Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034440.D
Acq On : 2 Dec 2019 23:59
Operator : SY/AP
Sample : K6097-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Quant Time: Dec 03 02:53:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	738429	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.21	114	1465174	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.15	117	1403519	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.48	95	1219112	10.32	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.03	85	90433	0.677	ppbv		98
3) Chlorodifluoromethane	2.96	51	40479	0.439	ppbv		95
4) Chloromethane	3.12	50	24863	0.458	ppbv		99
9) Propene	2.99	41	30500	0.746	ppbv		88
11) Trichlorofluoromethane	3.94	101	35658	0.268	ppbv	#	82
13) Ethanol	3.60	45	119165	10.458	ppbv		92
15) Acetone	3.85	43	213184	2.016	ppbv		92
19) Isopropyl Alcohol	3.99	45	8045	0.119	ppbv	#	96
20) Methylene Chloride	4.35	84	92922	2.478	ppbv		85
23) Vinyl Acetate	5.07	43	8834	0.064	ppbv	#	1
25) Ethyl Acetate	5.71	43	70657	0.374	ppbv	#	81
26) Hexane	5.71	57	93935	1.159	ppbv	#	38
30) Cyclohexane	7.16	84	2440	0.040	ppbv	#	1
34) 2-Butanone	5.27	43	7977	0.066	ppbv	#	87
35) Carbon Tetrachloride	7.04	117	5519	0.044	ppbv	#	75
36) Benzene	6.92	78	38050	0.260	ppbv	#	90
38) Trichloroethene	7.88	130	1948	0.032	ppbv	#	48
39) 1,2-Dichloropropane	7.21	63	435357	7.716	ppbv	#	23
44) 2,2,4-Trimethylpentane	7.91	57	16594	0.062	ppbv	#	2
53) Toluene	9.86	91	205591	1.236	ppbv		97
58) Ethyl Benzene	12.77	91	16121	0.074	ppbv		97
59) m/p-Xylene	13.06	91	11021	0.059	ppbv	#	33
60) o-Xylene	13.76	91	6660	0.036	ppbv	#	35

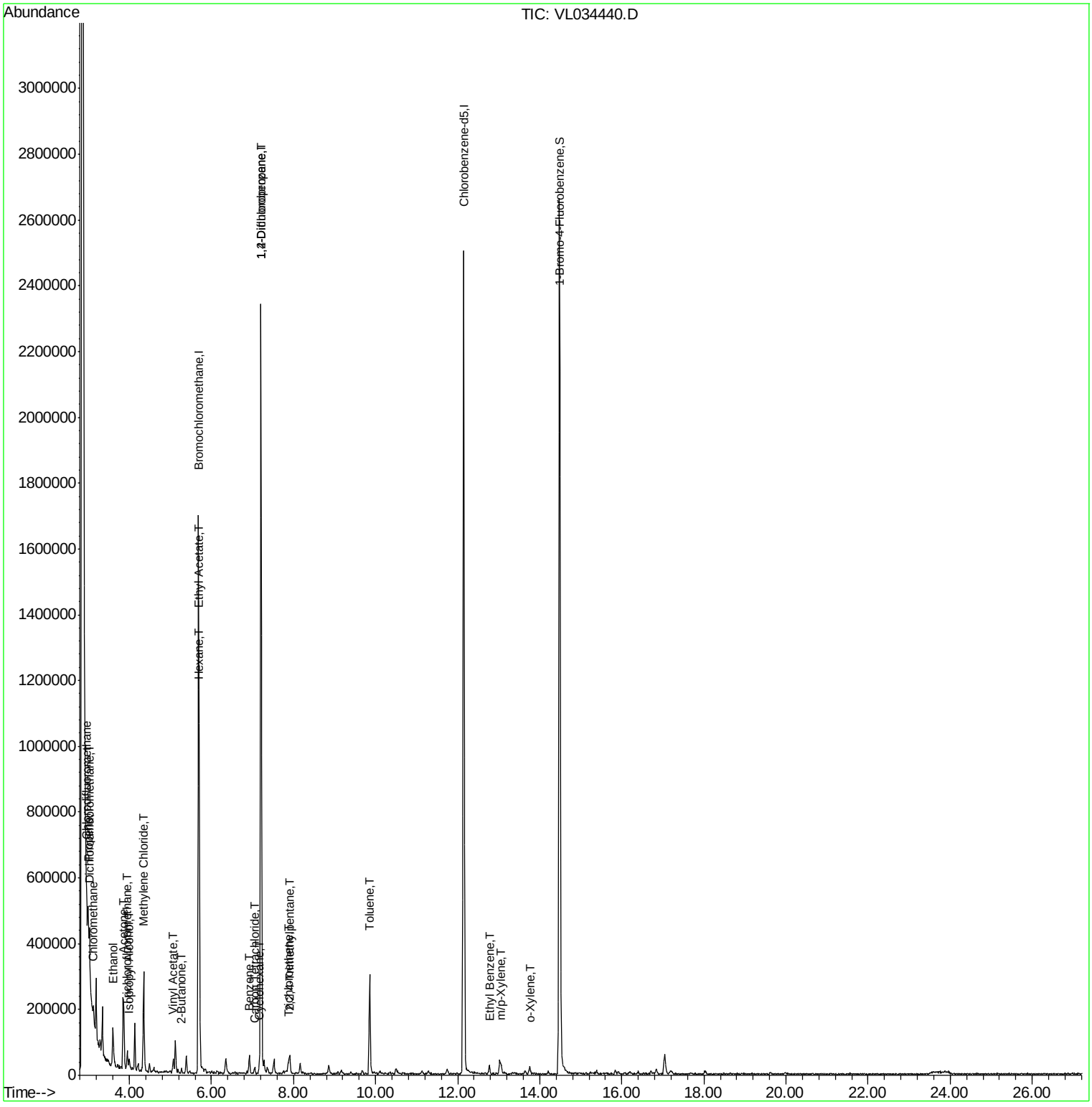
(#) = qualifier out of range (m) = manual integration (+) = signals summed

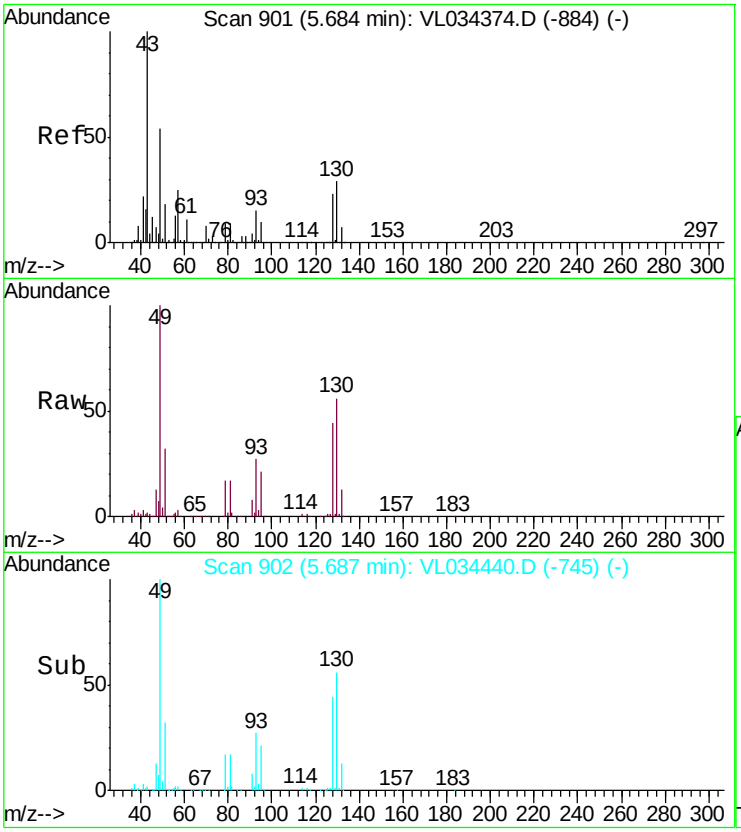
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120219\
Data File : VL034440.D
Acq On : 2 Dec 2019 23:59
Operator : SY/AP
Sample : K6097-05DUP
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Quant Time: Dec 03 02:53:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov 19 14:15:35 2019
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration



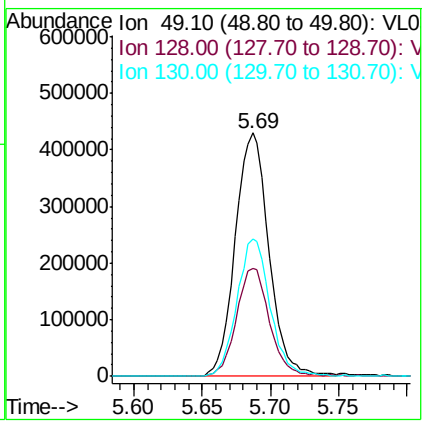


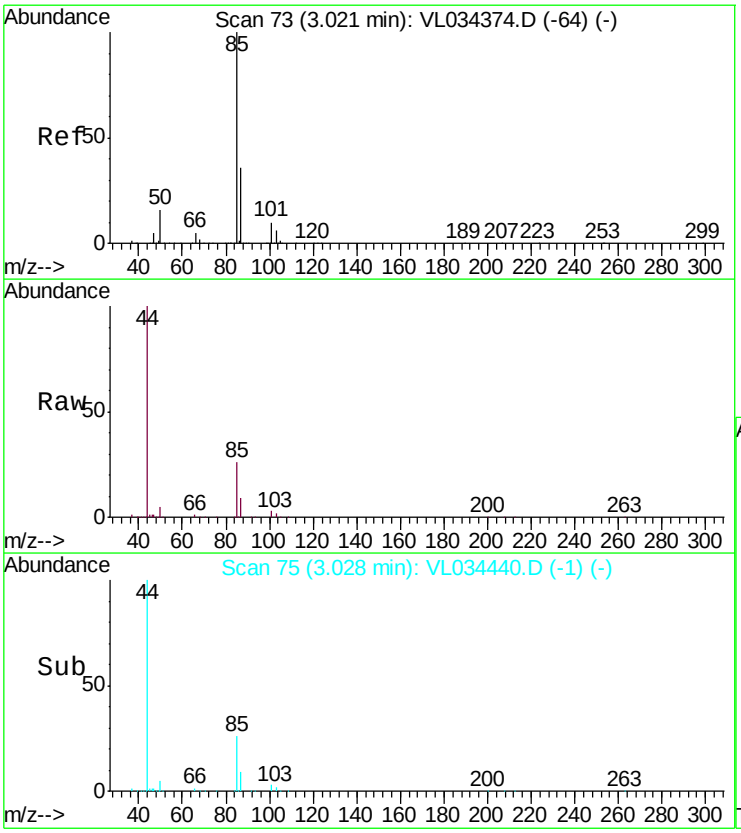
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 49 Resp: 738429

