Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036185.D
Acq On : 17 Dec 2020 3:08
Operator : SY/AP
Sample : L5041-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId :

Quant Time: Dec 17 07:42:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.68	49	1329081	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.19	114	2593054	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.11	117	2403337	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.44	95	2143047	11.23	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 112.30%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.99	51	68533	0.452	ppbv		98
4) Chloromethane	3.14	50	56693	0.762	ppbv		91
7) Chloroethane	3.56	64	82240	2.915	ppbv		91
9) Propene	3.02	41	60196	0.792	ppbv	#	82
11) Trichlorofluoromethane	3.96	101	207386	1.139	ppbv		98
13) Ethanol	3.62	45	499013	47.652	ppbv		90
15) Acetone	3.85	43	1030526	6.451	ppbv		100
16) 1,3-Butadiene	3.31	39	34742	0.432	ppbv	#	18
17) tert-Butyl alcohol	4.30	59	17356	0.112	ppbv	#	38
18) 1,1-Dichloroethene	4.30	96	117952	2.148	ppbv		94
19) Isopropyl Alcohol	3.98	45	1460708	14.962	ppbv	#	100
20) Methylene Chloride	4.35	84	580363	8.866	ppbv		95
22) trans-1,2-Dichloroethene	4.89	96	11854	0.216	ppbv	#	76
23) Vinyl Acetate	5.07	43	48107	0.226	ppbv	#	71
24) 1,1-Dichloroethane	5.02	63	1165544	7.792	ppbv		99
25) Ethyl Acetate	5.70	43	465981	1.460	ppbv	#	79
26) Hexane	5.70	57	619308	4.312	ppbv	#	39
31) cis-1,2-Dichloroethene	5.56	61	4426	0.034	ppbv	#	47
34) 2-Butanone	5.26	43	71245	0.414	ppbv	#	84
36) Benzene	6.90	78	6603	0.030	ppbv		97
39) 1,2-Dichloropropane	7.19	63	866817	9.988	ppbv	#	24
41) Tetrahydrofuran	5.74	42	4081	0.040	ppbv	#	59
53) Toluene	9.83	91	183316	0.743	ppbv		96
58) Ethyl Benzene	12.73	91	23872	0.072	ppbv		96
59) m/p-Xylene	13.03	91	14492	0.052	ppbv	#	34
60) o-Xylene	13.72	91	28291	0.108	ppbv		75
65) tert-Butylbenzene	17.01	119	333921	1.053	ppbv	#	19
74) 1,2,4-Trimethylbenzene	16.79	105	47985	0.177	ppbv	#	69
75) 1,3-Dichlorobenzene	17.02	146	96600	0.711	ppbv	#	1

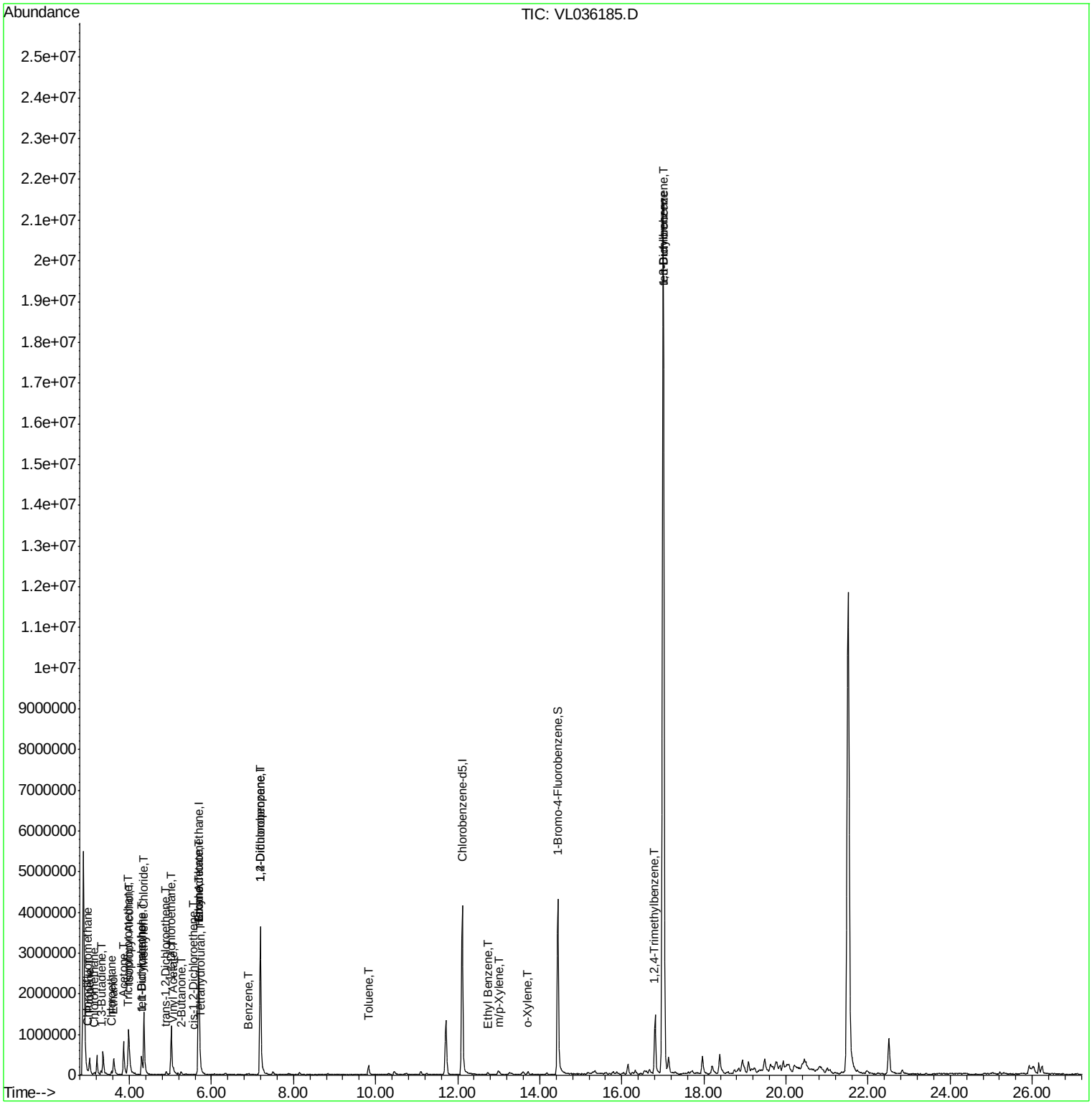
(#) = qualifier out of range (m) = manual integration (+) = signals summed

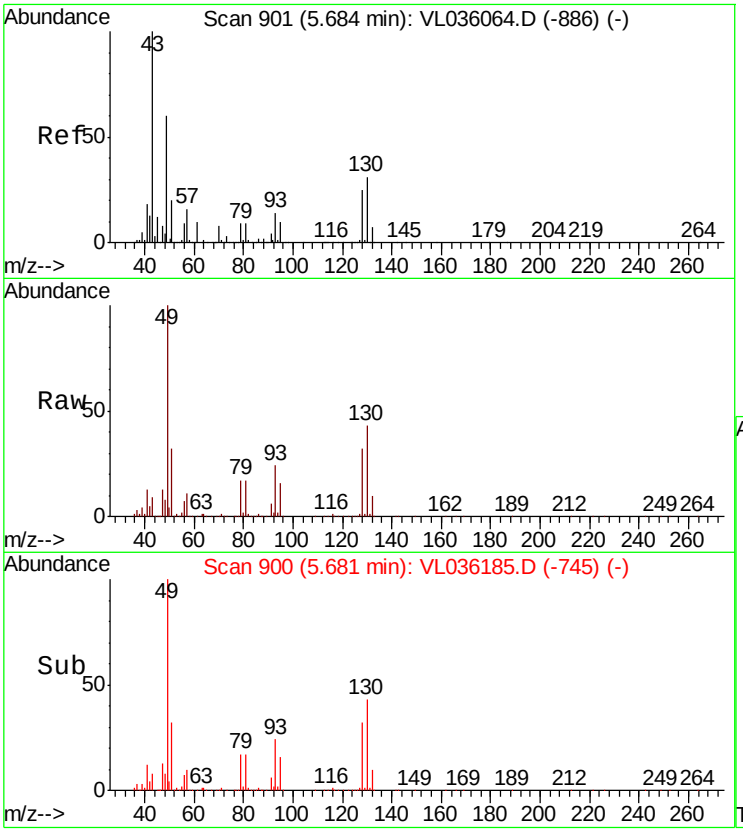
Quantitation Report (Not Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036185.D
Acq On : 17 Dec 2020 3:08
Operator : SY/AP
Sample : L5041-01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 17 07:42:33 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LMon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration



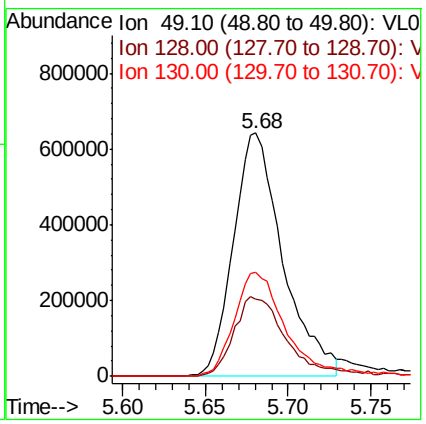


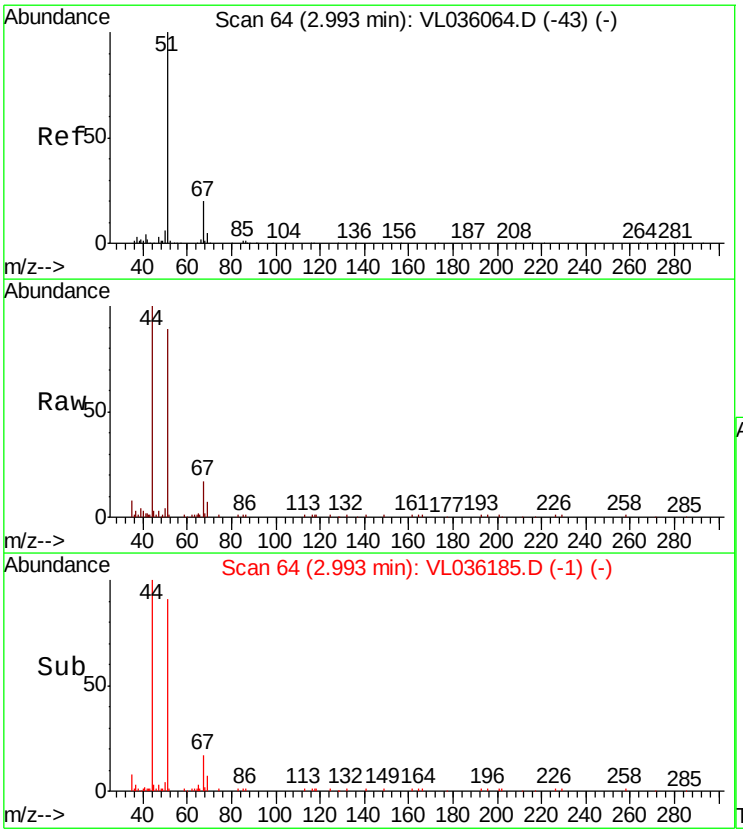
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 49 Resp: 1329081

