Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

Quantitation Report (Not Reviewed)

Data File : VL036145.D
Acq On : 11 Dec 2020 2:06
Operator : SY/AP
Sample : L4948-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-7B

Quant Time: Dec 11 04:38:12 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	5.65	49	1303850	10.00	ppbv		-0.04
33) 1,4-Difluorobenzene	7.16	114	2584344	10.00	ppbv		-0.04
55) Chlorobenzene-d5	12.07	117	2265899	10.00	ppbv		-0.05
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.40	95	2006166	11.15	ppbv		-0.05
Spiked Amount 10.000	Range 65 - 135		Recovery = 111.50%				
Target Compounds							Qvalue
3) Chlorodifluoromethane	2.97	51	189370	1.273	ppbv		93
4) Chloromethane	3.13	50	33782	0.463	ppbv		94
9) Propene	3.19	41	547057	7.341	ppbv		90
10) Heptane	8.10	43	116247	0.611	ppbv		94
11) Trichlorofluoromethane	3.93	101	249459	1.396	ppbv		92
13) Ethanol	3.60	45	880792	85.737	ppbv		89
15) Acetone	3.83	43	4128203	26.344	ppbv		94
16) 1,3-Butadiene	3.29	39	85729	1.086	ppbv	#	17
17) tert-Butyl alcohol	4.29	59	274272	1.807	ppbv		97
19) Isopropyl Alcohol	3.96	45	197986	2.067	ppbv	#	100
20) Methylene Chloride	4.33	84	353628	5.507	ppbv		99
21) Allyl Chloride	4.36	41	21339	0.205	ppbv	#	1
23) Vinyl Acetate	5.04	43	25847	0.124	ppbv	#	1
25) Ethyl Acetate	5.67	43	261080	0.834	ppbv	#	87
26) Hexane	5.67	57	276369	1.962	ppbv	#	45
27) Carbon Disulfide	4.53	76	121712	0.869	ppbv	#	86
29) Chloroform	5.74	83	53662	0.290	ppbv		91
30) Cyclohexane	7.10	84	77967	0.753	ppbv	#	1
34) 2-Butanone	5.23	43	565097	3.296	ppbv		100
36) Benzene	6.87	78	112090	0.512	ppbv		95
37) 1,2-Dichloroethane	6.30	62	6769	0.053	ppbv	#	96
39) 1,2-Dichloropropane	7.22	63	10628	0.123	ppbv	#	1
41) Tetrahydrofuran	6.05	42	64984	0.638	ppbv		94
44) 2,2,4-Trimethylpentane	7.85	57	101015	0.255	ppbv	#	73
50) 4-Methyl-2-Pentanone	8.73	43	11387	0.045	ppbv	#	40
53) Toluene	9.79	91	305705	1.243	ppbv		97
58) Ethyl Benzene	12.69	91	212633	0.685	ppbv		93
59) m/p-Xylene	12.98	91	161645	0.618	ppbv	#	34
60) o-Xylene	13.68	91	307146	1.246	ppbv		95
72) 4-Ethyltoluene	15.82	105	8450	0.032	ppbv	#	1
73) 1,3,5-Trimethylbenzene	15.98	105	24196	0.095	ppbv	#	80
74) 1,2,4-Trimethylbenzene	16.75	105	147154	0.575	ppbv	#	60
76) 1,4-Dichlorobenzene	17.12	146	4202	0.032	ppbv	#	1
79) Naphthalene	22.16	128	7713	0.059	ppbv	#	96

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

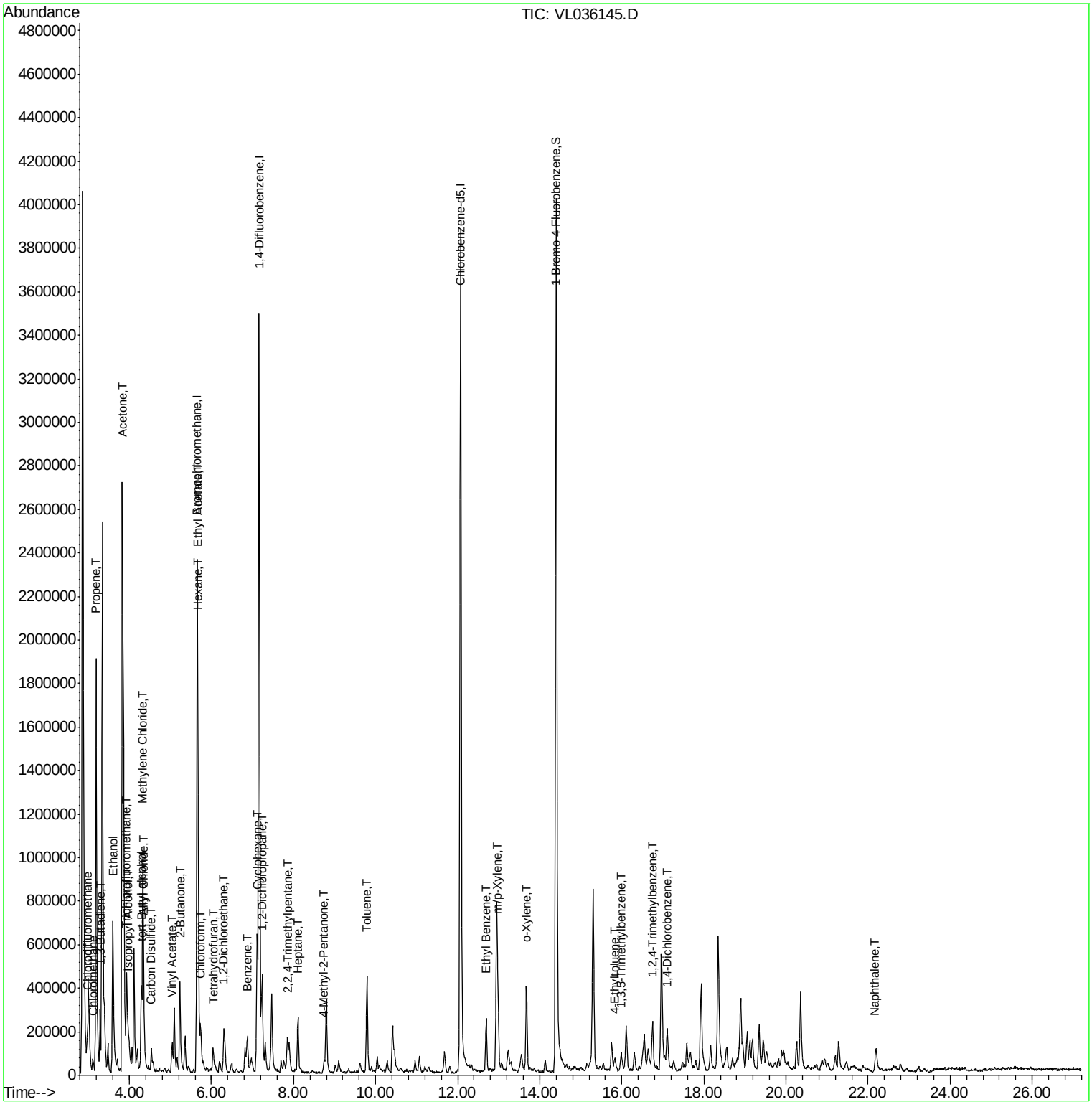
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\

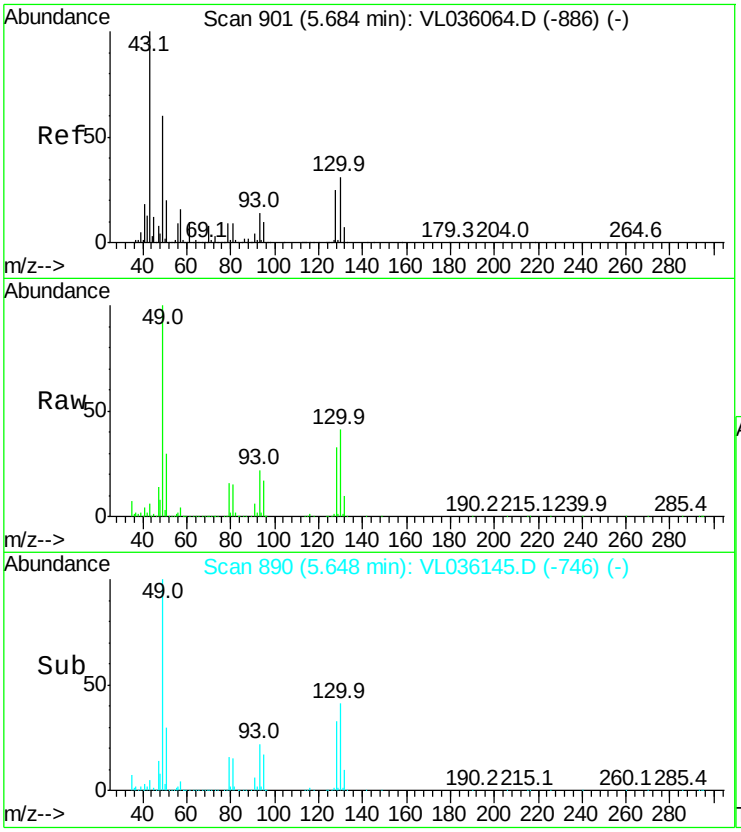
Quantitation Report (Not Reviewed)

Data File : VL036145.D
Acq On : 11 Dec 2020 2:06
Operator : SY/AP
Sample : L4948-10
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SS-7B

Quant Time: Dec 11 04:38:12 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



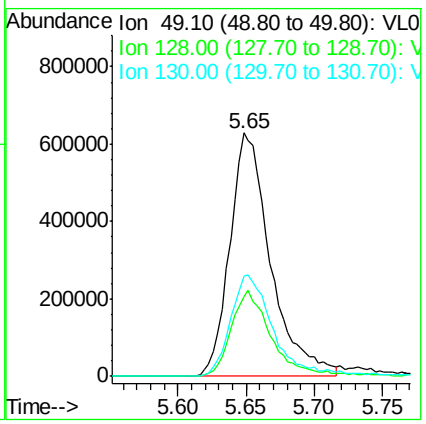


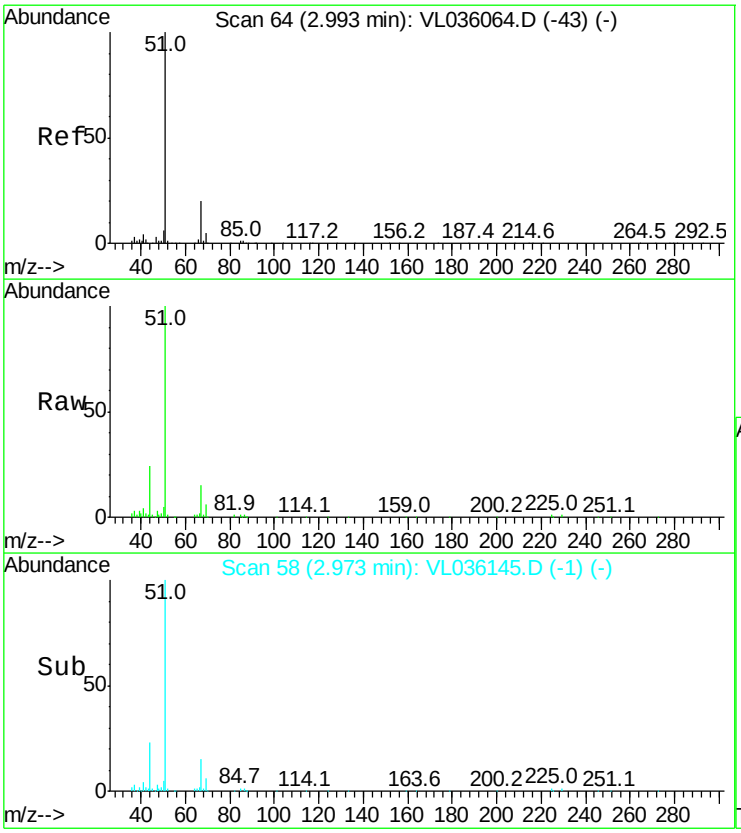
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 49 Resp: 1303850

Ion	Ratio	Lower	Upper
49	100		
128	35.7	21.1	63.1
130	44.3	27.1	81.3

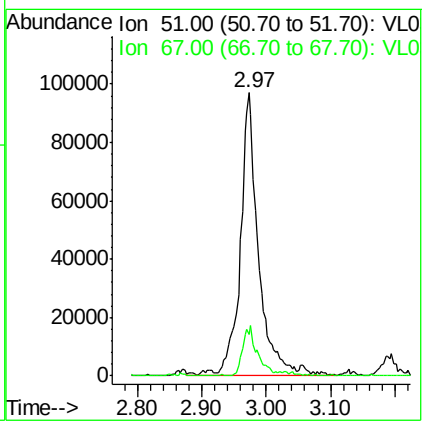


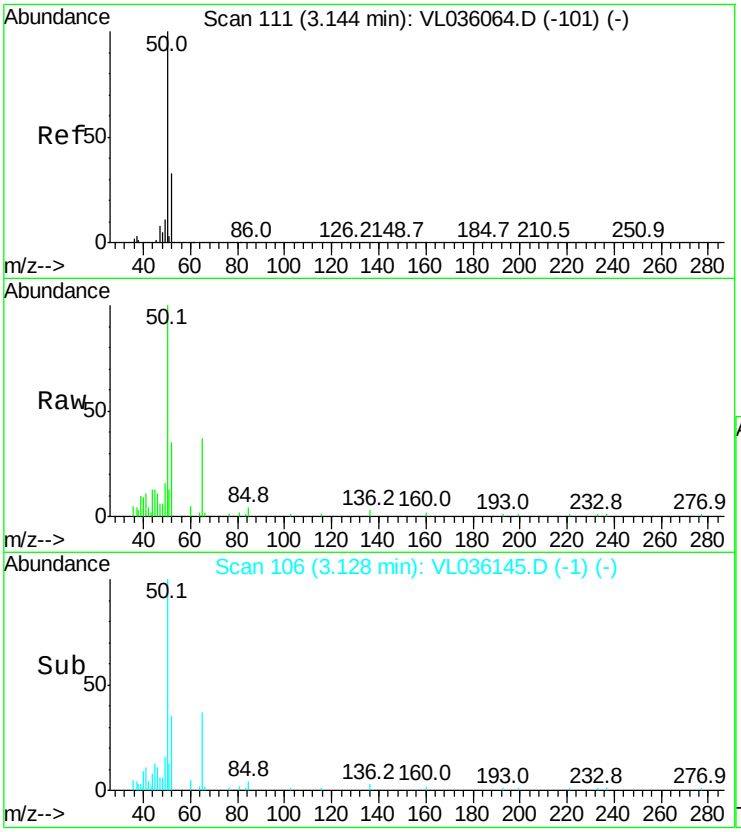


#3
Chlorodifluoromethane
Concen: 1.273 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.02 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 51 Resp: 189370