Ion	Ratio	Lower	Upper
49	100		
128	44.0	21.8	65.3
130	55.8	28.0	84.0

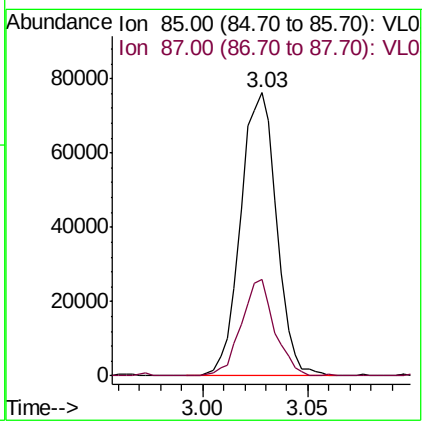


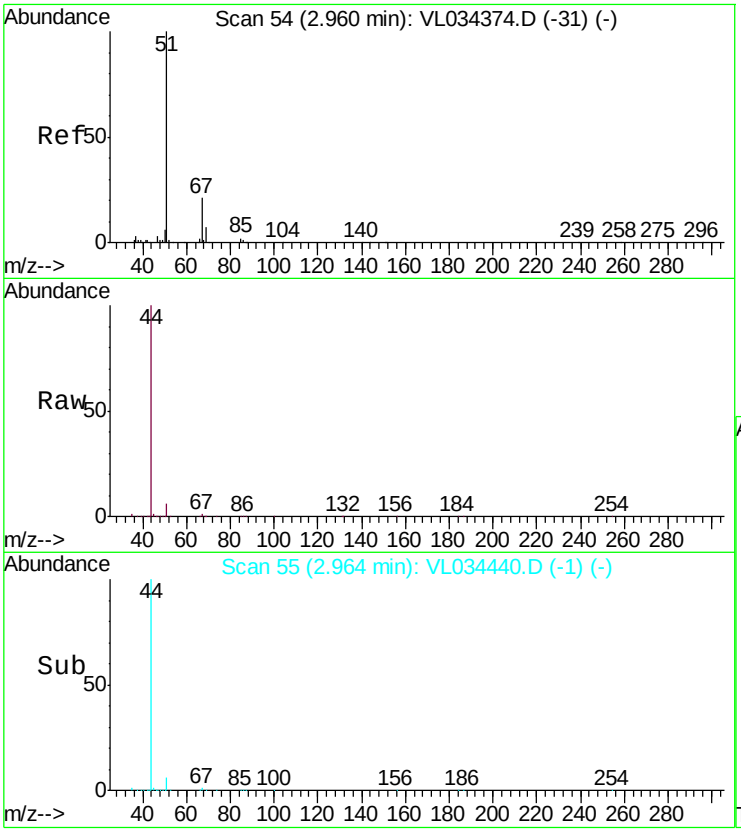


#2
Dichlorodifluoromethane
Concen: 0.677 ppbv
RT: 3.03 min Scan# 75
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 85 Resp: 90433

Ion	Ratio	Lower	Upper
85	100		
87	34.3	28.5	42.7



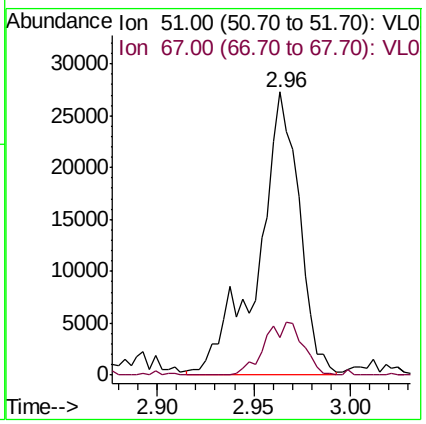


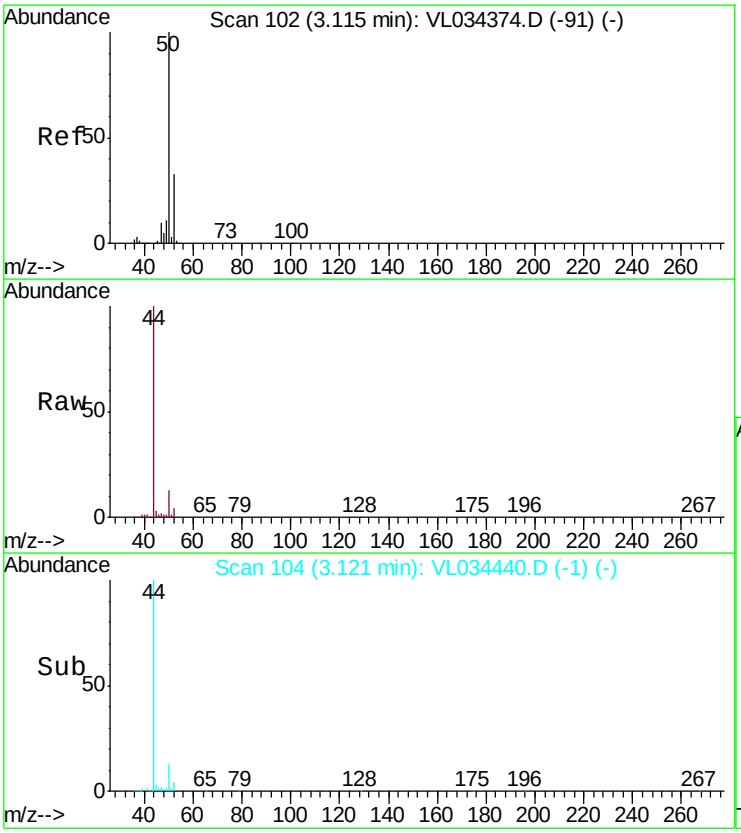
#3
Chlorodifluoromethane
Concen: 0.439 ppbv
RT: 2.96 min Scan# 55
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion: 51 Resp: 40479

Ion	Ratio	Lower	Upper
51	100		
67	17.8	16.2	24.2

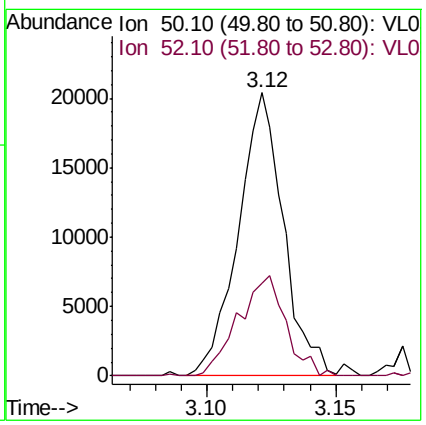


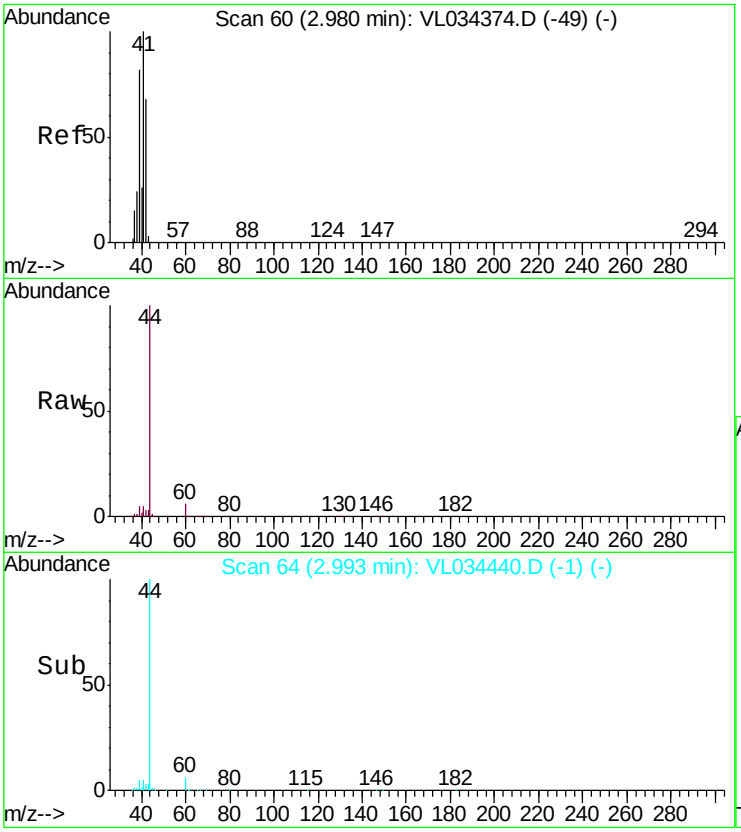


#4
Chloromethane
Concen: 0.458 ppbv
RT: 3.12 min Scan# 104
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 50 Resp: 24863