Ion	Ratio	Lower	Upper
49	100		
128	35.8	21.1	63.1
130	46.7	27.1	81.3

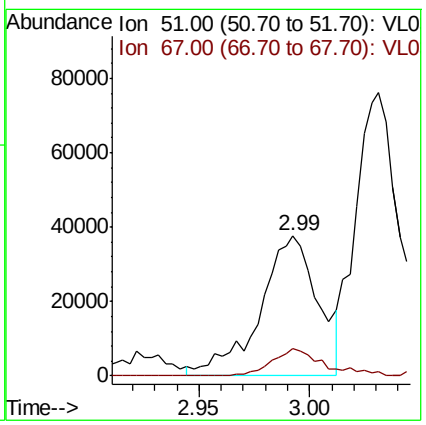


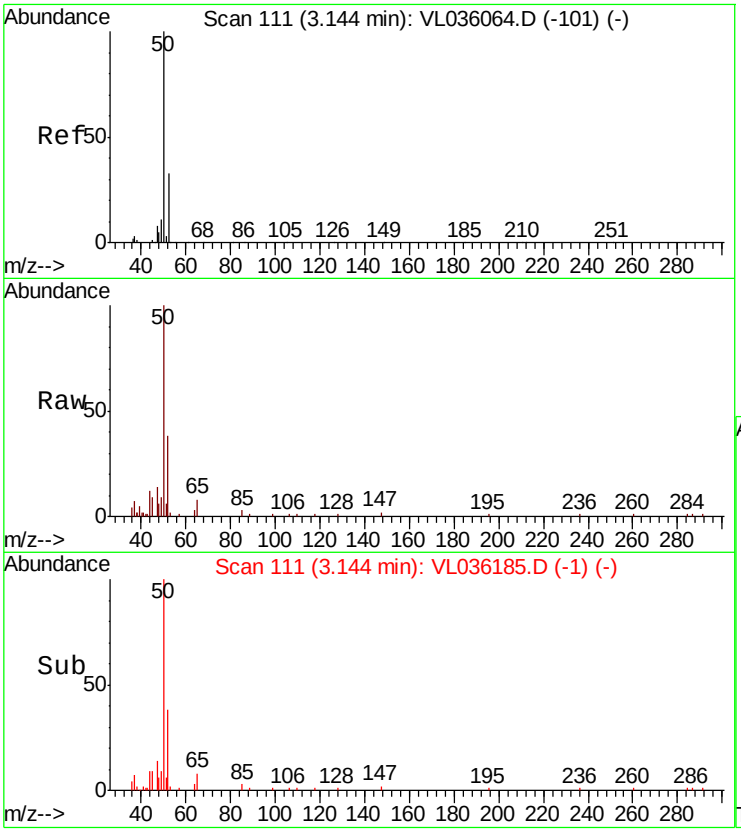


#3
Chlorodifluoromethane
Concen: 0.452 ppbv
RT: 2.99 min Scan# 64
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 51 Resp: 68533

Ion	Ratio	Lower	Upper
51	100		
67	18.9	14.3	21.5



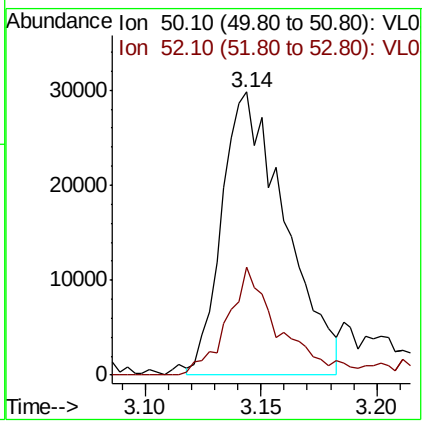


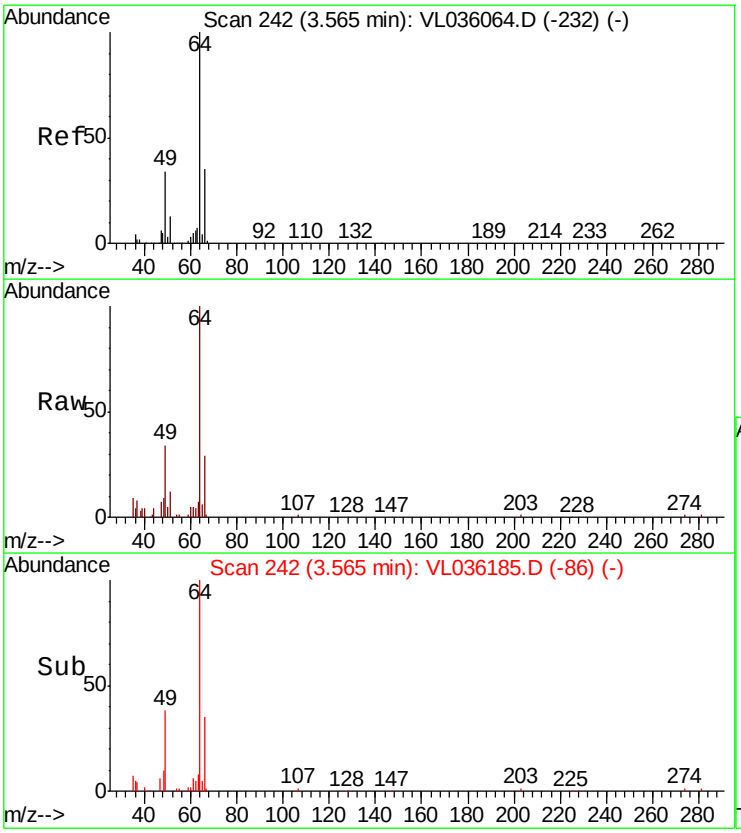
#4
Chloromethane
Concen: 0.762 ppbv
RT: 3.14 min Scan# 111
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 50 Resp: 56693

Ion	Ratio	Lower	Upper
50	100		
52	37.9	26.1	39.1

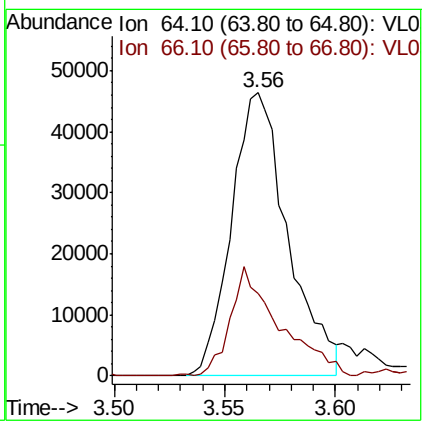


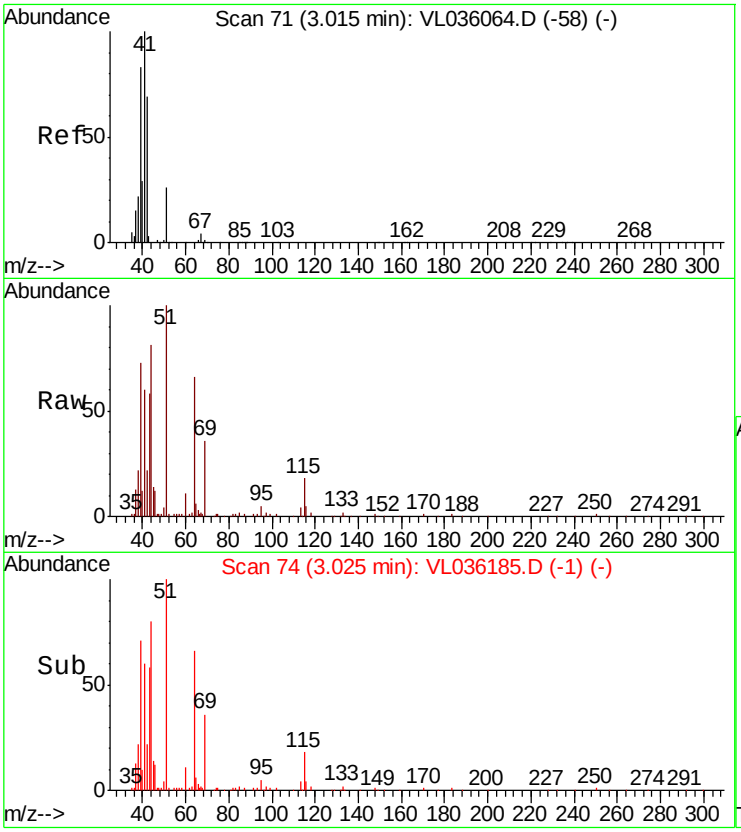


#7
Chloroethane
Concen: 2.915 ppbv
RT: 3.56 min Scan# 242
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 64 Resp: 82240

Ion	Ratio	Lower	Upper
64	100		
66	29.2	27.7	41.5



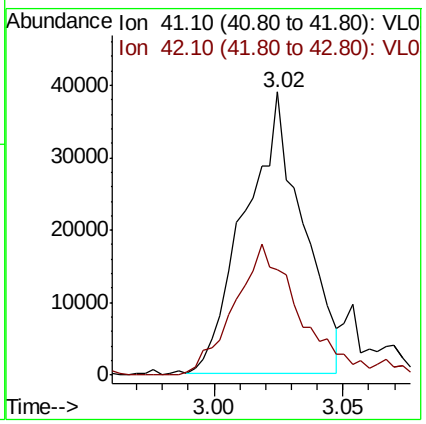


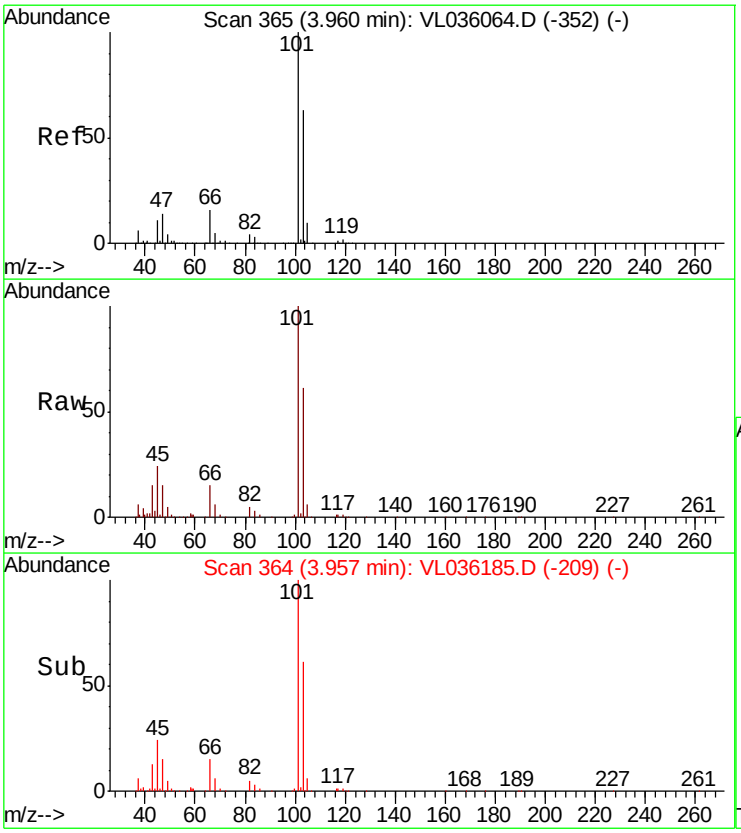
#9
Propene
Concen: 0.792 ppbv
RT: 3.02 min Scan# 74
Delta R.T. 0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 41 Resp: 60196

Ion	Ratio	Lower	Upper
41	100		
42	56.4	57.0	85.6#

Instrument :
MSVOA_L
ClientSampleId :

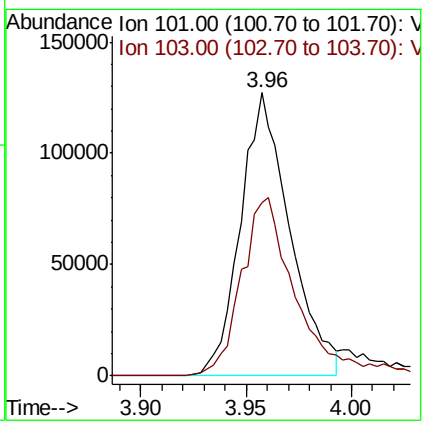


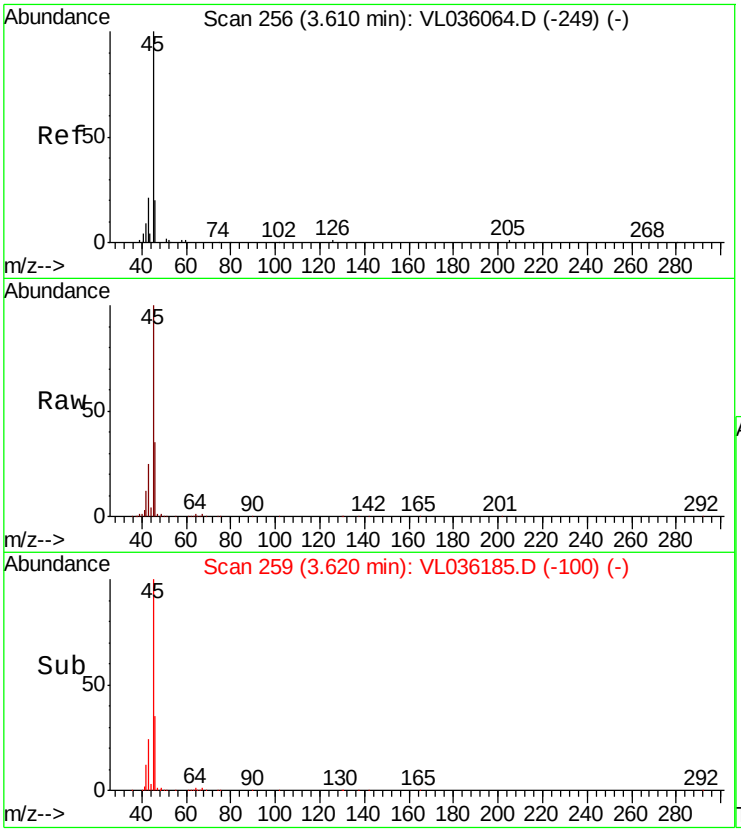


#11
Trichlorofluoromethane
Concen: 1.139 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion:101 Resp: 207386

