Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL063020\
Data File : VL035130.D
Acq On : 30 Jun 2020 18:17
Operator : SY/AP
Sample : L3124-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Jul 01 03:00:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.67	49	1355943	10.00	ppbv		0.02
33) 1,4-Difluorobenzene	7.19	114	3167426	10.00	ppbv		0.02
55) Chlorobenzene-d5	12.12	117	2991287	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2474012	9.96	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	9281	0.051	ppbv		99
4) Chloromethane	3.11	50	5577	0.066	ppbv		94
7) Chloroethane	3.53	64	1701	0.056	ppbv	#	88
9) Propene	2.97	41	601329	10.138	ppbv		98
13) Ethanol	3.57	45	361312	16.125	ppbv		98
15) Acetone	3.82	43	2014093	12.286	ppbv	#	61
16) 1,3-Butadiene	3.28	39	727987	10.125	ppbv	#	14
17) tert-Butyl alcohol	4.28	59	164234	1.130	ppbv		95
18) 1,1-Dichloroethene	4.27	96	4896	0.080	ppbv	#	55
19) Isopropyl Alcohol	3.94	45	932748	8.763	ppbv	#	1
20) Methylene Chloride	4.33	84	66368	1.000	ppbv		94
21) Allyl Chloride	4.28	41	36702	0.377	ppbv	#	74
22) trans-1,2-Dichloroethene	4.88	96	3418	0.060	ppbv	#	70
23) Vinyl Acetate	5.16	43	234985	1.181	ppbv	#	14
24) 1,1-Dichloroethane	5.00	63	108659	0.648	ppbv		99
25) Ethyl Acetate	5.23	43	6047658	20.441	ppbv	#	75
26) Hexane	5.68	57	39763	0.298	ppbv	#	1
32) 1,1,1-Trichloroethane	6.52	97	100686	0.520	ppbv		99
34) 2-Butanone	5.23	43	6047658	33.248	ppbv		97
39) 1,2-Dichloropropane	7.19	63	841998	8.777	ppbv	#	27
51) 2-Hexanone	10.16	43	583098	2.881	ppbv		98
53) Toluene	9.83	91	11736	0.045	ppbv	#	54

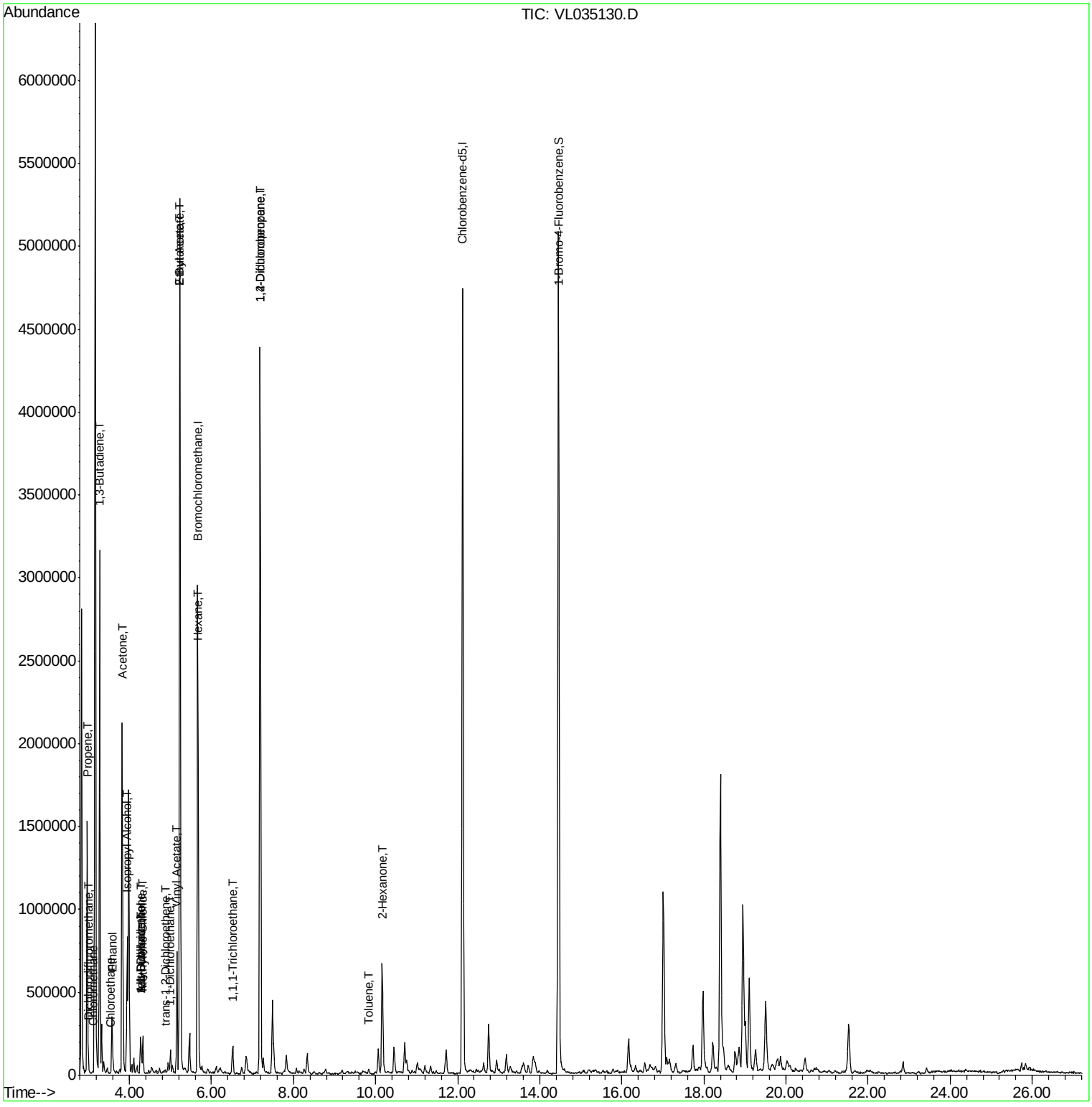
(#) = qualifier out of range (m) = manual integration (+) = signals summed

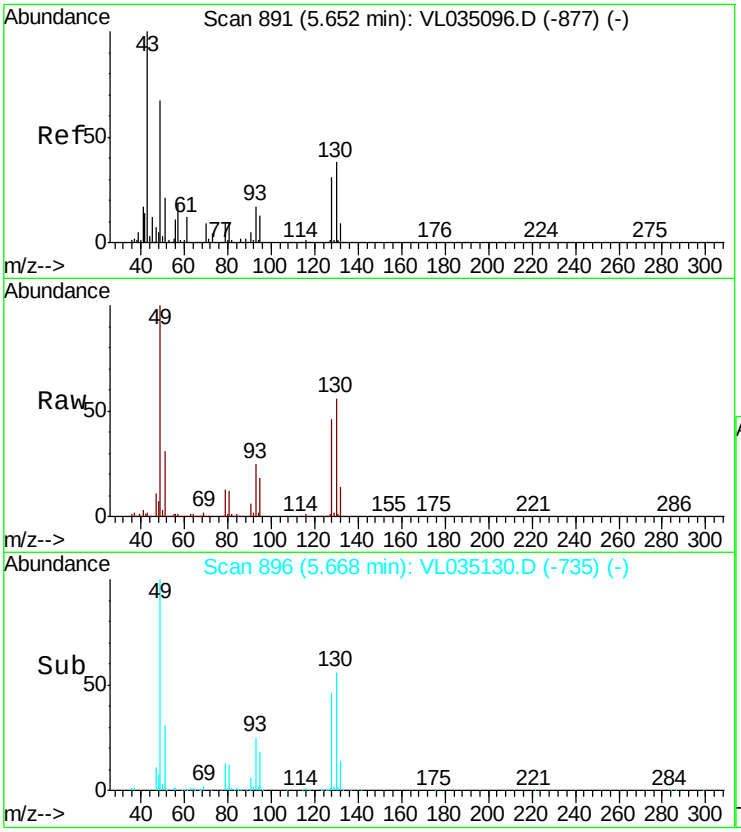
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL063020\
Data File : VL035130.D
Acq On : 30 Jun 2020 18:17
Operator : SY/AP
Sample : L3124-02DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jul 01 03:00:18 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 20 02:10:36 2020
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration



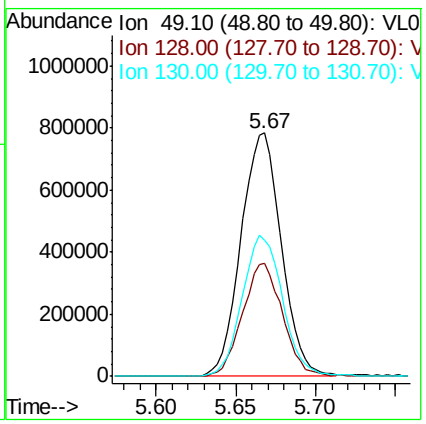


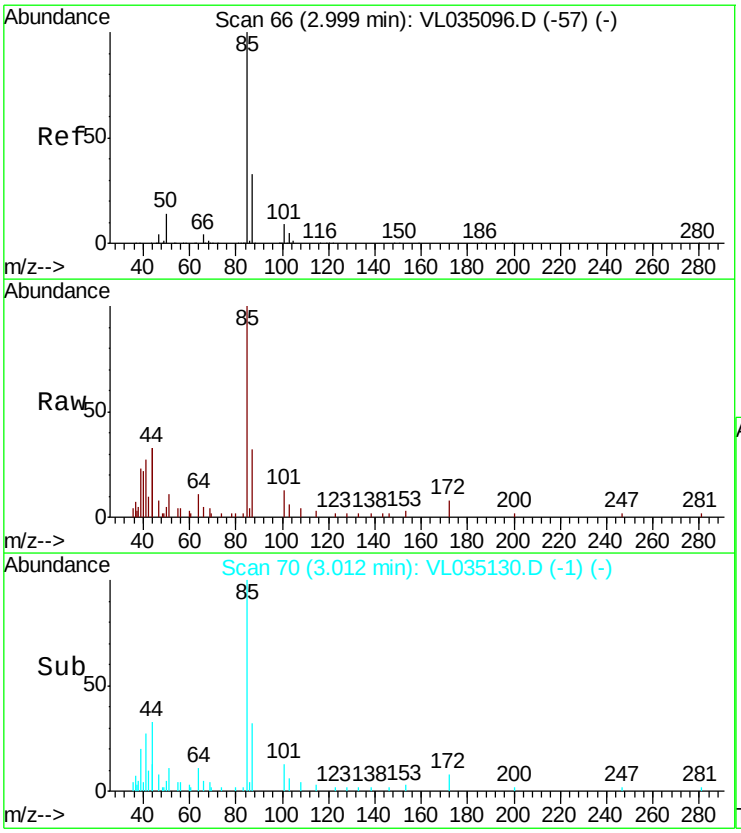
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1355943