Ion	Ratio	Lower	Upper
50	100		
52	32.9	26.8	40.2



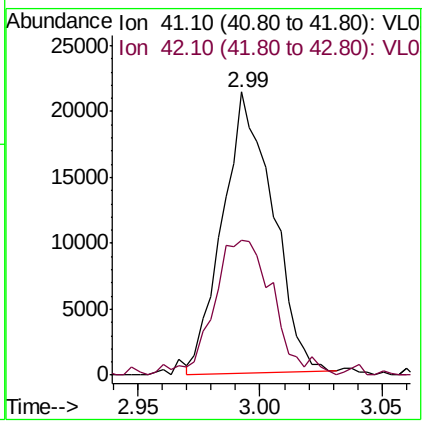


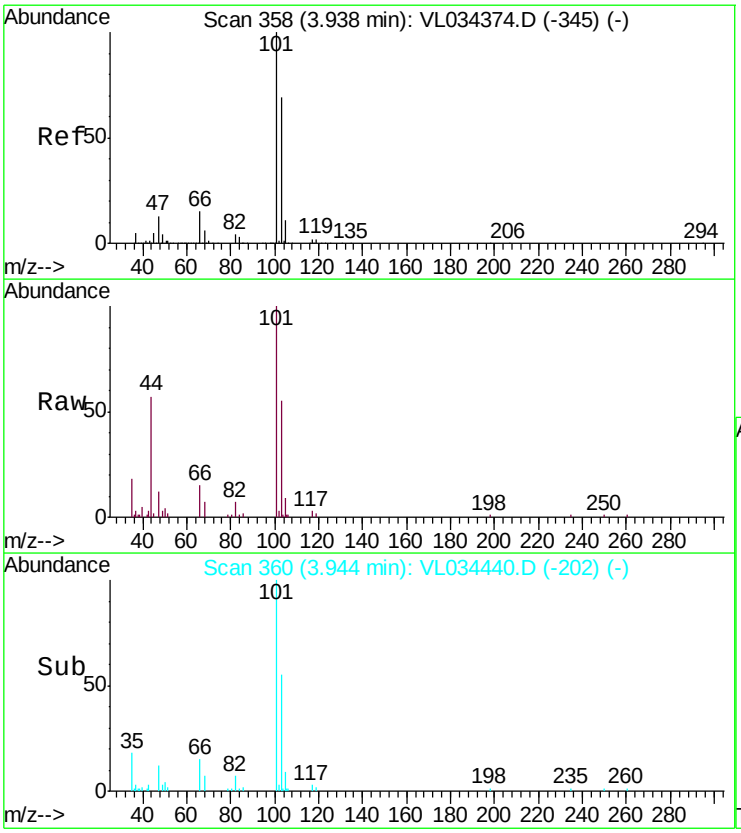
#9
Propene
Concen: 0.746 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 41 Resp: 30500

Ion	Ratio	Lower	Upper
41	100		
42	58.2	54.6	82.0

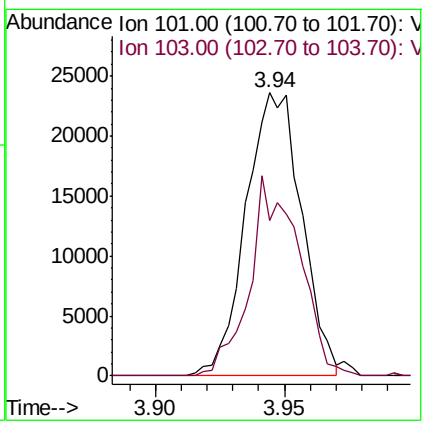


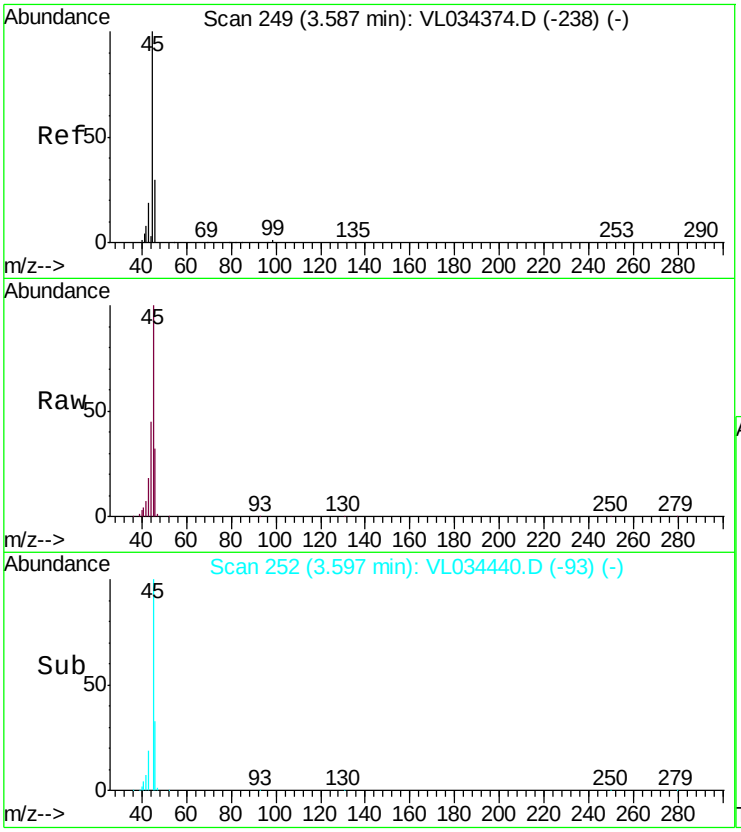


#11
Trichlorofluoromethane
Concen: 0.268 ppbv
RT: 3.94 min Scan# 360
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion:101 Resp: 35658

Ion	Ratio	Lower	Upper
101	100		
103	54.8	55.4	83.0#



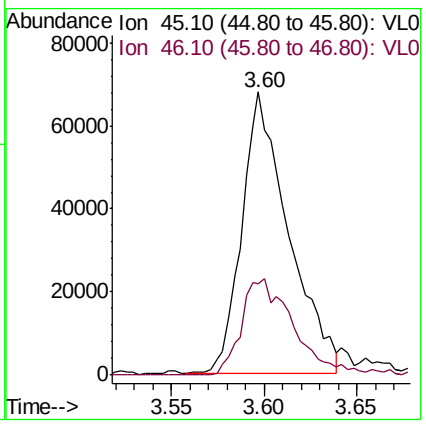


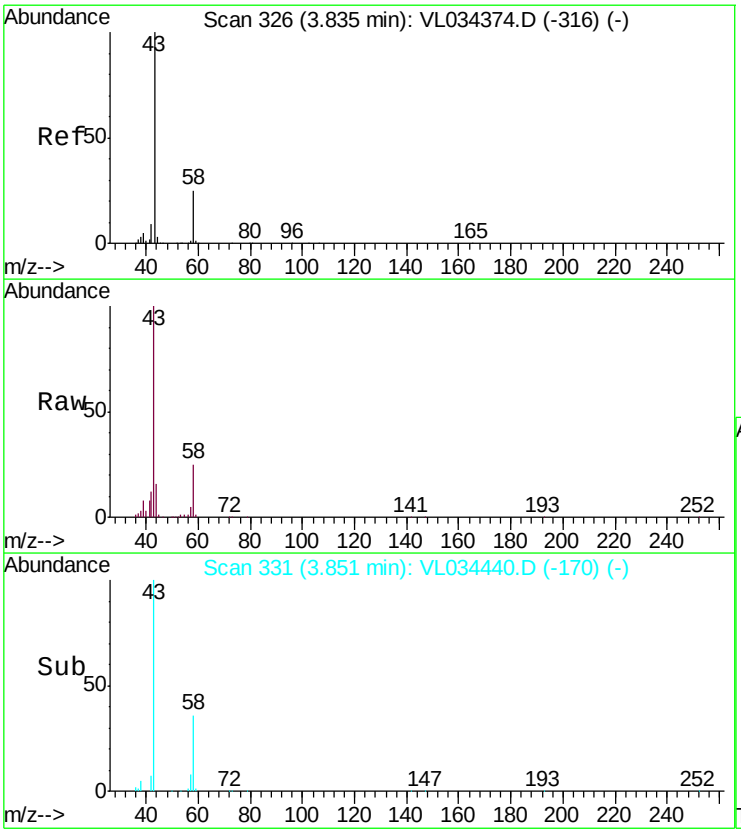
#13
Ethanol
Concen: 10.458 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 45 Resp: 119165

Ion	Ratio	Lower	Upper
45	100		
46	39.4	13.8	55.4

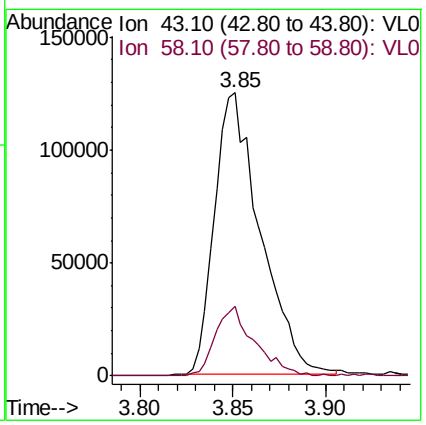


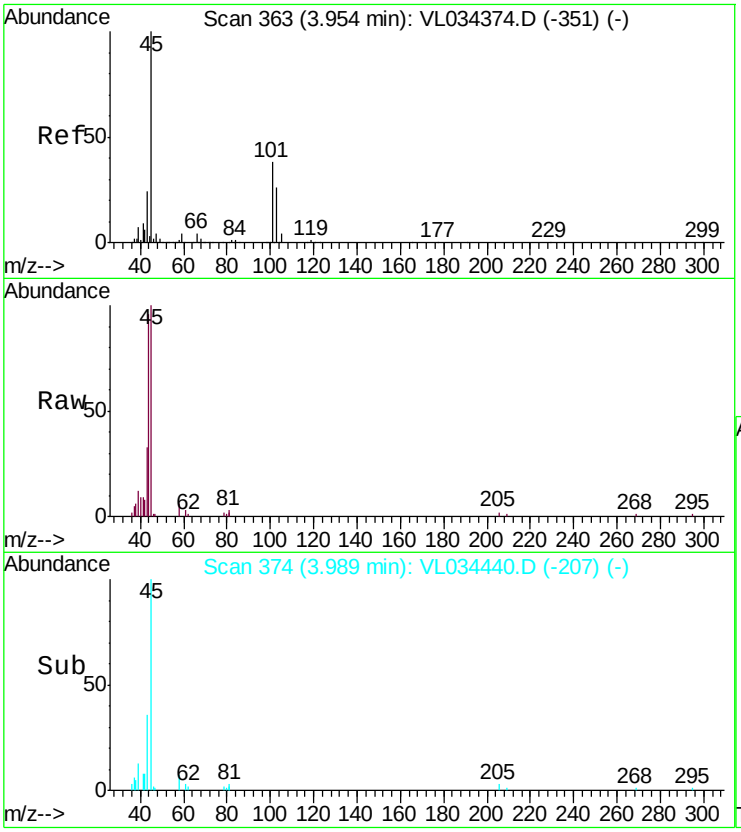


#15
Acetone
Concen: 2.016 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 43 Resp: 213184

