Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

Quantitation Report (Not Reviewed)

Data File : VL032851.D
Acq On : 30 Nov 2018 16:27
Operator : SY/AP
Sample : J6132-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SITE-D-DUPDL

Quant Time: Dec 01 02:23:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.77	49	1592053	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.30	114	4064343	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.25	117	3885985	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.58	95	2951810	10.16	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	6869	0.030	ppbv	#	88
3) Chlorodifluoromethane	3.02	51	6990	0.055	ppbv	#	90
4) Chloromethane	3.18	50	3682	0.053	ppbv		89
5) Vinyl Chloride	3.05	62	67611	0.912	ppbv	#	43
9) Propene	3.24	41	4006898	79.328	ppbv		98
10) Heptane	8.25	43	152058	0.789	ppbv		98
13) Ethanol	3.66	45	30932	1.870	ppbv	#	29
15) Acetone	3.93	43	2249816	15.474	ppbv	#	70
16) 1,3-Butadiene	3.35	39	205164	3.644	ppbv	#	34
20) Methylene Chloride	4.41	84	52200	0.694	ppbv	#	88
21) Allyl Chloride	4.44	41	19110	0.156	ppbv	#	9
23) Vinyl Acetate	5.14	43	525034	1.981	ppbv	#	1
25) Ethyl Acetate	5.79	43	329982	0.974	ppbv	#	78
26) Hexane	5.79	57	479938	3.182	ppbv	#	44
27) Carbon Disulfide	4.62	76	2727159	14.258	ppbv		99
30) Cyclohexane	7.26	84	1981145	15.016	ppbv		96
34) 2-Butanone	5.34	43	484099	2.296	ppbv		98
36) Benzene	7.01	78	3930787	12.145	ppbv		98
39) 1,2-Dichloropropane	7.30	63	938005	7.607	ppbv	#	22
41) Tetrahydrofuran	5.93	42	12707	0.105	ppbv	#	36
42) Bromodichloromethane	7.93	83	36878	0.125	ppbv	#	31
44) 2,2,4-Trimethylpentane	8.00	57	124698	0.231	ppbv	#	1
51) 2-Hexanone	10.26	43	19116	0.090	ppbv	#	29
53) Toluene	9.95	91	1962740	5.813	ppbv		99
57) Chlorobenzene	12.34	112	25649	0.086	ppbv	#	29
58) Ethyl Benzene	12.87	91	362905	0.776	ppbv		99
59) m/p-Xylene	13.13	91	1032072	2.479	ppbv		97
60) o-Xylene	13.86	91	484109	1.156	ppbv		99
62) Isopropylbenzene	14.83	105	49402	0.087	ppbv		100
64) n-propylbenzene	15.73	120	5082	0.034	ppbv	#	1
65) tert-Butylbenzene	16.93	119	32220	0.064	ppbv	#	59
72) 4-Ethyltoluene	16.01	105	40073	0.087	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.16	105	81351	0.181	ppbv		93
74) 1,2,4-Trimethylbenzene	16.94	105	255604	0.532	ppbv	#	71

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

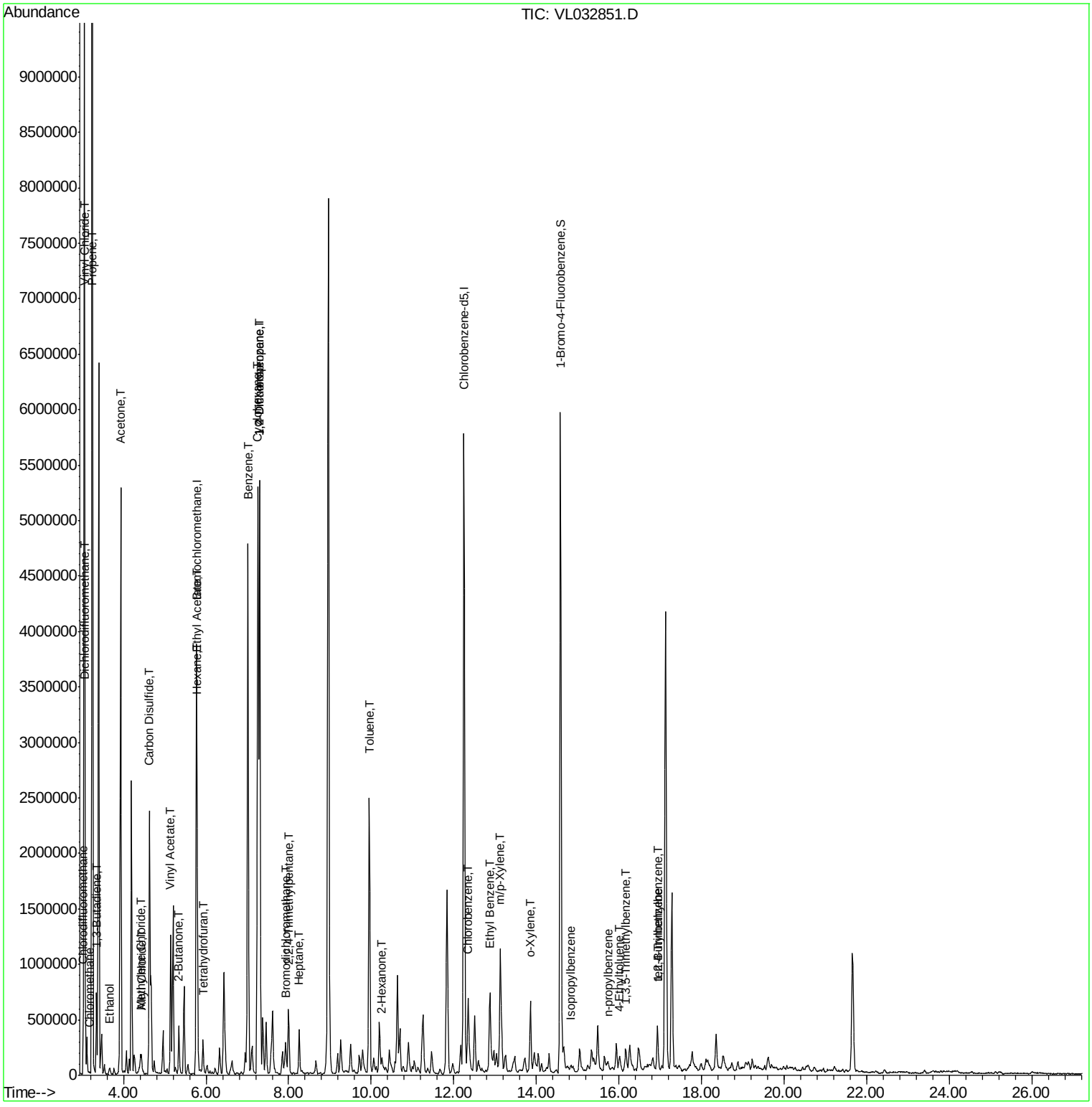
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL113018\

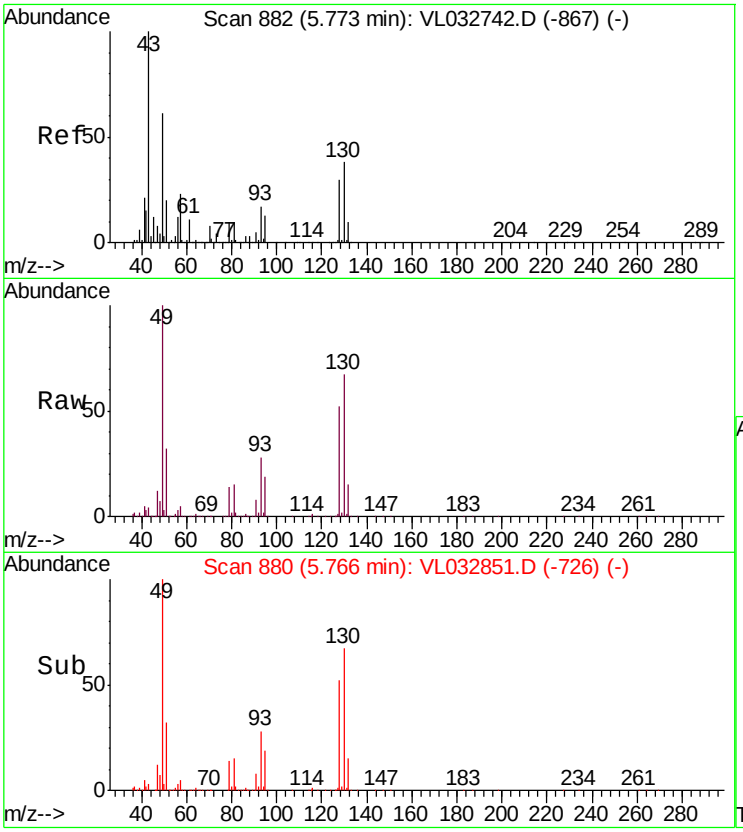
Quantitation Report (Not Reviewed)