Ion	Ratio	Lower	Upper
49	100		
128	46.3	22.9	68.5
130	58.1	29.0	87.0

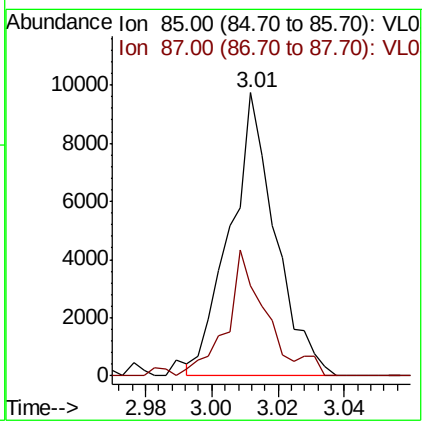


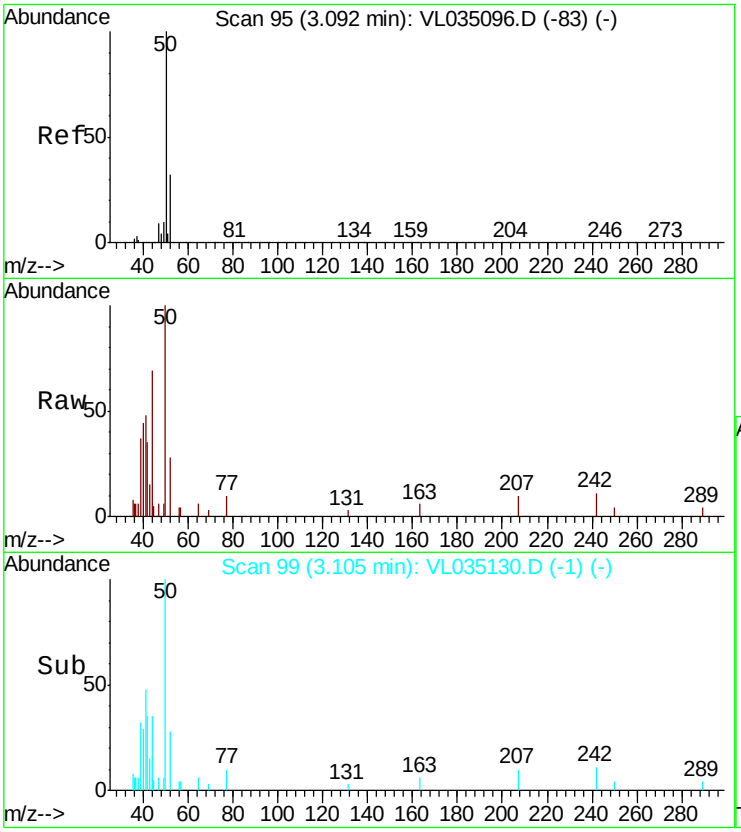


#2
Dichlorodifluoromethane
Concen: 0.051 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 85 Resp: 9281

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.1	39.1

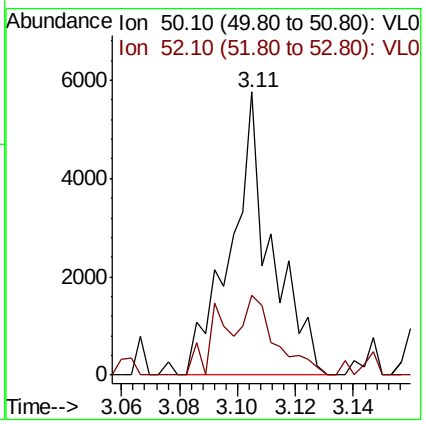




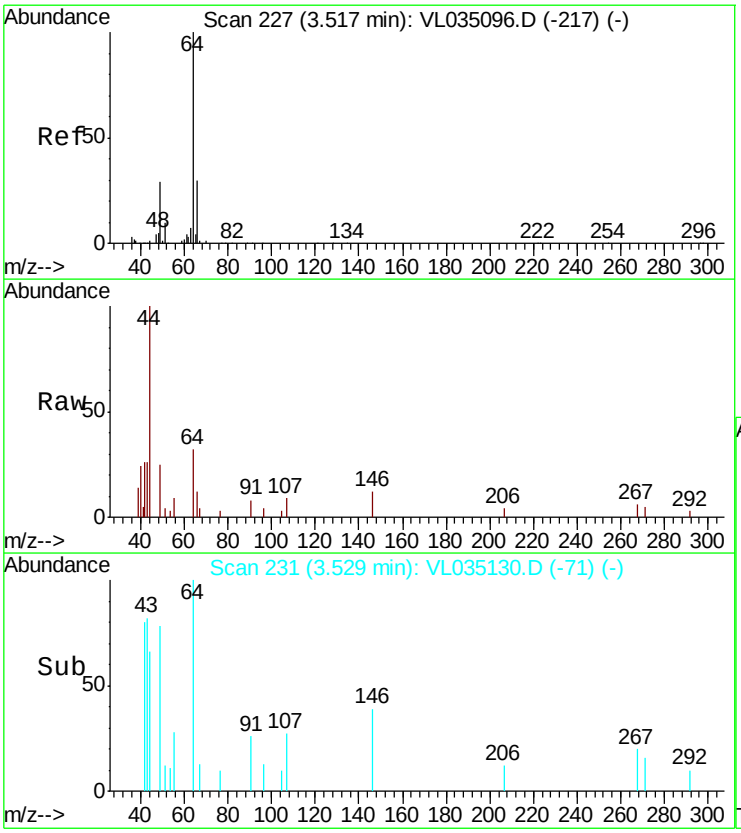
#4
Chloromethane
Concen: 0.066 ppbv
RT: 3.11 min Scan# 99
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 50 Resp: 5577

Ion	Ratio	Lower	Upper
50	100		
52	28.3	25.4	38.0



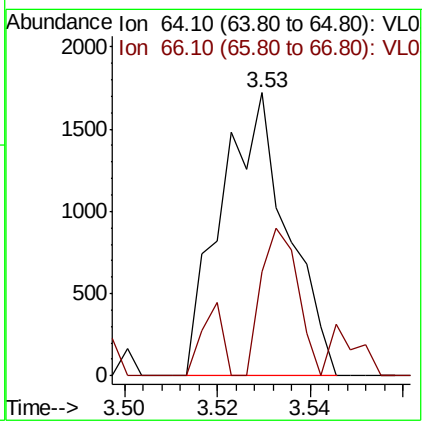
Instrument :
MSVOA_L
ClientSampleId :

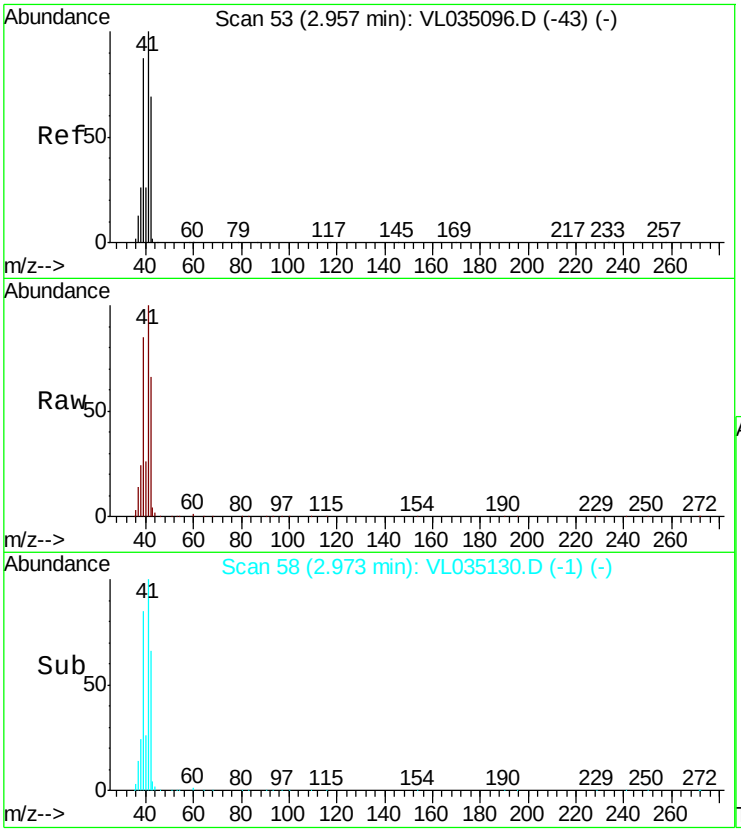


#7
Chloroethane
Concen: 0.056 ppbv
RT: 3.53 min Scan# 231
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 64 Resp: 1701