Ion	Ratio	Lower	Upper
101	100		
103	61.1	50.3	75.5



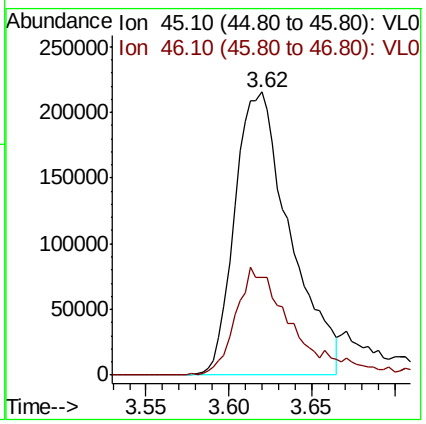


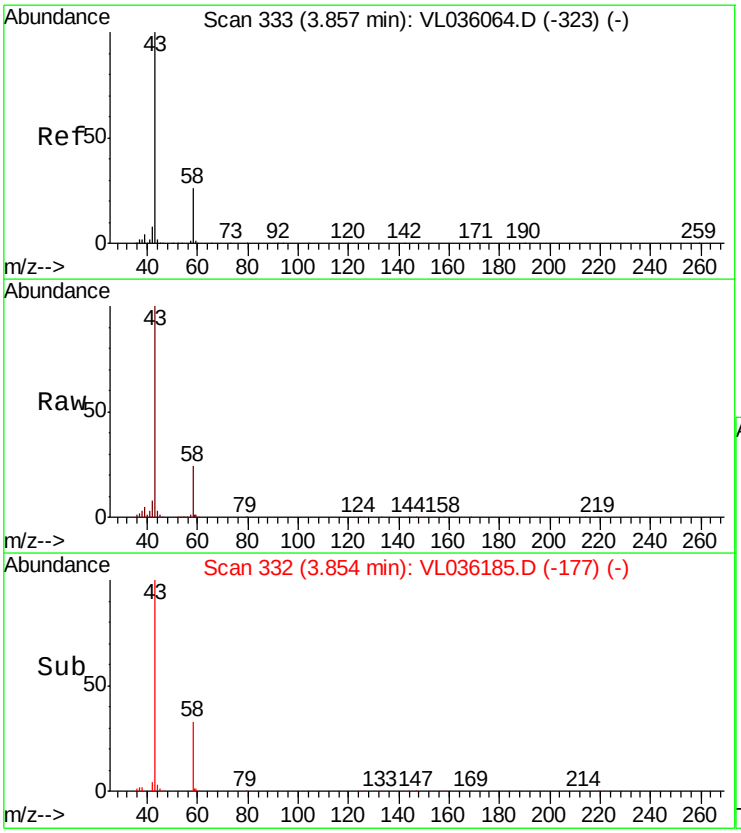
#13
Ethanol
Concen: 47.652 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 45 Resp: 499013

Ion	Ratio	Lower	Upper
45	100		
46	40.7	19.0	75.8

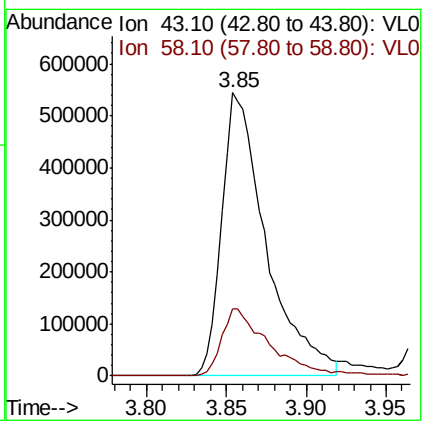


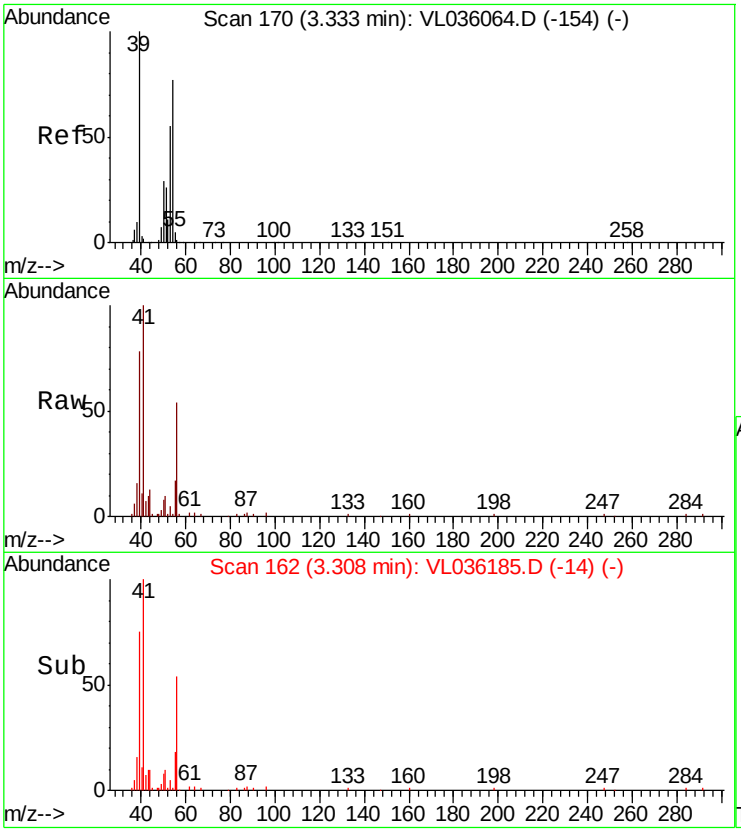


#15
Acetone
Concen: 6.451 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 43 Resp: 1030526

Ion	Ratio	Lower	Upper
43	100		
58	26.0	20.9	31.3



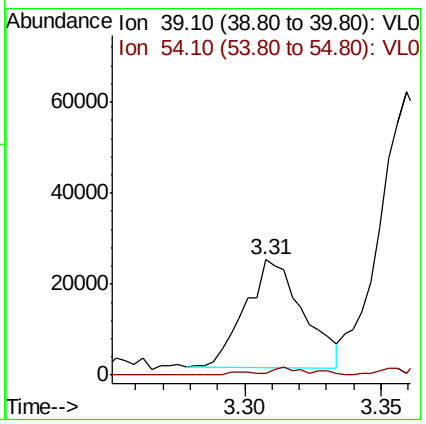


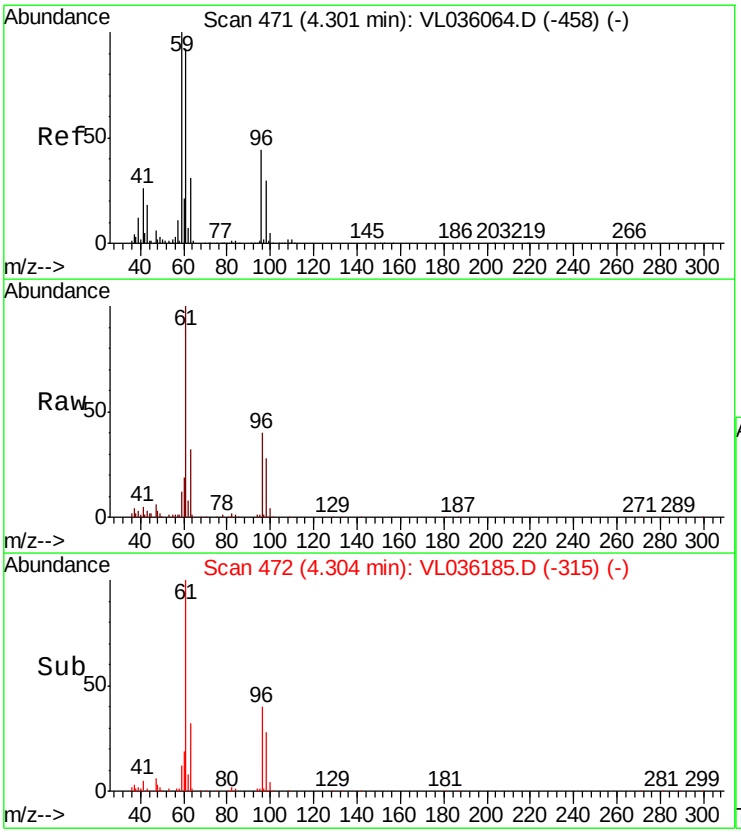
#16
1,3-Butadiene
Concen: 0.432 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.03 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 39 Resp: 34742

Ion	Ratio	Lower	Upper
39	100		
54	6.5	62.1	93.1#

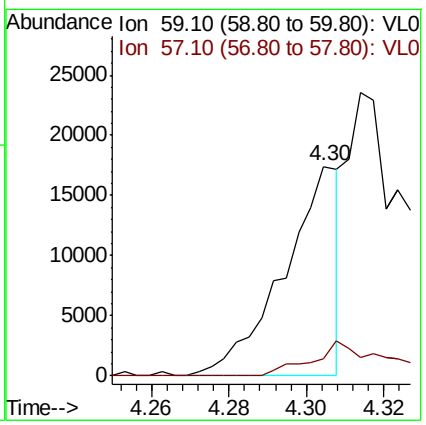


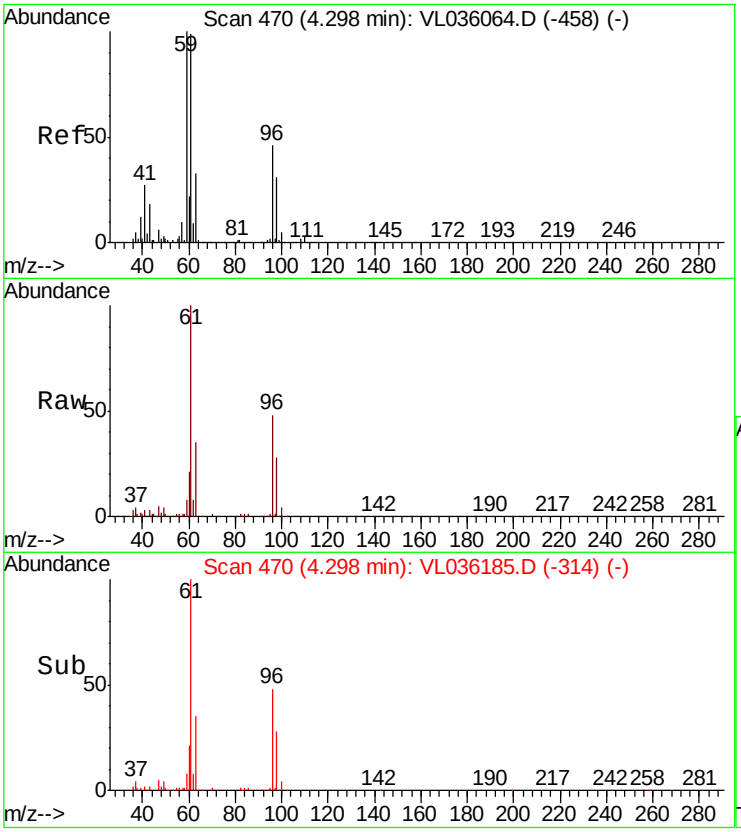


#17
tert-Butyl alcohol
Concen: 0.112 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 59 Resp: 17356