Data File : VL032851.D
Acq On : 30 Nov 2018 16:27
Operator : SY/AP
Sample : J6132-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : SITE-D-DUPDL

Quant Time: Dec 01 02:23:36 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration



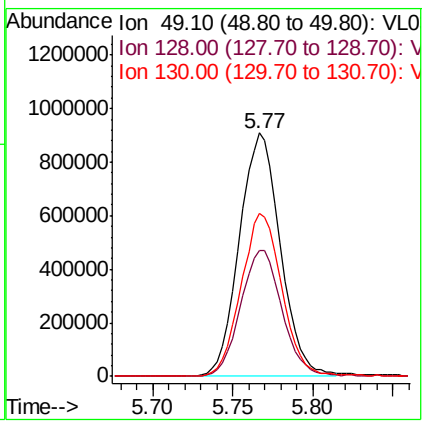


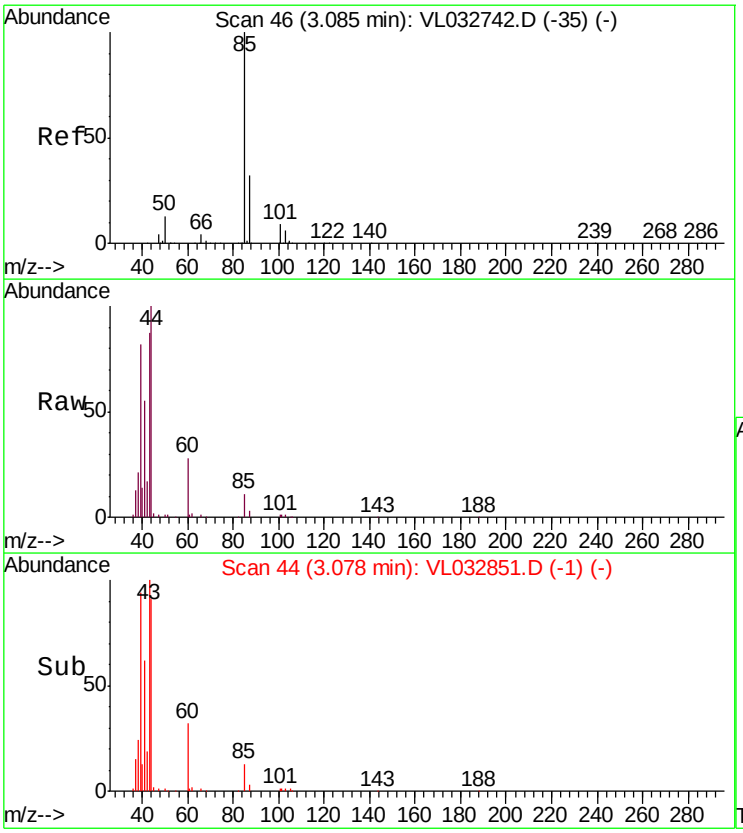
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 49 Resp: 1592053

Ion	Ratio	Lower	Upper
49	100		
128	52.8	24.9	74.6
130	67.8	31.4	94.2

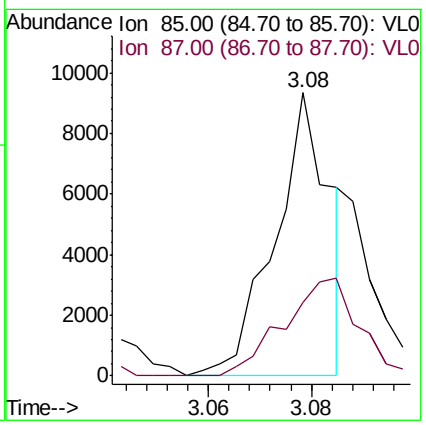


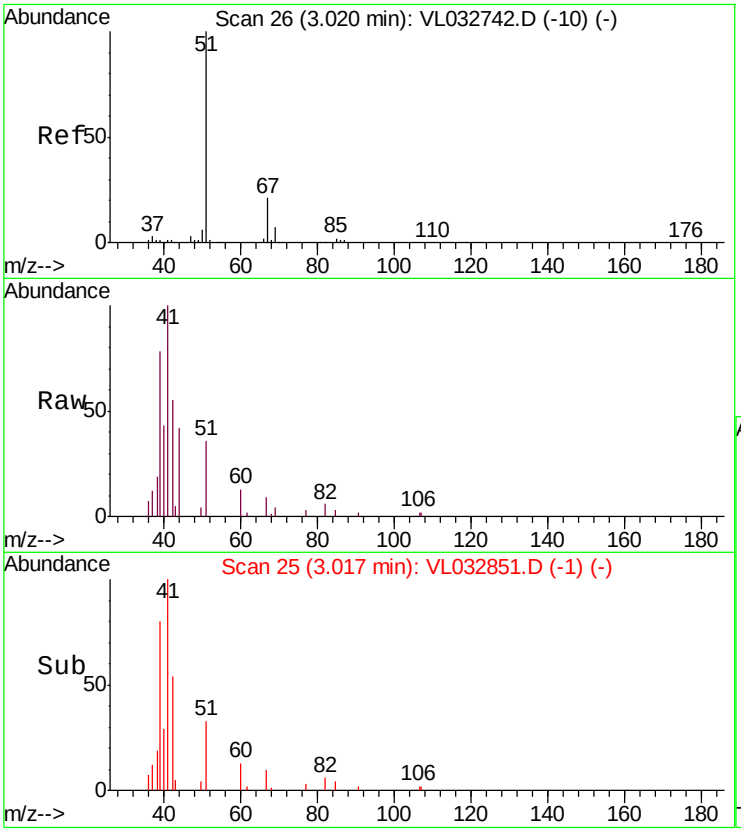


#2
Dichlorodifluoromethane
Concen: 0.030 ppbv
RT: 3.08 min Scan# 44
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 85 Resp: 6869

Ion	Ratio	Lower	Upper
85	100		
87	25.8	26.0	39.0#



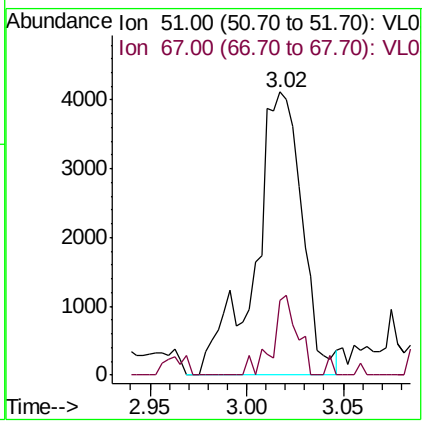


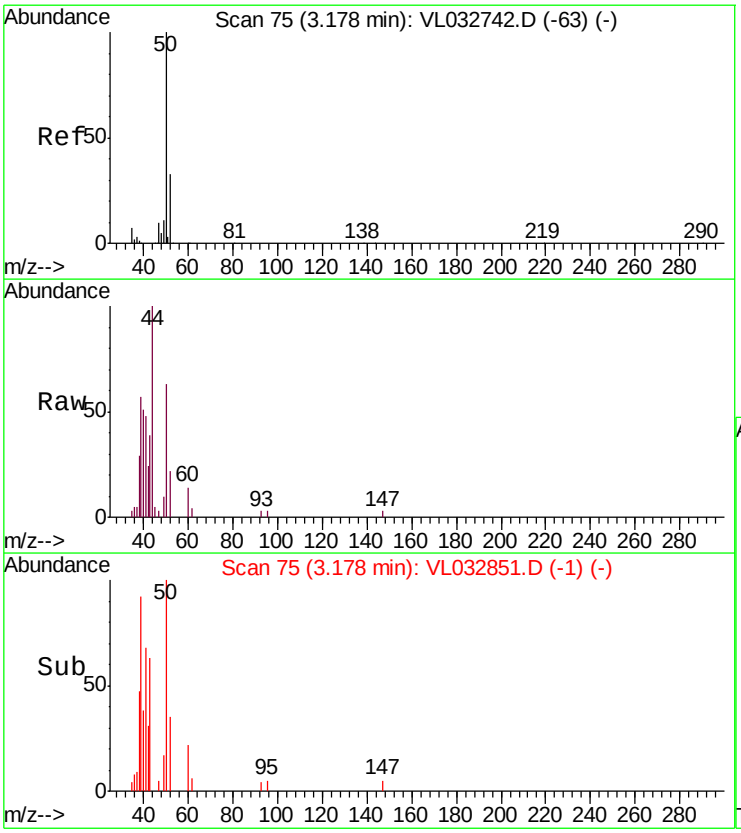
#3
Chlorodifluoromethane
Concen: 0.055 ppbv
RT: 3.02 min Scan# 25
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 51 Resp: 6990