Ion	Ratio	Lower	Upper
64	100		
66	36.7	24.2	36.4#

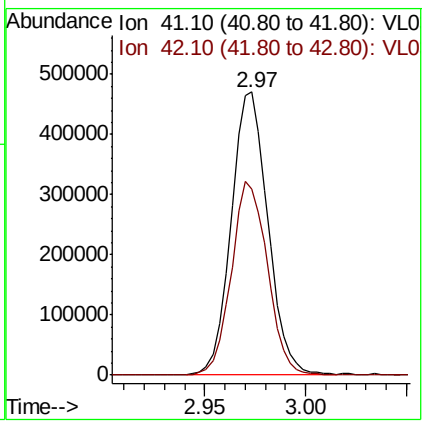




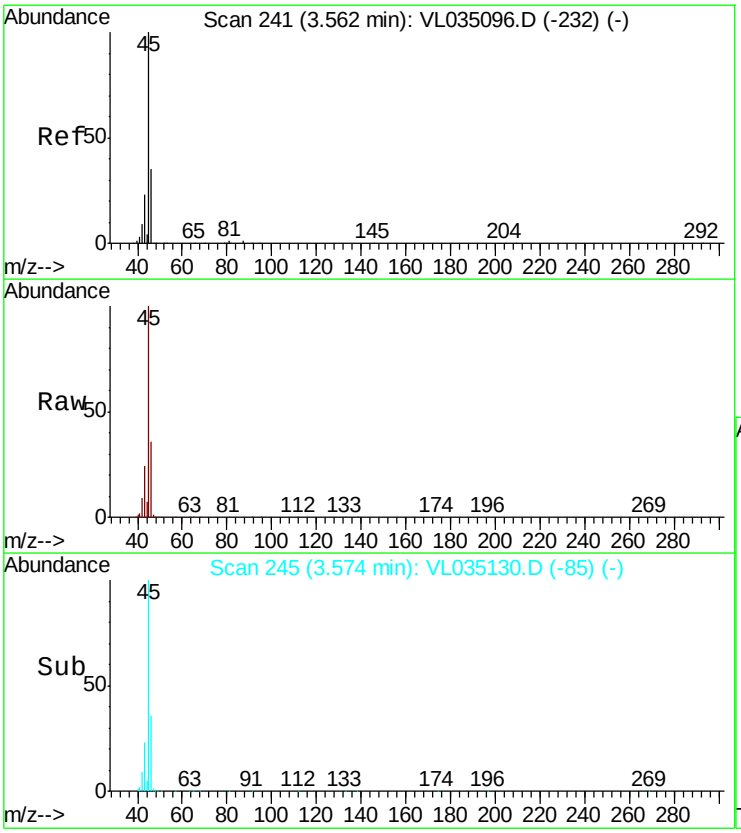
#9
Propene
Concen: 10.138 ppbv
RT: 2.97 min Scan# 58
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 41 Resp: 601329

Ion	Ratio	Lower	Upper
41	100		
42	67.8	55.8	83.6



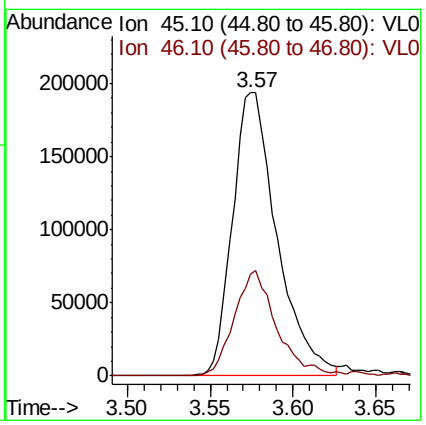
Instrument :
MSVOA_L
ClientSampleId :

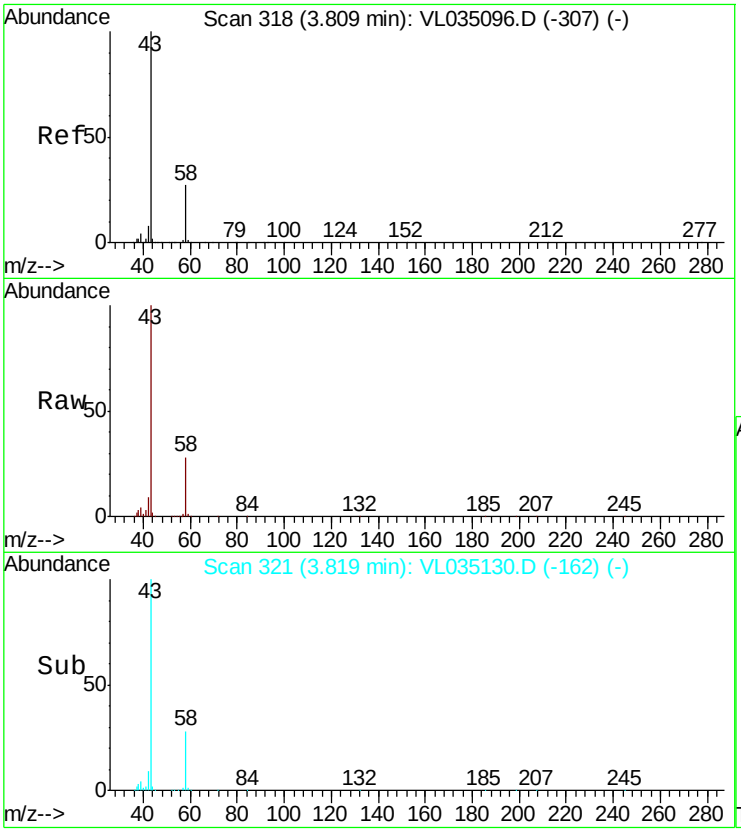


#13
Ethanol
Concen: 16.125 ppbv
RT: 3.57 min Scan# 245
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 45 Resp: 361312

Ion	Ratio	Lower	Upper
45	100		
46	36.7	14.2	57.0



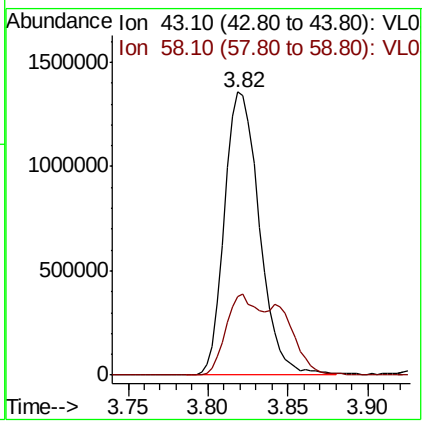


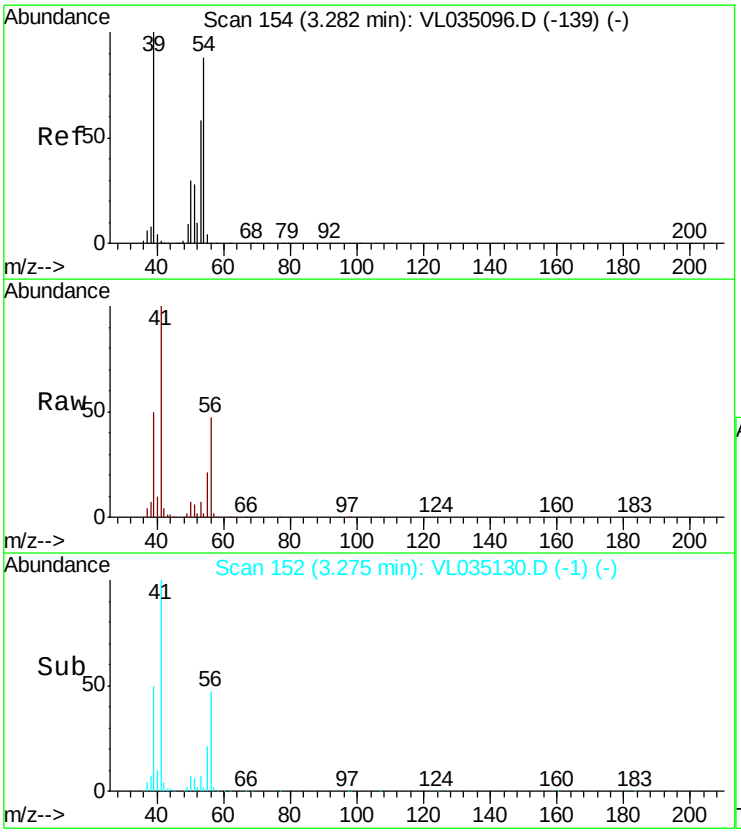
#15
Acetone
Concen: 12.286 ppbv
RT: 3.82 min Scan# 321
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 2014093

Ion	Ratio	Lower	Upper
43	100		
58	47.3	21.8	32.6#

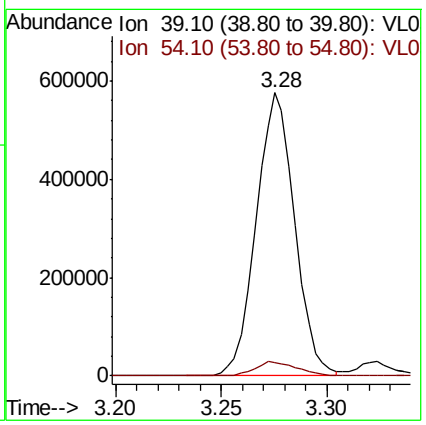


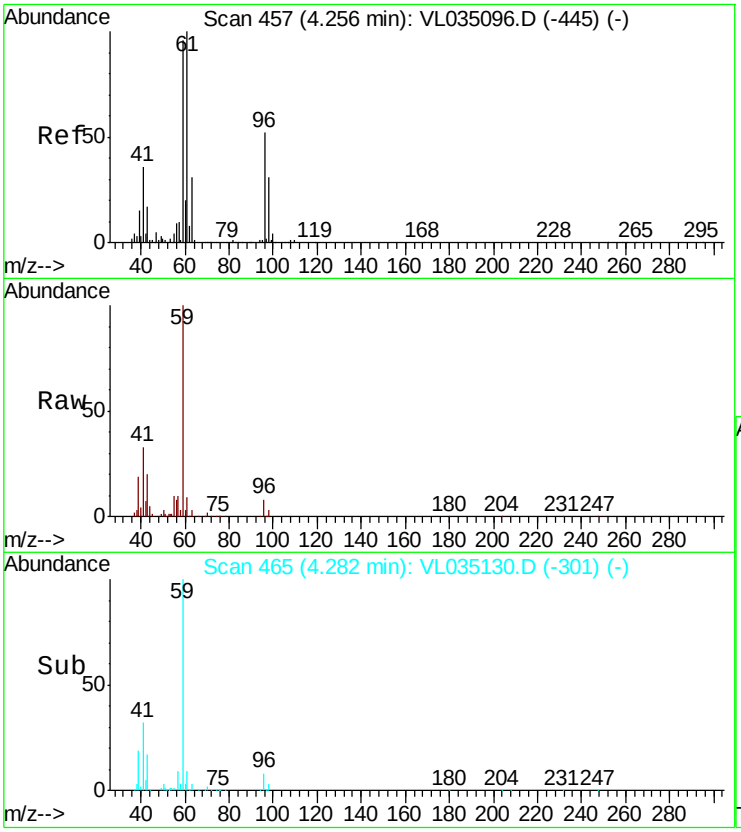


#16
1,3-Butadiene
Concen: 10.125 ppbv
RT: 3.28 min Scan# 152
Delta R.T. -0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 39 Resp: 727987