Ion	Ratio	Lower	Upper
43	100		
58	21.4	20.2	30.4



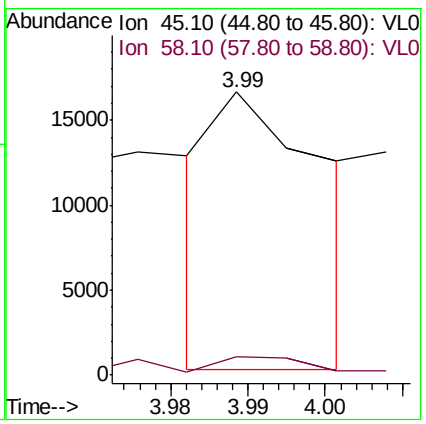


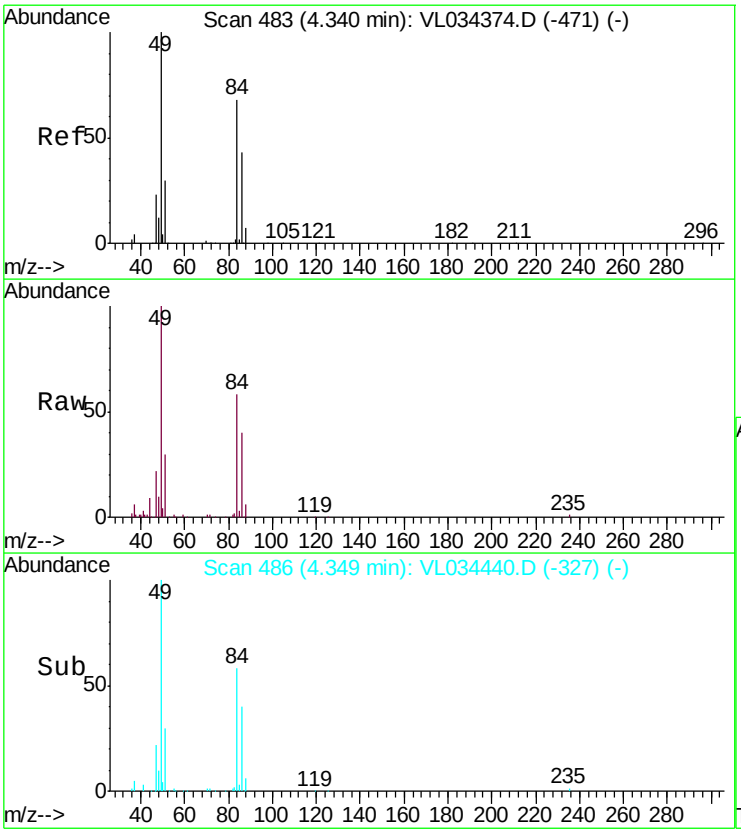
#19
Isopropyl Alcohol
Concen: 0.119 ppbv
RT: 3.99 min Scan# 374
Delta R.T. 0.04 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion: 45 Resp: 8045

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.3	1.9#

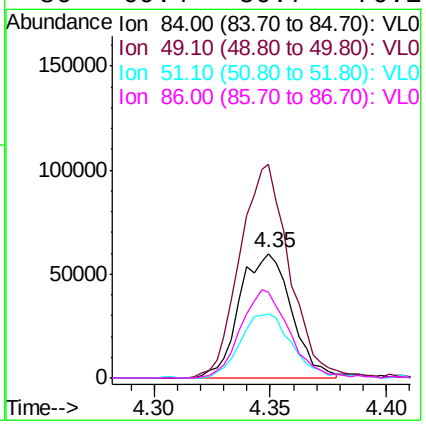


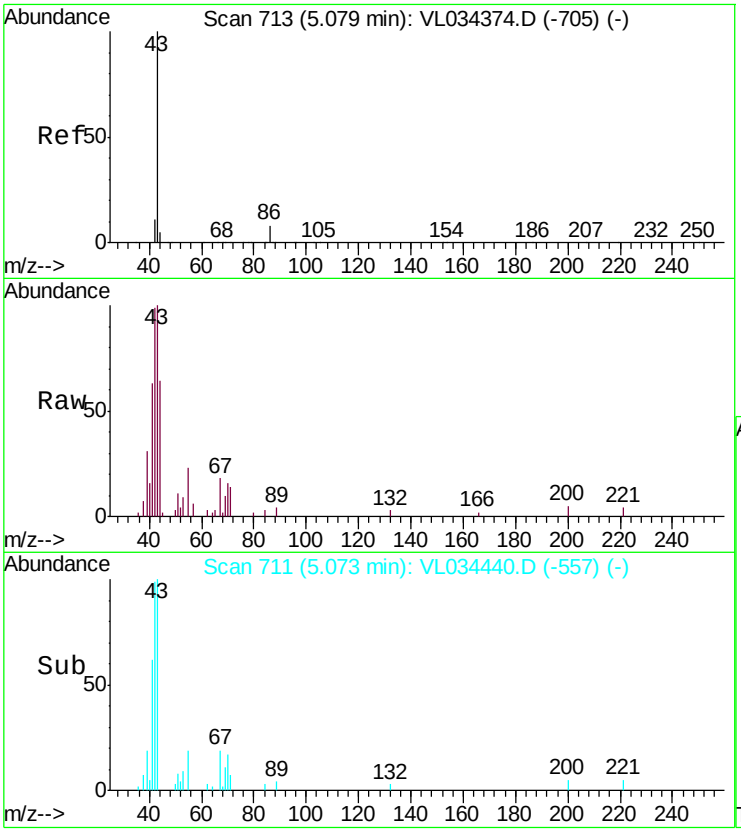


#20
Methylene Chloride
Concen: 2.478 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 84 Resp: 92922

Ion	Ratio	Lower	Upper
84	100		
49	171.5	116.8	175.2
51	51.3	35.6	53.4
86	69.4	50.7	76.1



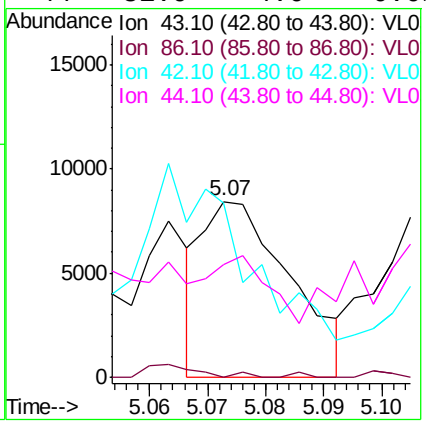


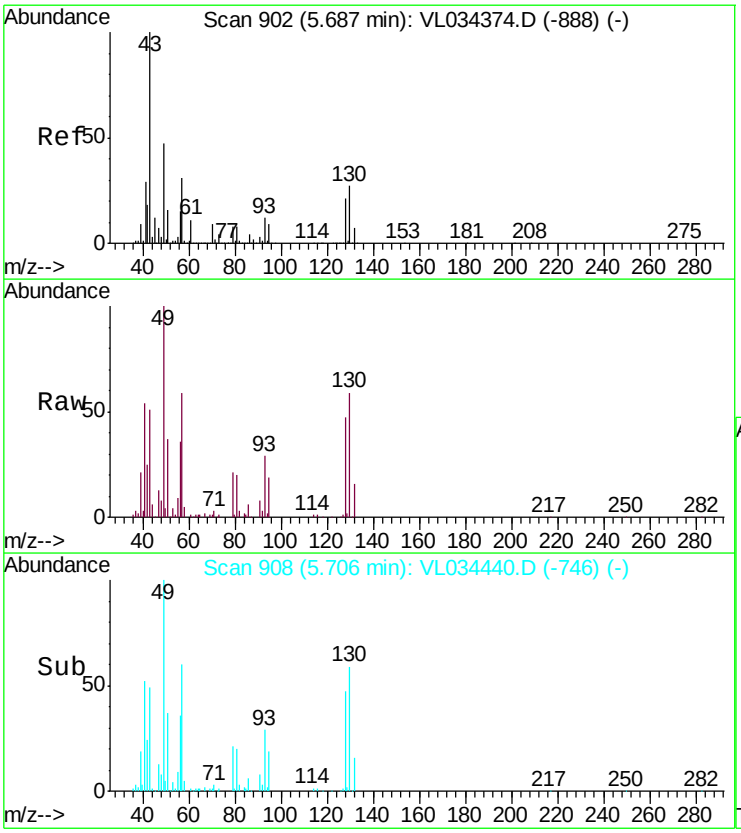
#23
Vinyl Acetate
Concen: 0.064 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion: 43 Resp: 8834

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	117.6	8.9	13.3#
44	31.9	4.0	6.0#

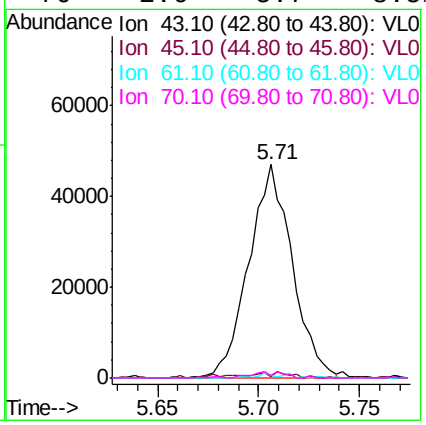


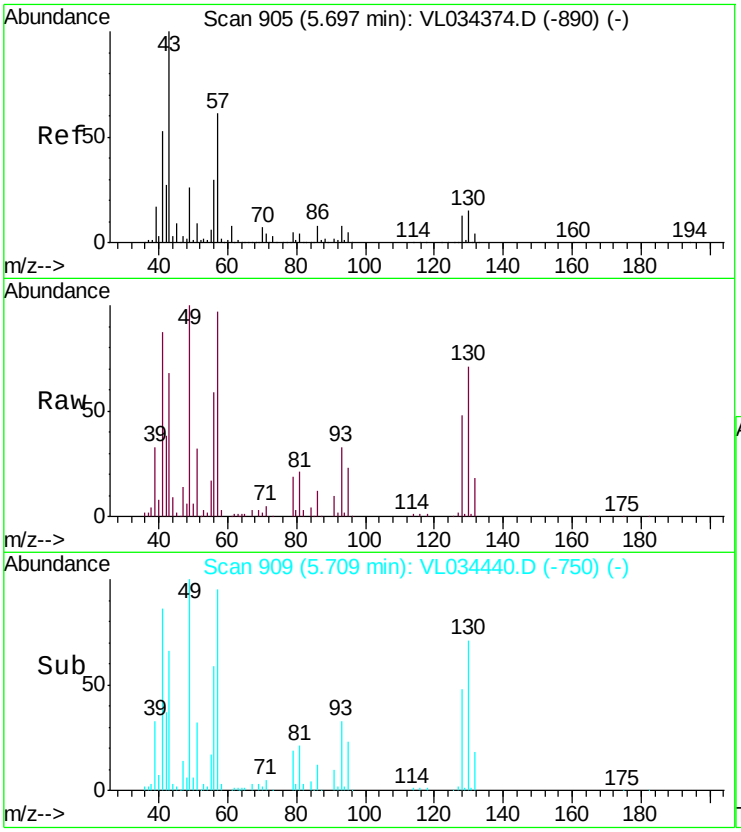


#25
Ethyl Acetate
Concen: 0.374 ppbv
RT: 5.71 min Scan# 908
Delta R.T. 0.02 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 43 Resp: 70657