Ion	Ratio	Lower	Upper
51	100		
67	15.4	16.1	24.1#

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

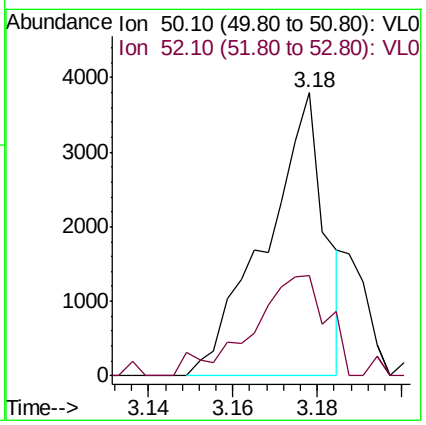


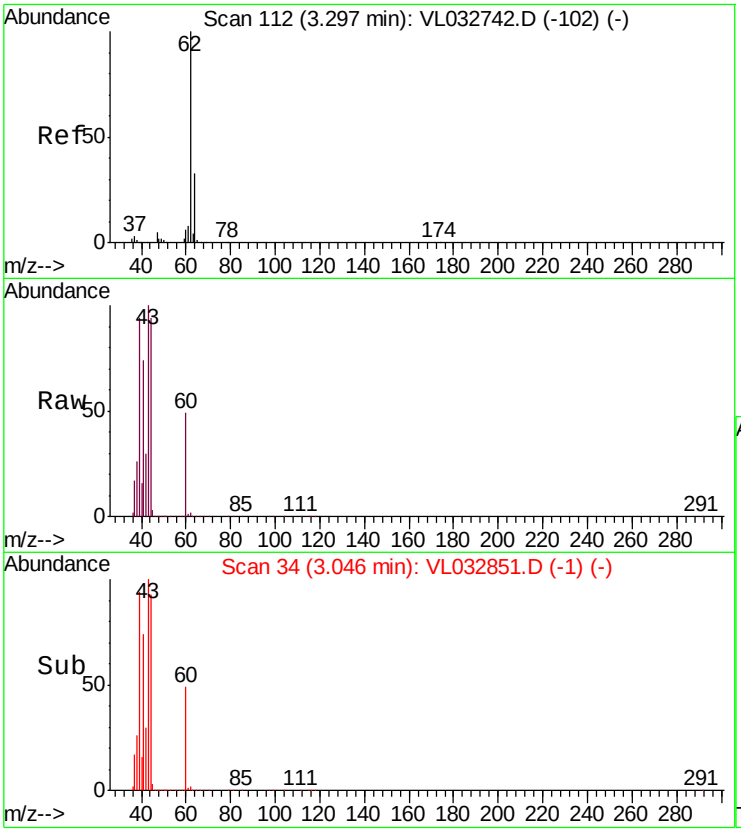


#4
Chloromethane
Concen: 0.053 ppbv
RT: 3.18 min Scan# 75
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 50 Resp: 3682

Ion	Ratio	Lower	Upper
50	100		
52	27.2	26.6	40.0



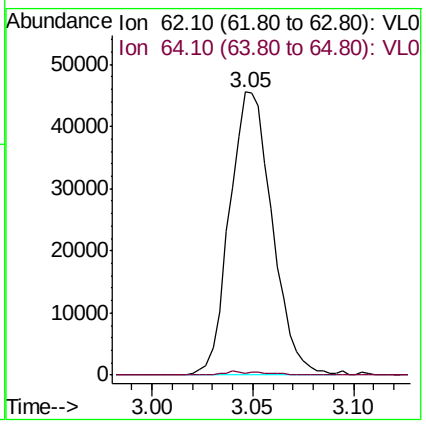


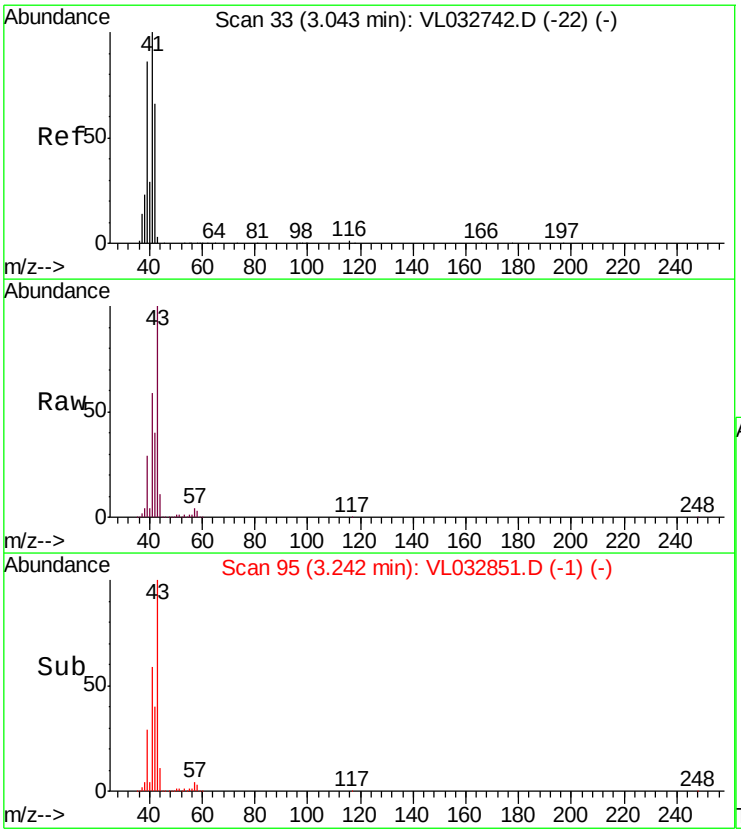
#5
Vinyl Chloride
Concen: 0.912 ppbv
RT: 3.05 min Scan# 34
Delta R.T. -0.25 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 62 Resp: 67611

Ion	Ratio	Lower	Upper
62	100		
64	0.6	26.2	39.4#

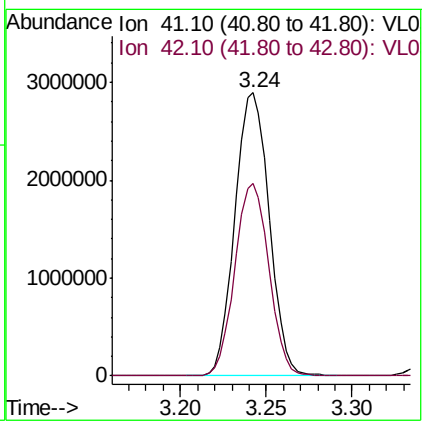


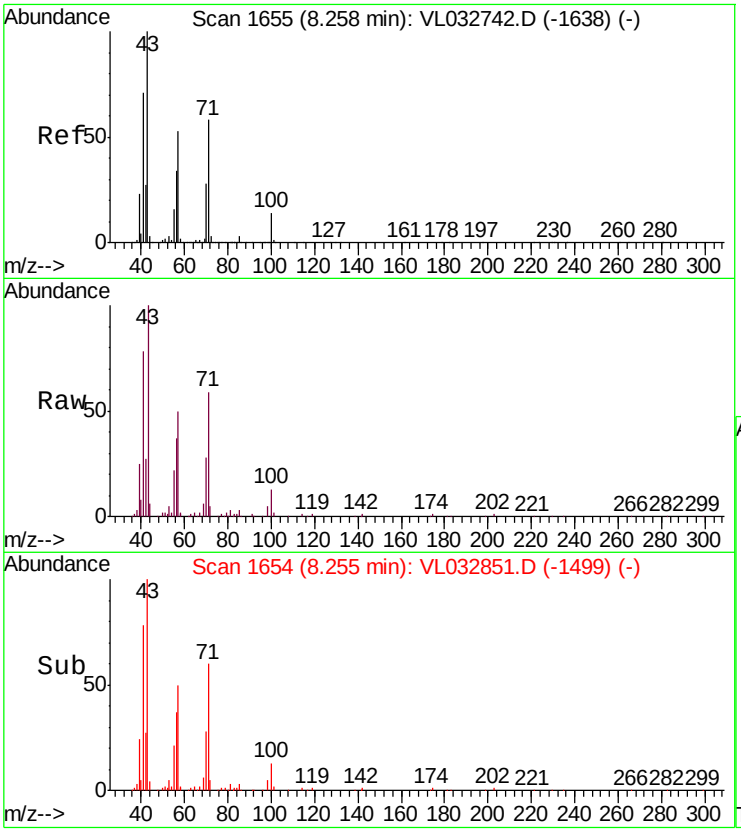


#9
Propene
Concen: 79.328 ppbv
RT: 3.24 min Scan# 95
Delta R.T. 0.20 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 41 Resp: 4006898