Ion	Ratio	Lower	Upper
59	100		
57	34.3	8.7	13.1#



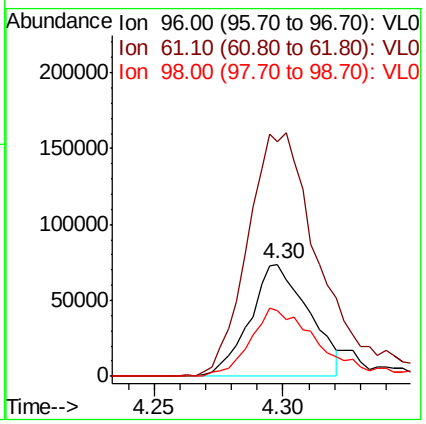


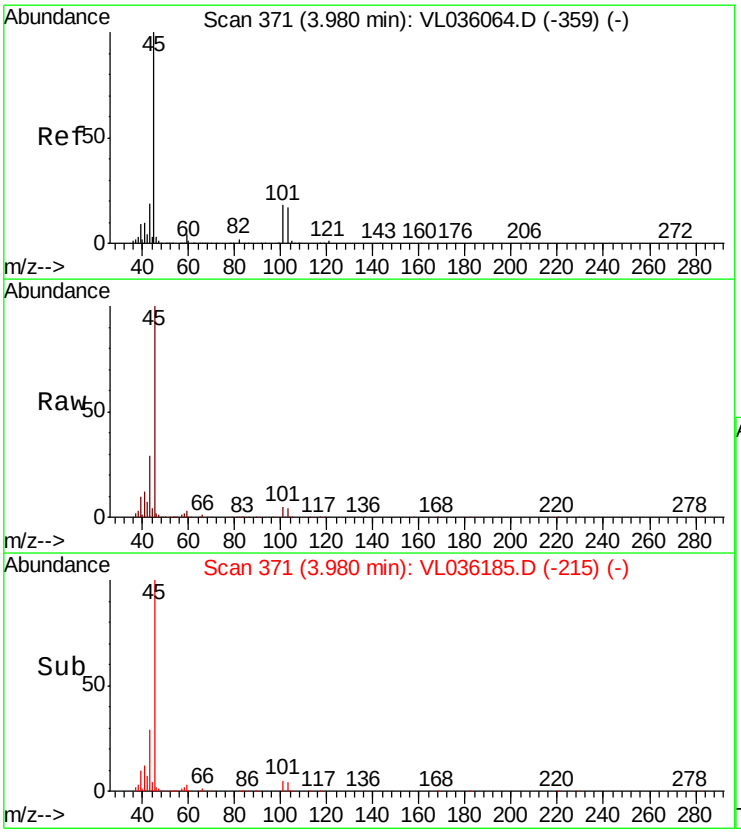
#18
1,1-Dichloroethene
Concen: 2.148 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 96 Resp: 117952

Ion	Ratio	Lower	Upper
96	100		
61	207.8	171.4	257.2
98	58.9	54.2	81.2

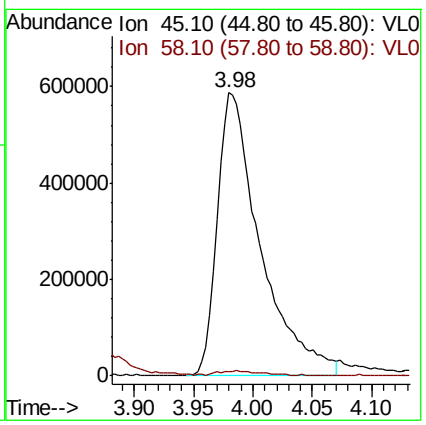


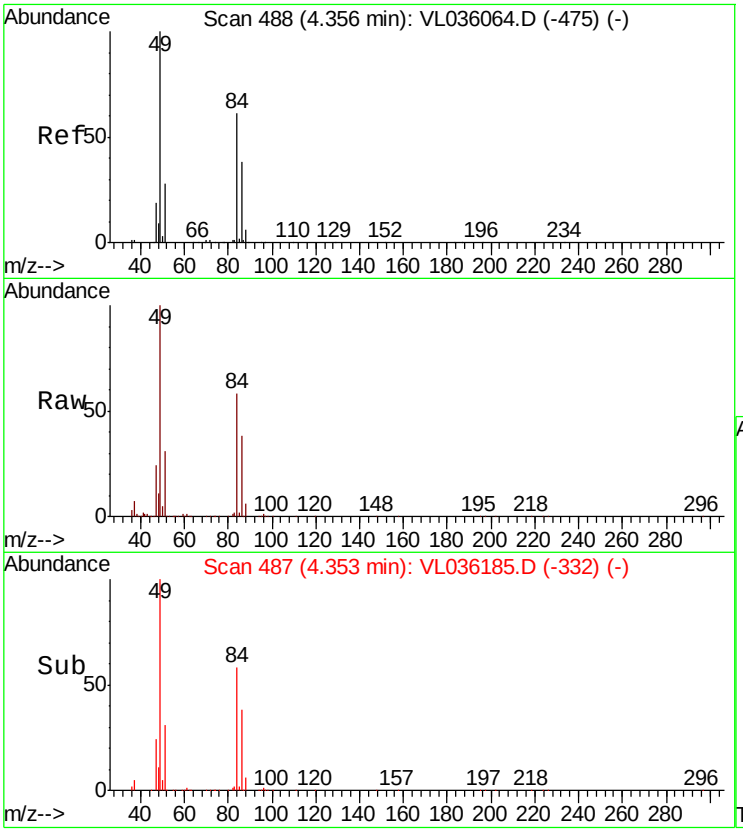


#19
Isopropyl Alcohol
Concen: 14.962 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 45 Resp: 1460708

Ion	Ratio	Lower	Upper
45	100		
58	2.1	0.0	0.0#



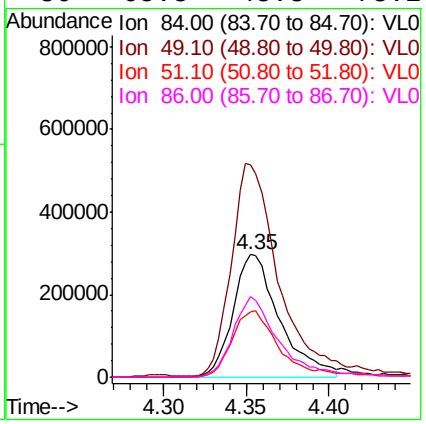


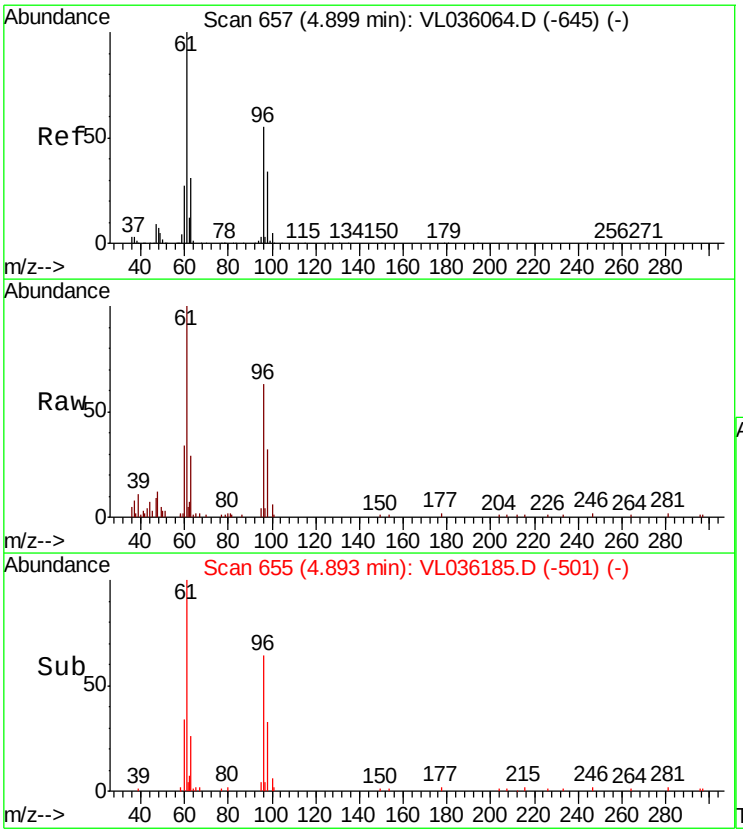
#20
Methylene Chloride
Concen: 8.866 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 84 Resp: 580363

Ion	Ratio	Lower	Upper
84	100		
49	171.3	133.0	199.4
51	53.0	38.9	58.3
86	65.3	48.8	73.2

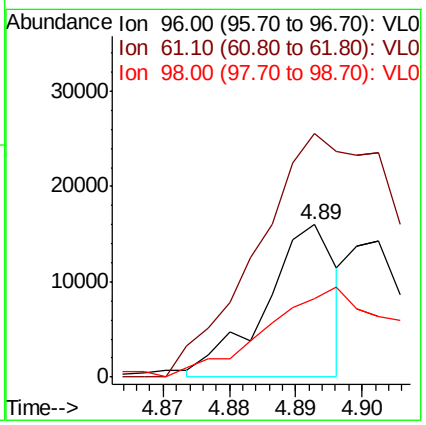


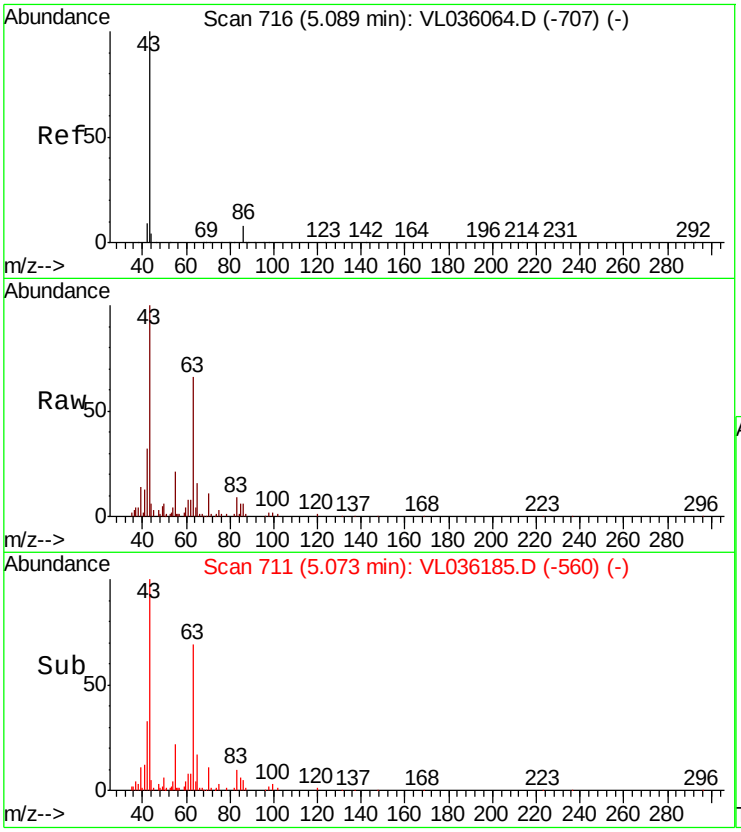


#22
trans-1,2-Dichloroethene
Concen: 0.216 ppbv
RT: 4.89 min Scan# 655
Delta R.T. -0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 96 Resp: 11854

Ion	Ratio	Lower	Upper
96	100		
61	145.4	145.7	218.5#
98	47.6	49.2	73.8#



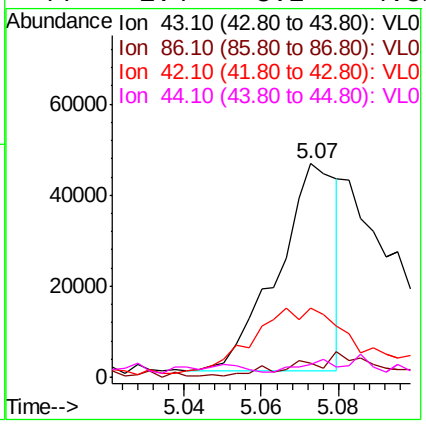


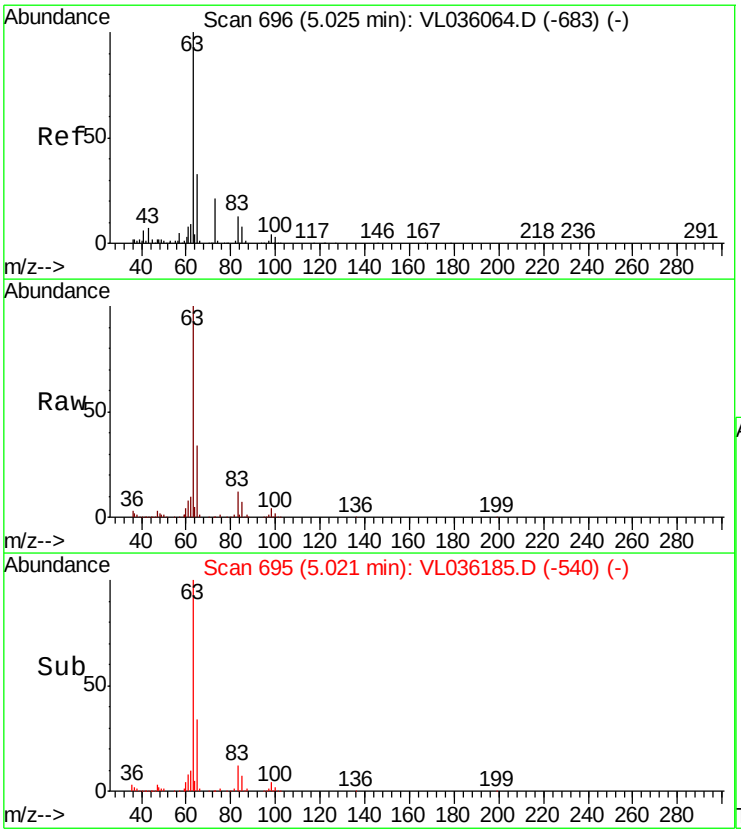
#23
Vinyl Acetate
Concen: 0.226 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.02 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 48107