Ion	Ratio	Lower	Upper
51	100		
67	14.6	14.3	21.5



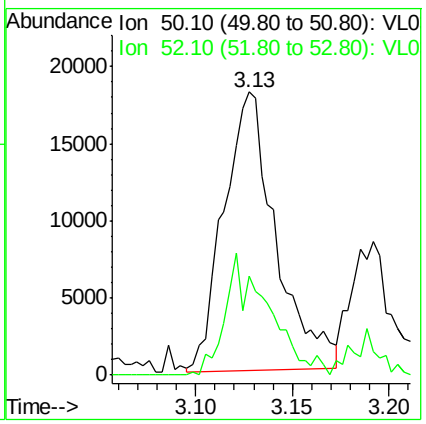


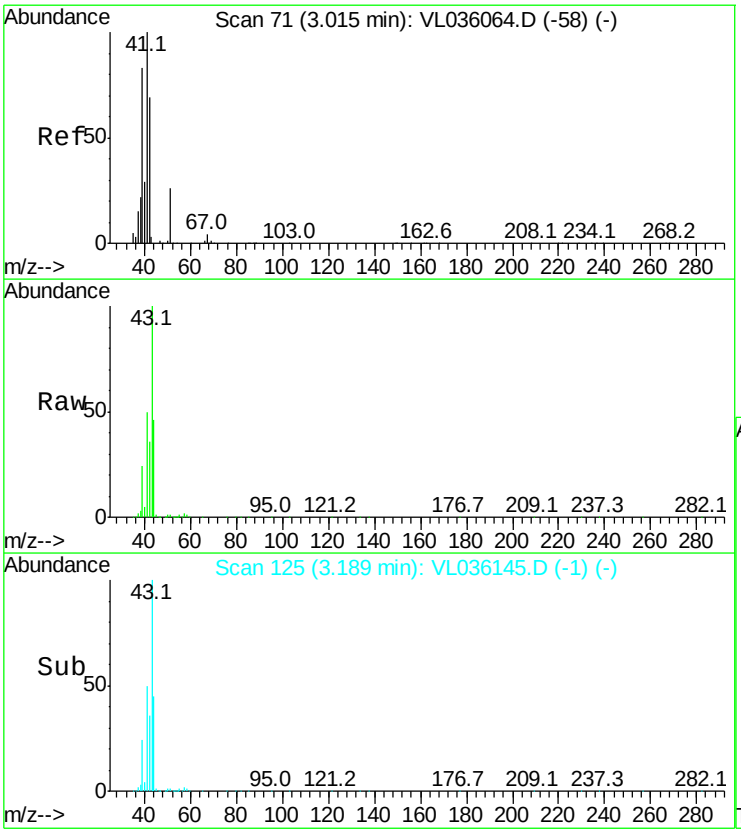
#4
Chloromethane
Concen: 0.463 ppbv
RT: 3.13 min Scan# 106
Delta R.T. -0.02 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 50 Resp: 33782

Ion	Ratio	Lower	Upper
50	100		
52	36.1	26.1	39.1

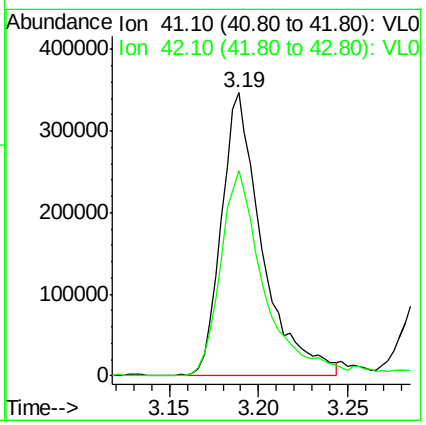


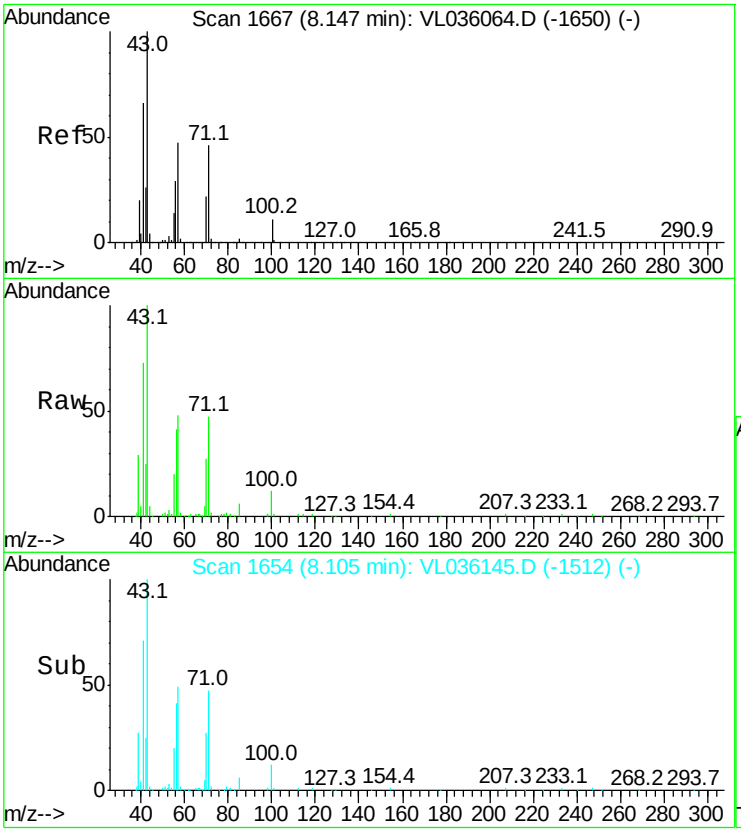


#9
Propene
Concen: 7.341 ppbv
RT: 3.19 min Scan# 125
Delta R.T. 0.17 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 41 Resp: 547057

Ion	Ratio	Lower	Upper
41	100		
42	79.3	57.0	85.6



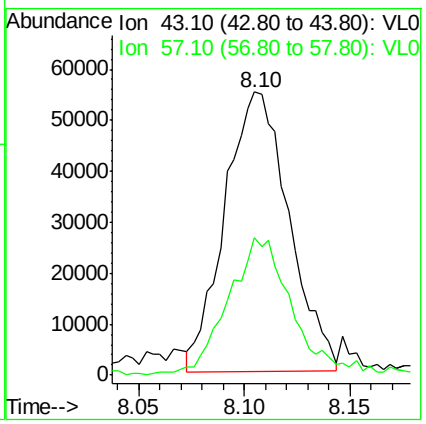


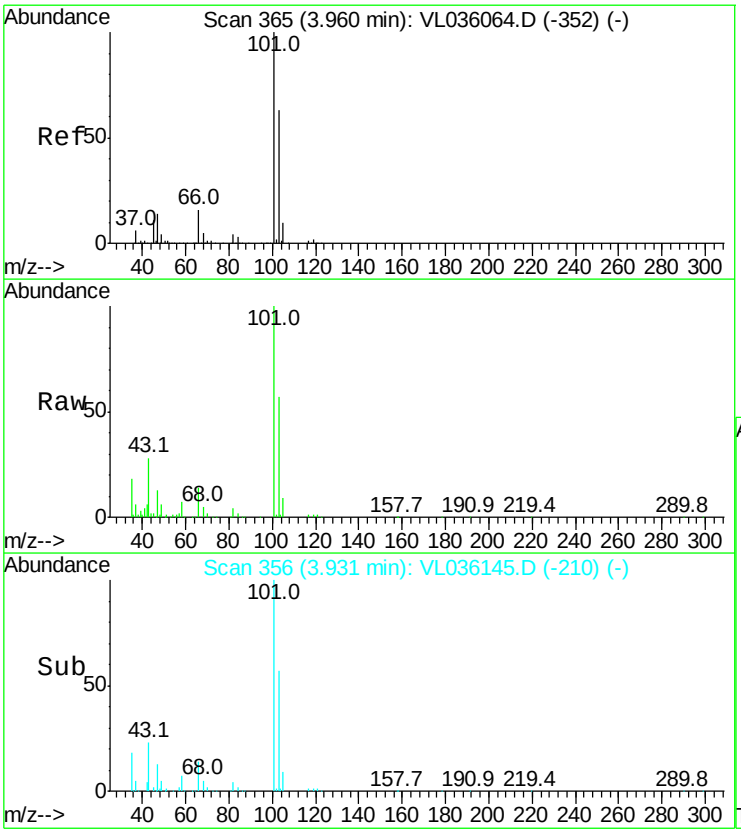
#10
Heptane
Concen: 0.611 ppbv
RT: 8.10 min Scan# 1654
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 43 Resp: 116247

Ion	Ratio	Lower	Upper
43	100		
57	51.4	37.9	56.9

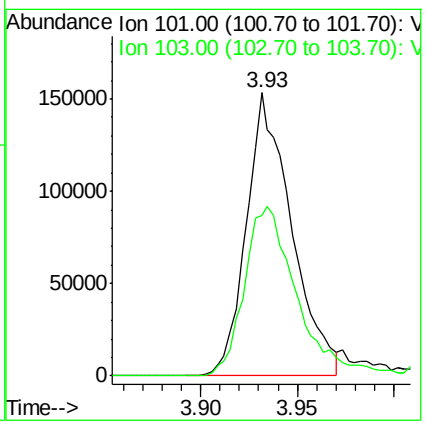


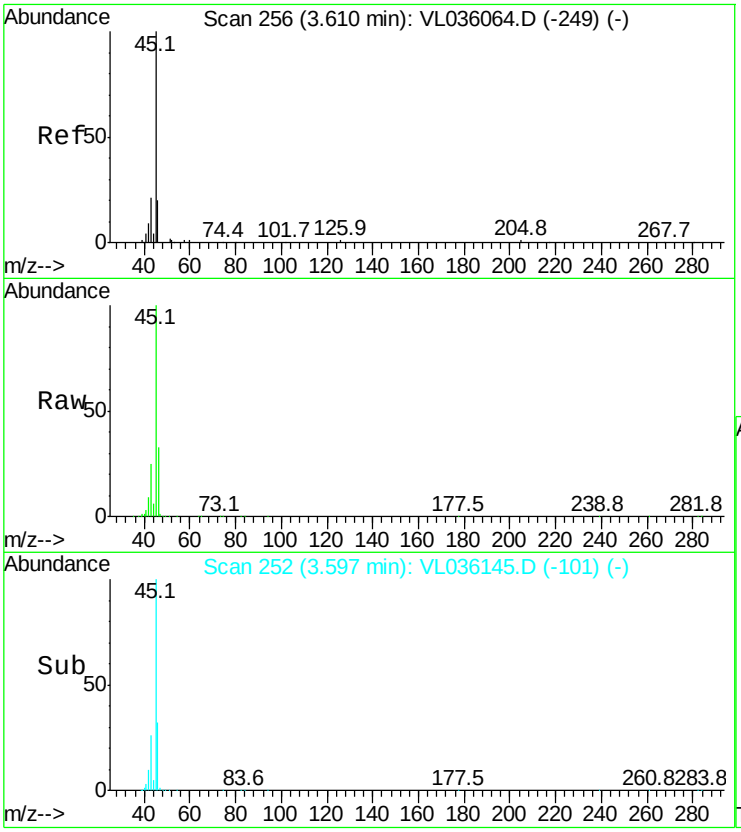


#11
Trichlorofluoromethane
Concen: 1.396 ppbv
RT: 3.93 min Scan# 356
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion:101 Resp: 249459

Ion	Ratio	Lower	Upper
101	100		
103	56.5	50.3	75.5



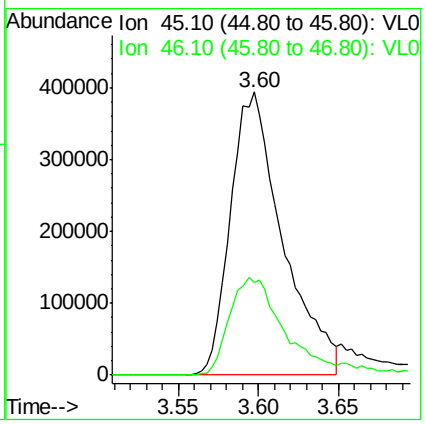


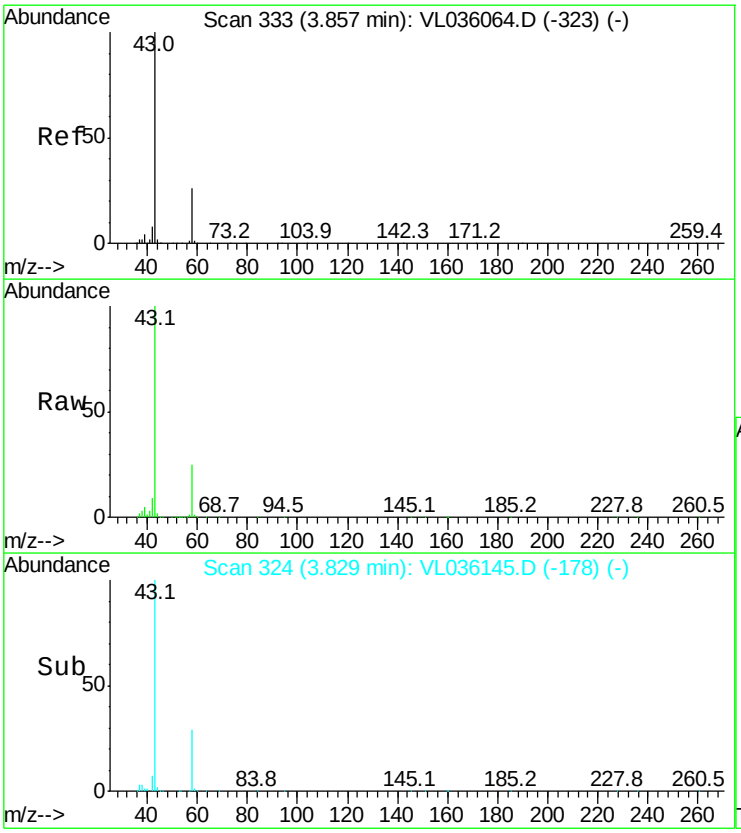
#13
Ethanol
Concen: 85.737 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 45 Resp: 880792