Ion	Ratio	Lower	Upper
41	100		
42	67.3	55.0	82.6



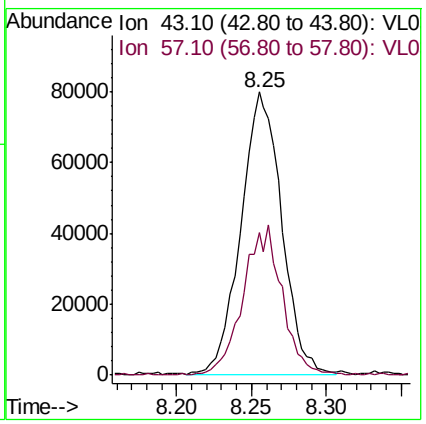


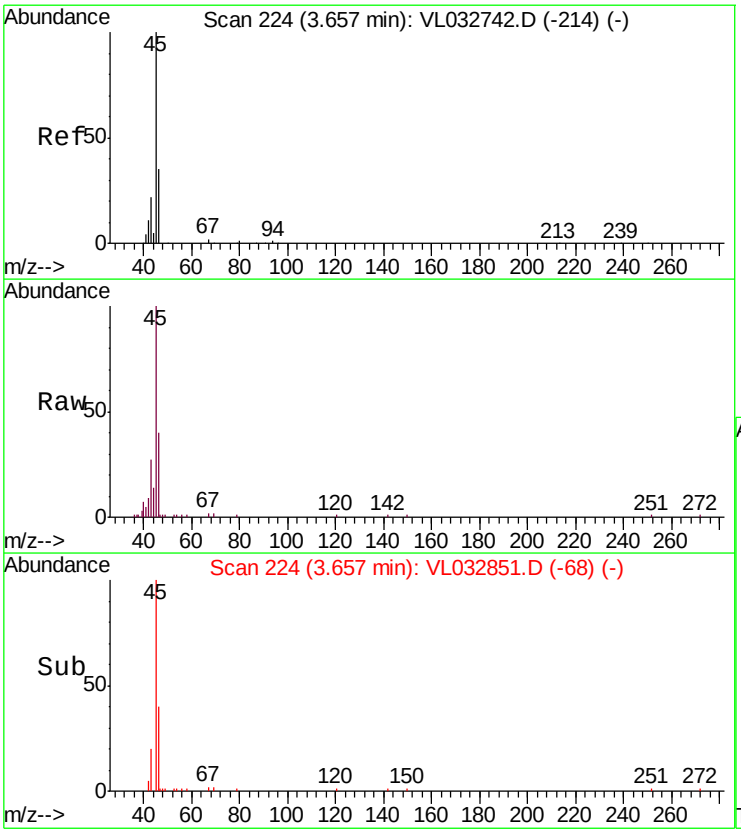
#10
Heptane
Concen: 0.789 ppbv
RT: 8.25 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 43 Resp: 152058

Ion	Ratio	Lower	Upper
43	100		
57	50.6	41.8	62.8

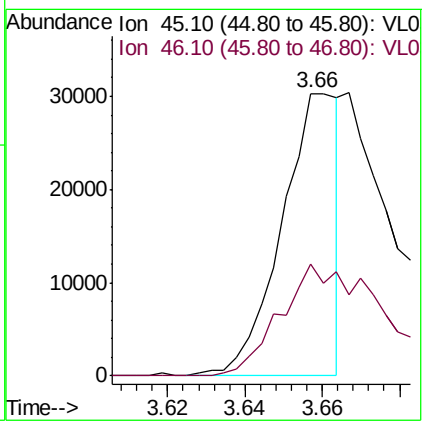


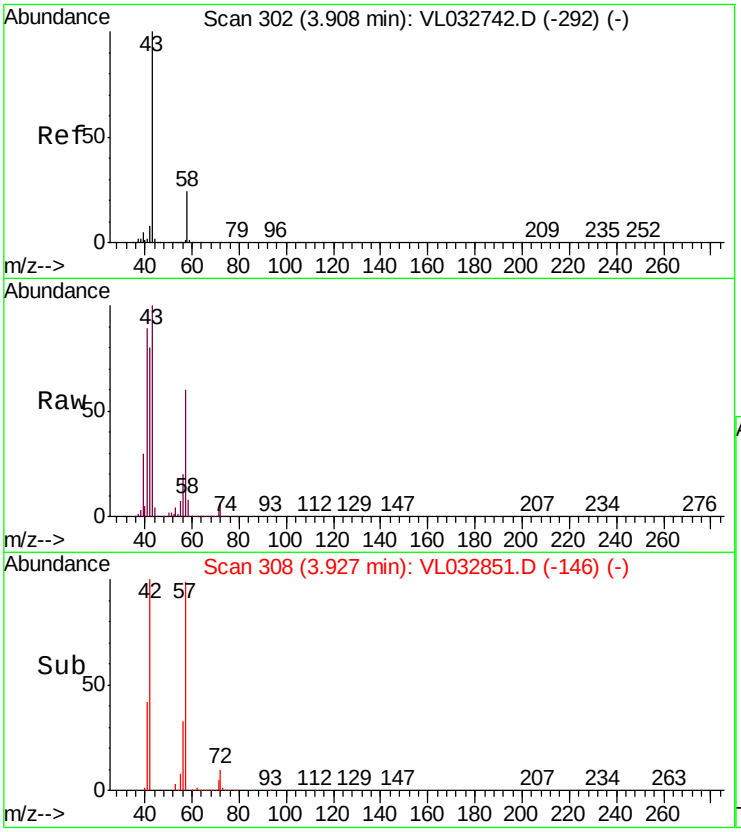


#13
Ethanol
Concen: 1.870 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 45 Resp: 30932

Ion	Ratio	Lower	Upper
45	100		
46	77.8	14.5	57.9#



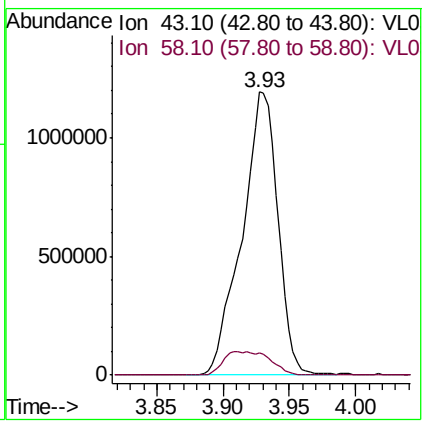


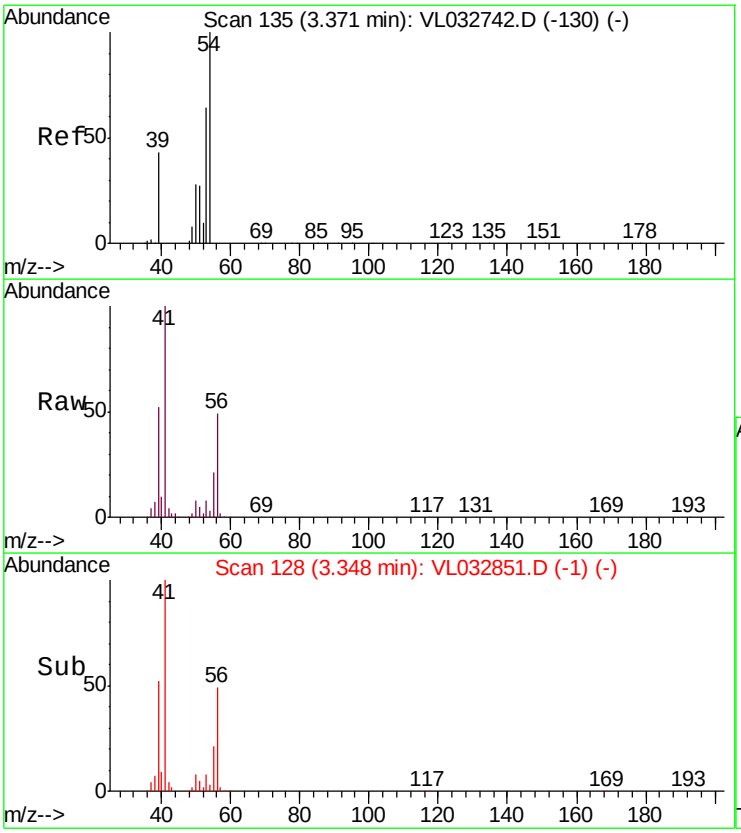
#15
Acetone
Concen: 15.474 ppbv
RT: 3.93 min Scan# 308
Delta R.T. 0.02 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 43 Resp: 2249816