Ion	Ratio	Lower	Upper
43	100		
86	5.7	5.0	7.4
42	30.1	7.8	11.6#
44	1.4	3.2	4.8#

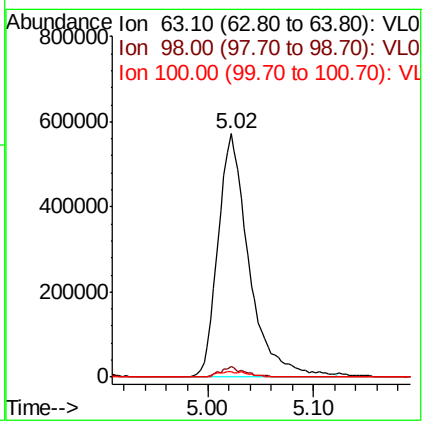


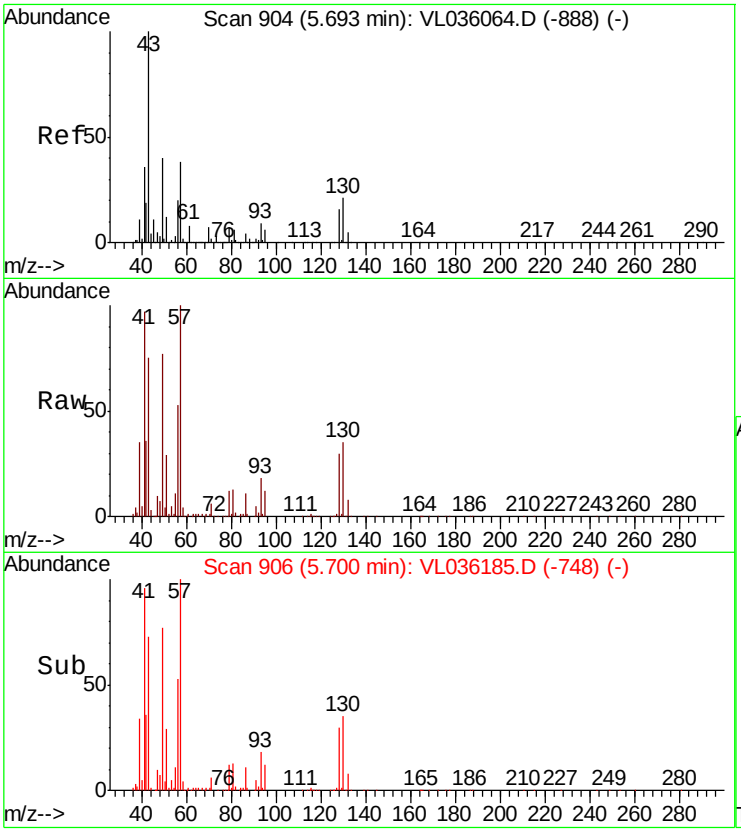


#24
1,1-Dichloroethane
Concen: 7.792 ppbv
RT: 5.02 min Scan# 695
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 63 Resp: 1165544

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.2	6.6
100	2.2	1.5	4.4



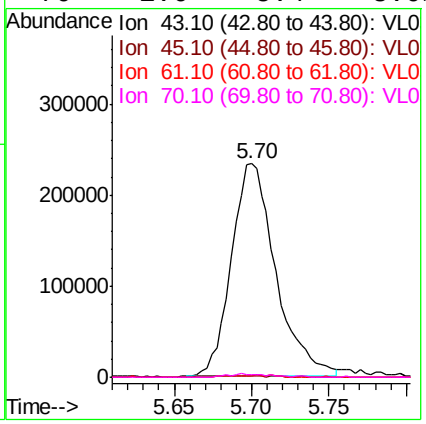


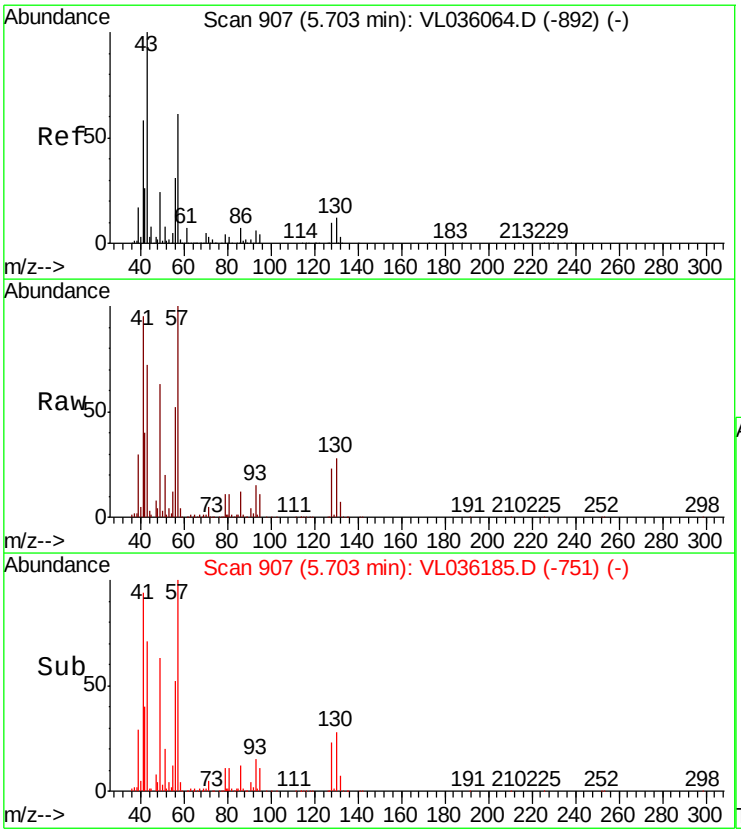
#25
Ethyl Acetate
Concen: 1.460 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 465981

Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.2	12.4#
61	1.0	7.4	11.2#
70	1.6	5.4	8.0#

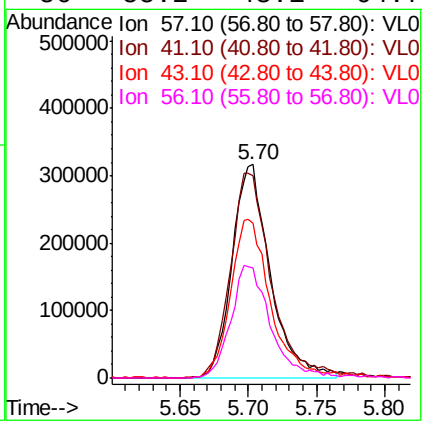


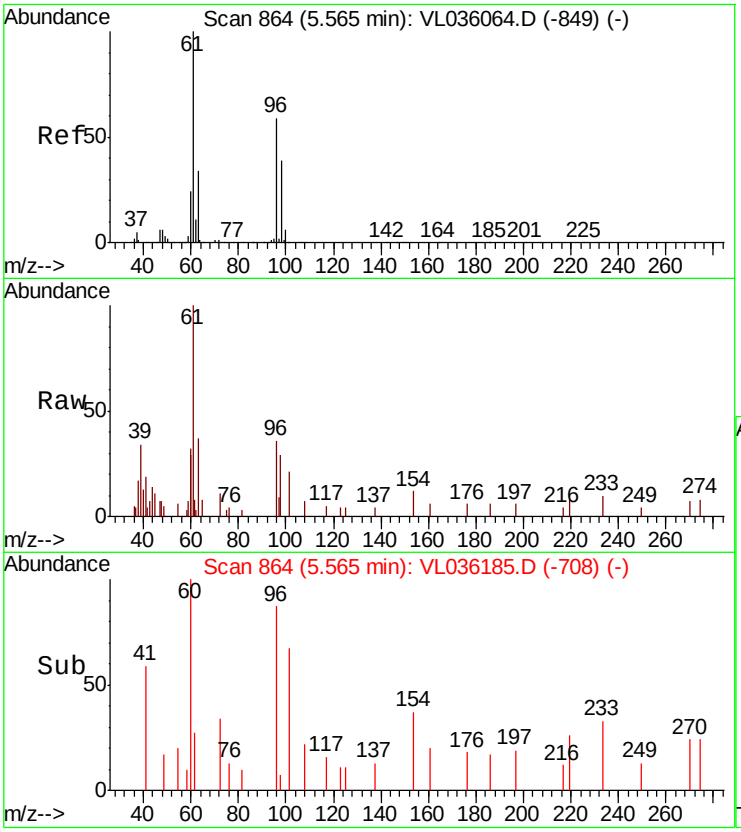


#26
Hexane
Concen: 4.312 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 57 Resp: 619308

Ion	Ratio	Lower	Upper
57	100		
41	102.9	82.9	124.3
43	77.7	199.9	299.9#
56	55.2	43.1	64.7



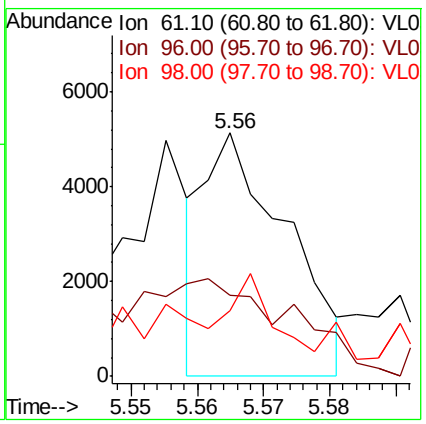


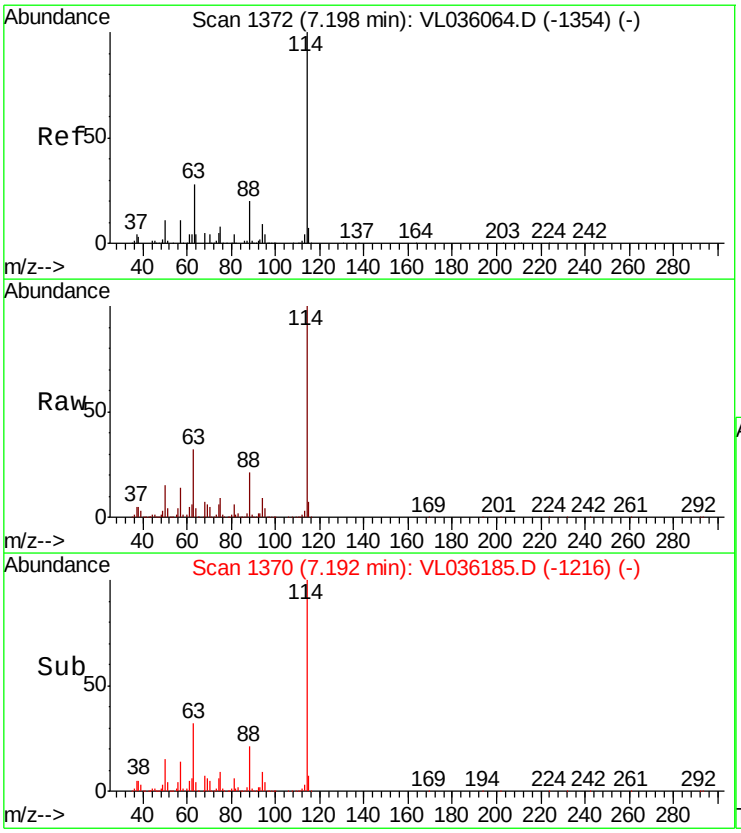
#31
cis-1,2-Dichloroethene
Concen: 0.034 ppbv
RT: 5.56 min Scan# 864
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 61 Resp: 4426