Ion	Ratio	Lower	Upper
45	100		
46	39.9	19.0	75.8

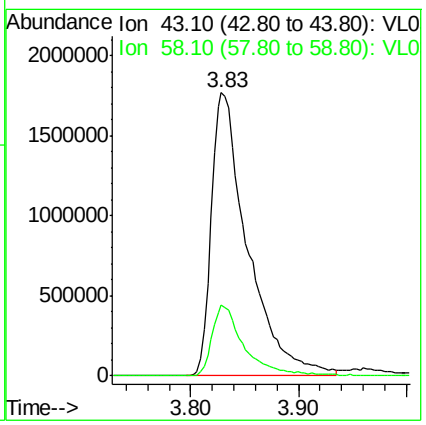


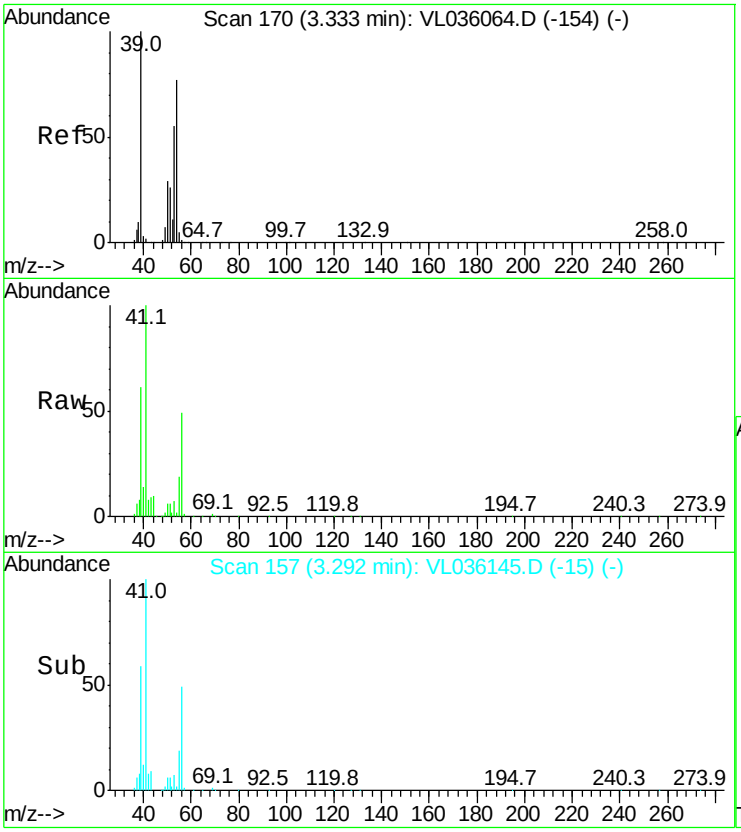


#15
Acetone
Concen: 26.344 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 43 Resp: 4128203

Ion	Ratio	Lower	Upper
43	100		
58	22.9	20.9	31.3



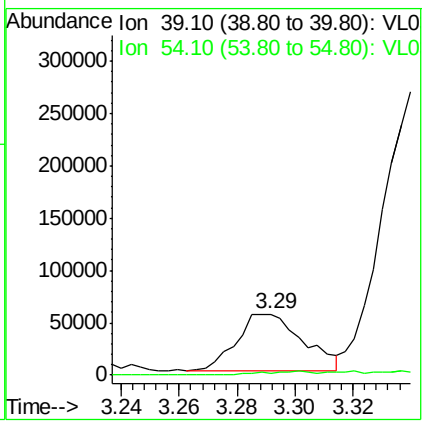


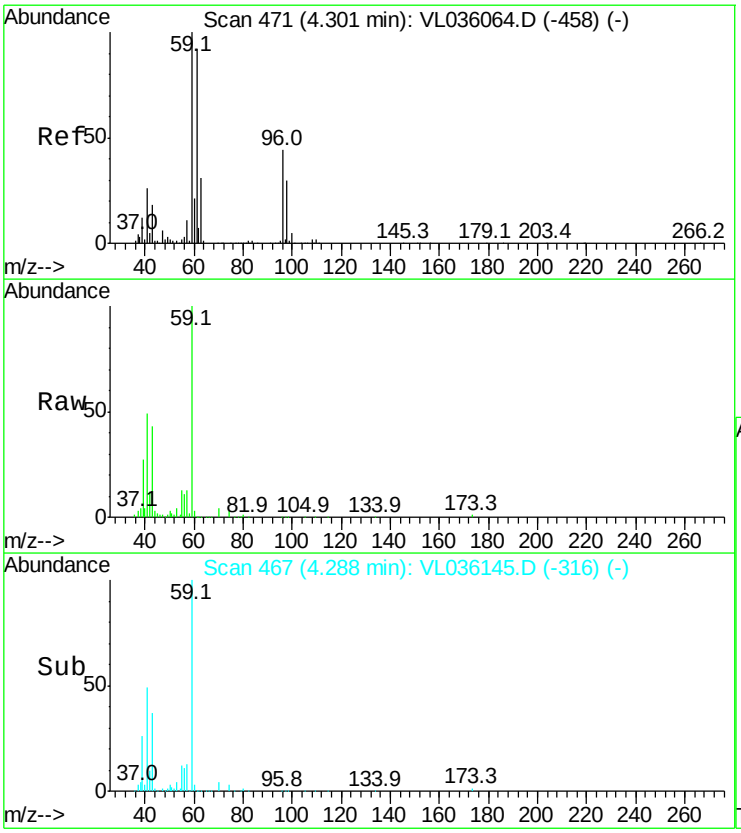
#16
1,3-Butadiene
Concen: 1.086 ppbv
RT: 3.29 min Scan# 157
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 39 Resp: 85729

Ion	Ratio	Lower	Upper
39	100		
54	6.0	62.1	93.1#

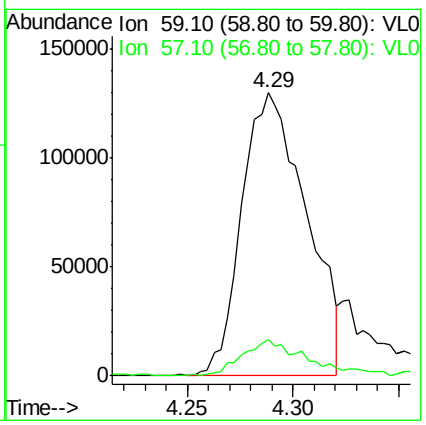


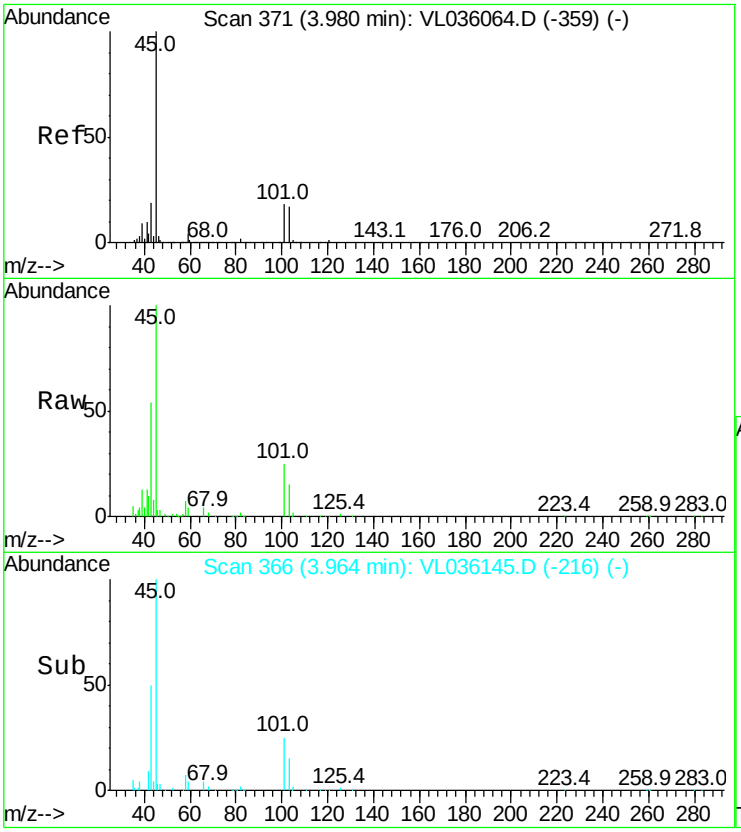


#17
tert-Butyl alcohol
Concen: 1.807 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 59 Resp: 274272

Ion	Ratio	Lower	Upper
59	100		
57	12.0	8.7	13.1



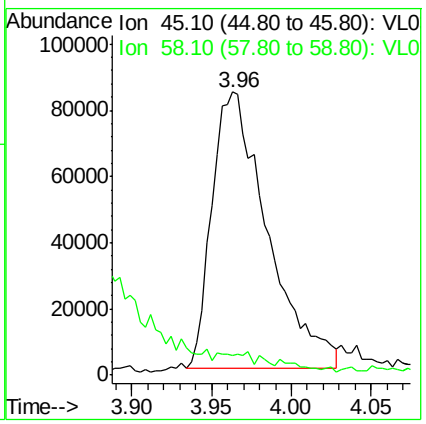


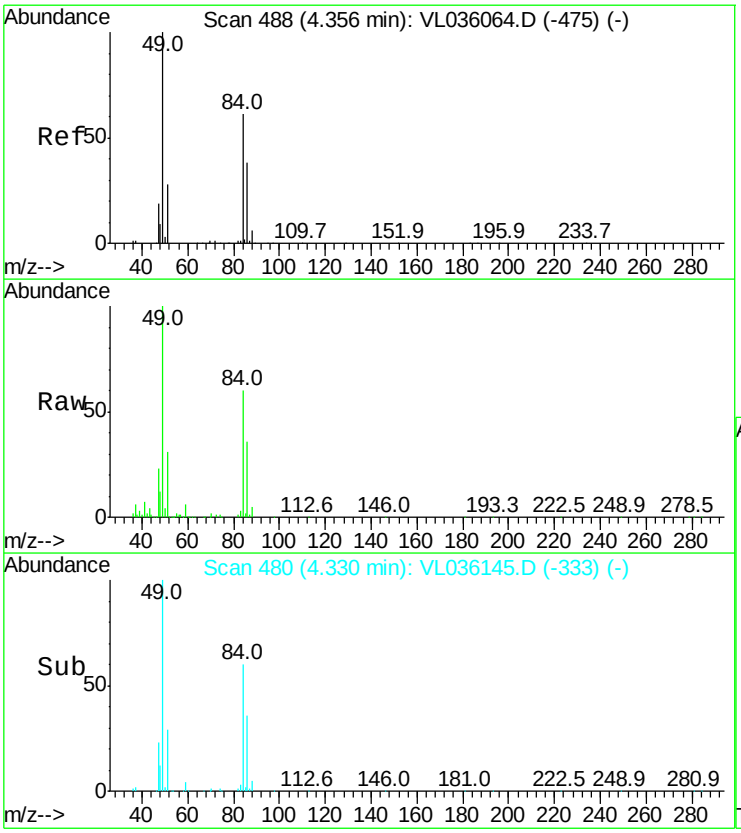
#19
Isopropyl Alcohol
Concen: 2.067 ppbv
RT: 3.96 min Scan# 366
Delta R.T. -0.02 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 45 Resp: 197986

Ion	Ratio	Lower	Upper
45	100		
58	466.4	0.0	0.0#

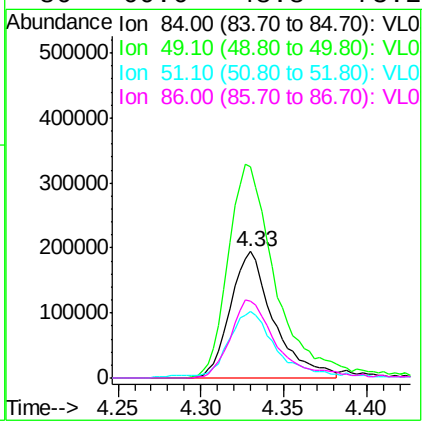


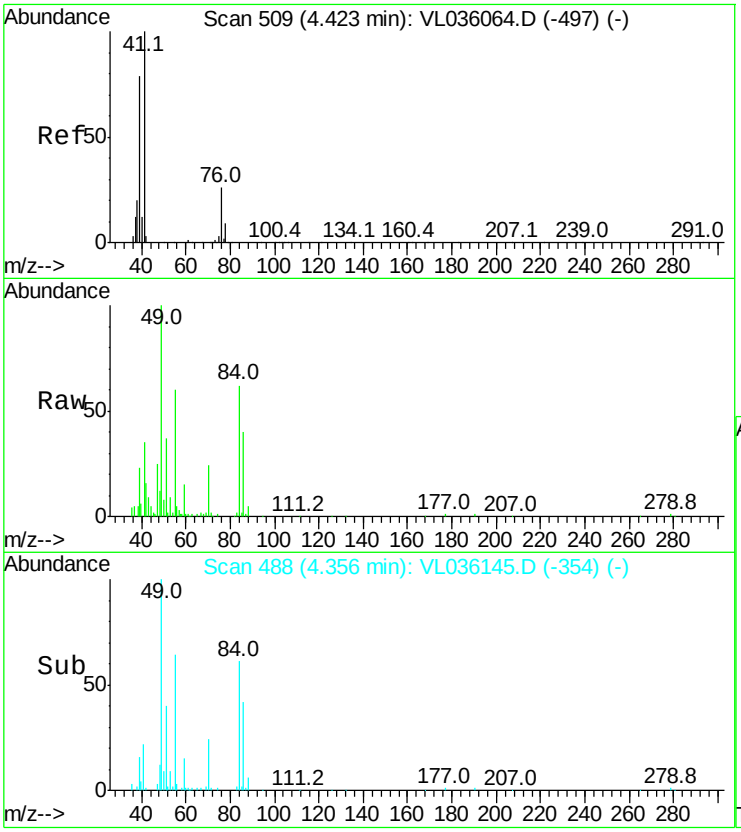


#20
Methylene Chloride
Concen: 5.507 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 84 Resp: 353628