Ion	Ratio	Lower	Upper
39	100		
54	5.8	67.0	100.4#



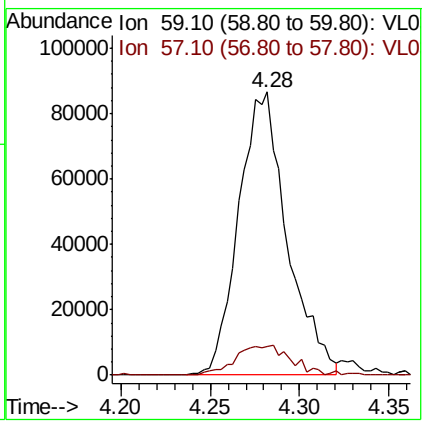


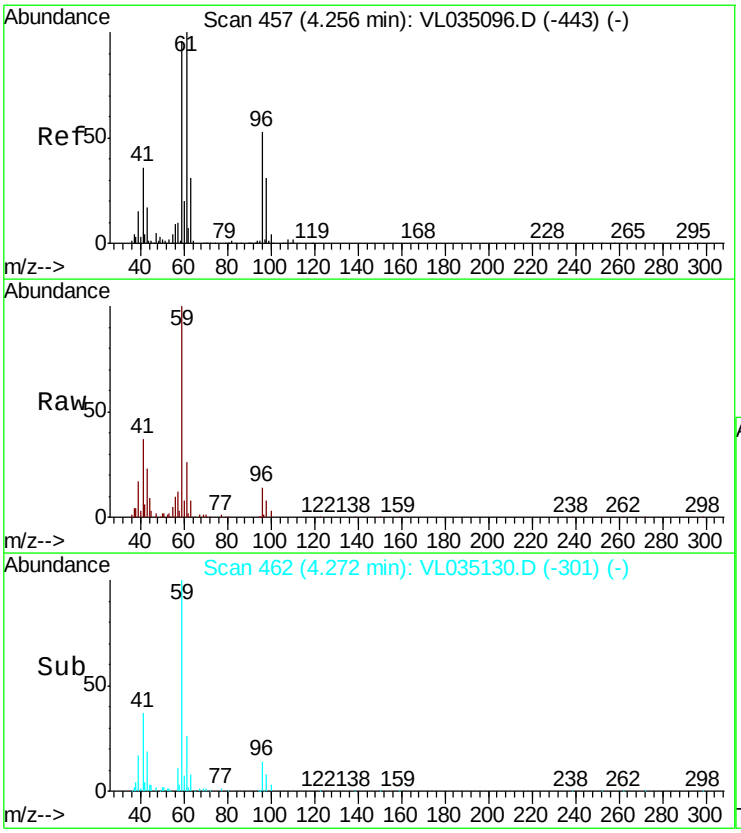
#17
tert-Butyl alcohol
Concen: 1.130 ppbv
RT: 4.28 min Scan# 465
Delta R.T. 0.03 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 59 Resp: 164234

Ion	Ratio	Lower	Upper
59	100		
57	12.4	8.6	12.8

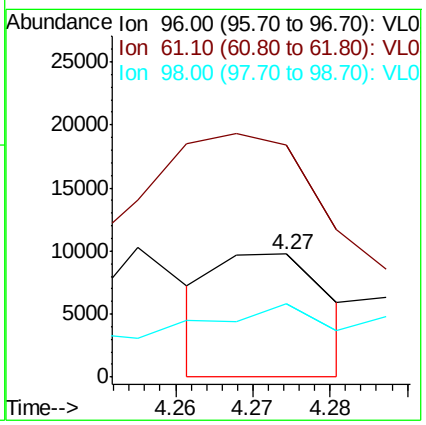


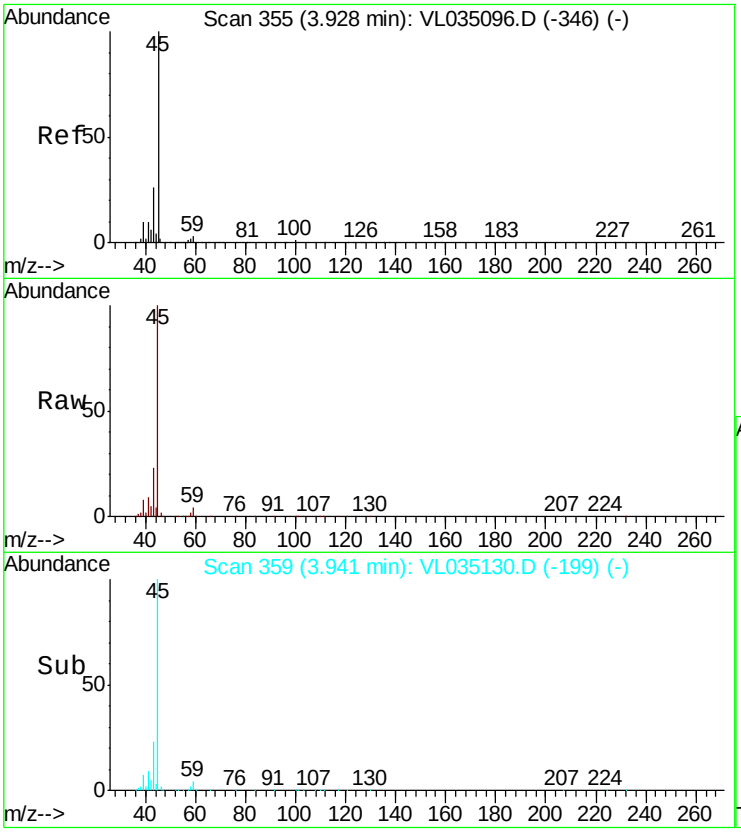


#18
1,1-Dichloroethene
Concen: 0.080 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 96 Resp: 4896

Ion	Ratio	Lower	Upper
96	100		
61	109.4	152.2	228.4#
98	50.4	47.7	71.5



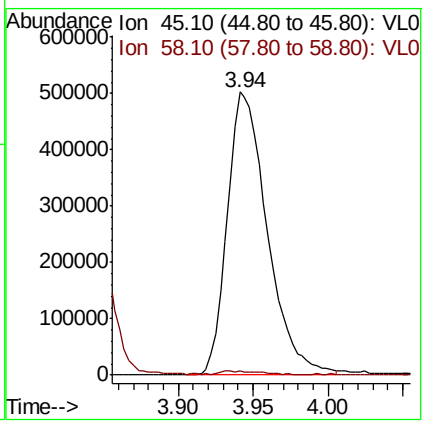


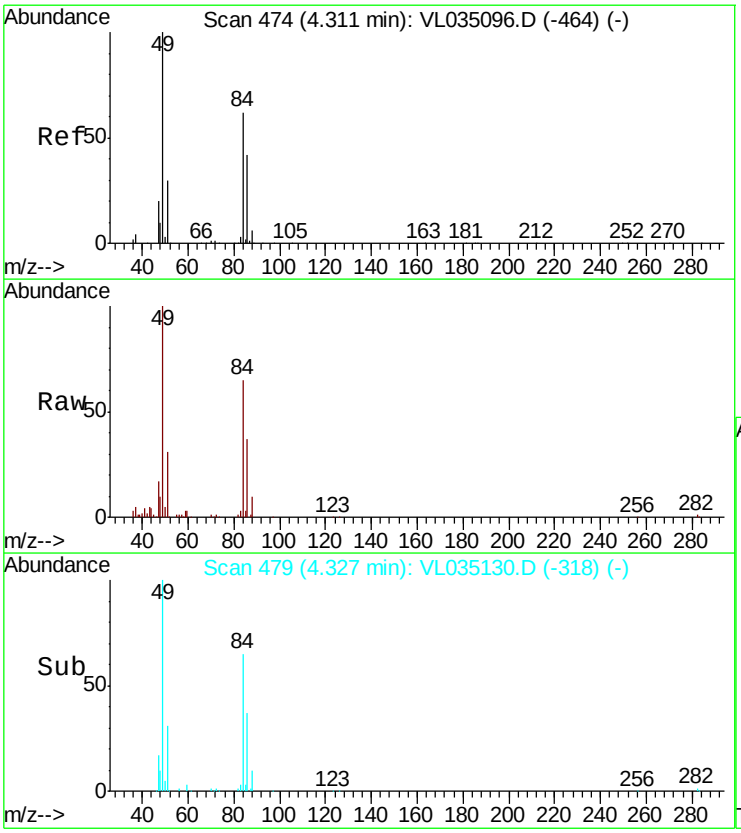
#19
Isopropyl Alcohol
Concen: 8.763 ppbv
RT: 3.94 min Scan# 359
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 932748