Ion	Ratio	Lower	Upper
43	100		
45	2.9	8.2	12.4#
61	1.3	7.5	11.3#
70	2.6	5.7	8.5#



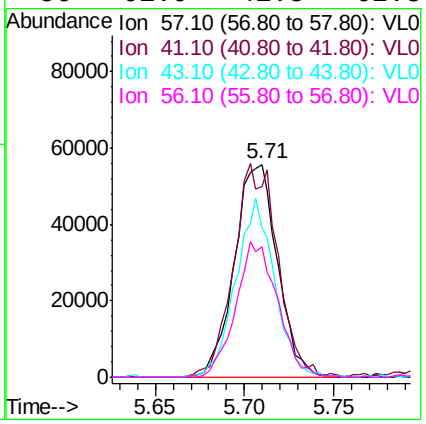


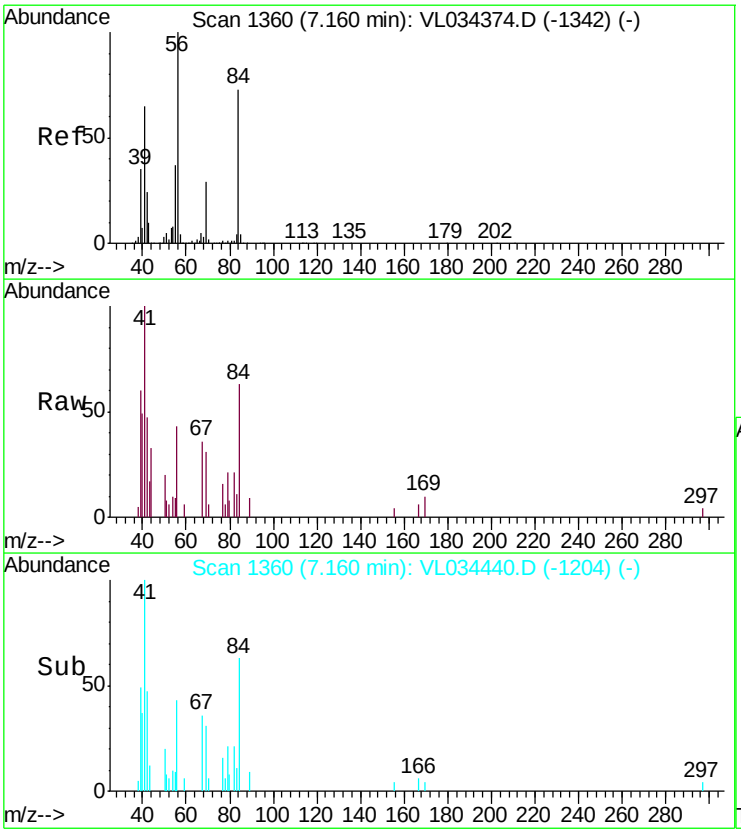
#26
Hexane
Concen: 1.159 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 57 Resp: 93935

Ion	Ratio	Lower	Upper
57	100		
41	102.6	75.0	112.4
43	75.8	186.6	279.8#
56	61.9	41.5	62.3

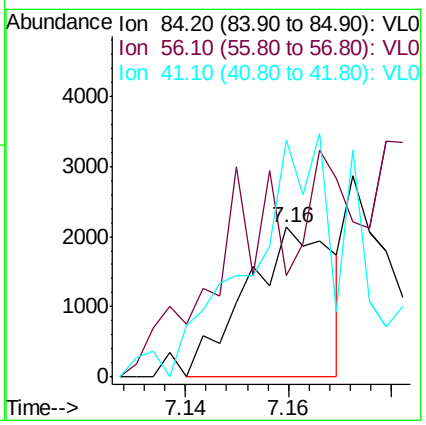


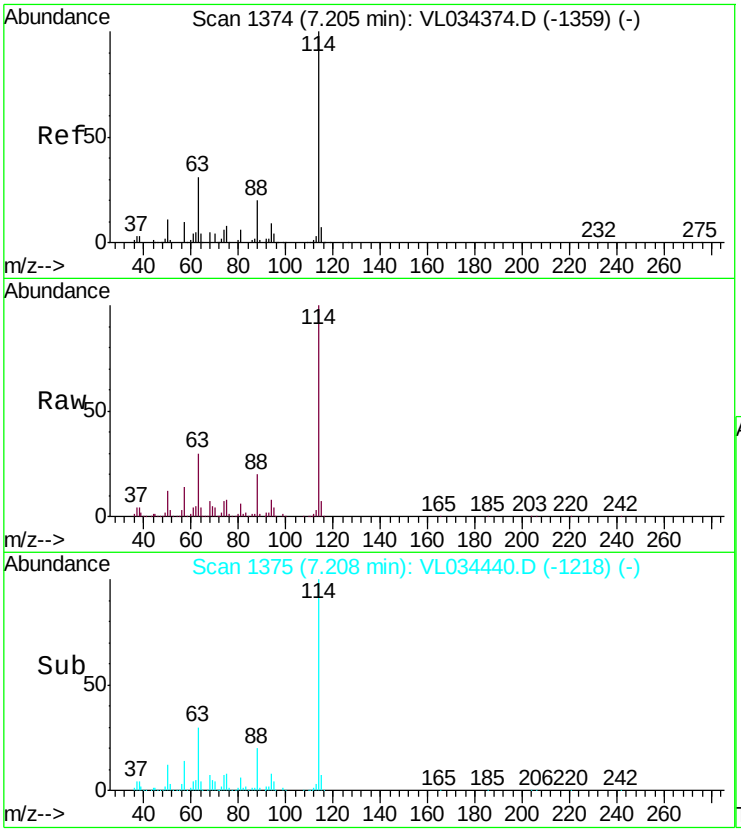


#30
Cyclohexane
Concen: 0.040 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 84 Resp: 2440

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.6	169.0#
41	244.5	73.4	110.2#



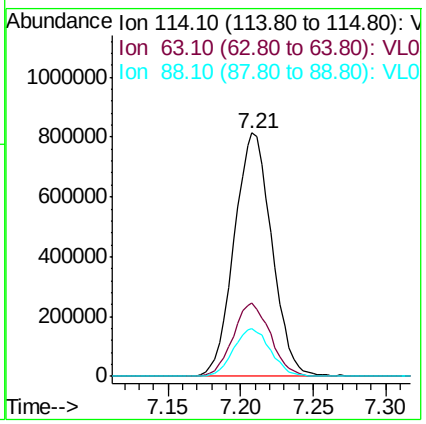


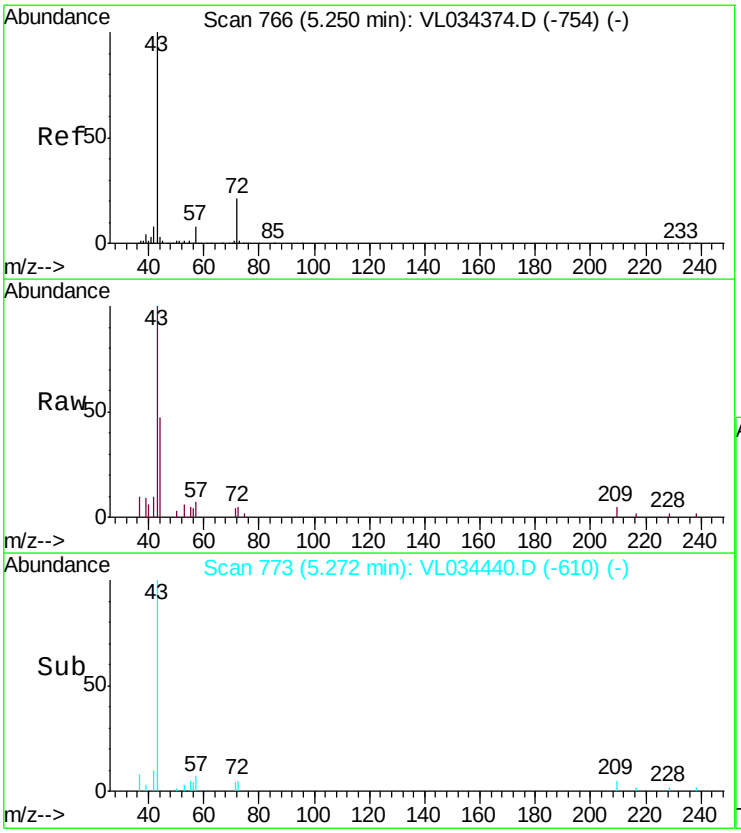
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion:114 Resp: 1465174