Ion	Ratio	Lower	Upper
43	100		
58	11.1	21.1	31.7#

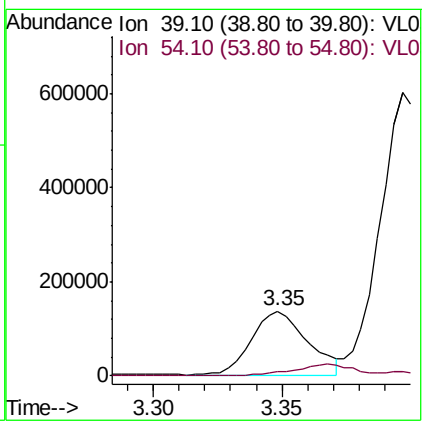


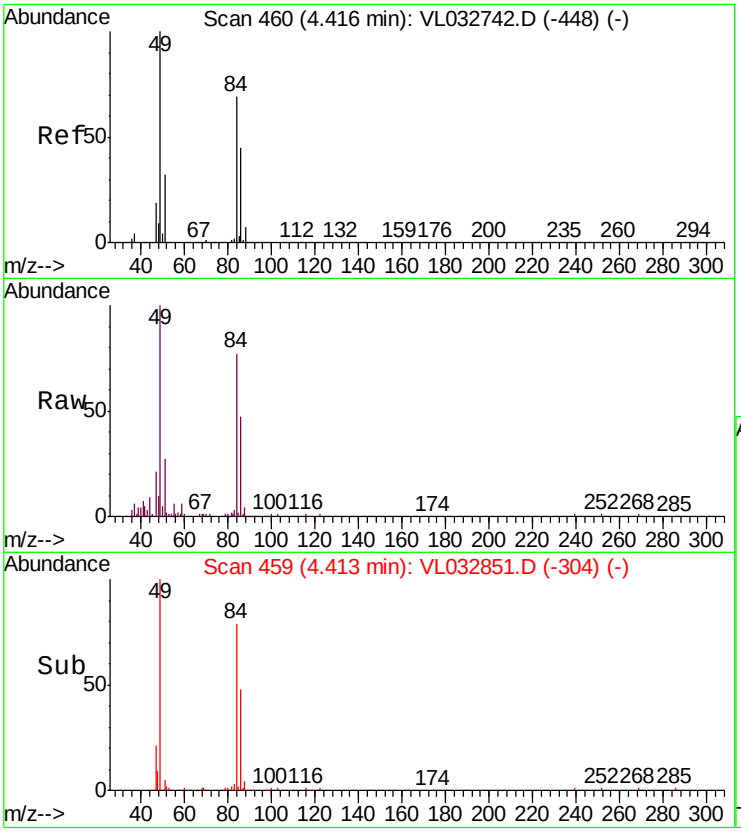


#16
1,3-Butadiene
Concen: 3.644 ppbv
RT: 3.35 min Scan# 128
Delta R.T. -0.02 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 39 Resp: 205164

Ion	Ratio	Lower	Upper
39	100		
54	25.6	68.9	103.3#



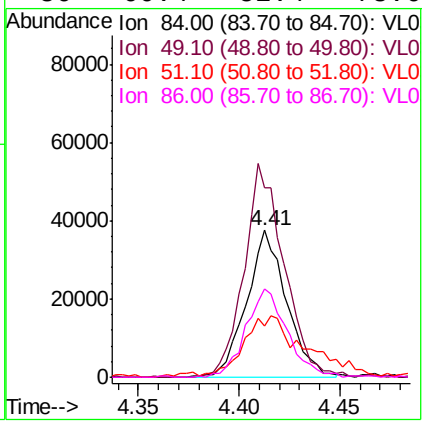


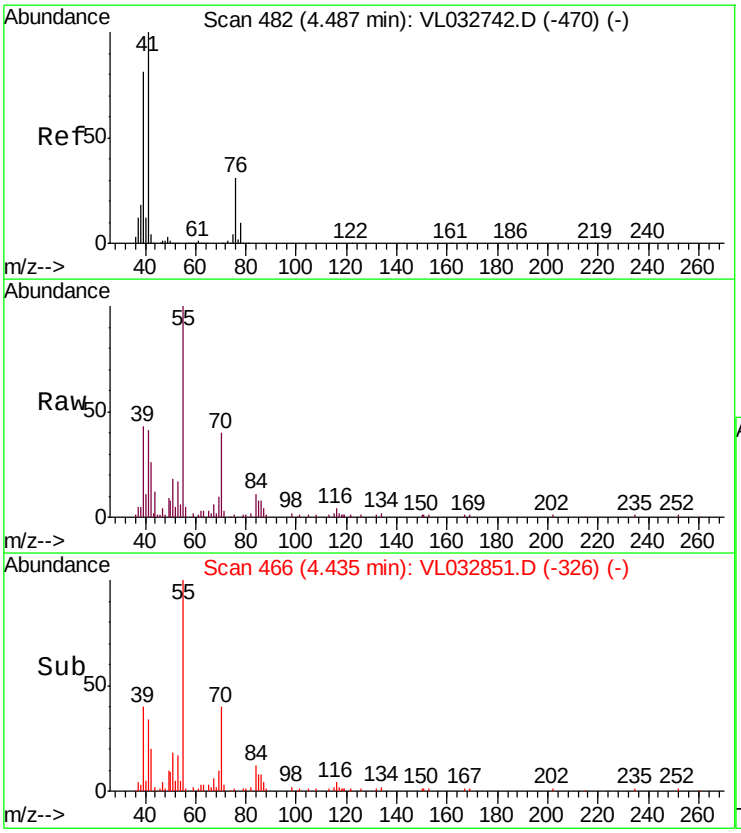
#20
Methylene Chloride
Concen: 0.694 ppbv
RT: 4.41 min Scan# 459
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument : MSVOA_L
ClientSampleId : SITE-D-DUPDL

Tgt Ion: 84 Resp: 52200

Ion	Ratio	Lower	Upper
84	100		
49	129.1	115.8	173.6
51	33.8	36.9	55.3#
86	60.4	52.4	78.6

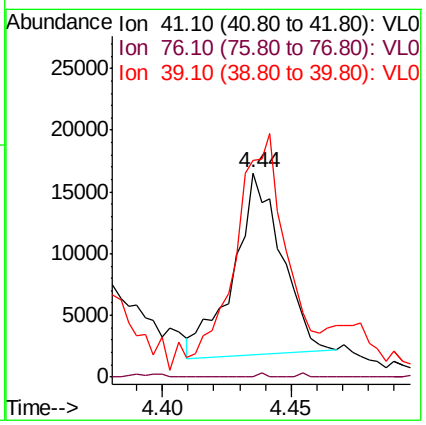


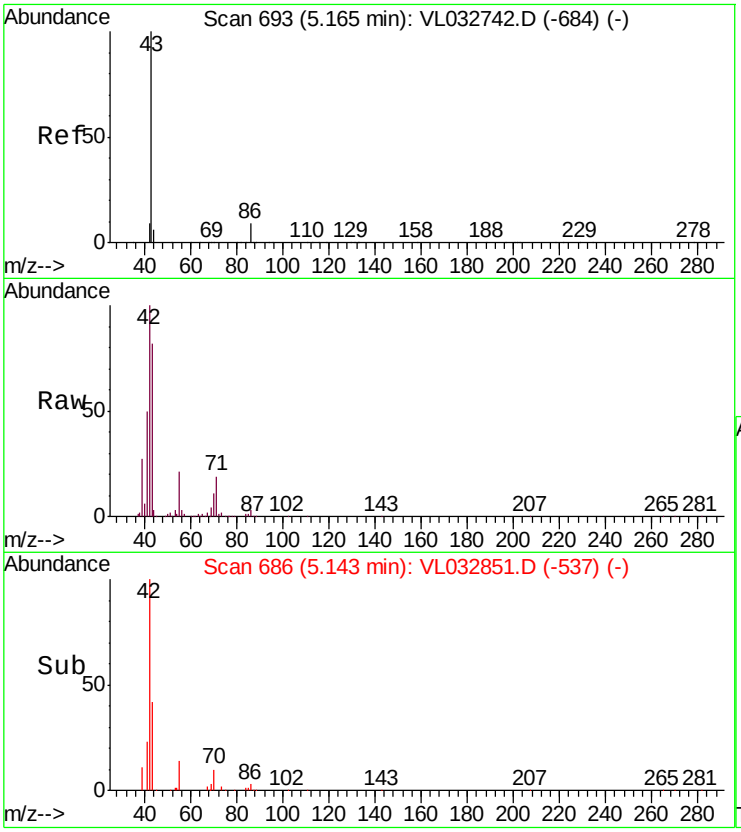


#21
Allyl Chloride
Concen: 0.156 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.05 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 41 Resp: 19110

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.4	36.6#
39	171.5	63.5	95.3#