Ion	Ratio	Lower	Upper
45	100		
58	101.9	1.8	2.8#

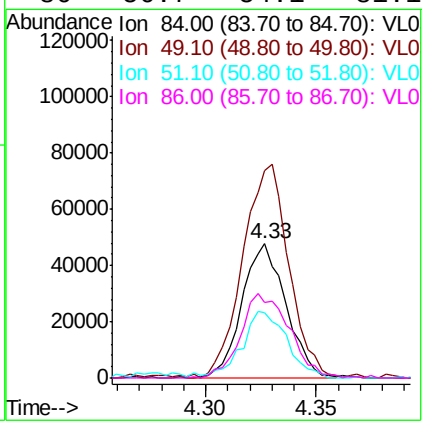


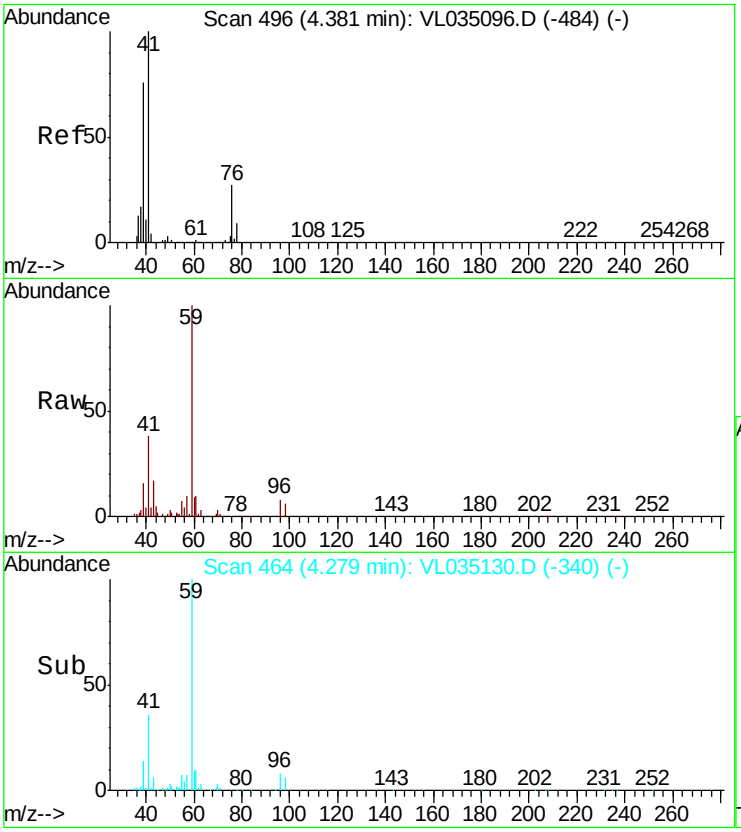


#20
Methylene Chloride
Concen: 1.000 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 84 Resp: 66368

Ion	Ratio	Lower	Upper
84	100		
49	153.9	128.8	193.2
51	48.7	38.7	58.1
86	56.7	54.1	81.1



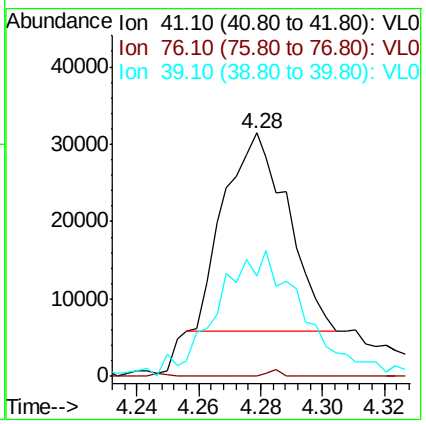


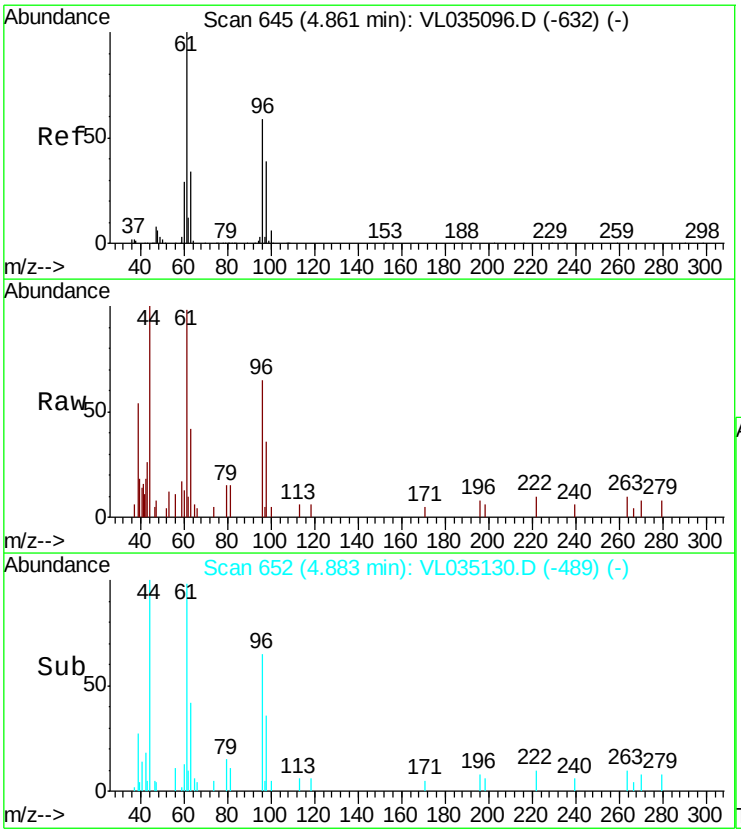
#21
Allvl Chloride
Concen: 0.377 ppbv
RT: 4.28 min Scan# 464
Delta R.T. -0.10 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 41 Resp: 36702

Ion	Ratio	Lower	Upper
41	100		
76	0.3	22.6	34.0#
39	90.5	61.6	92.4

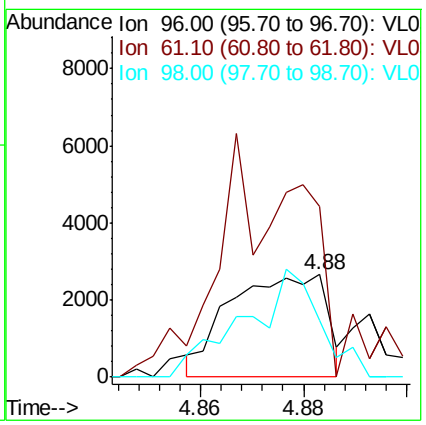


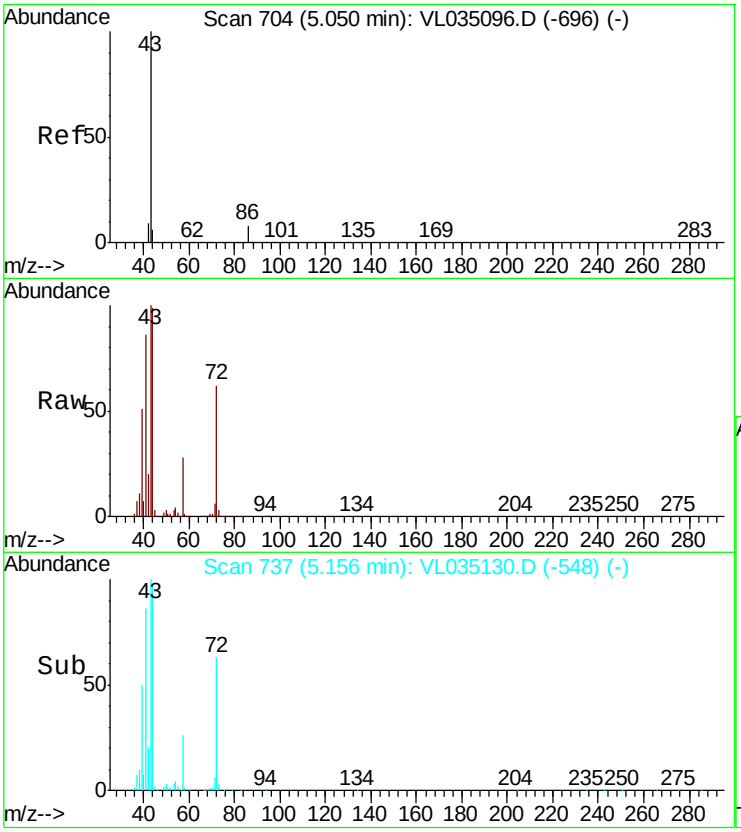


#22
trans-1,2-Dichloroethene
Concen: 0.060 ppbv
RT: 4.88 min Scan# 652
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 96 Resp: 3418

Ion	Ratio	Lower	Upper
96	100		
61	211.8	134.5	201.7#
98	45.2	52.6	79.0#



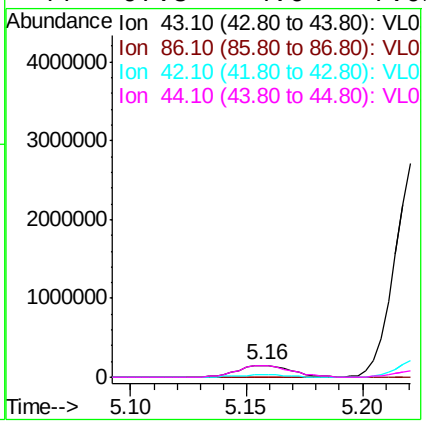


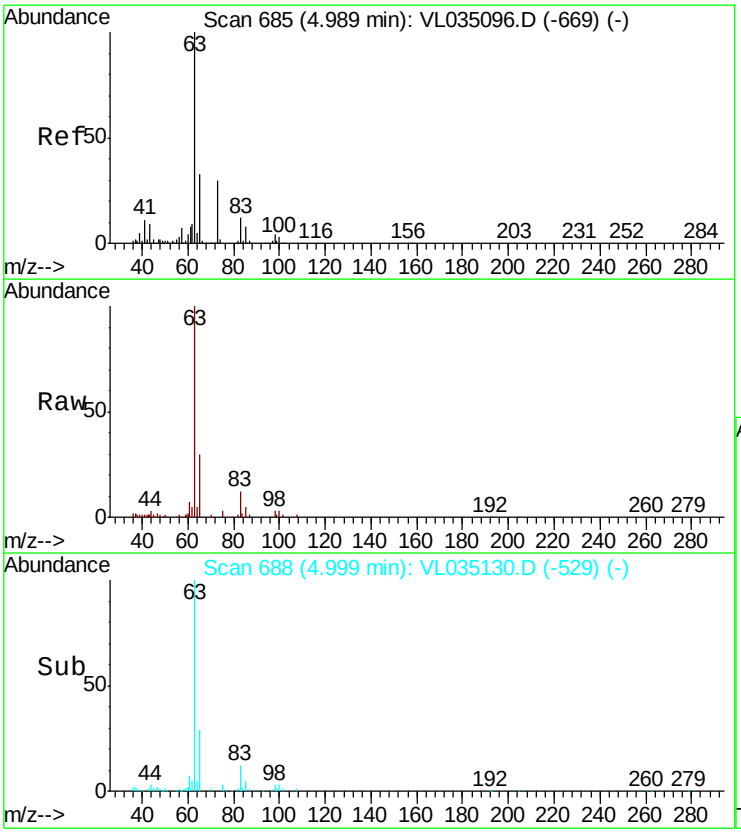
#23
Vinyl Acetate
Concen: 1.181 ppbv
RT: 5.16 min Scan# 737
Delta R.T. 0.11 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 234985

Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	19.9	8.1	12.1#
44	97.8	4.6	7.0#

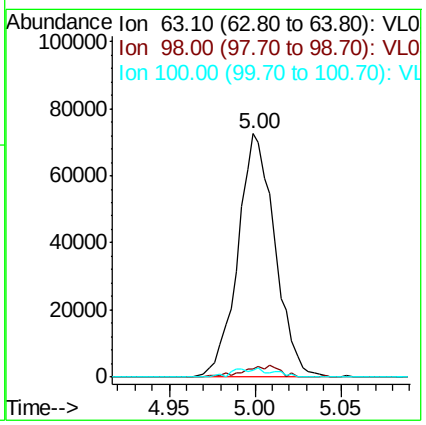


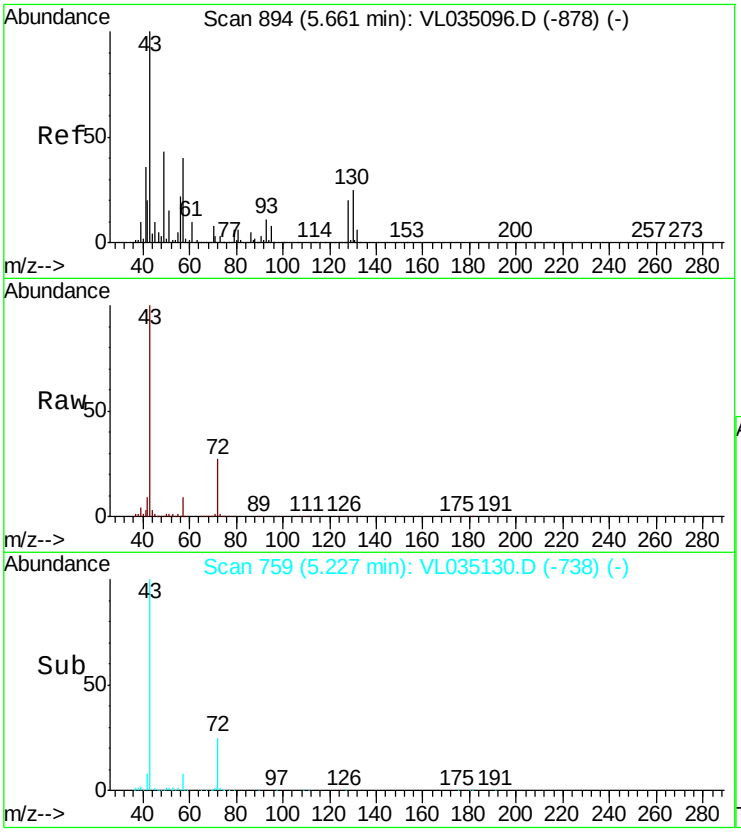


#24
1,1-Dichloroethane
Concen: 0.648 ppbv
RT: 5.00 min Scan# 688
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 63 Resp: 108659

Ion	Ratio	Lower	Upper
63	100		
98	4.2	2.3	6.9
100	2.9	1.4	4.0



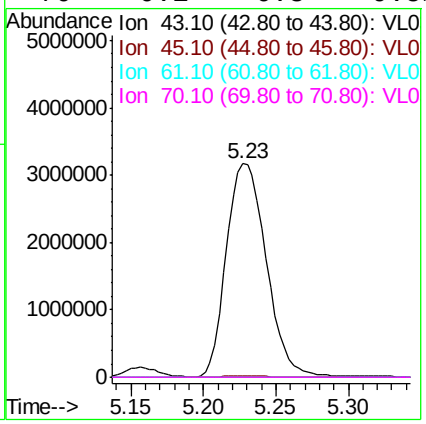


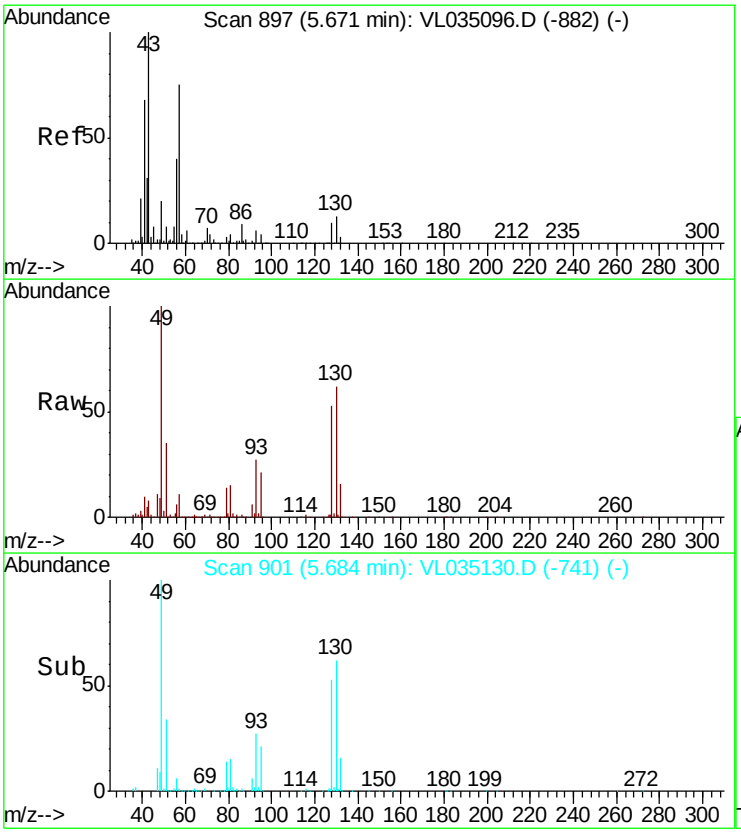
#25
Ethyl Acetate
Concen: 20.441 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.43 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6047658

Ion	Ratio	Lower	Upper
43	100		
45	0.8	8.4	12.6#
61	0.0	8.0	12.0#
70	0.1	6.3	9.5#

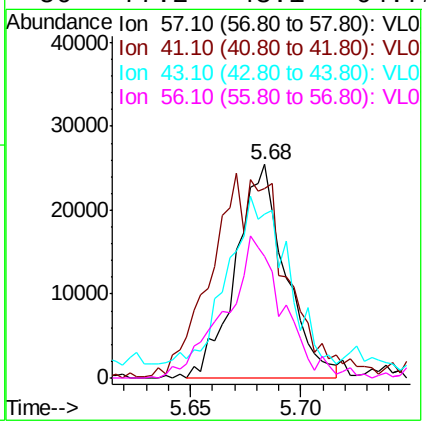


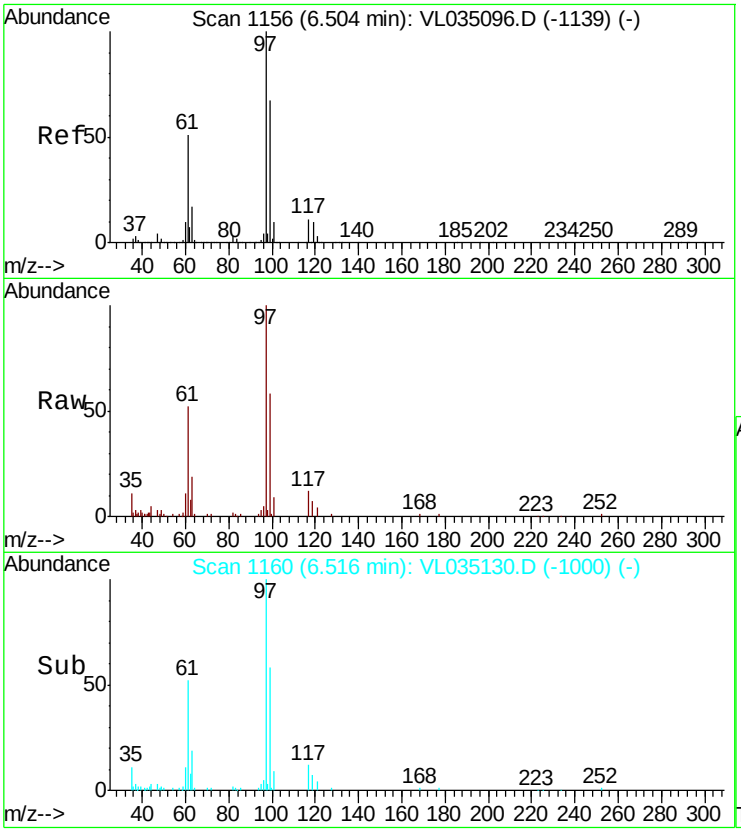


#26
Hexane
Concen: 0.298 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 57 Resp: 39763

Ion	Ratio	Lower	Upper
57	100		
41	145.3	72.9	109.3#
43	0.0	181.3	271.9#
56	77.2	43.1	64.7#