Ion	Ratio	Lower	Upper
61	100		
96	19.9	47.3	70.9#
98	6.3	31.4	47.0#

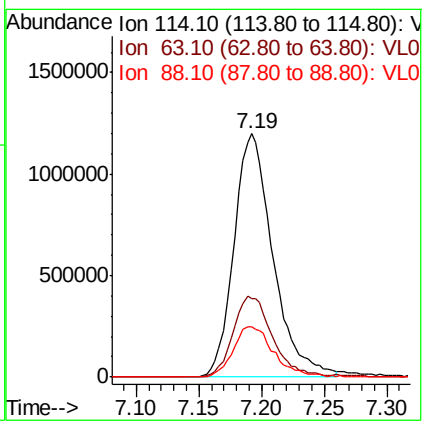


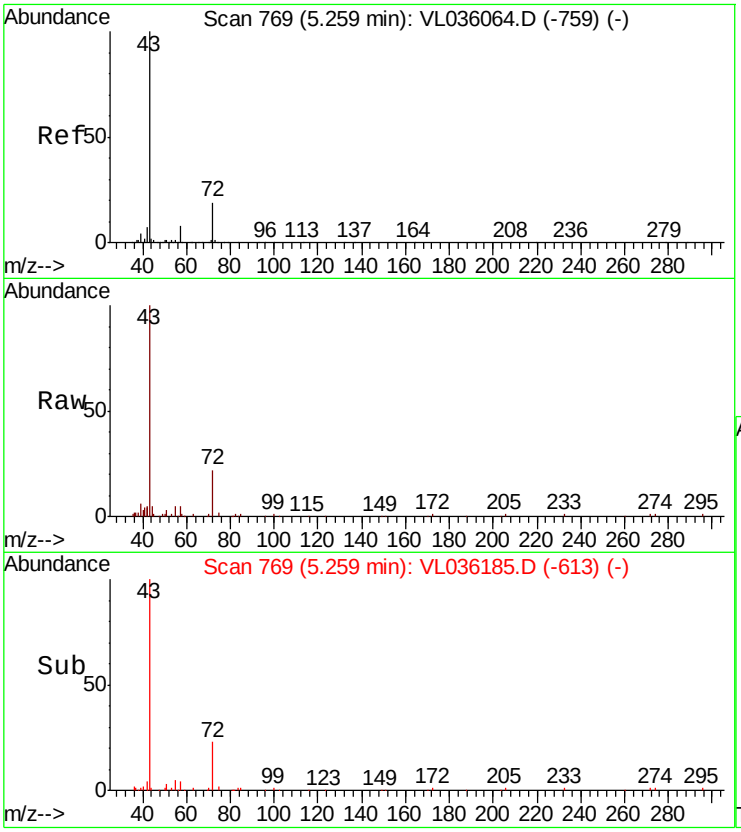


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion:114 Resp: 2593054

Ion	Ratio	Lower	Upper
114	100		
63	34.4	23.6	35.4
88	22.0	15.8	23.6



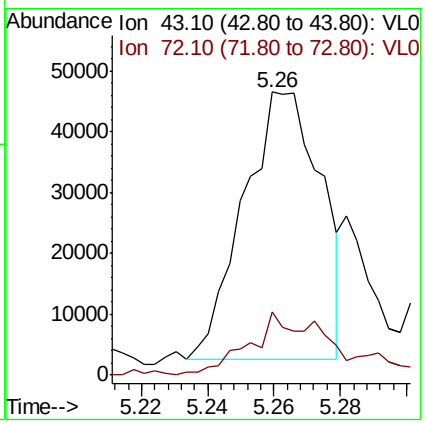


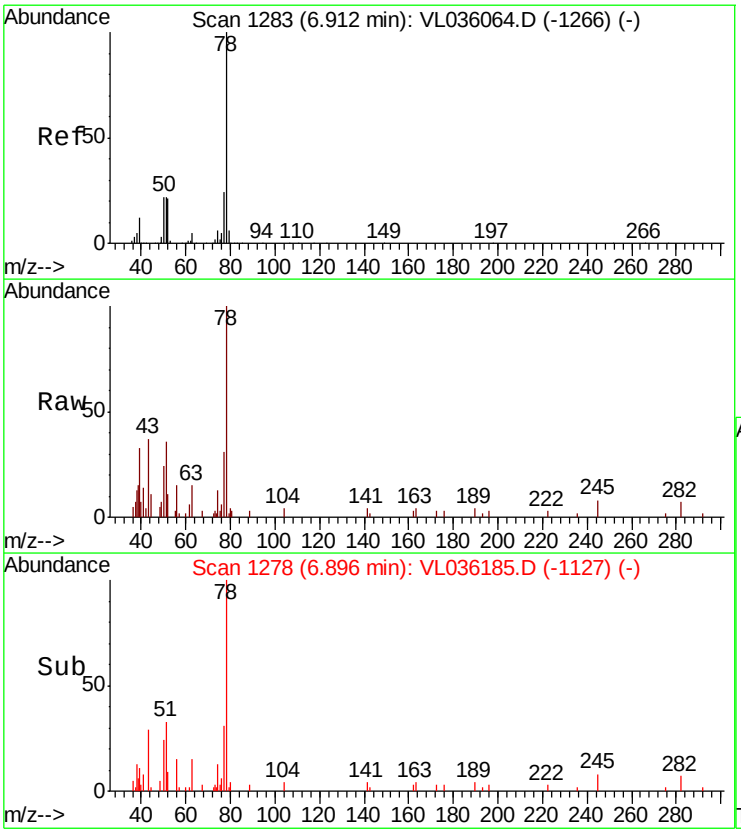
#34
2-Butanone
Concen: 0.414 ppbv
RT: 5.26 min Scan# 769
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 43 Resp: 71245

Ion	Ratio	Lower	Upper
43	100		
72	27.9	16.5	24.7#

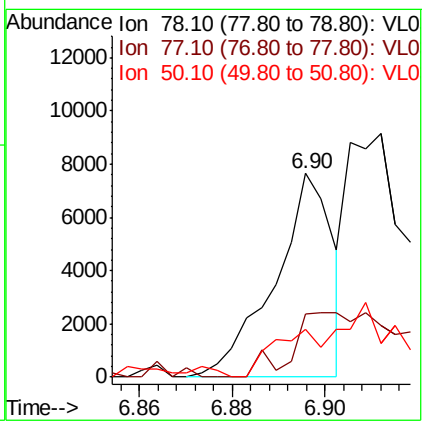


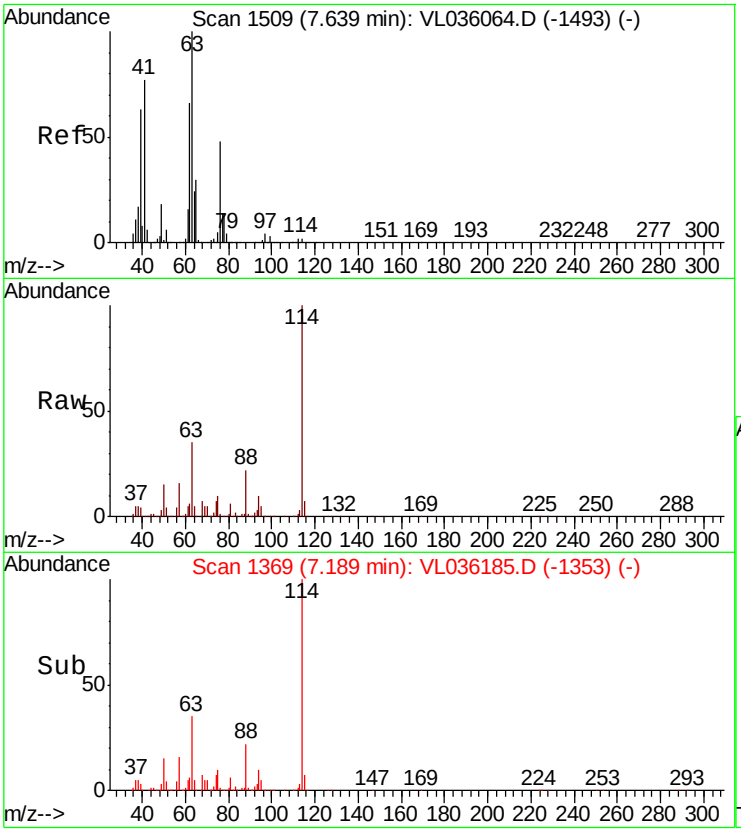


#36
Benzene
Concen: 0.030 ppbv
RT: 6.90 min Scan# 1278
Delta R.T. -0.02 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 78 Resp: 6603

Ion	Ratio	Lower	Upper
78	100		
77	26.5	19.4	29.2
50	21.2	17.8	26.8



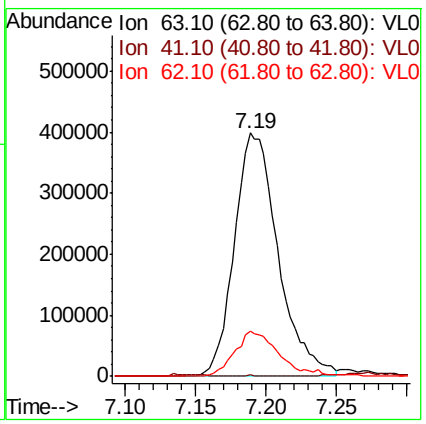


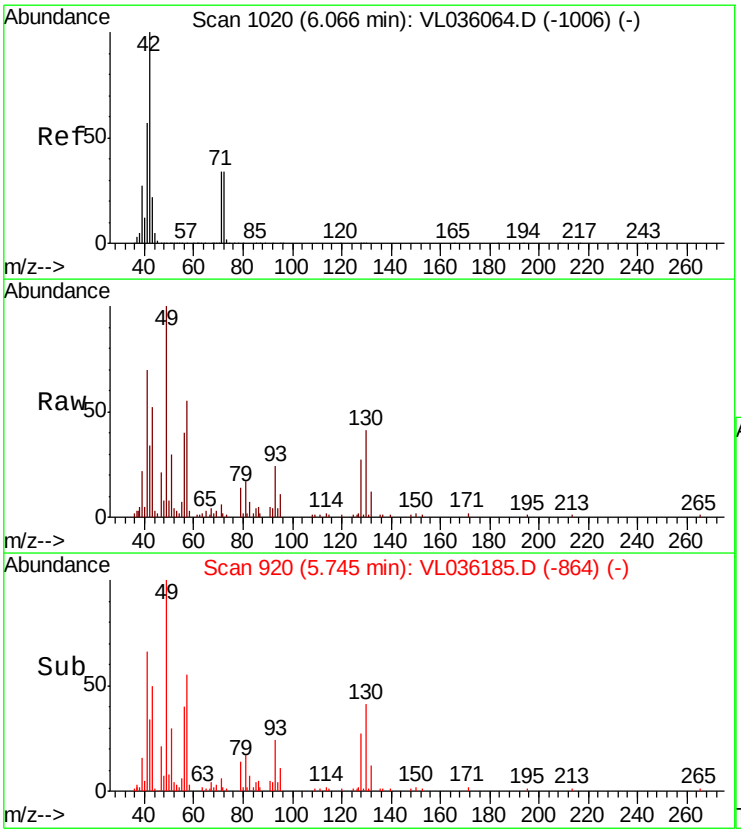
#39
1,2-Dichloropropane
Concen: 9.988 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.45 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 63 Resp: 866817