Ion	Ratio	Lower	Upper
84	100		
49	167.1	133.0	199.4
51	50.9	38.9	58.3
86	60.6	48.8	73.2



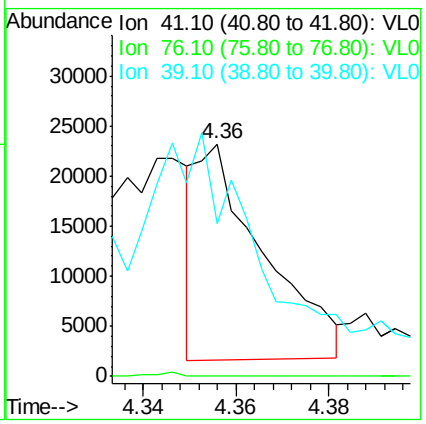


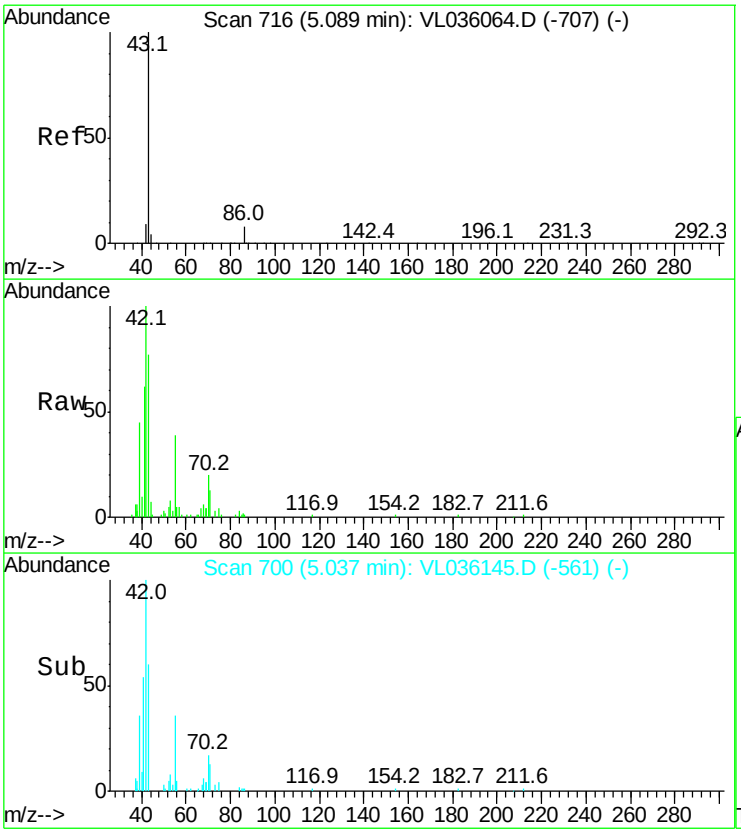
#21
Allyl Chloride
Concen: 0.205 ppbv
RT: 4.36 min Scan# 488
Delta R.T. -0.07 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 41 Resp: 21339

Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	209.8	66.0	99.0#

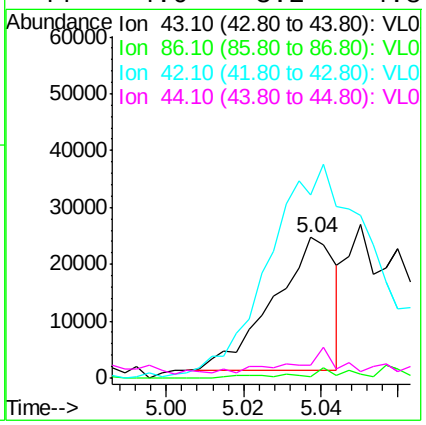


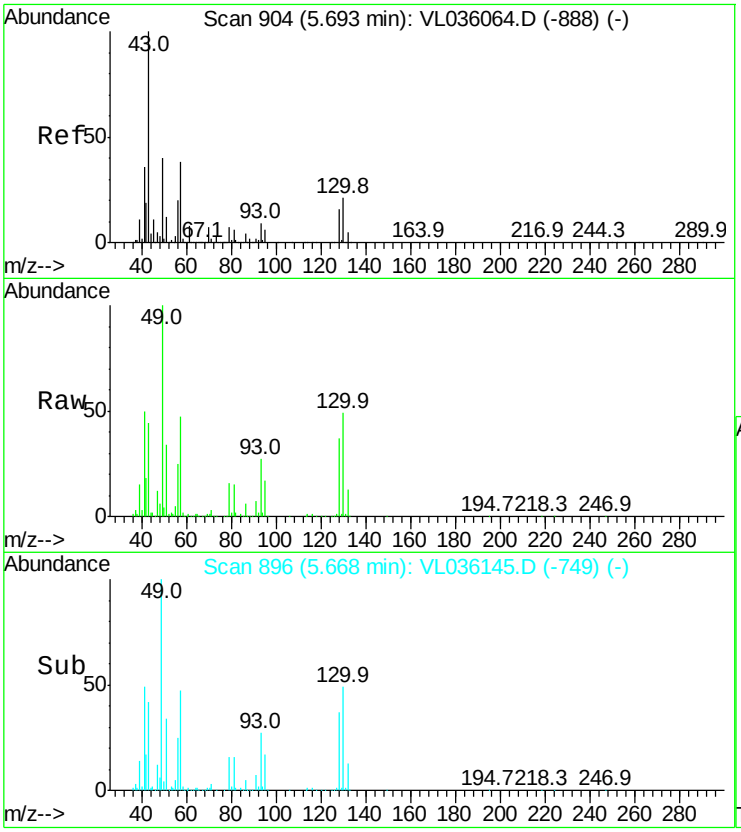


#23
Vinyl Acetate
Concen: 0.124 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 43 Resp: 25847

Ion	Ratio	Lower	Upper
43	100		
86	1.0	5.0	7.4#
42	134.5	7.8	11.6#
44	4.0	3.2	4.8



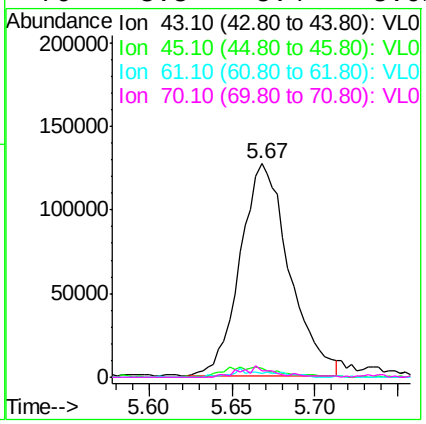


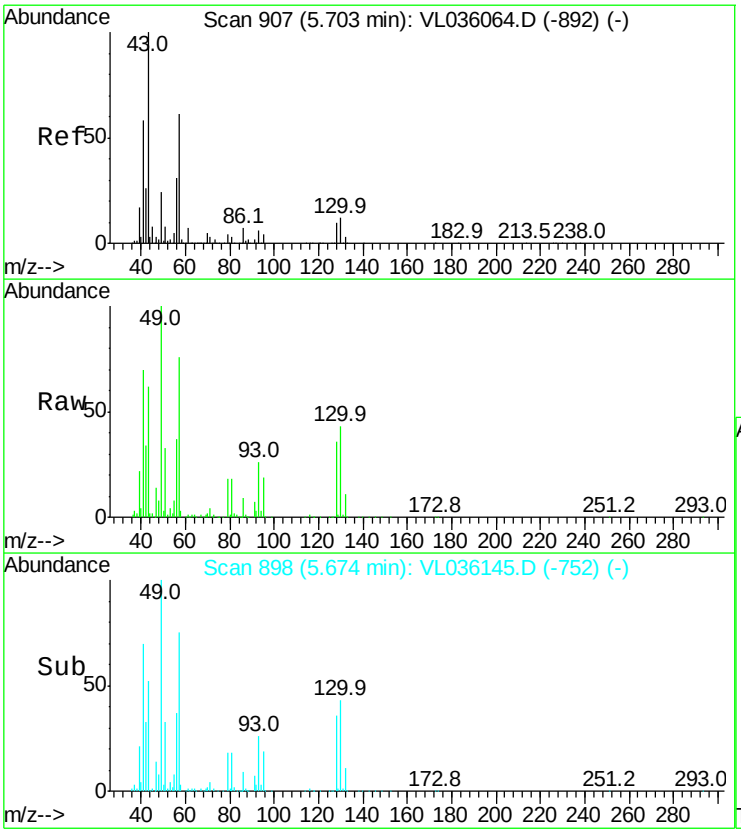
#25
Ethyl Acetate
Concen: 0.834 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 43 Resp: 261080

Ion	Ratio	Lower	Upper
43	100		
45	5.6	8.2	12.4#
61	3.3	7.4	11.2#
70	3.8	5.4	8.0#

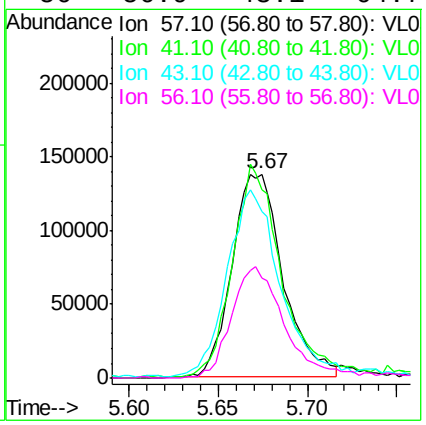


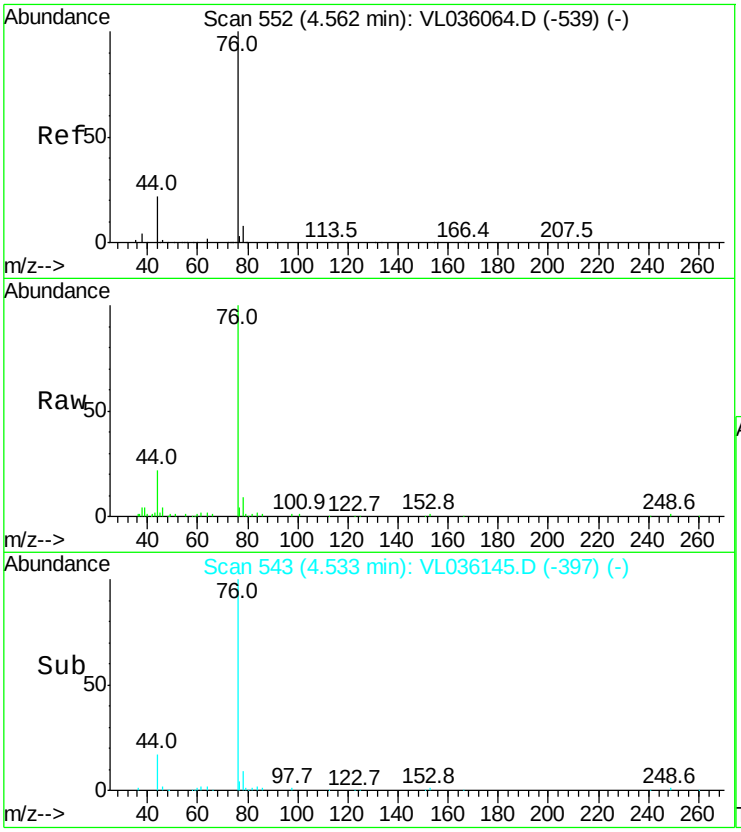


#26
Hexane
Concen: 1.962 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 57 Resp: 276369

Ion	Ratio	Lower	Upper
57	100		
41	107.3	82.9	124.3
43	97.7	199.9	299.9#
56	56.9	43.1	64.7



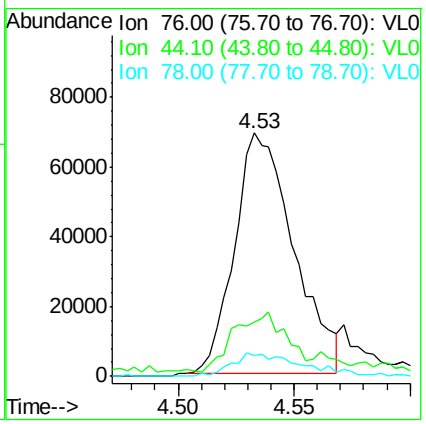


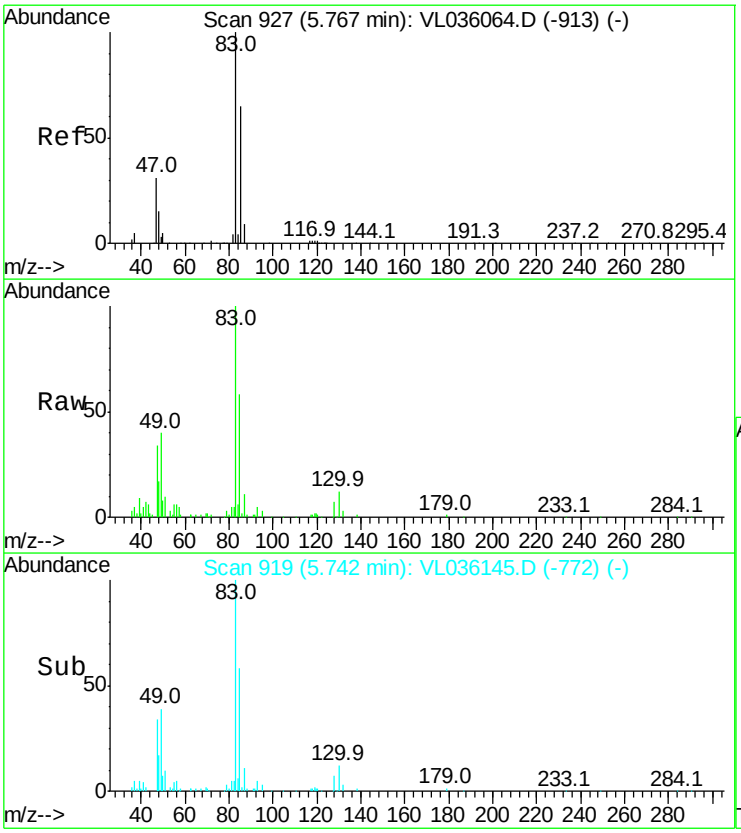
#27
Carbon Disulfide
Concen: 0.869 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 76 Resp: 121712