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.2	36.4
88	19.2	15.9	23.9

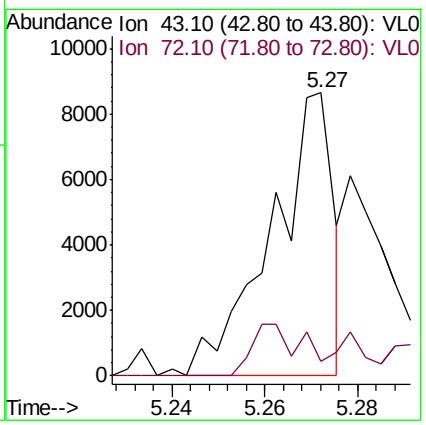


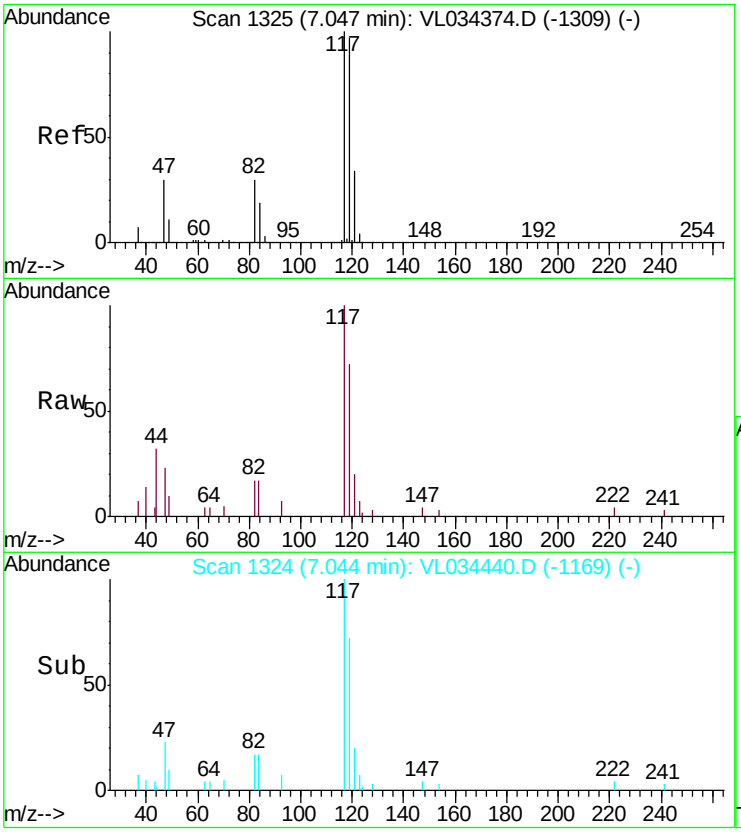


#34
2-Butanone
Concen: 0.066 ppbv
RT: 5.27 min Scan# 773
Delta R.T. 0.02 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 43 Resp: 7977

Ion	Ratio	Lower	Upper
43	100		
72	27.3	17.0	25.6#



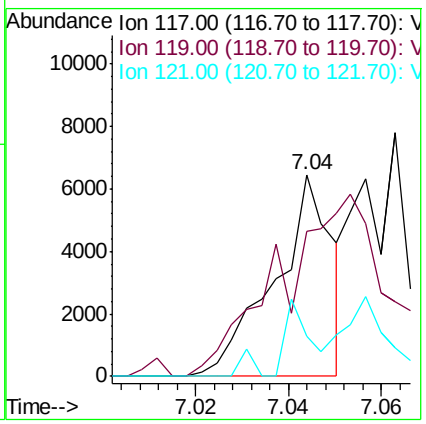


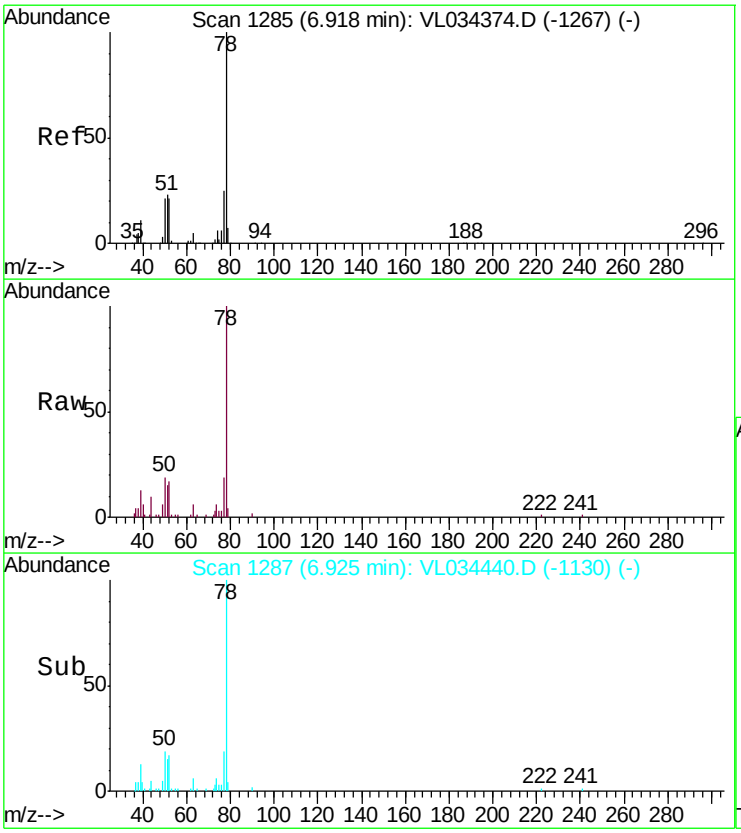
#35
Carbon Tetrachloride
Concen: 0.044 ppbv
RT: 7.04 min Scan# 1324
Delta R.T. -0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion:117 Resp: 5519

Ion	Ratio	Lower	Upper
117	100		
119	71.7	77.3	115.9#
121	20.2	27.4	41.2#

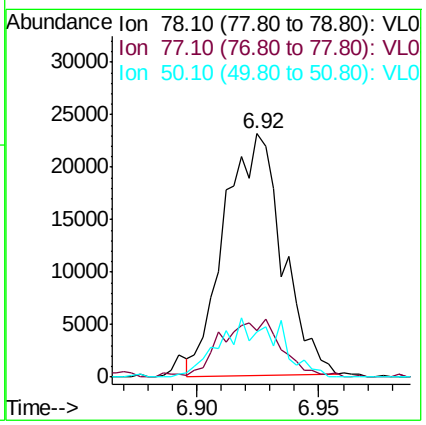


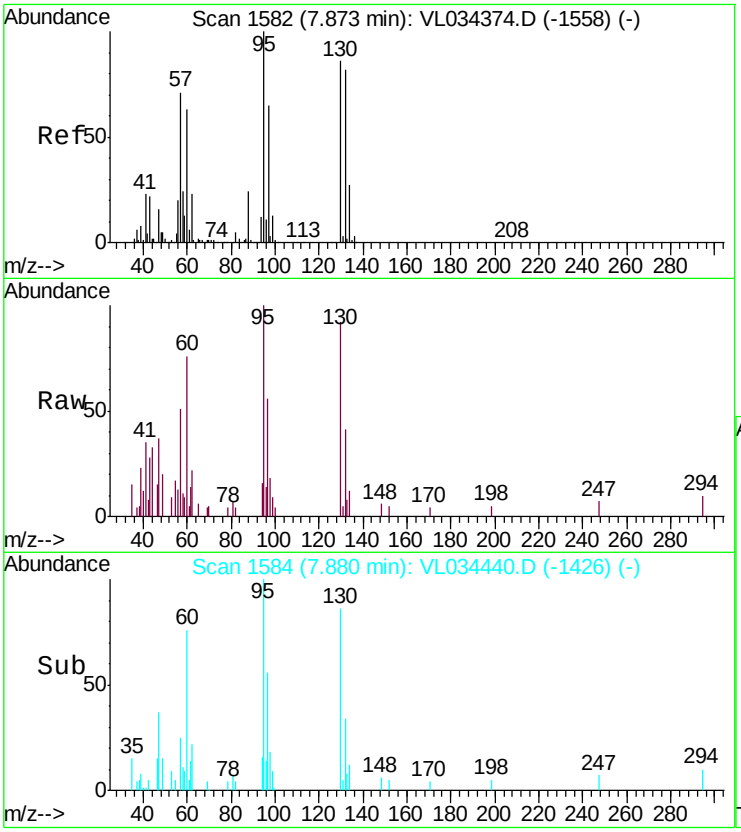


#36
Benzene
Concen: 0.260 ppbv
RT: 6.92 min Scan# 1287
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 78 Resp: 38050

Ion	Ratio	Lower	Upper
78	100		
77	18.4	20.2	30.4#
50	19.0	17.1	25.7



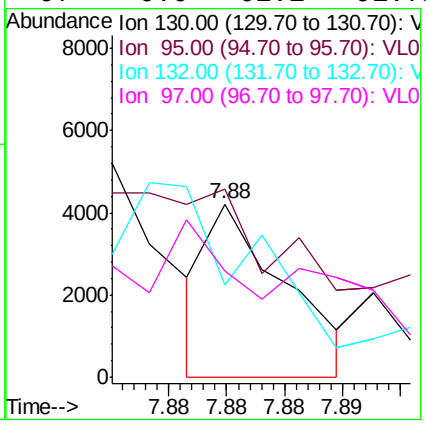


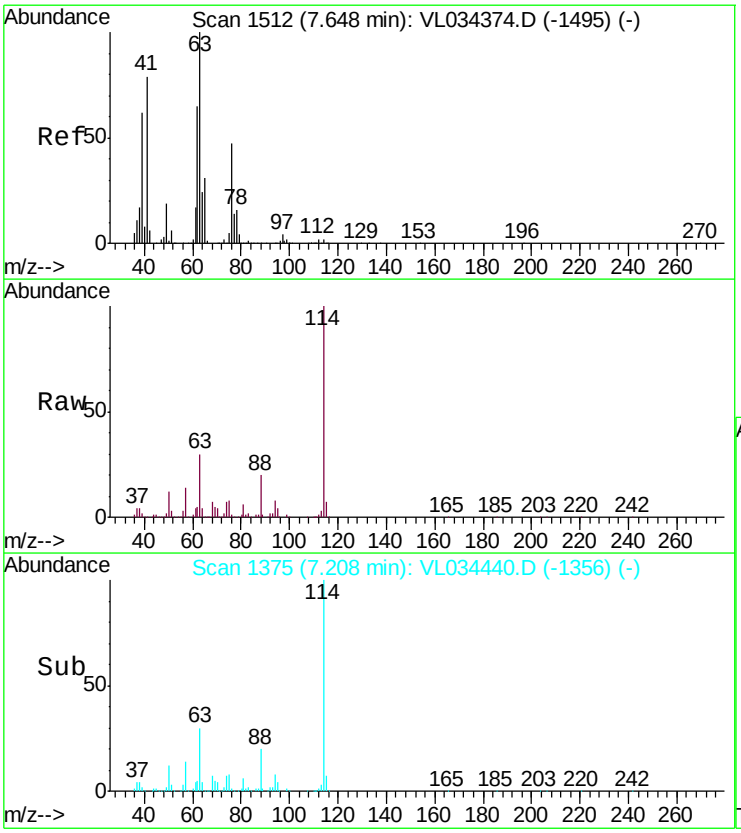
#38
Trichloroethene
Concen: 0.032 ppbv
RT: 7.88 min Scan# 1584
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion:130 Resp: 1948