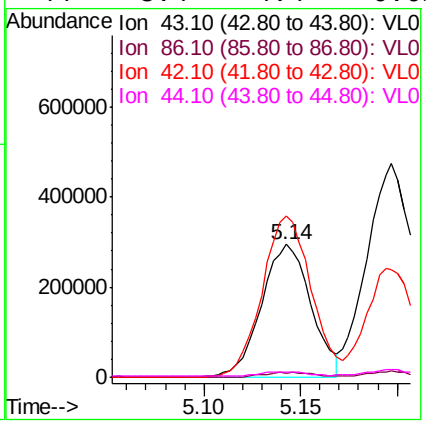


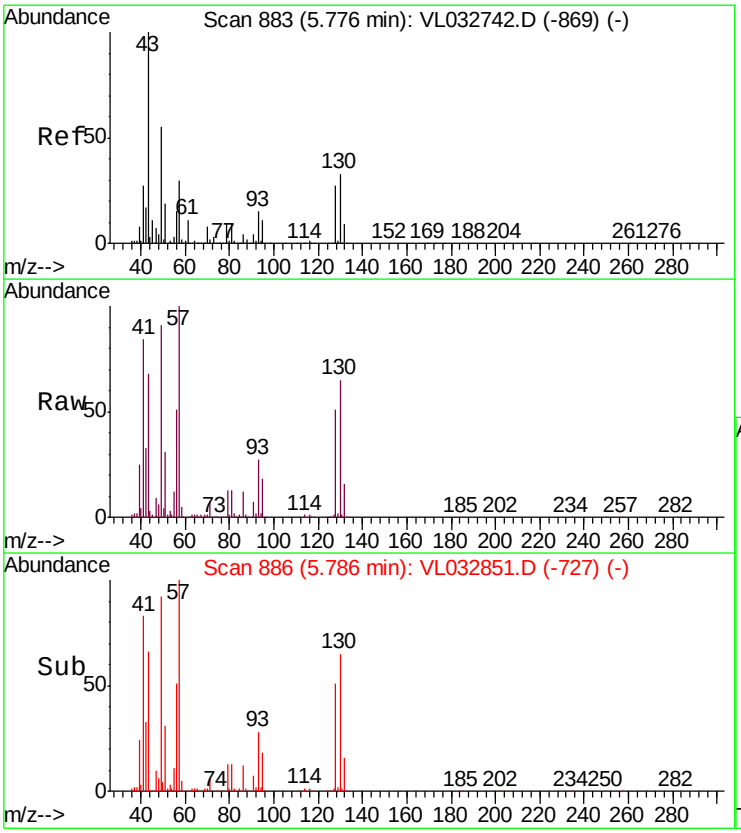
#23
Vinyl Acetate
Concen: 1.981 ppbv
RT: 5.14 min Scan# 686
Delta R.T. -0.02 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 43 Resp: 525034

Ion	Ratio	Lower	Upper
43	100		
86	3.3	6.2	9.4#
42	121.7	7.8	11.6#
44	3.4	4.4	6.6#

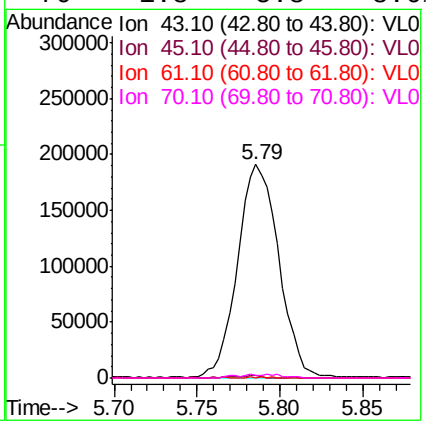


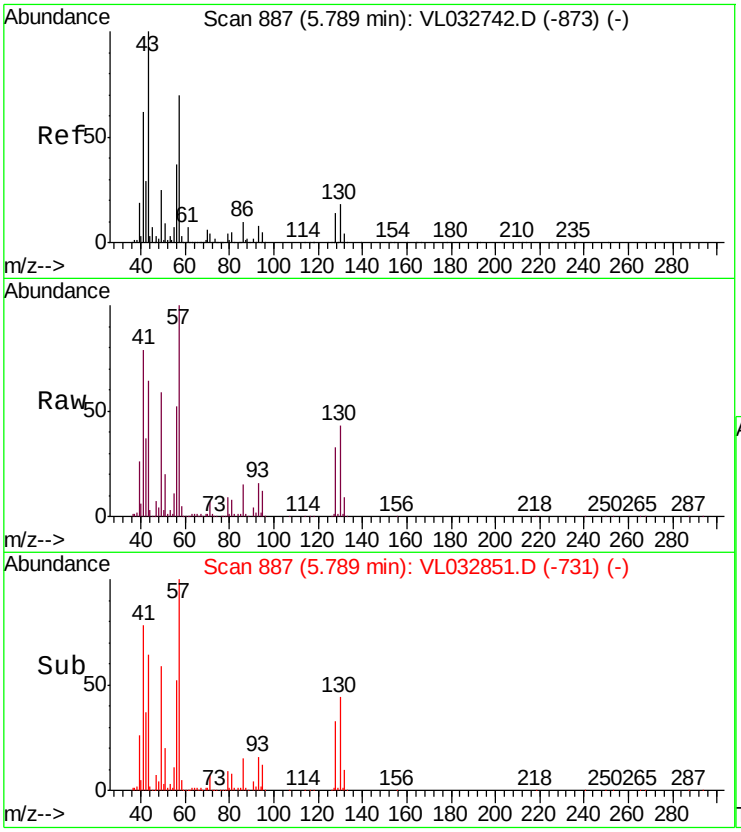


#25
Ethyl Acetate
Concen: 0.974 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 43 Resp: 329982

Ion	Ratio	Lower	Upper
43	100		
45	1.0	7.9	11.9#
61	0.4	7.8	11.6#
70	1.8	5.8	8.6#



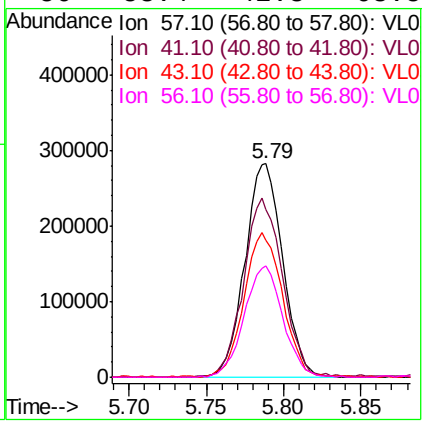


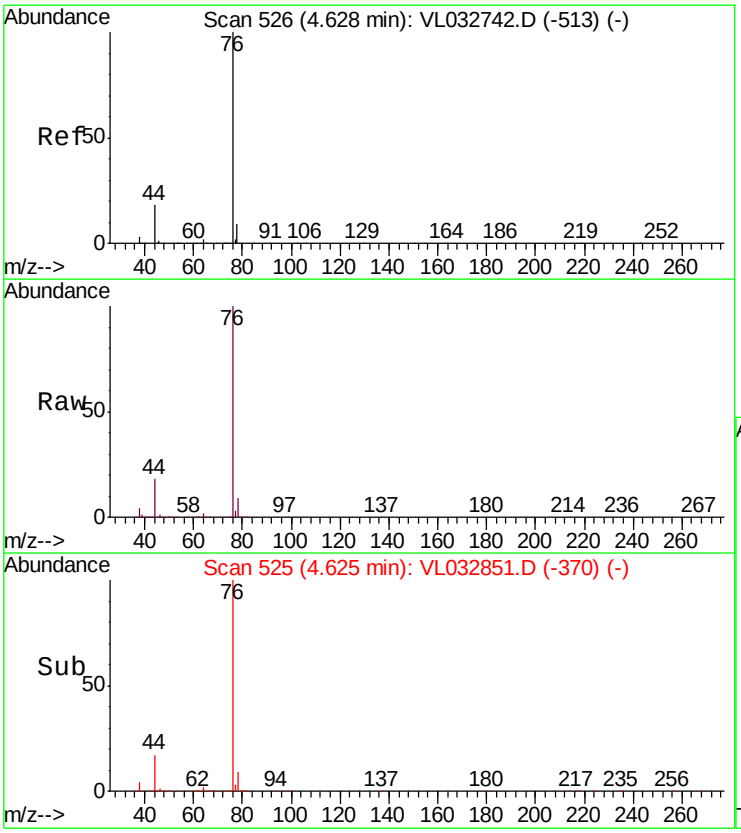
#26
Hexane
Concen: 3.182 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 57 Resp: 479938

Ion	Ratio	Lower	Upper
57	100		
41	87.7	70.3	105.5
43	69.6	174.0	261.0#
56	53.4	42.3	63.5