Ion	Ratio	Lower	Upper
76	100		
44	30.6	17.9	26.9#
78	12.0	7.8	11.8#

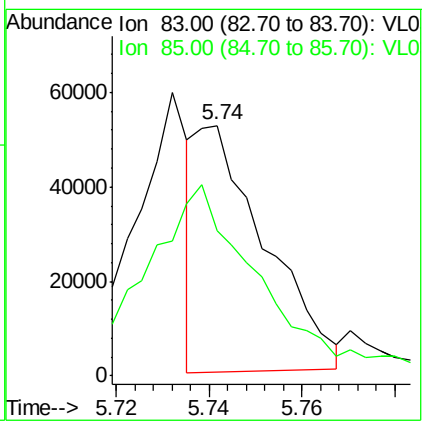


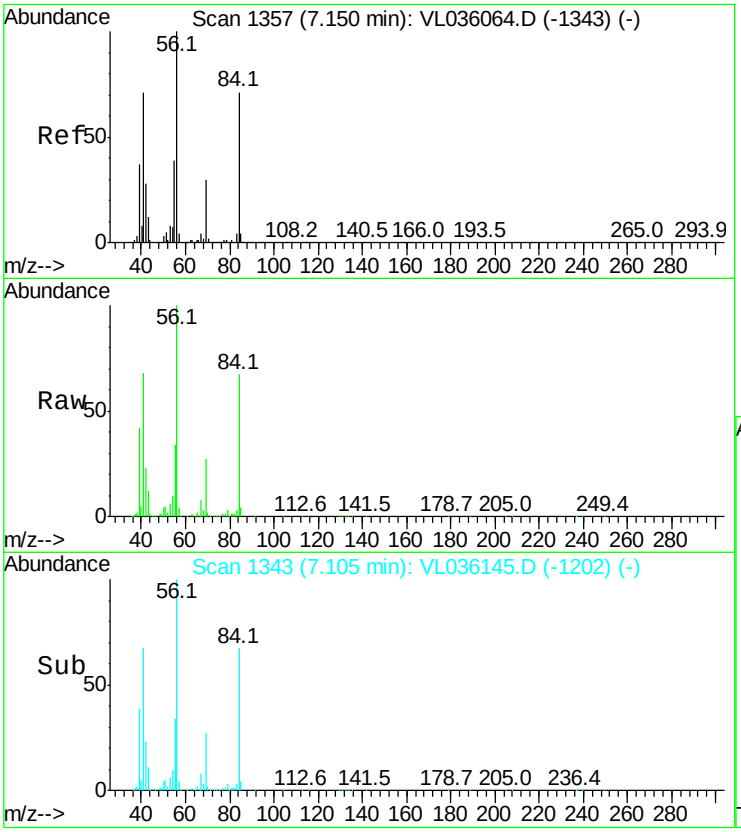


#29
Chloroform
Concen: 0.290 ppbv
RT: 5.74 min Scan# 919
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 83 Resp: 53662

Ion	Ratio	Lower	Upper
83	100		
85	57.5	51.8	77.6



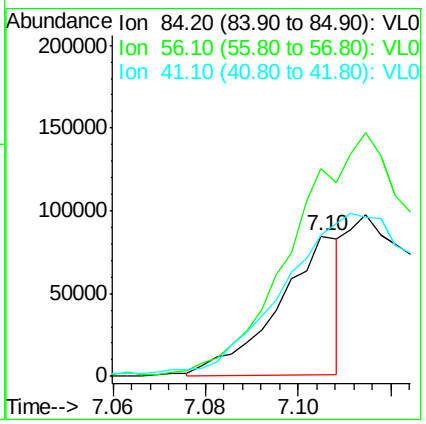


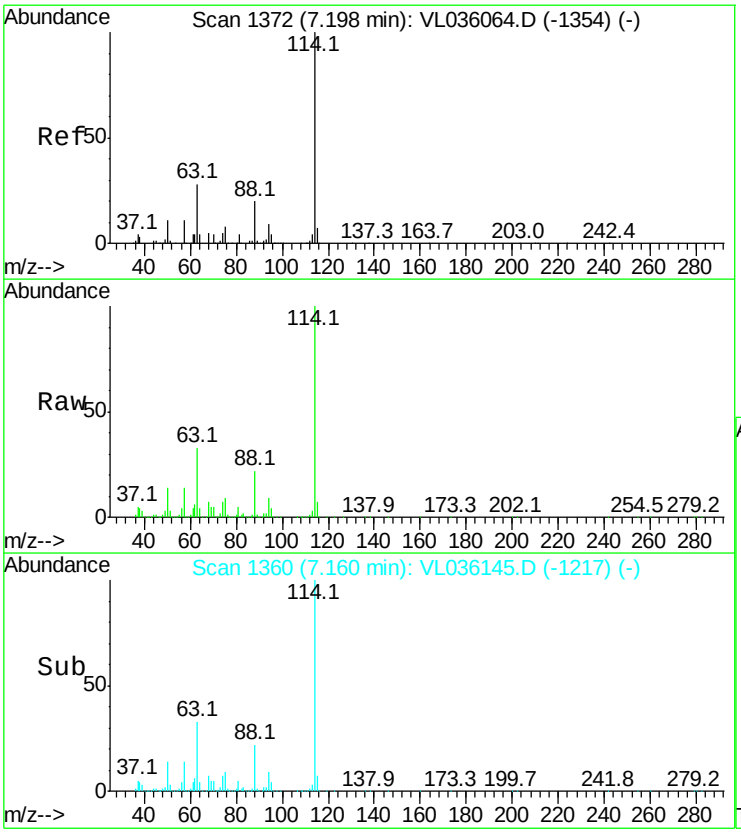
#30
Cyclohexane
Concen: 0.753 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 84 Resp: 77967

Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#

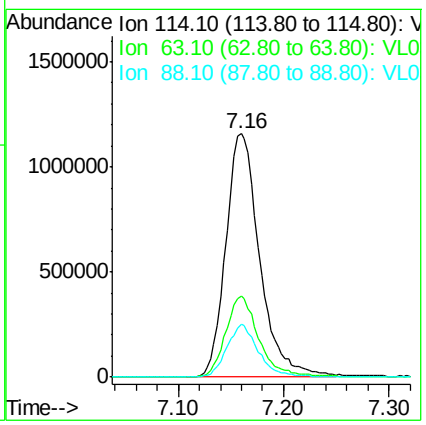


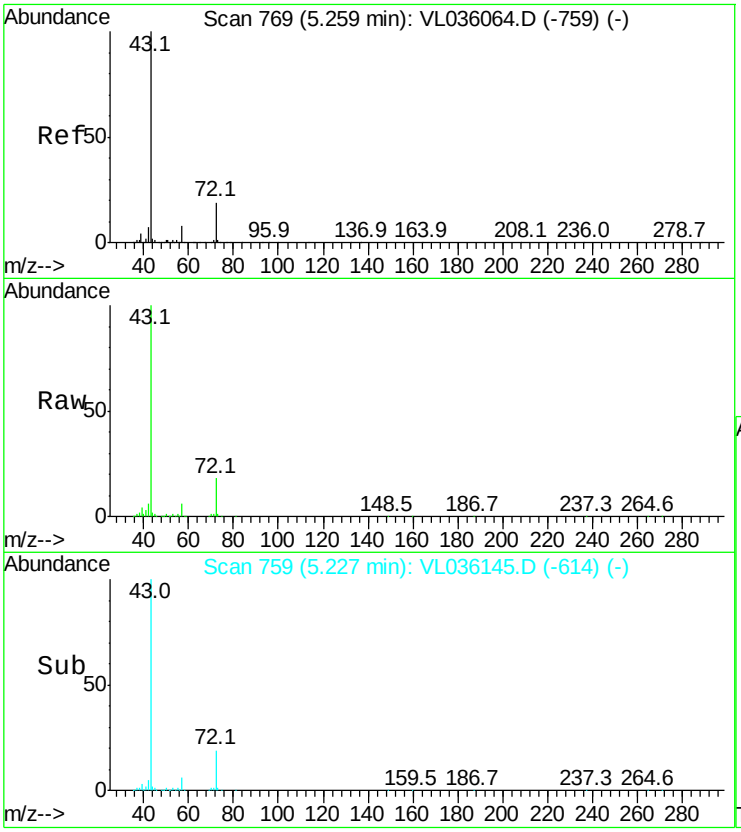


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion:114 Resp: 2584344

Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	20.6	15.8	23.6



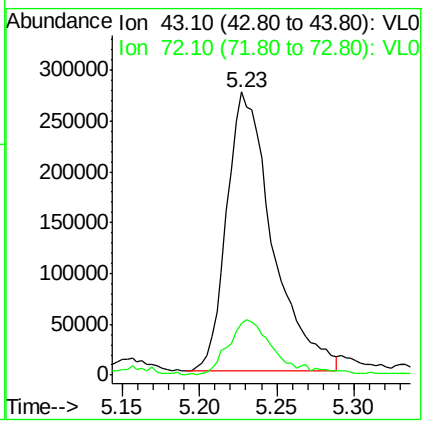


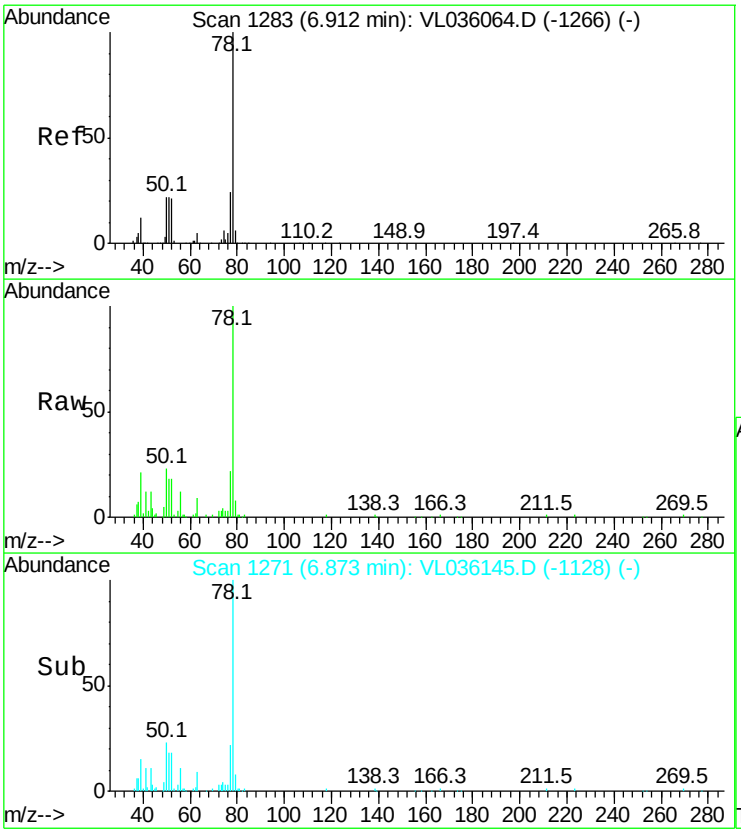
#34
2-Butanone
Concen: 3.296 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 43 Resp: 565097

Ion	Ratio	Lower	Upper
43	100		
72	20.8	16.5	24.7

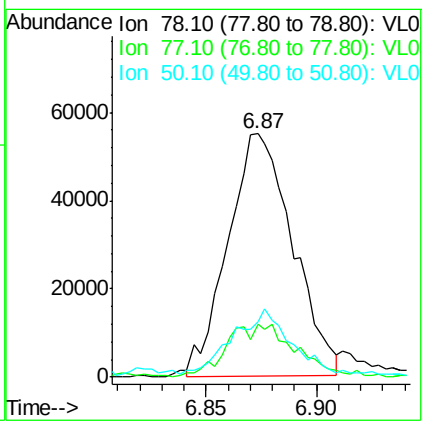


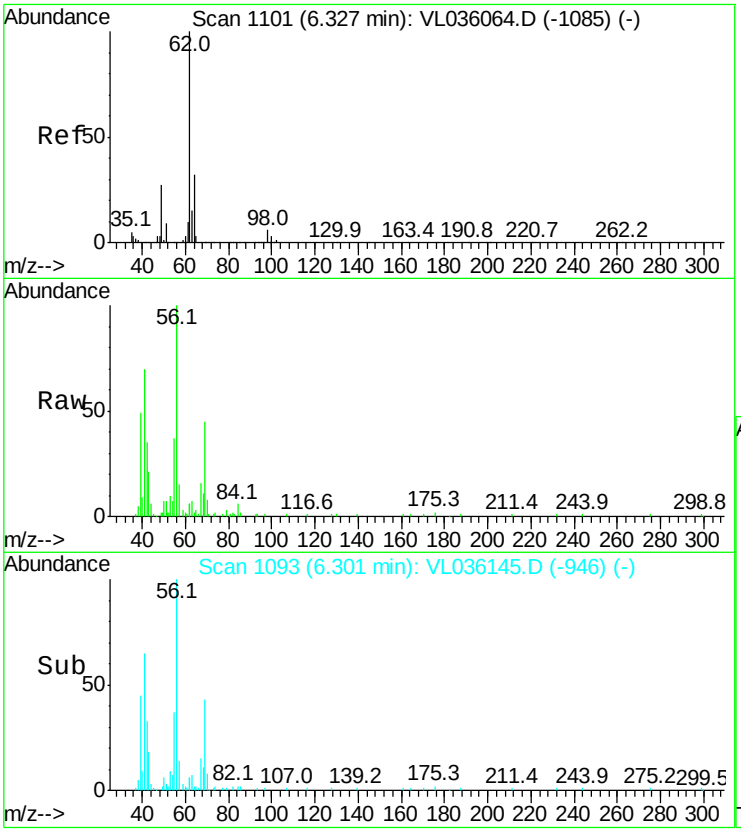


#36
Benzene
Concen: 0.512 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 78 Resp: 112090