Ion	Ratio	Lower	Upper
130	100		
95	81.0	93.4	140.0#
132	49.5	76.4	114.6#
97	0.0	61.1	91.7#

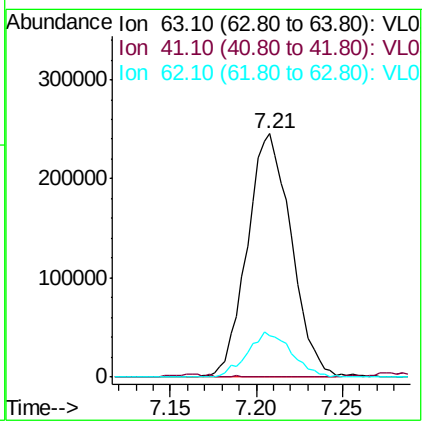


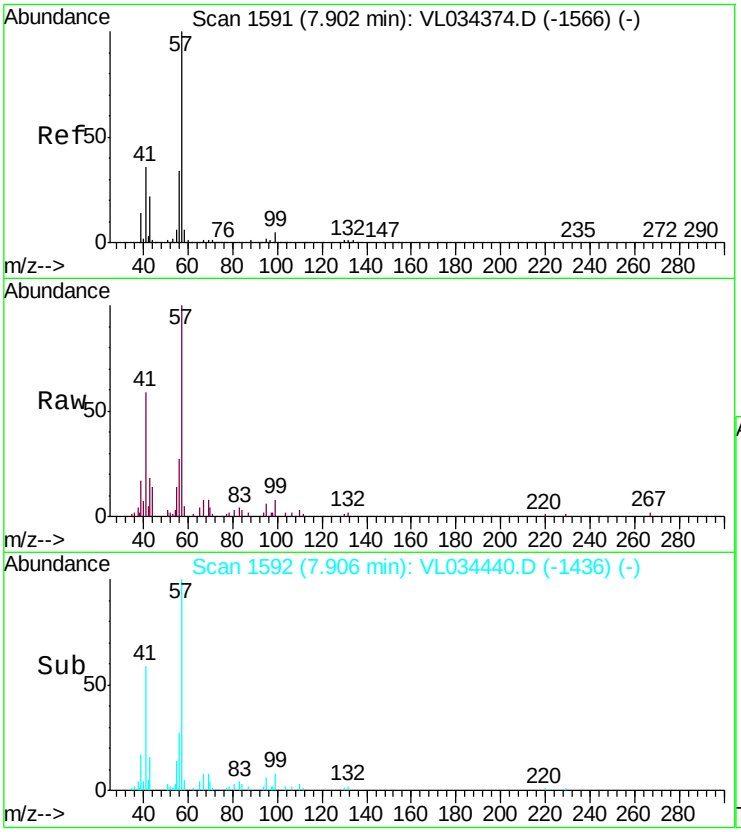


#39
1,2-Dichloropropane
Concen: 7.716 ppbv
RT: 7.21 min Scan# 1375
Delta R.T. -0.44 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 63 Resp: 435357

Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.1	94.7#
62	16.9	52.3	78.5#



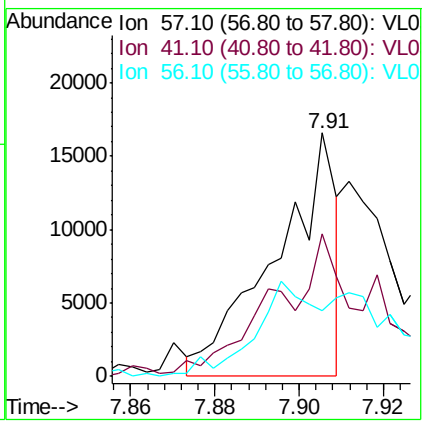


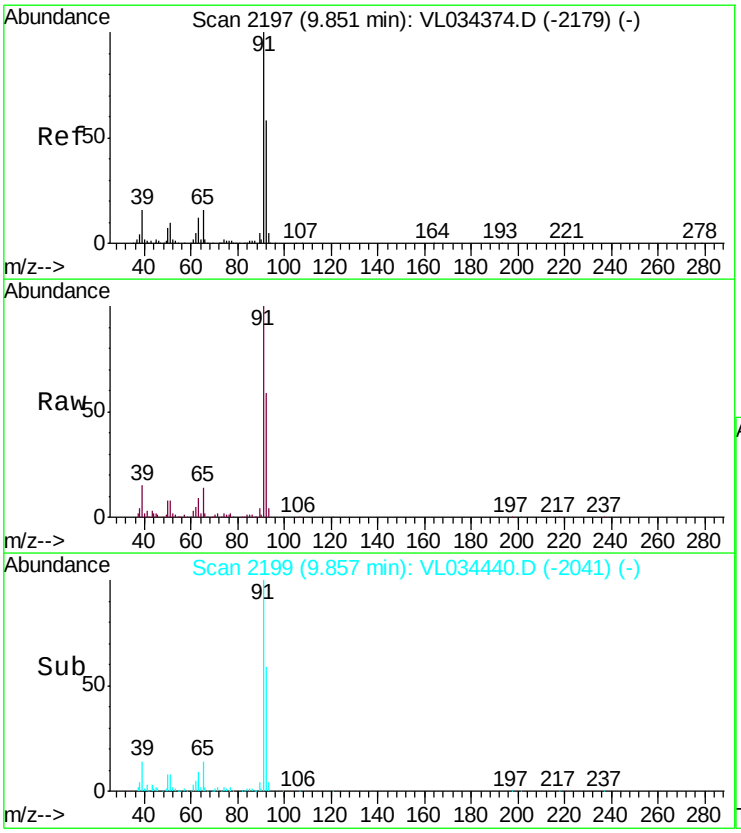
#44
2,2,4-Trimethylpentane
Concen: 0.062 ppbv
RT: 7.91 min Scan# 1592
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 57 Resp: 16594

Ion	Ratio	Lower	Upper
57	100		
41	96.7	28.6	42.8#
56	81.9	25.3	37.9#

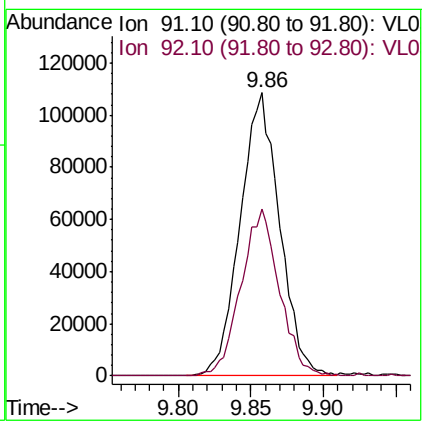


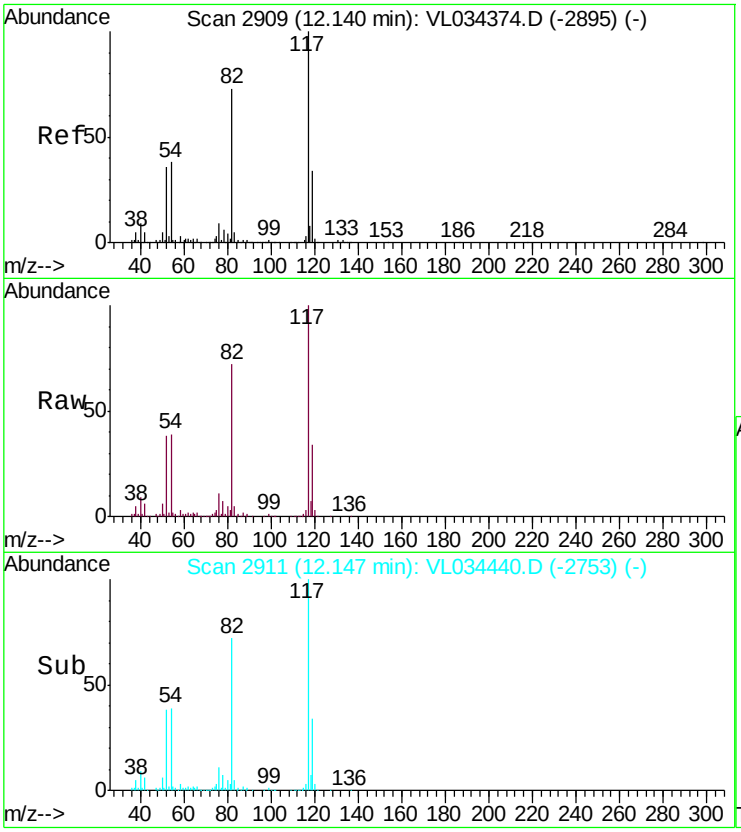


#53
Toluene
Concen: 1.236 ppbv
RT: 9.86 min Scan# 2199
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 91 Resp: 205591

Ion	Ratio	Lower	Upper
91	100		
92	57.5	47.9	71.9



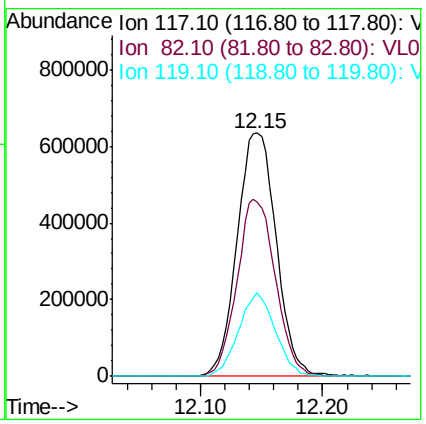


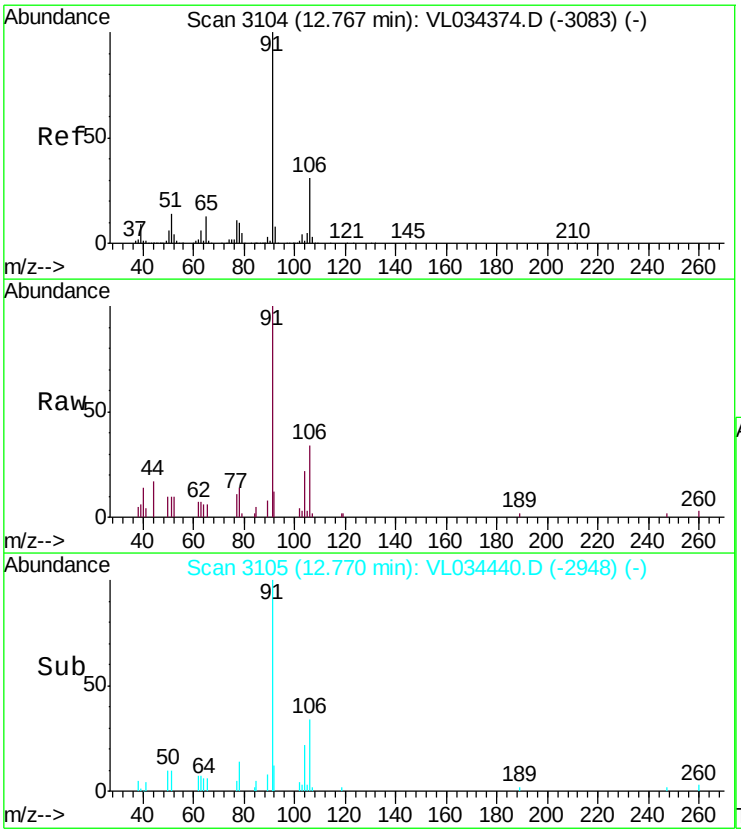
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.01 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion:117 Resp: 1403519