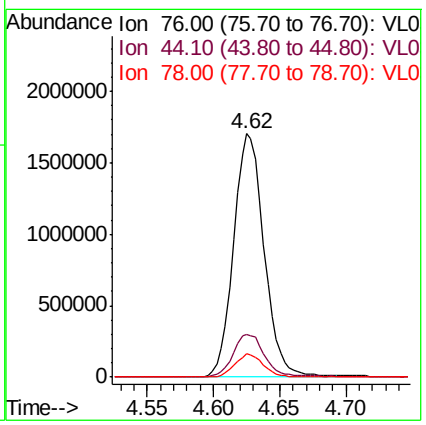


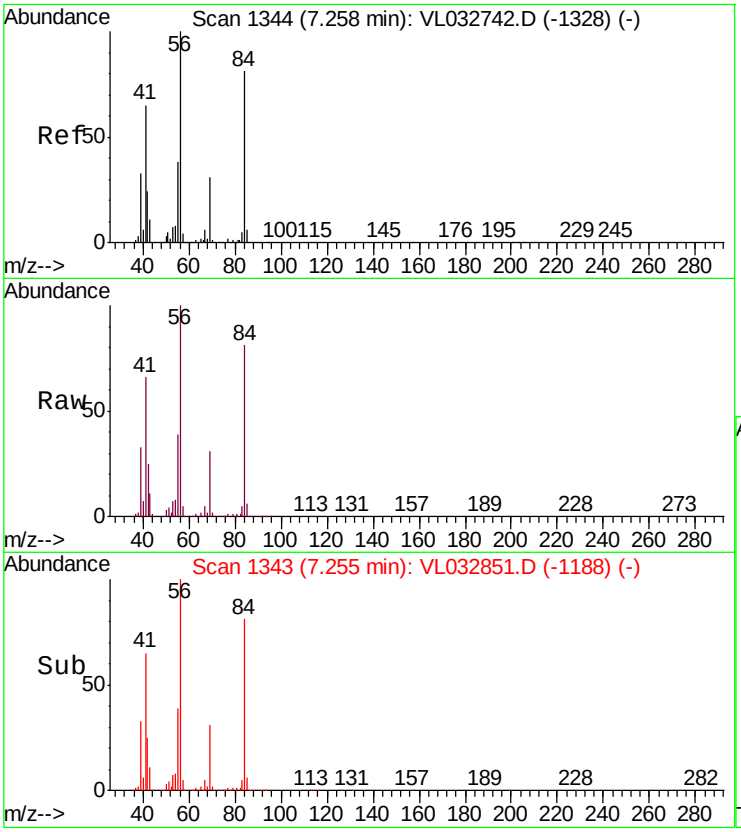


#27
Carbon Disulfide
Concen: 14.258 ppbv
RT: 4.62 min Scan# 525
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 76 Resp: 2727159

Ion	Ratio	Lower	Upper
76	100		
44	17.9	14.4	21.6
78	9.1	7.7	11.5



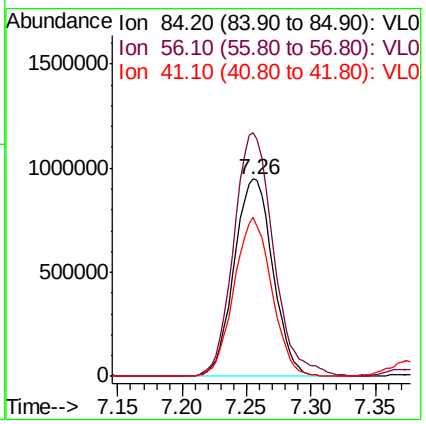


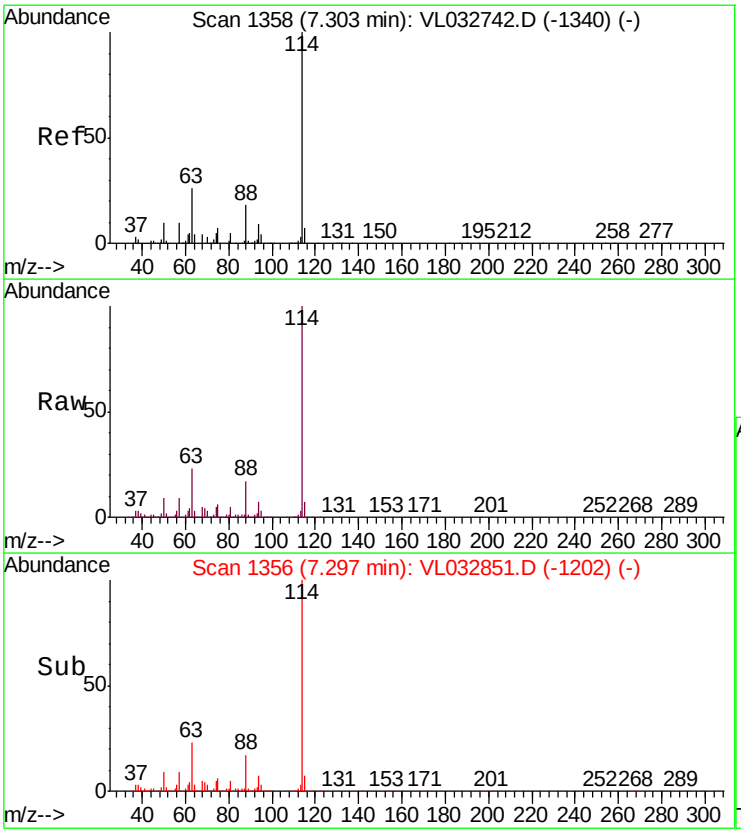
#30
Cyclohexane
Concen: 15.016 ppbv
RT: 7.26 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 84 Resp: 1981145