Ion	Ratio	Lower	Upper
78	100		
77	20.4	19.4	29.2
50	21.1	17.8	26.8



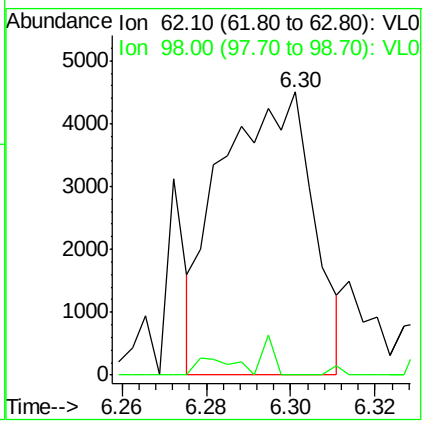


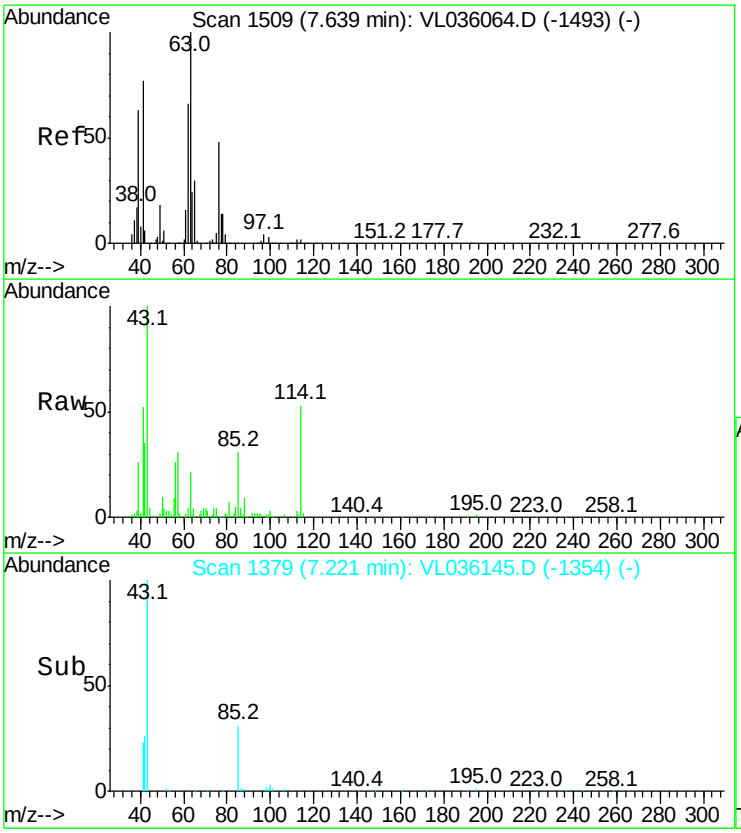
#37
1,2-Dichloroethane
Concen: 0.053 ppbv
RT: 6.30 min Scan# 1093
Delta R.T. -0.03 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 62 Resp: 6769

Ion	Ratio	Lower	Upper
62	100		
98	4.4	4.6	7.0#

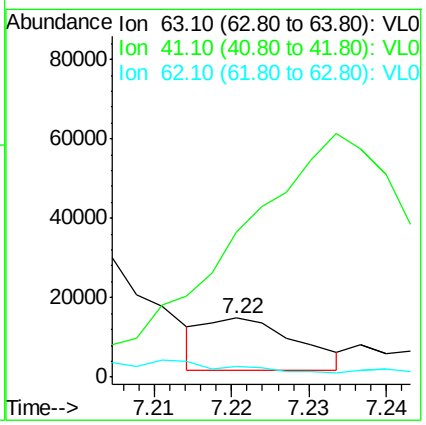


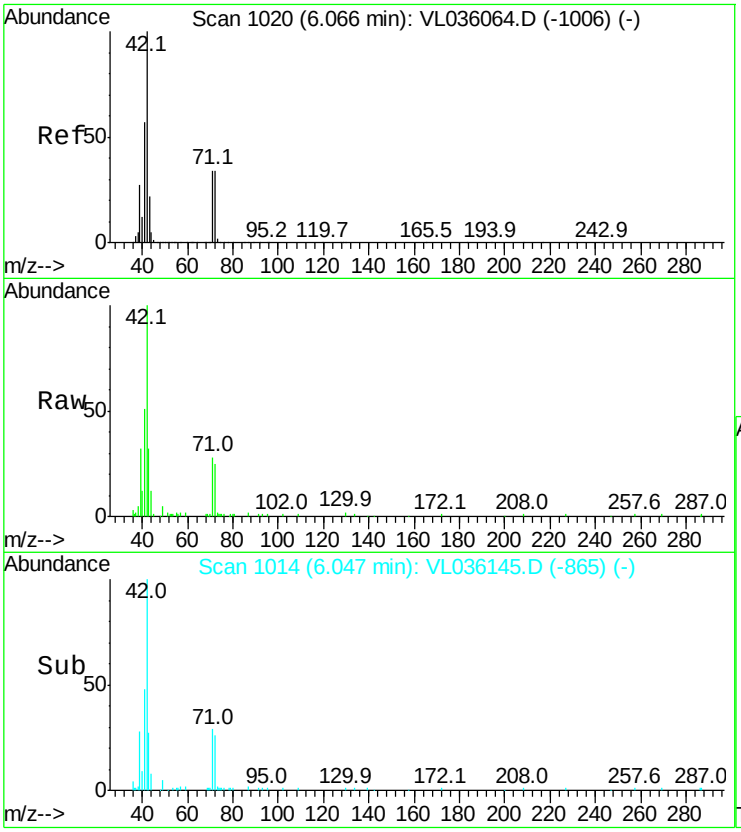


#39
1,2-Dichloropropane
Concen: 0.123 ppbv
RT: 7.22 min Scan# 1379
Delta R.T. -0.42 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 63 Resp: 10628

Ion	Ratio	Lower	Upper
63	100		
41	197.6	61.9	92.9#
62	21.2	52.5	78.7#



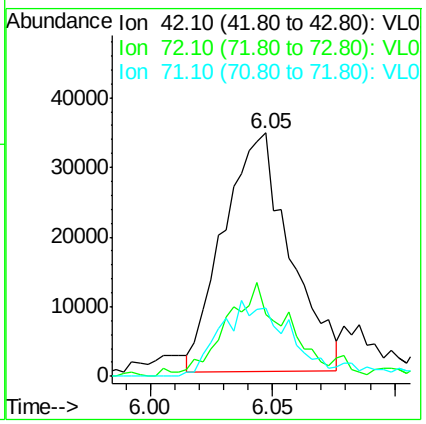


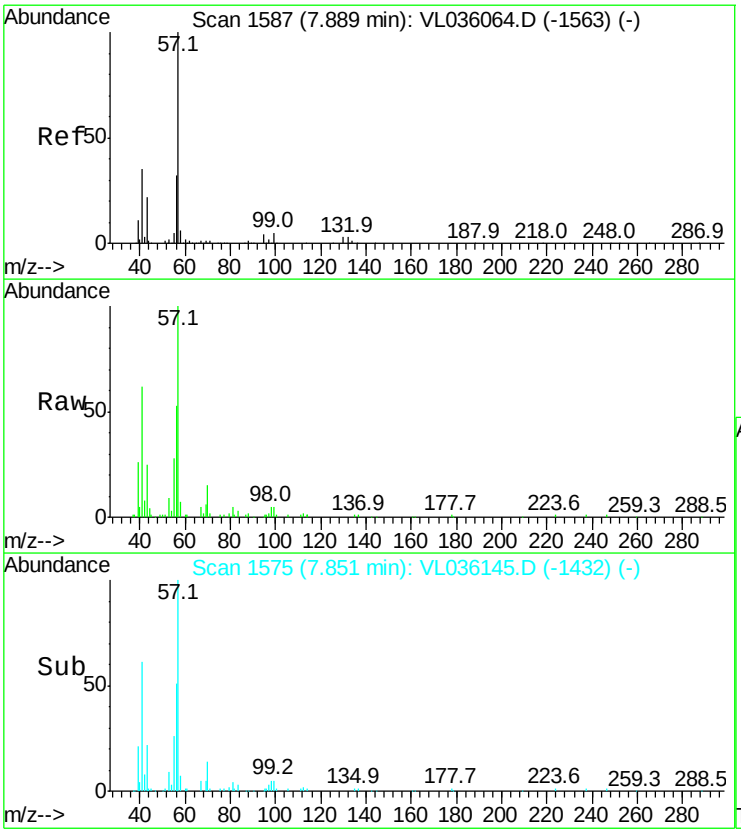
#41
Tetrahydrofuran
Concen: 0.638 ppbv
RT: 6.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 42 Resp: 64984

Ion	Ratio	Lower	Upper
42	100		
72	39.8	28.3	42.5
71	36.2	27.3	40.9

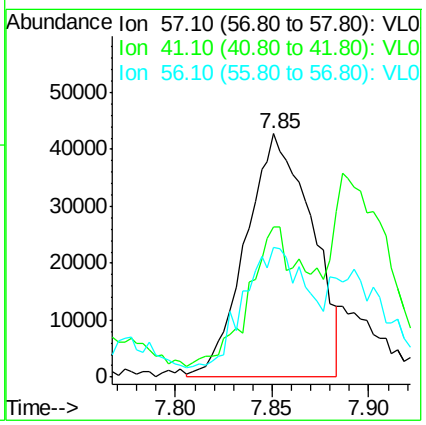


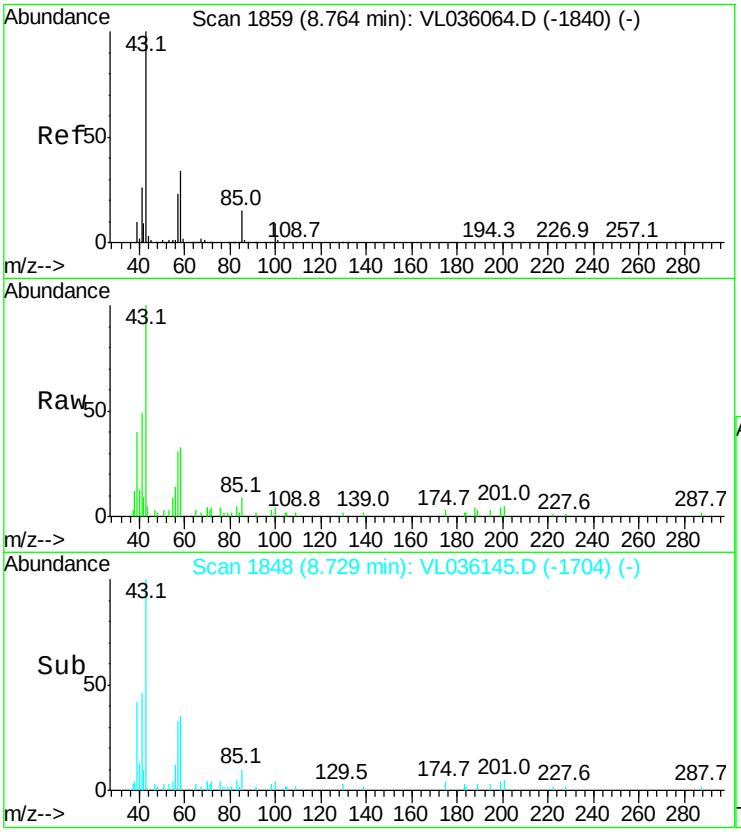


#44
2,2,4-Trimethylpentane
Concen: 0.255 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 57 Resp: 101015

Ion	Ratio	Lower	Upper
57	100		
41	48.9	28.9	43.3#
56	49.5	25.3	37.9#



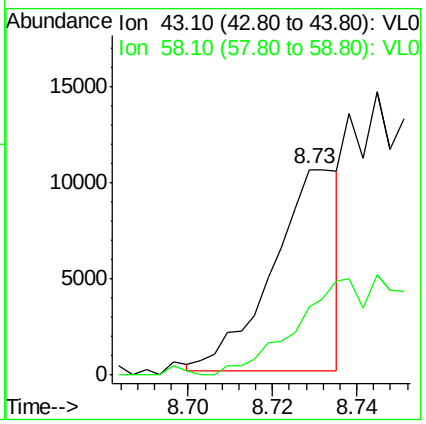


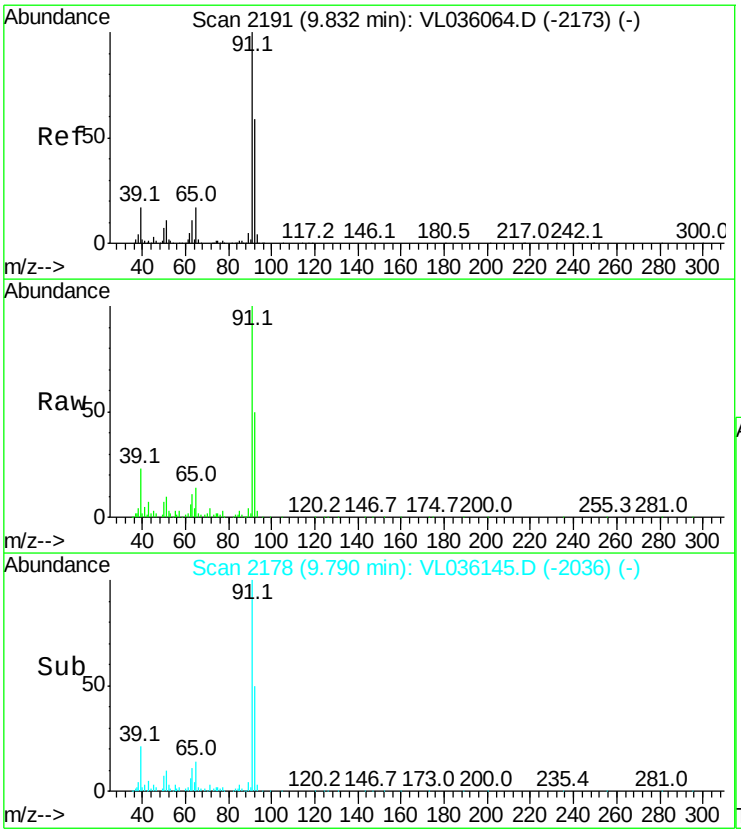
#50
4-Methyl-2-Pentanone
Concen: 0.045 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion: 43 Resp: 11387