Ion	Ratio	Lower	Upper
117	100		
82	71.8	57.5	86.3
119	32.5	25.4	38.2

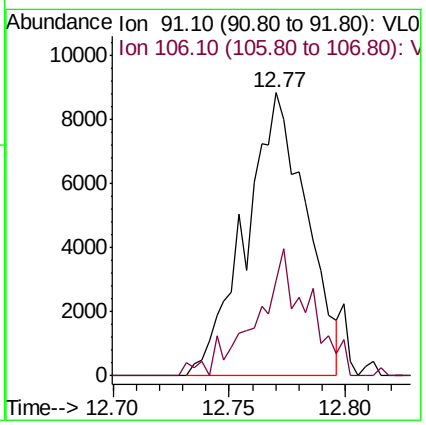


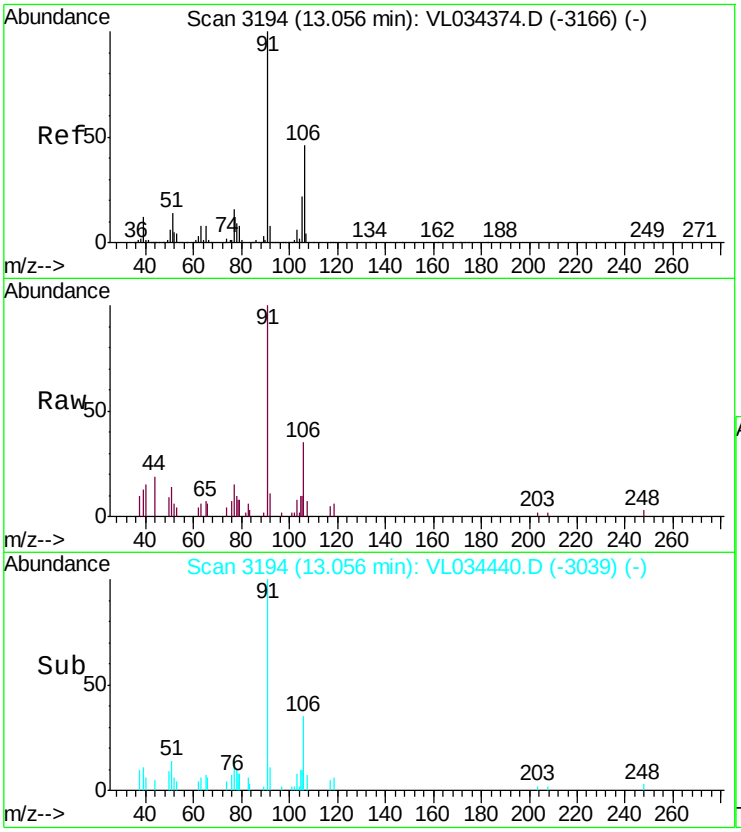


#58
Ethyl Benzene
Concen: 0.074 ppbv
RT: 12.77 min Scan# 3105
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 91 Resp: 16121

Ion	Ratio	Lower	Upper
91	100		
106	29.2	24.8	37.2



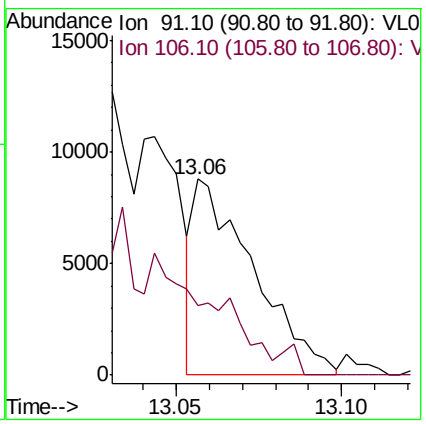


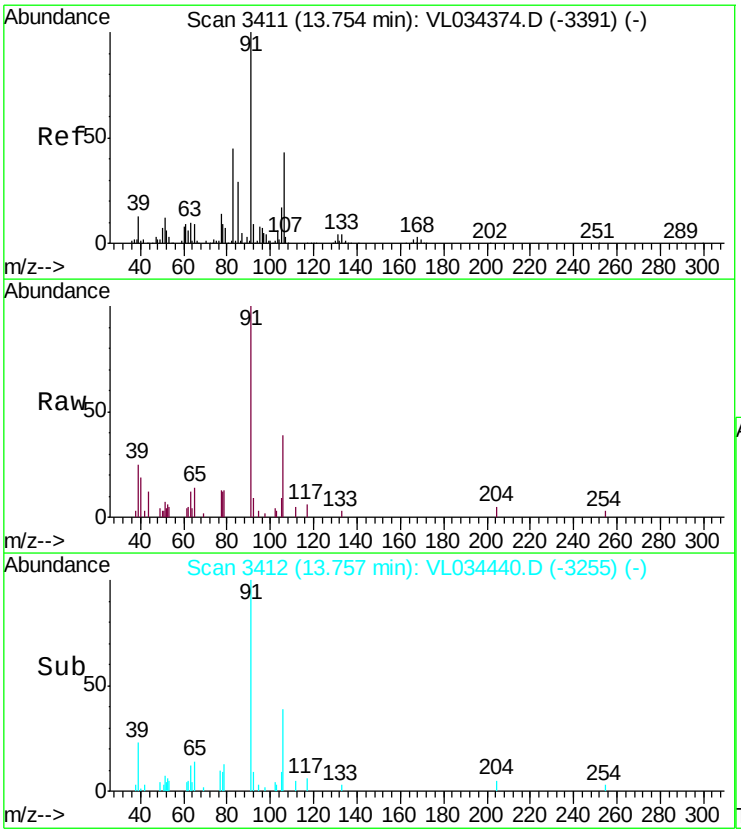
#59
m/p-Xylene
Concen: 0.059 ppbv
RT: 13.06 min Scan# 3194
Delta R.T. -0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument : MSVOA_L
ClientSampleId : OA-1ADUP

Tgt Ion: 91 Resp: 11021

Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.6	51.8#

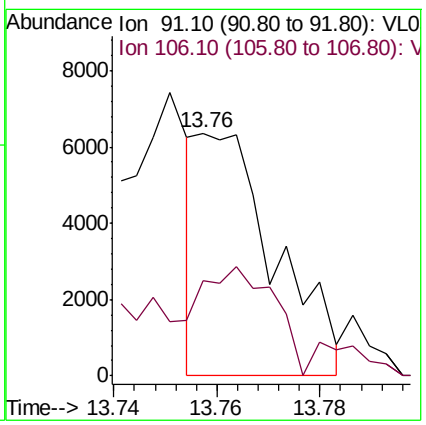


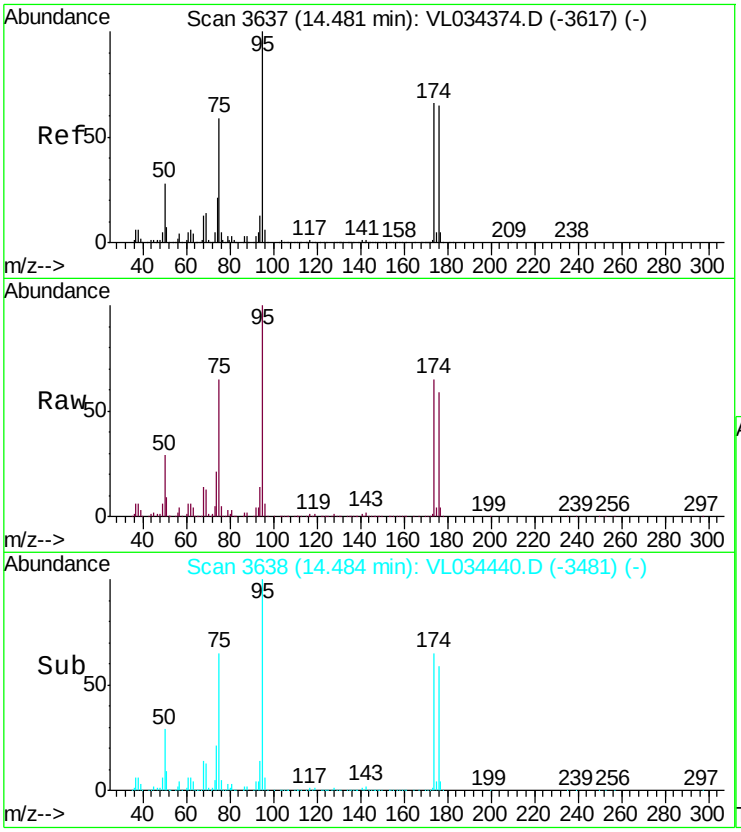


#60
o-Xylene
Concen: 0.036 ppbv
RT: 13.76 min Scan# 3412
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Tgt Ion: 91 Resp: 6660

Ion	Ratio	Lower	Upper
91	100		
106	84.1	21.3	64.0#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.325 ppbv
RT: 14.48 min Scan# 3638
Delta R.T. 0.00 min
Lab File: VL034440.D
Acq: 2 Dec 2019 23:59

Instrument :
MSVOA_L
ClientSampleId :
OA-1ADUP

Tgt Ion: 95 Resp: 1219112

Ion	Ratio	Lower	Upper
95	100		
174	63.5	52.2	78.2
175	4.7	3.8	5.8