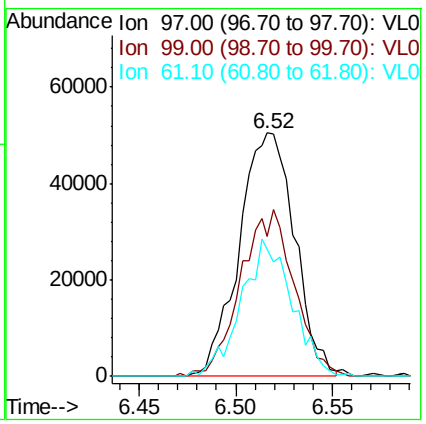


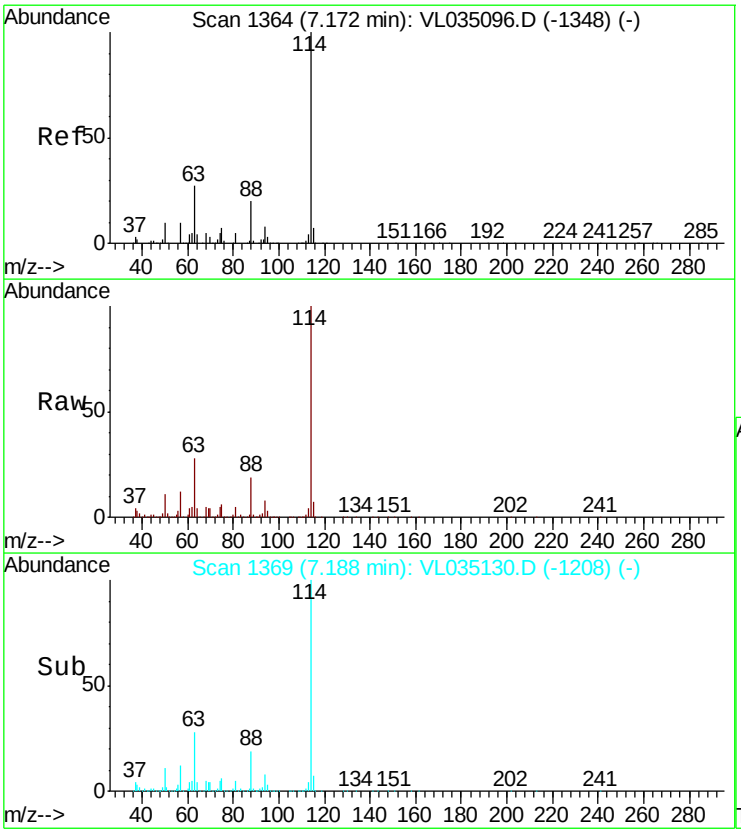
#32
1,1,1-Trichloroethane
Concen: 0.520 ppbv
RT: 6.52 min Scan# 1160
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 97 Resp: 100686

Ion	Ratio	Lower	Upper
97	100		
99	65.9	52.0	78.0
61	51.7	41.0	61.6

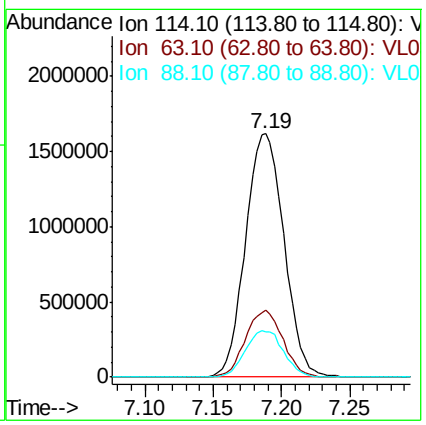


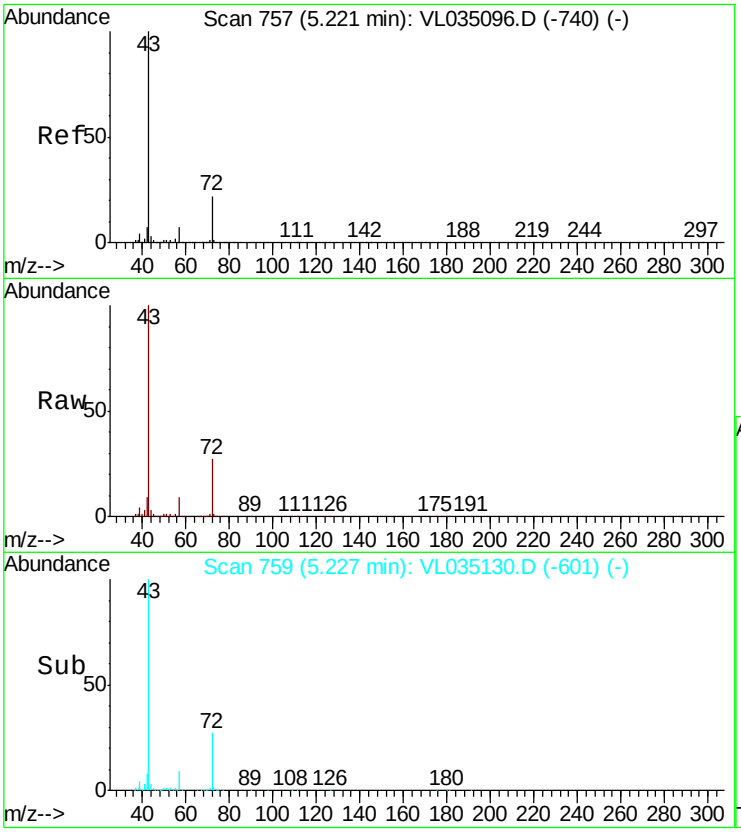


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion:114 Resp: 3167426

Ion	Ratio	Lower	Upper
114	100		
63	26.7	21.9	32.9
88	19.0	15.6	23.4



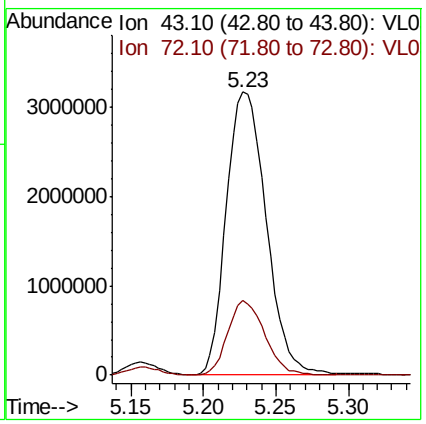


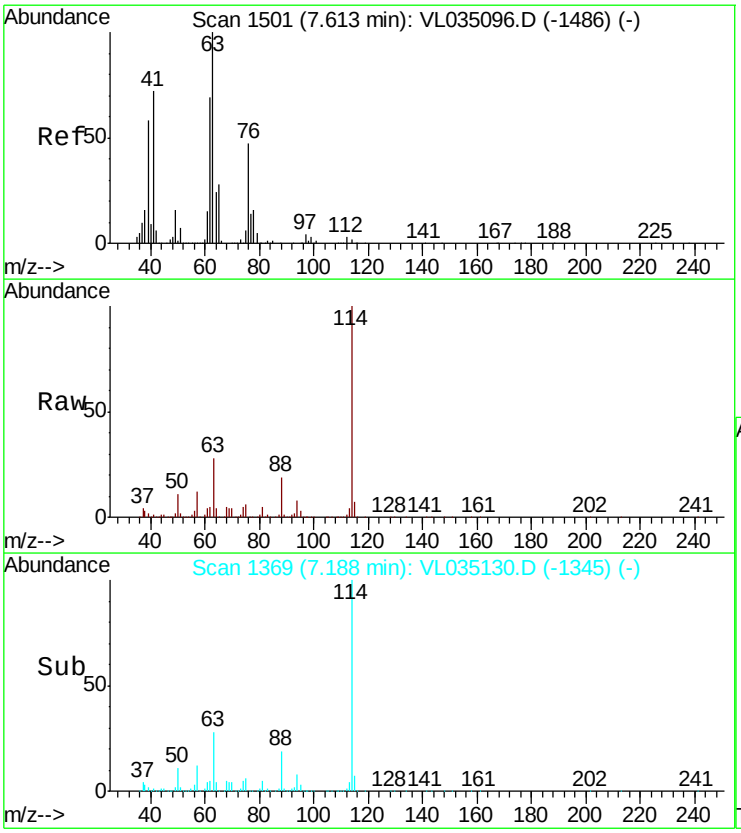
#34
2-Butanone
Concen: 33.248 ppbv
RT: 5.23 min Scan# 759
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 6047658

Ion	Ratio	Lower	Upper
43	100		
72	24.4	18.3	27.5

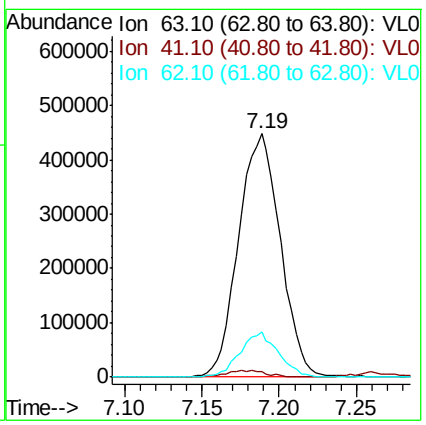


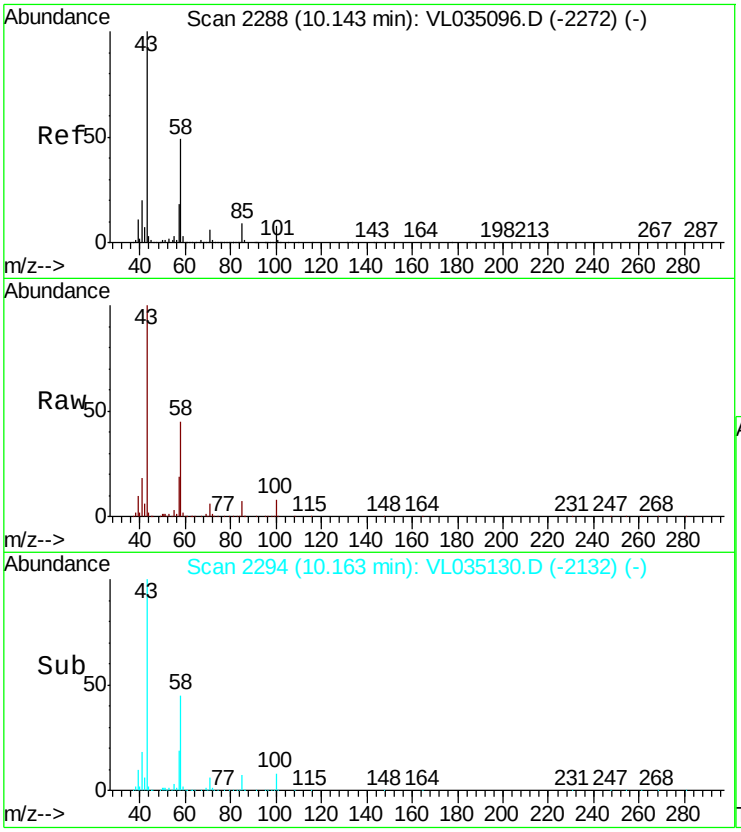


#39
1,2-Dichloropropane
Concen: 8.777 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.42 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 63 Resp: 841998