Ion	Ratio	Lower	Upper
43	100		
58	0.0	27.4	41.2#

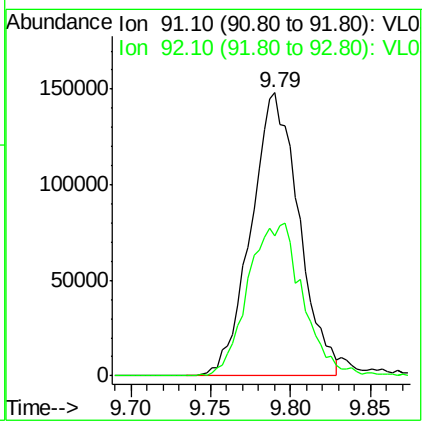


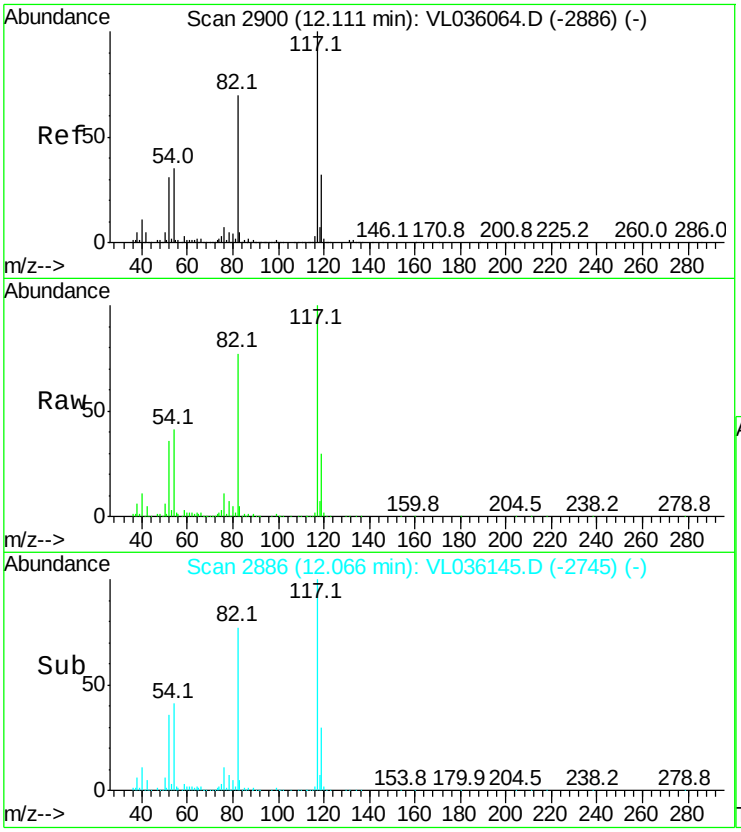


#53
Toluene
Concen: 1.243 ppbv
RT: 9.79 min Scan# 2178
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 91 Resp: 305705

Ion	Ratio	Lower	Upper
91	100		
92	62.3	48.2	72.2



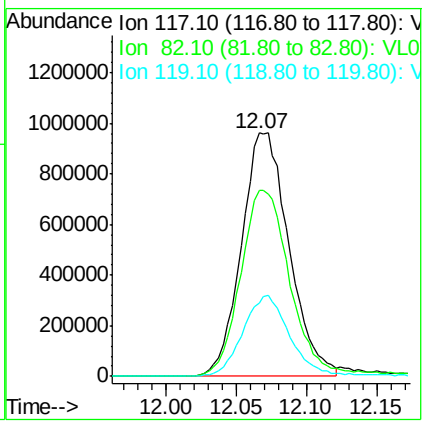


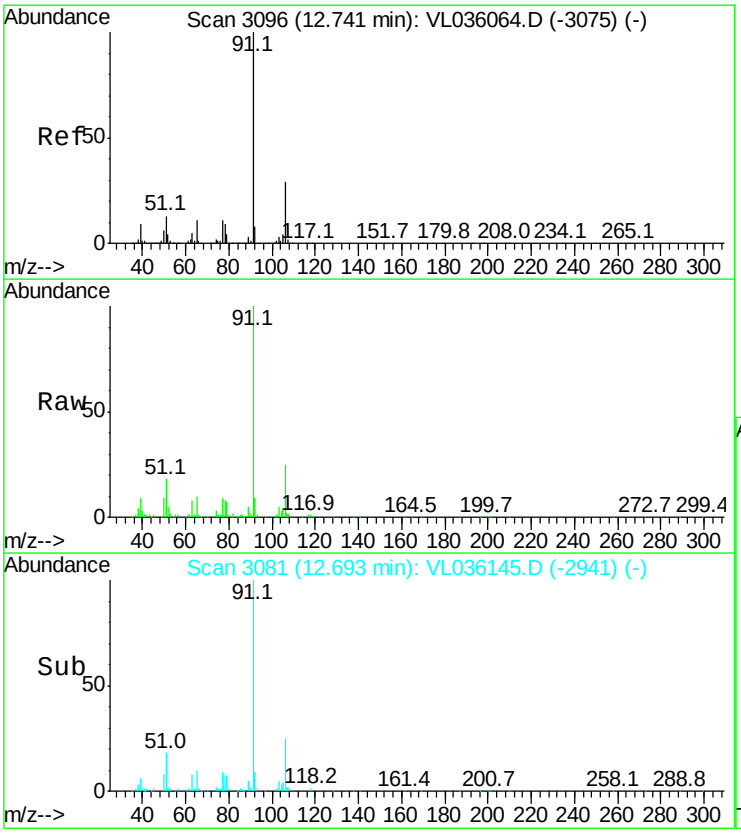
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument : MSVOA_L
ClientSampleId : SS-7B

Tgt Ion:117 Resp: 2265899

Ion	Ratio	Lower	Upper
117	100		
82	81.1	0.0	0.0#
119	33.7	0.0	0.0#

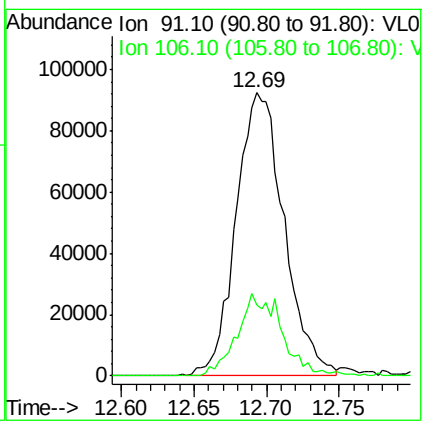


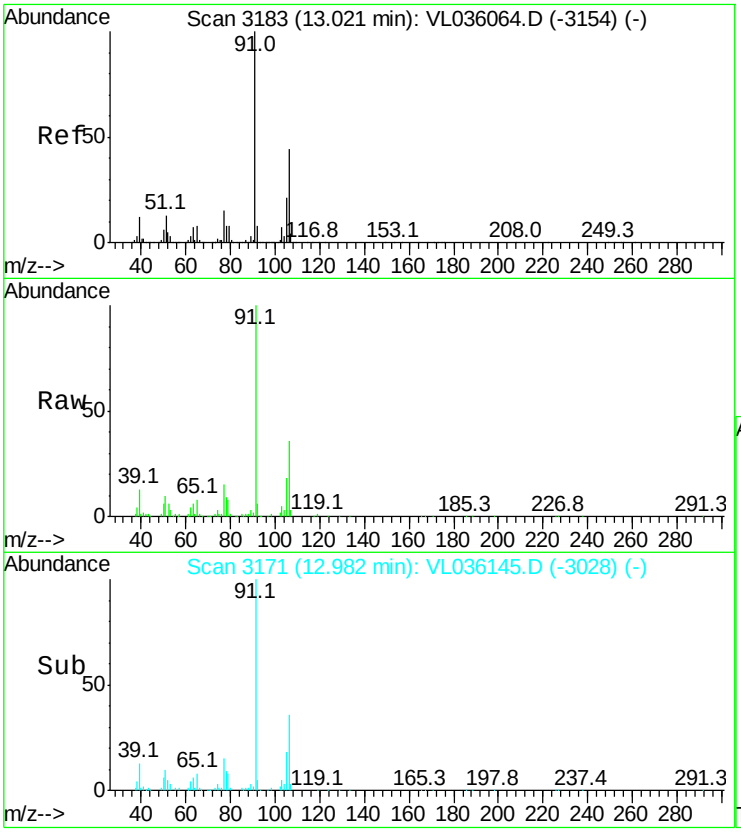


#58
Ethyl Benzene
Concen: 0.685 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 91 Resp: 212633

Ion	Ratio	Lower	Upper
91	100		
106	25.2	23.0	34.4



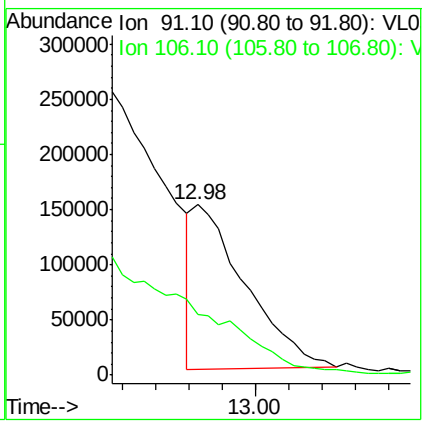


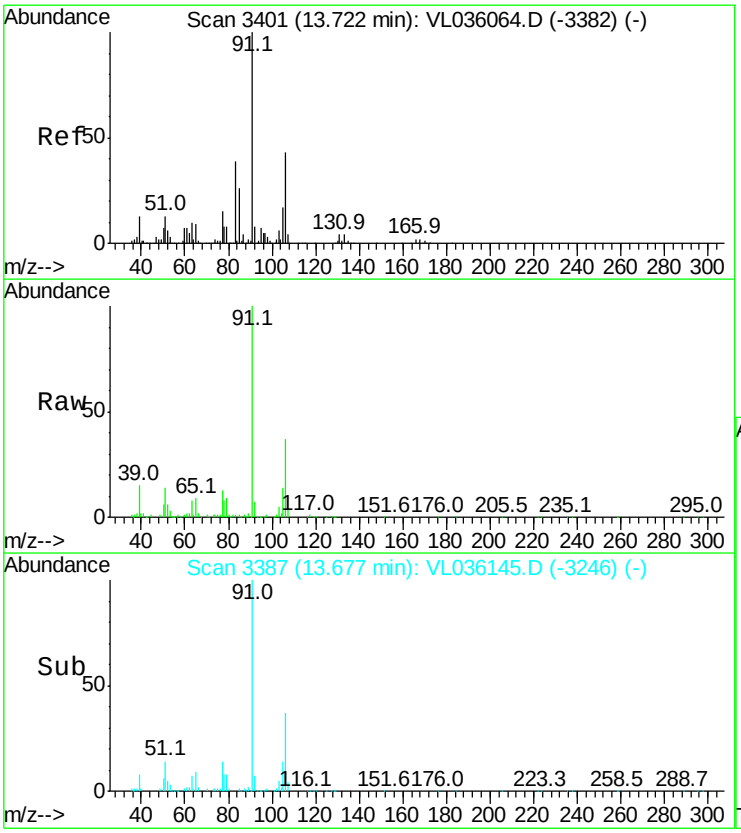
#59
m/p-Xylene
Concen: 0.618 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 91 Resp: 161645

Ion	Ratio	Lower	Upper
91	100		
106	0.0	33.6	50.4#

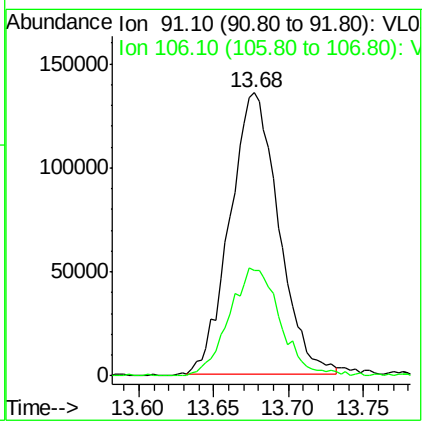


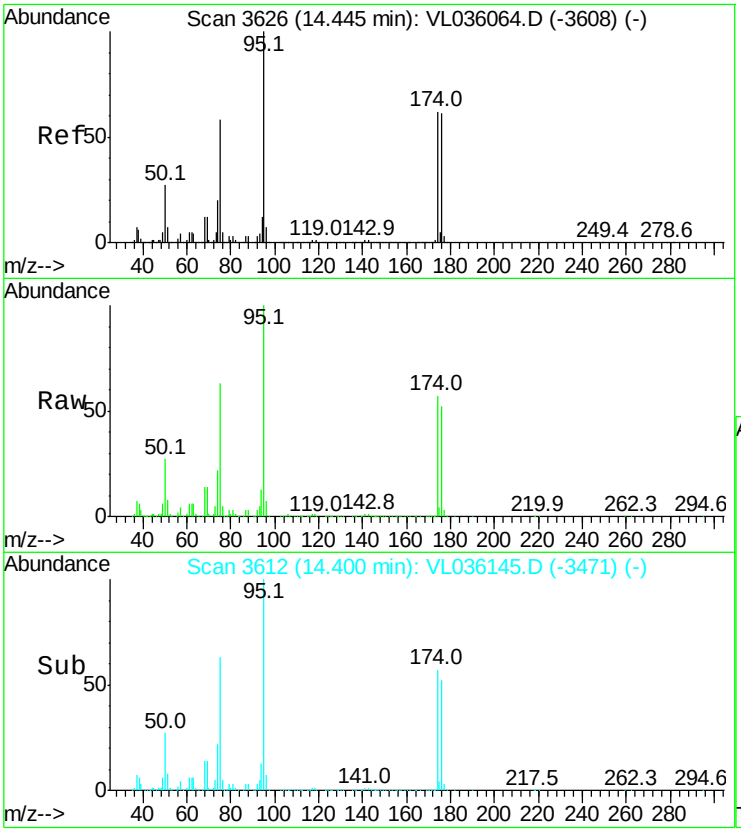


#60
o-Xylene
Concen: 1.246 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion: 91 Resp: 307146

