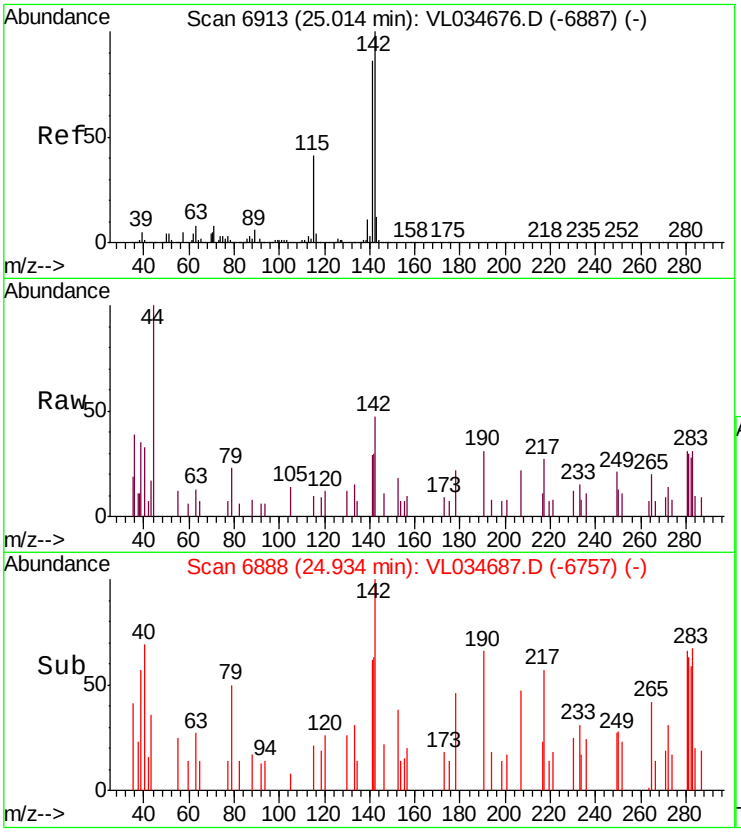


#76
1,4-Dichlorobenzene
Concen: 6.163 ppbv
RT: 17.03 min Scan# 4431
Delta R.T. -0.15 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Tgt Ion:146 Resp: 988544

Ion	Ratio	Lower	Upper
146	100		
111	48.6	23.4	70.0
148	64.3	31.9	95.5





#80
Naphthalene,2-methyl-
Concen: 0.053 ppbv
RT: 24.93 min Scan# 6888
Delta R.T. -0.08 min
Lab File: VL034687.D
Acq: 26 Feb 2020 10:49

Instrument :
MSVOA_L
ClientSampleId :
E051-1100DL

Tgt Ion:142 Resp: 3971

Ion	Ratio	Lower	Upper
142	100		
141	86.3	66.5	99.7
115	33.5	30.6	46.0