Ion	Ratio	Lower	Upper
63	100		
41	2.0	58.0	87.0#
62	18.5	55.4	83.0#



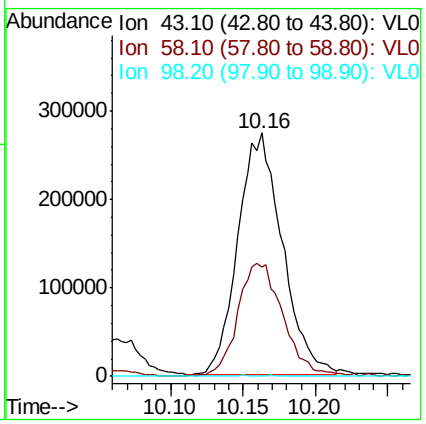


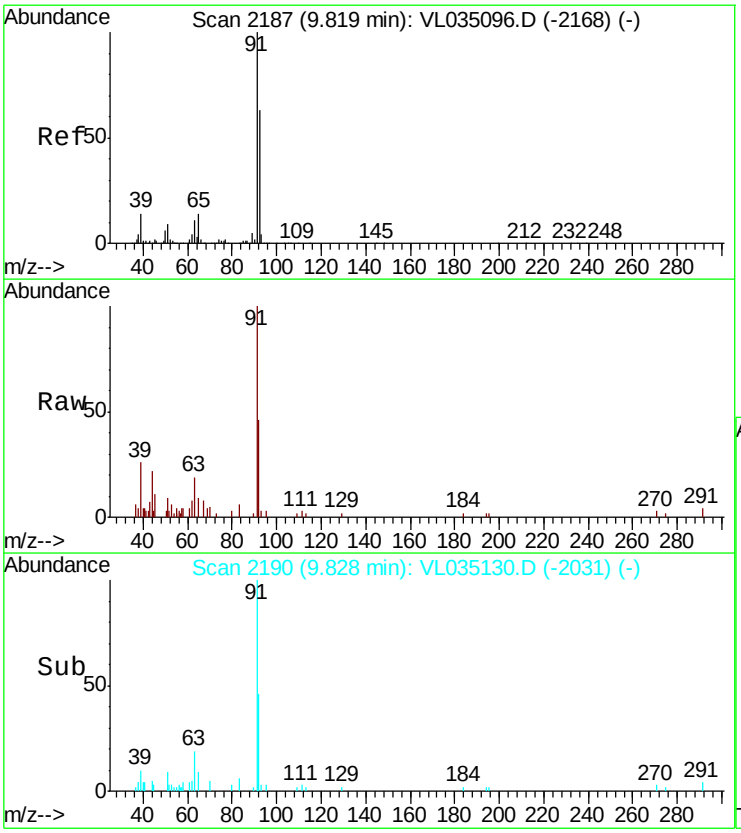
#51
2-Hexanone
Concen: 2.881 ppbv
RT: 10.16 min Scan# 2294
Delta R.T. 0.02 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 583098

Ion	Ratio	Lower	Upper
43	100		
58	47.9	39.2	58.8
98	0.4	0.3	0.5

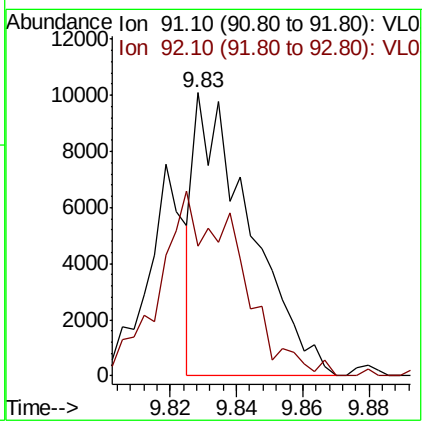


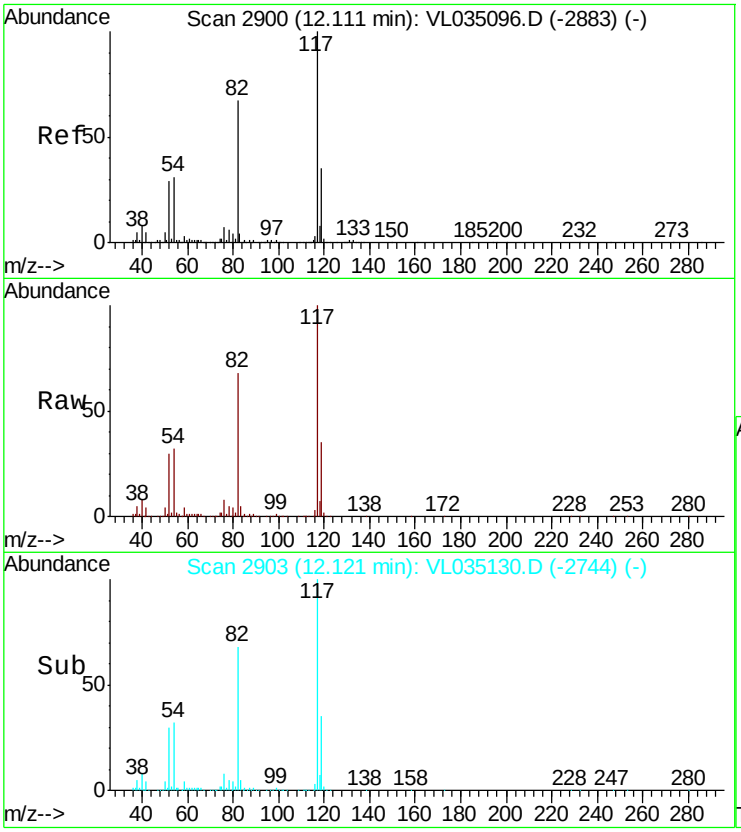


#53
Toluene
Concen: 0.045 ppbv
RT: 9.83 min Scan# 2190
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 91 Resp: 11736

Ion	Ratio	Lower	Upper
91	100		
92	96.4	49.0	73.6#



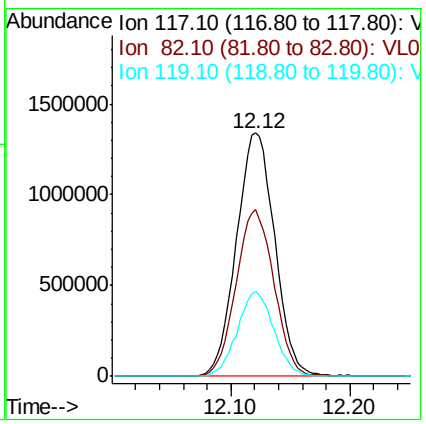


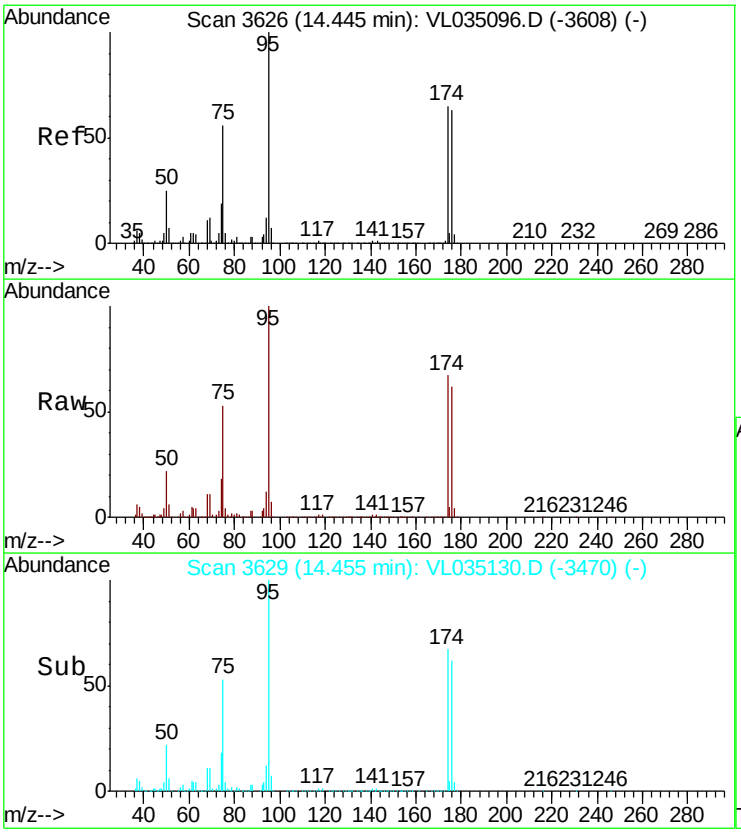
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion:117 Resp: 2991287

Ion	Ratio	Lower	Upper
117	100		
82	68.0	50.4	75.6
119	33.4	25.4	38.0





#68
1-Bromo-4-Fluorobenzene
Concen: 9.956 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035130.D
Acq: 30 Jun 2020 18:17

Tgt Ion: 95 Resp: 2474012

Ion	Ratio	Lower	Upper
95	100		
174	67.5	52.2	78.2
175	5.1	4.0	6.0