Ion	Ratio	Lower	Upper
91	100		
106	40.1	21.6	64.6



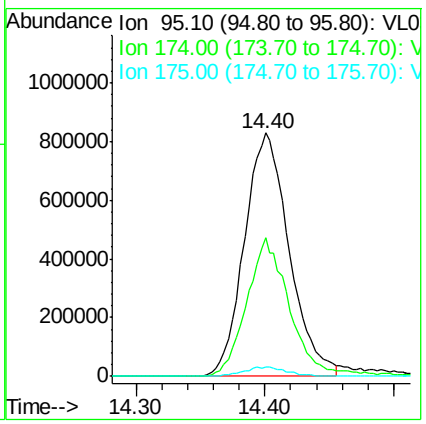


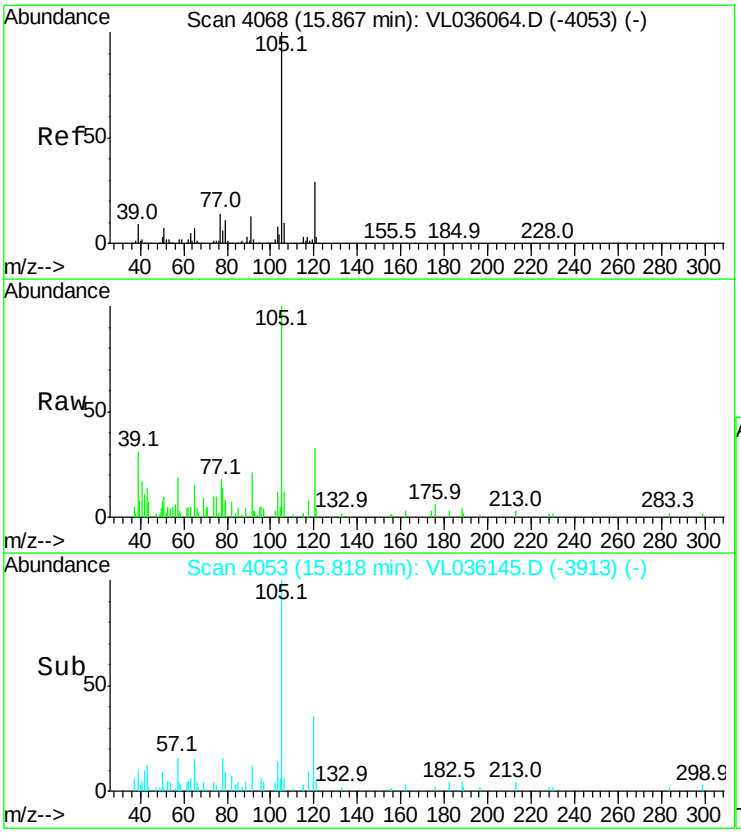
#68
1-Bromo-4-Fluorobenzene
Concen: 11.150 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion: 95 Resp: 2006166

Ion	Ratio	Lower	Upper
95	100		
174	54.7	50.7	76.1
175	4.0	4.0	6.0#

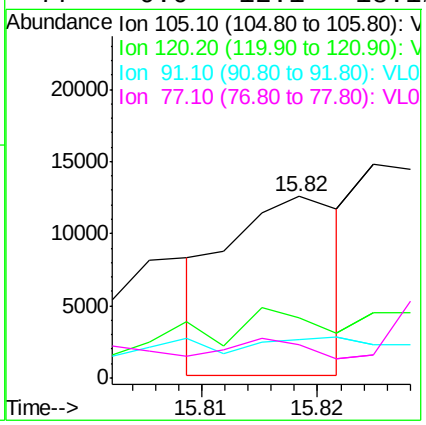


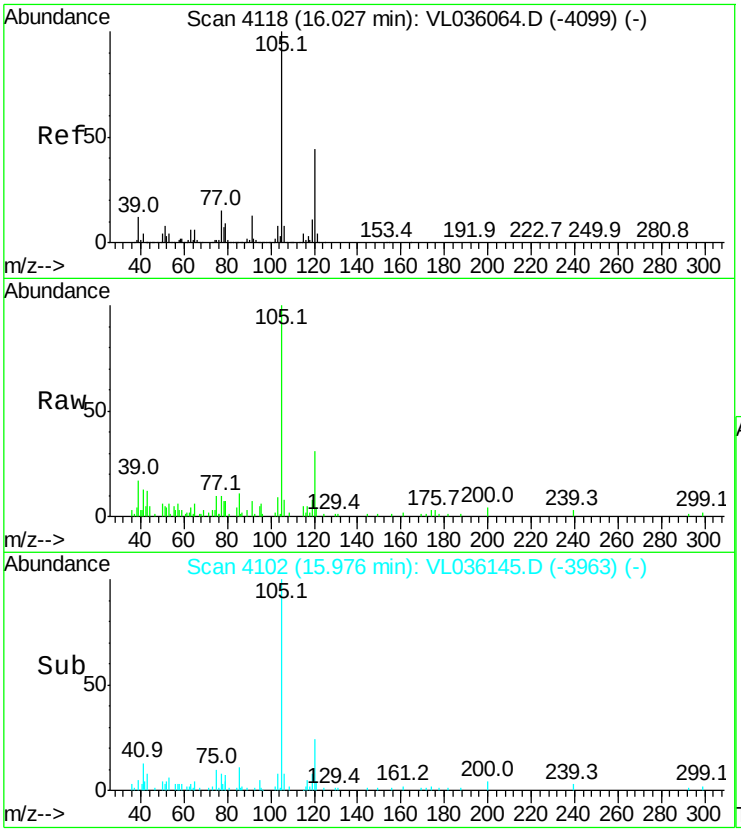


#72
4-Ethyltoluene
Concen: 0.032 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion:105 Resp: 8450

Ion	Ratio	Lower	Upper
105	100		
120	130.3	23.6	35.4#
91	0.0	11.4	17.0#
77	0.0	12.1	18.1#



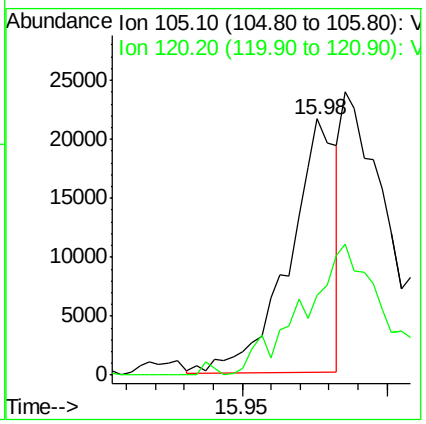


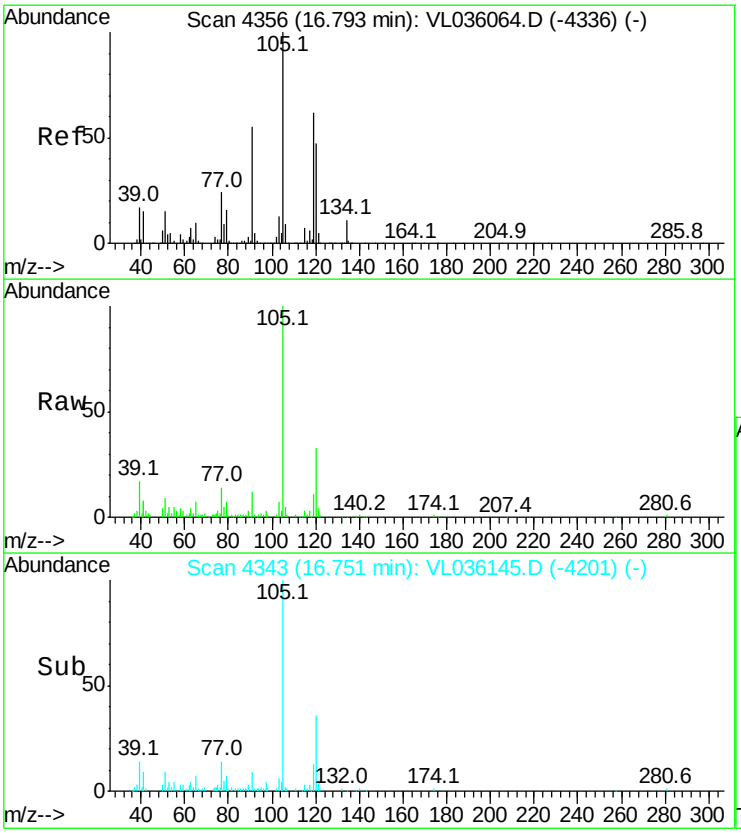
#73
1,3,5-Trimethylbenzene
Concen: 0.095 ppbv
RT: 15.98 min Scan# 4102
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion:105 Resp: 24196

Ion	Ratio	Lower	Upper
105	100		
120	31.6	35.4	53.2#

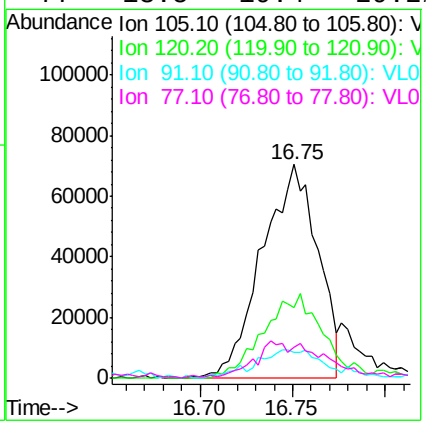


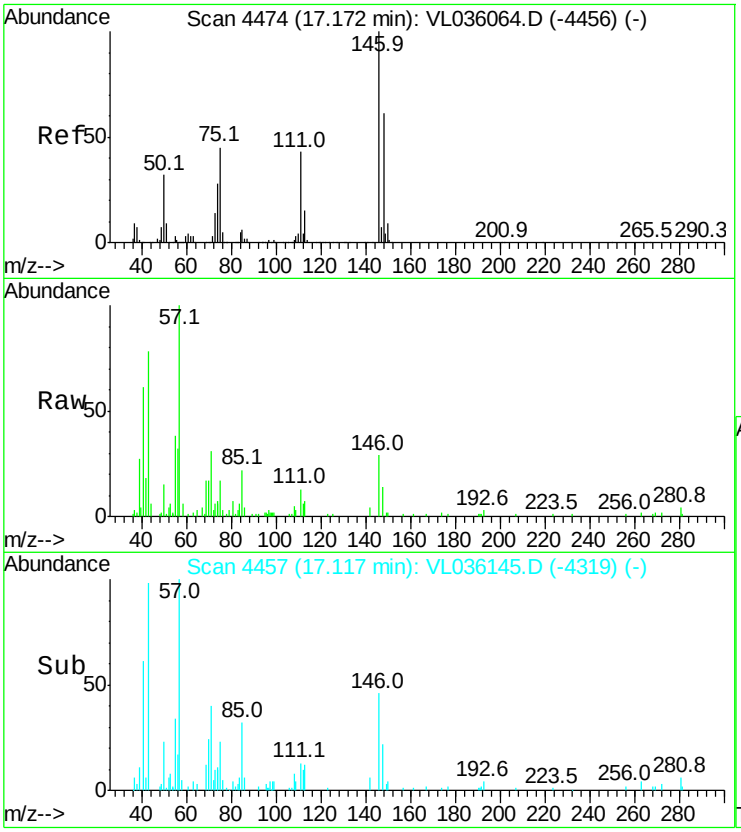


#74
1,2,4-Trimethylbenzene
Concen: 0.575 ppbv
RT: 16.75 min Scan# 4343
Delta R.T. -0.04 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion:105 Resp: 147154

Ion	Ratio	Lower	Upper
105	100		
120	32.8	37.4	56.0#
91	10.5	45.6	68.4#
77	13.5	19.4	29.2#



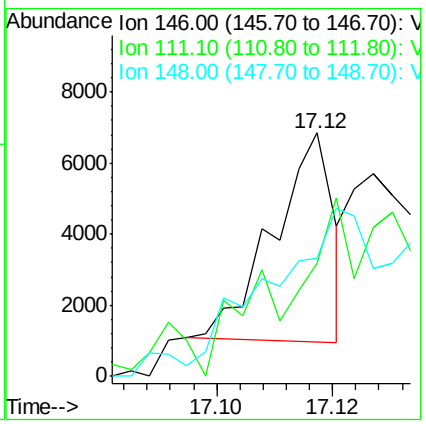


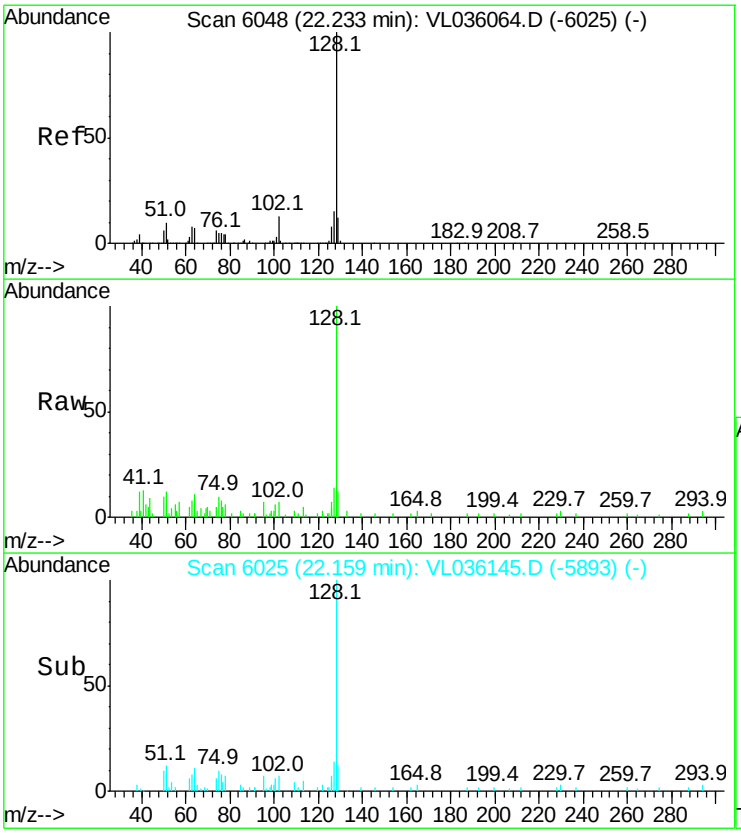
#76
1,4-Dichlorobenzene
Concen: 0.032 ppbv
RT: 17.12 min Scan# 4457
Delta R.T. -0.05 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Instrument :
MSVOA_L
ClientSampleId :
SS-7B

Tgt Ion:146 Resp: 4202

Ion	Ratio	Lower	Upper
146	100		
111	277.6	24.3	72.8#
148	281.7	32.8	98.3#





#79
Naphthalene
Concen: 0.059 ppbv
RT: 22.16 min Scan# 6025
Delta R.T. -0.07 min
Lab File: VL036145.D
Acq: 11 Dec 2020 2:06

Tgt Ion:128 Resp: 7713

Ion	Ratio	Lower	Upper
128	100		
127	13.7	11.7	17.5
129	9.2	9.3	13.9#