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.9	92.9#
62	18.4	52.5	78.7#

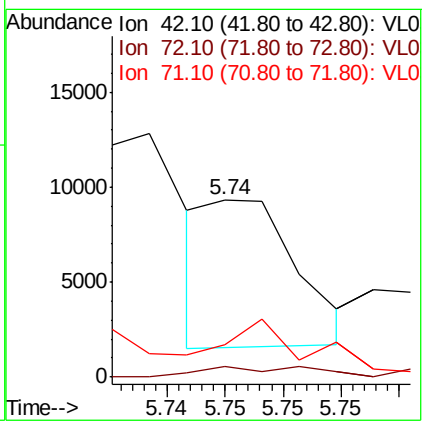


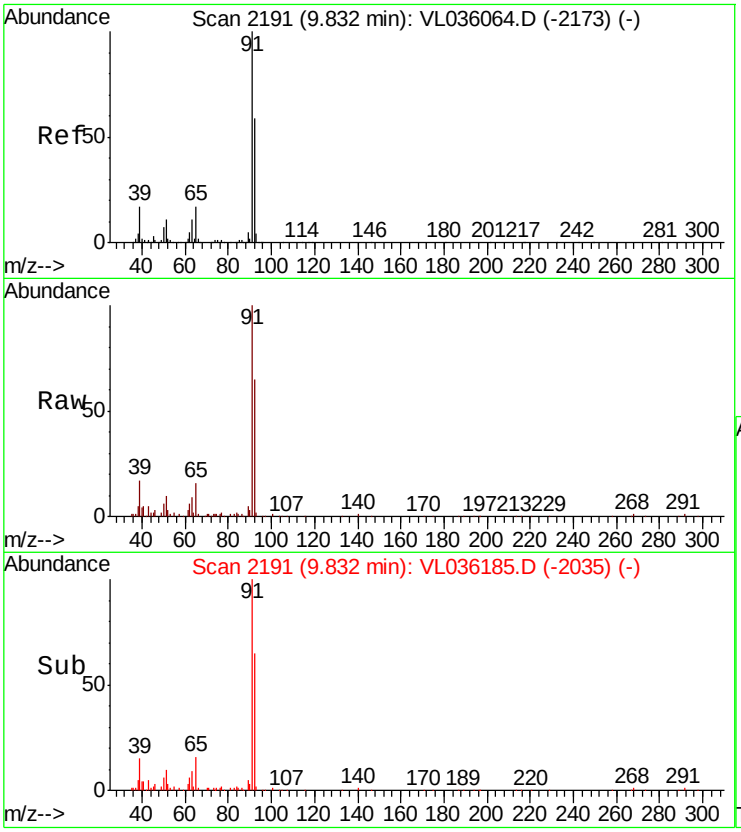


#41
Tetrahydrofuran
Concen: 0.040 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.32 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 42 Resp: 4081

Ion	Ratio	Lower	Upper
42	100		
72	22.0	28.3	42.5#
71	0.0	27.3	40.9#



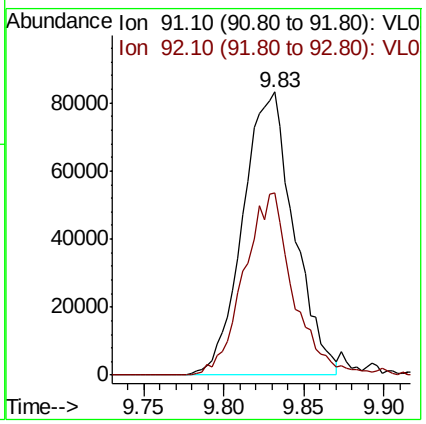


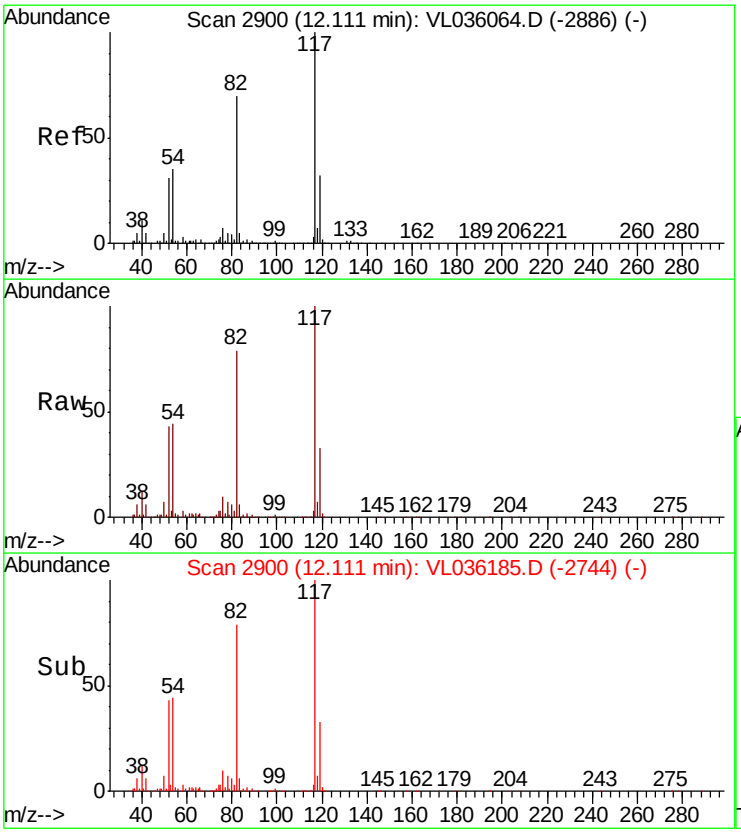
#53
Toluene
Concen: 0.743 ppbv
RT: 9.83 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 183316

Ion	Ratio	Lower	Upper
91	100		
92	62.9	48.2	72.2

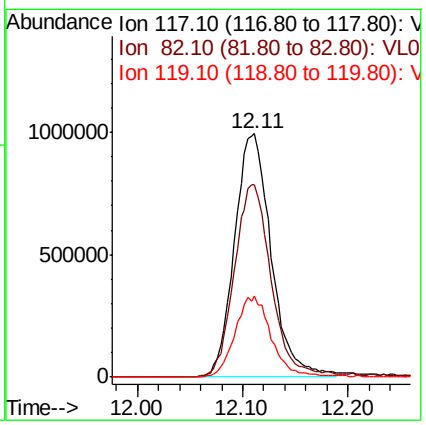


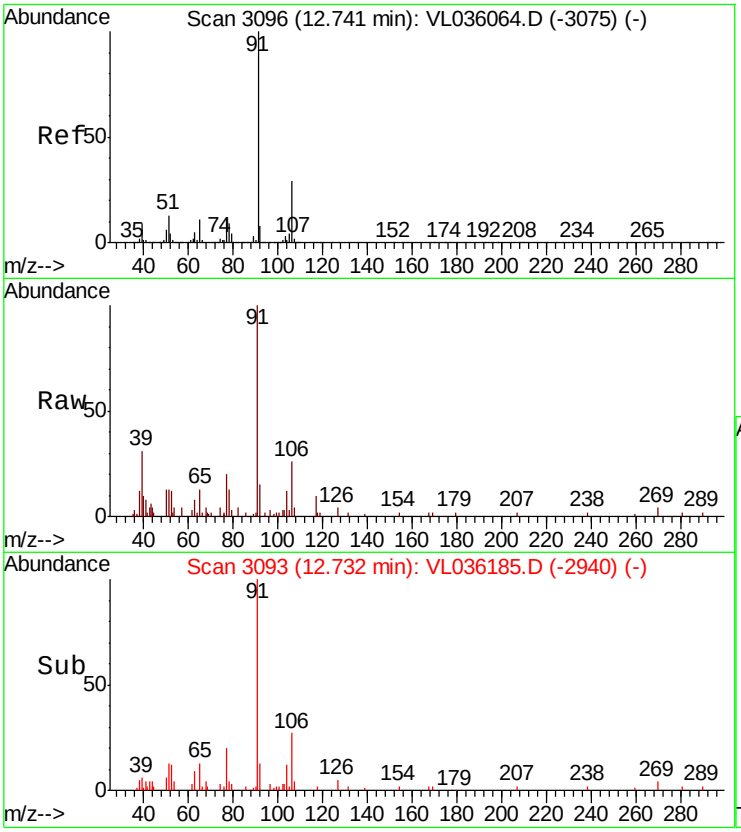


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion:117 Resp: 2403337

Ion	Ratio	Lower	Upper
117	100		
82	80.9	0.0	0.0#
119	33.3	0.0	0.0#



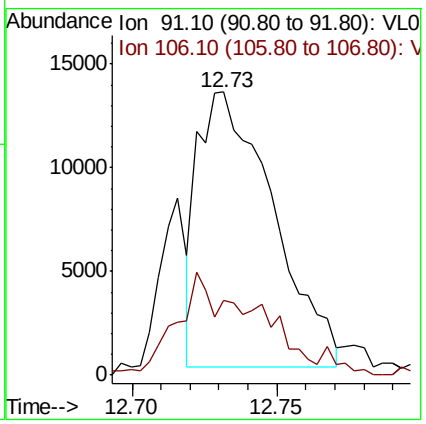


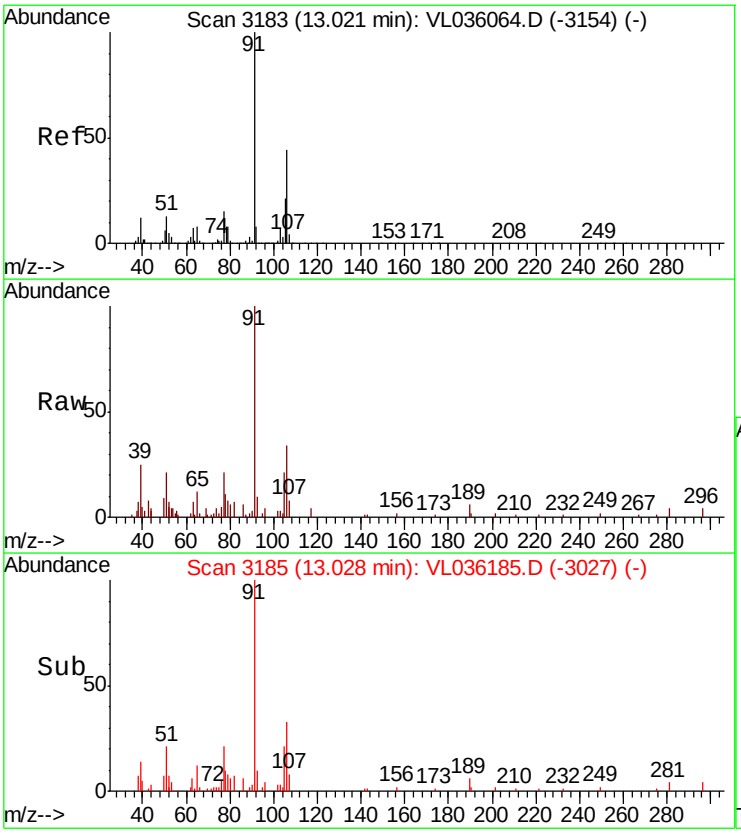
#58
Ethyl Benzene
Concen: 0.072 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument : MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 23872

Ion	Ratio	Lower	Upper
91	100		
106	26.4	23.0	34.4

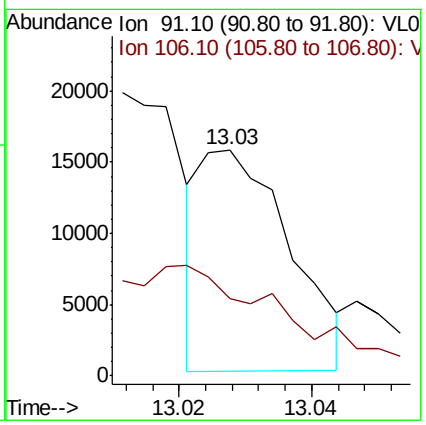


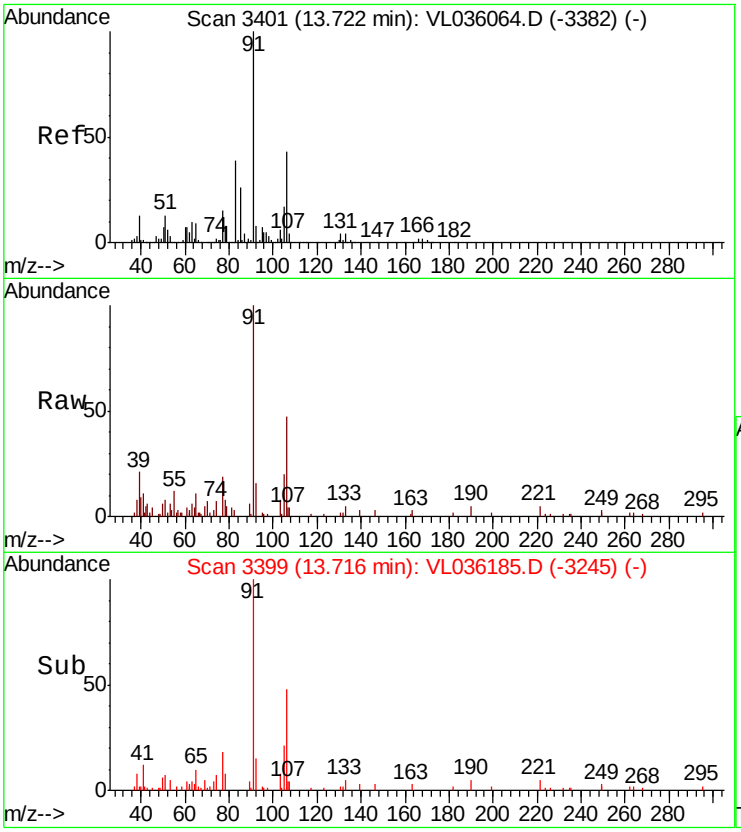


#59
m/p-Xylene
Concen: 0.052 ppbv
RT: 13.03 min Scan# 3185
Delta R.T. 0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion: 91 Resp: 14492

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#



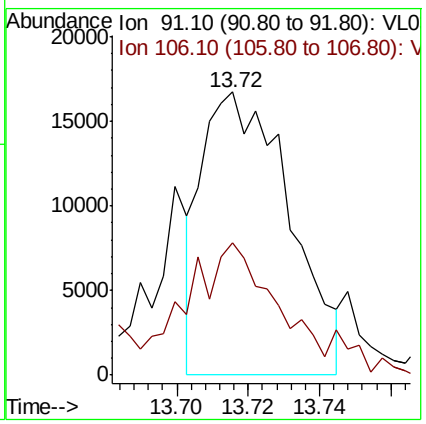


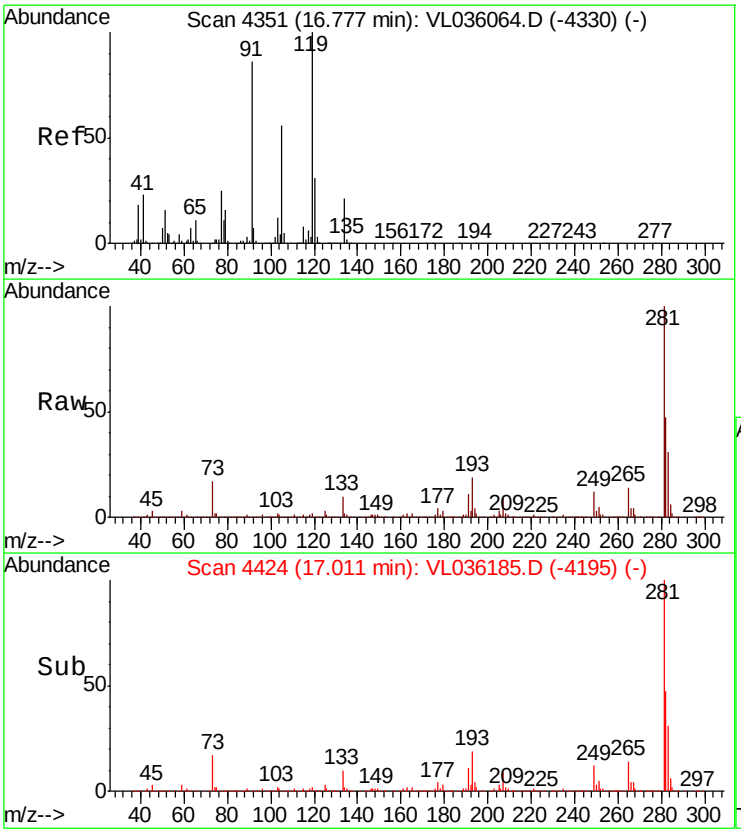
#60
o-Xylene
Concen: 0.108 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 91 Resp: 28291

Ion	Ratio	Lower	Upper
91	100		
106	59.2	21.6	64.6

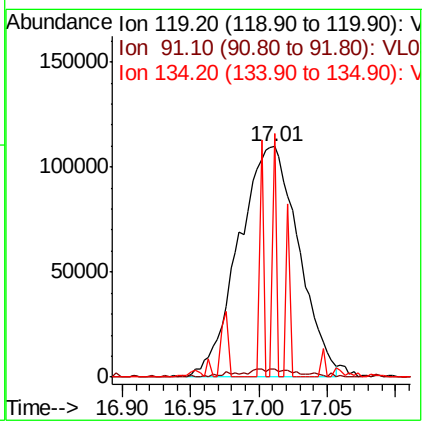


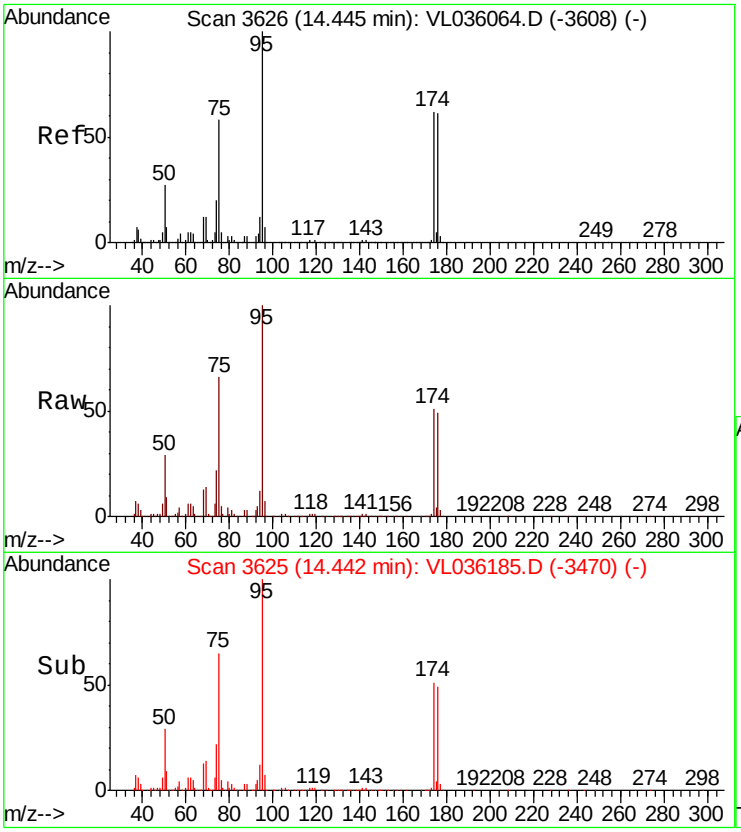


#65
tert-Butylbenzene
Concen: 1.053 ppbv
RT: 17.01 min Scan# 4424
Delta R.T. 0.23 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion:119 Resp: 333921

Ion	Ratio	Lower	Upper
119	100		
91	3.7	70.2	105.2#
134	1.1	15.8	23.6#



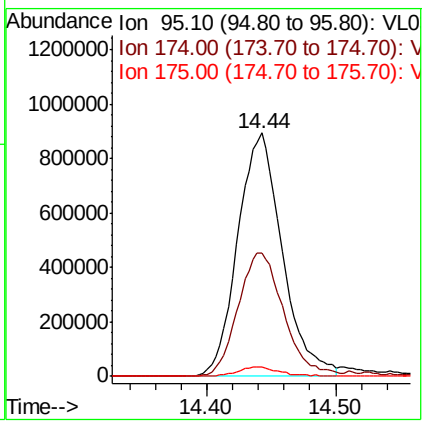


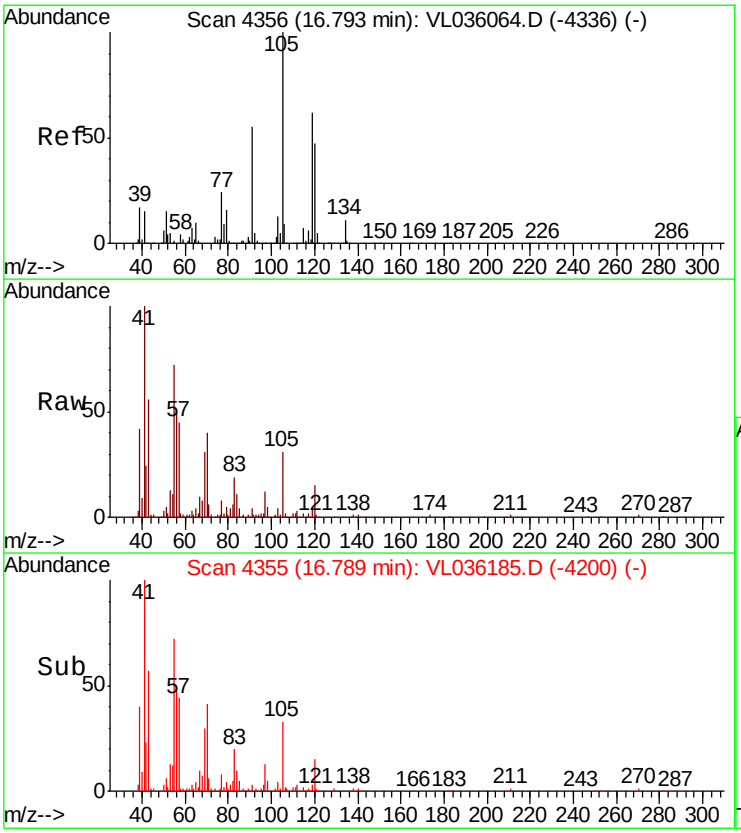
#68
1-Bromo-4-Fluorobenzene
Concen: 11.230 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion: 95 Resp: 2143047

Ion	Ratio	Lower	Upper
95	100		
174	54.3	50.7	76.1
175	3.8	4.0	6.0#

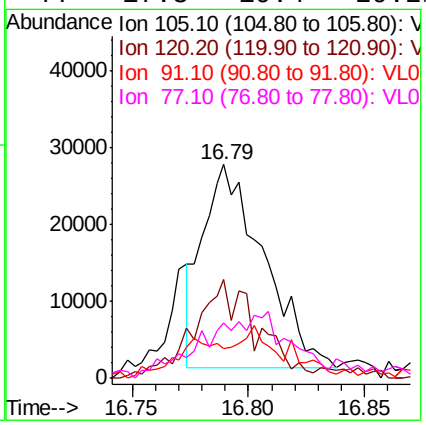


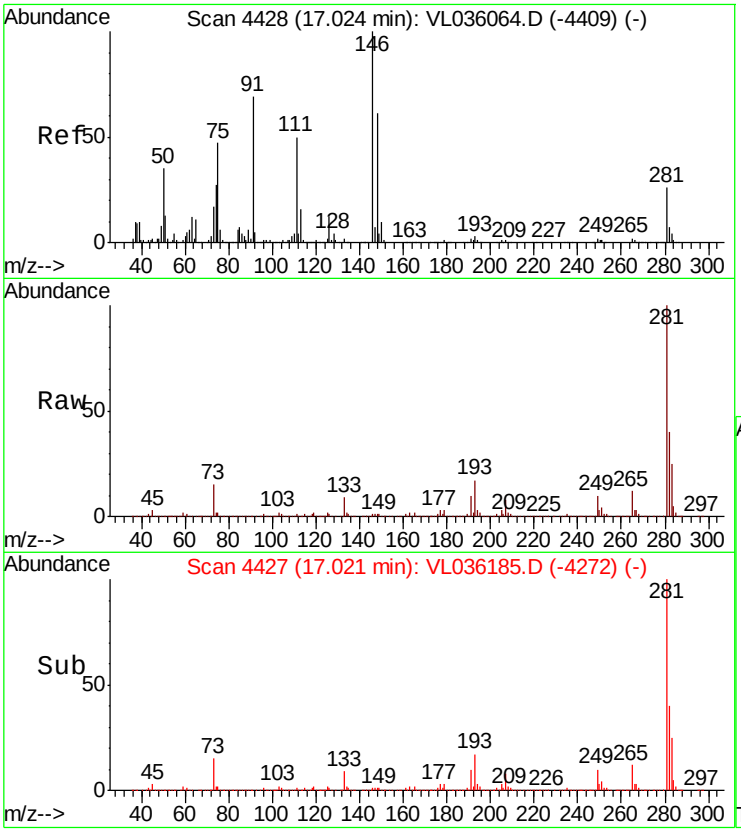


#74
1,2,4-Trimethylbenzene
Concen: 0.177 ppbv
RT: 16.79 min Scan# 4355
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Tgt Ion:105 Resp: 47985

Ion	Ratio	Lower	Upper
105	100		
120	44.6	37.4	56.0
91	12.6	45.6	68.4#
77	17.3	19.4	29.2#





#75
1,3-Dichlorobenzene
Concen: 0.711 ppbv
RT: 17.02 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL036185.D
Acq: 17 Dec 2020 3:08

Instrument :
MSVOA_L
ClientSampleId :

Tgt Ion:146 Resp: 96600

Ion	Ratio	Lower	Upper
146	100		
111	186.2	25.1	75.3#
148	156.2	32.9	98.6#