Ion	Ratio	Lower	Upper
84	100		
56	127.0	105.0	157.4
41	78.3	65.3	97.9

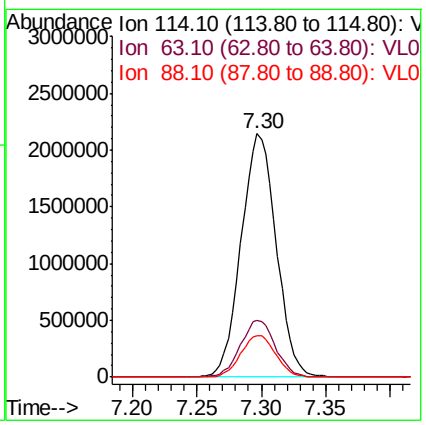


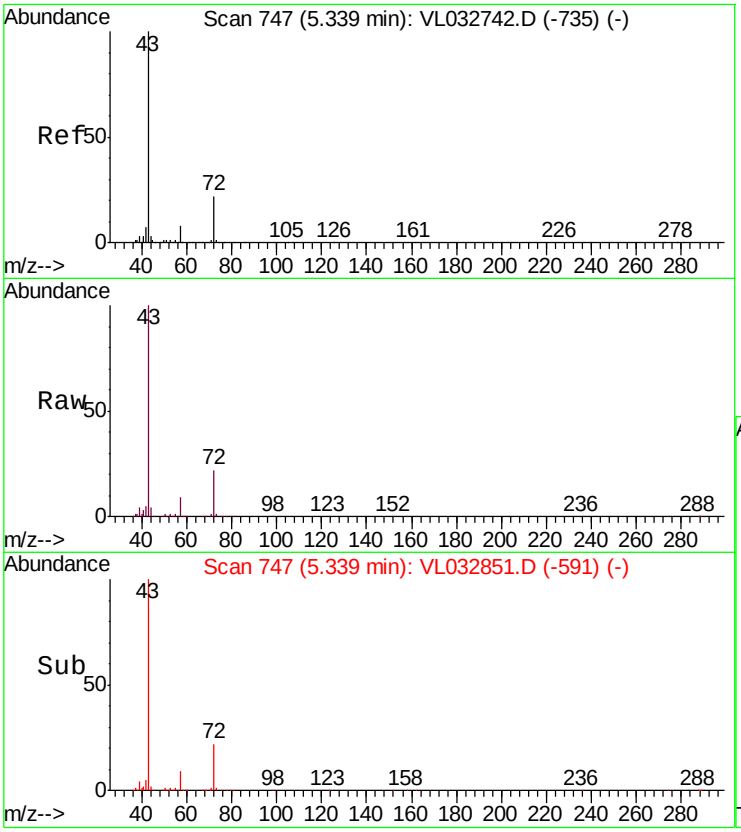


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:114 Resp: 4064343

Ion	Ratio	Lower	Upper
114	100		
63	23.8	20.9	31.3
88	17.2	14.4	21.6



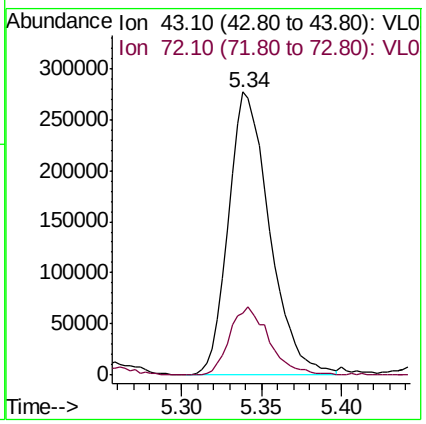


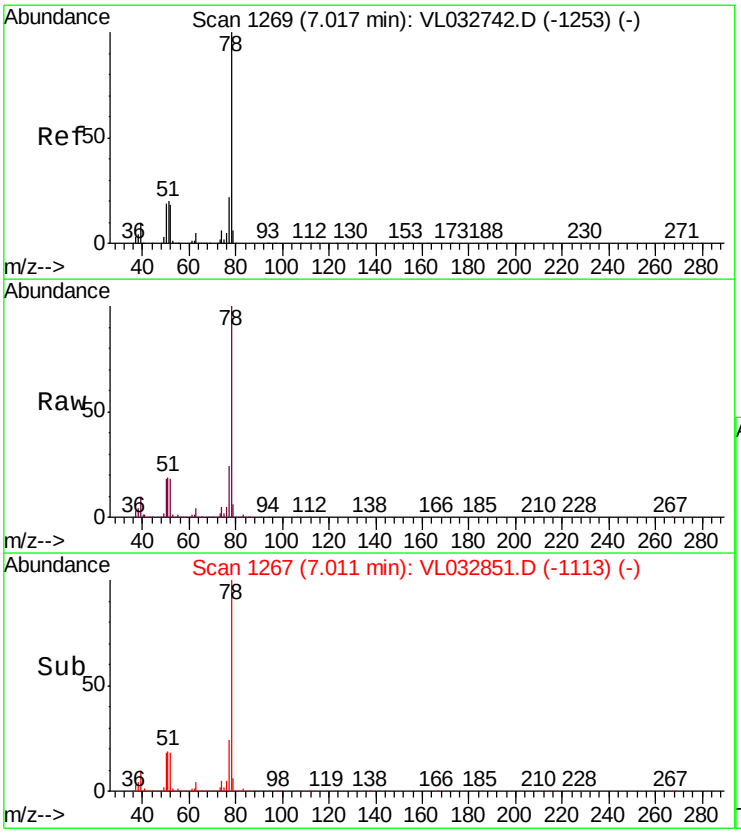
#34
2-Butanone
Concen: 2.296 ppbv
RT: 5.34 min Scan# 747
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 43 Resp: 484099

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.4	27.6

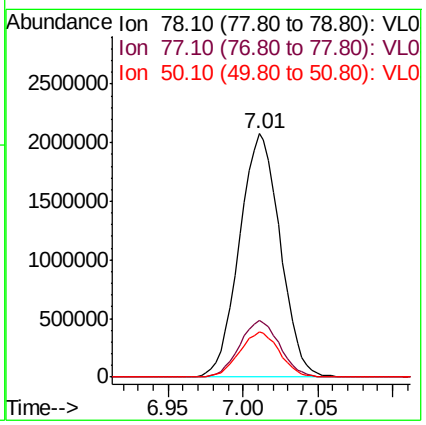


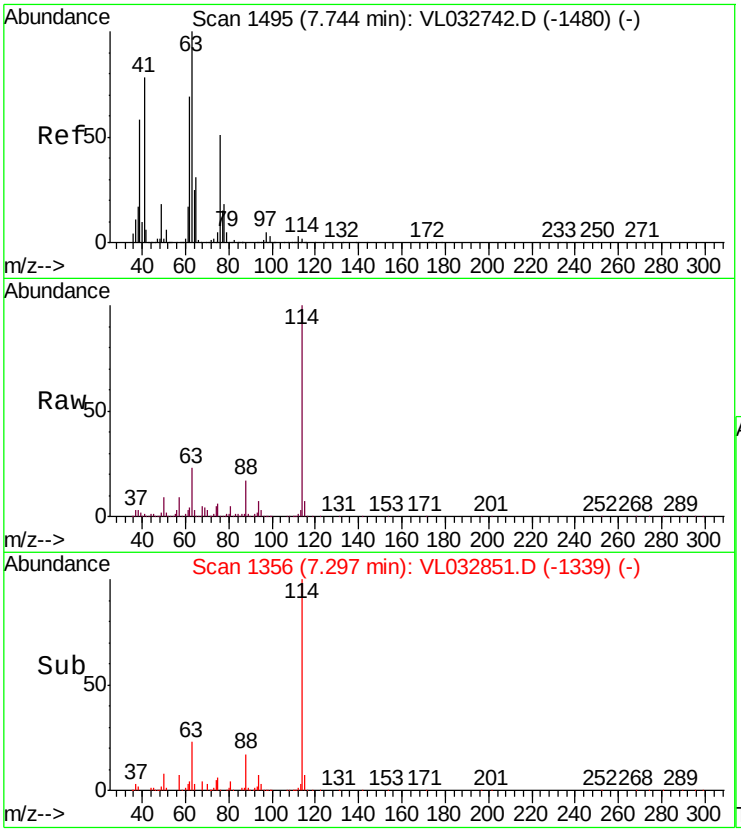


#36
Benzene
Concen: 12.145 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 78 Resp: 3930787

Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.8	26.8
50	18.3	15.4	23.0



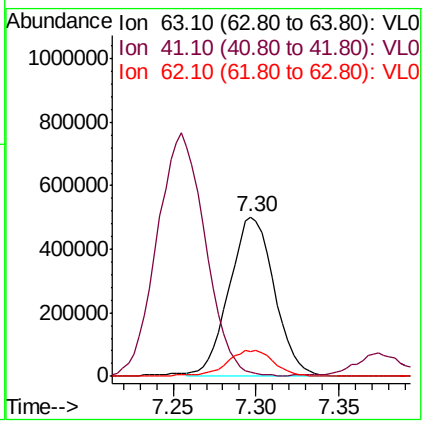


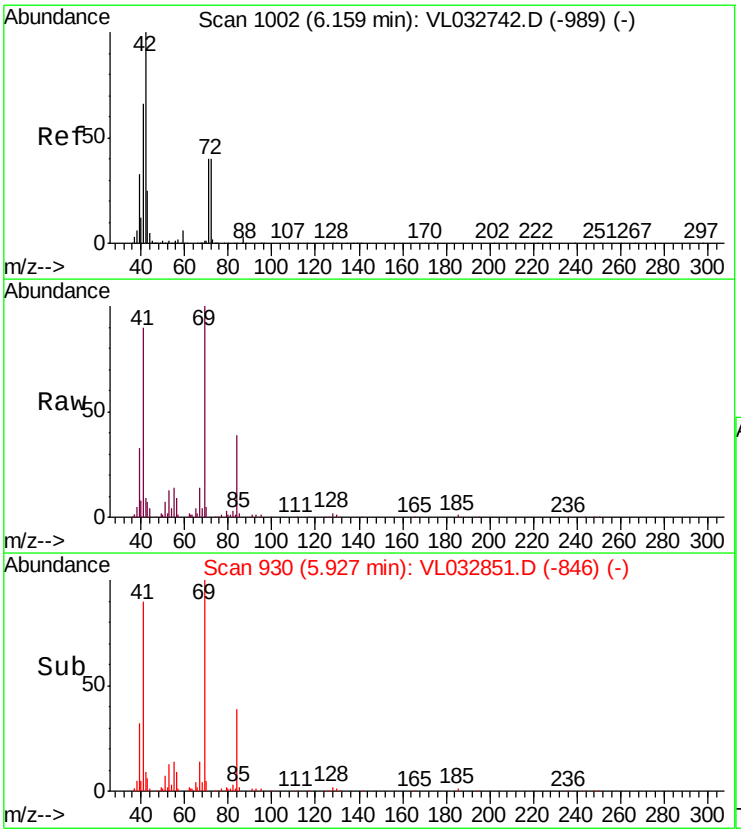
#39
1,2-Dichloropropane
Concen: 7.607 ppbv
RT: 7.30 min Scan# 1356
Delta R.T. -0.45 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 63 Resp: 938005

Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.0	93.0#
62	15.7	55.4	83.2#

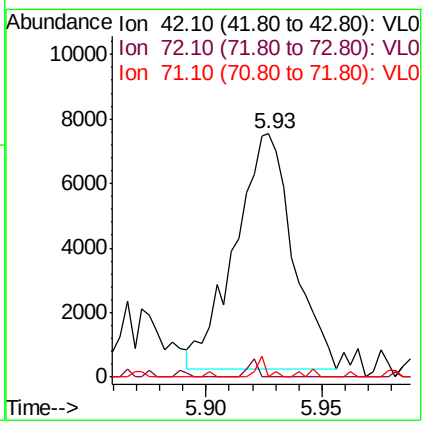


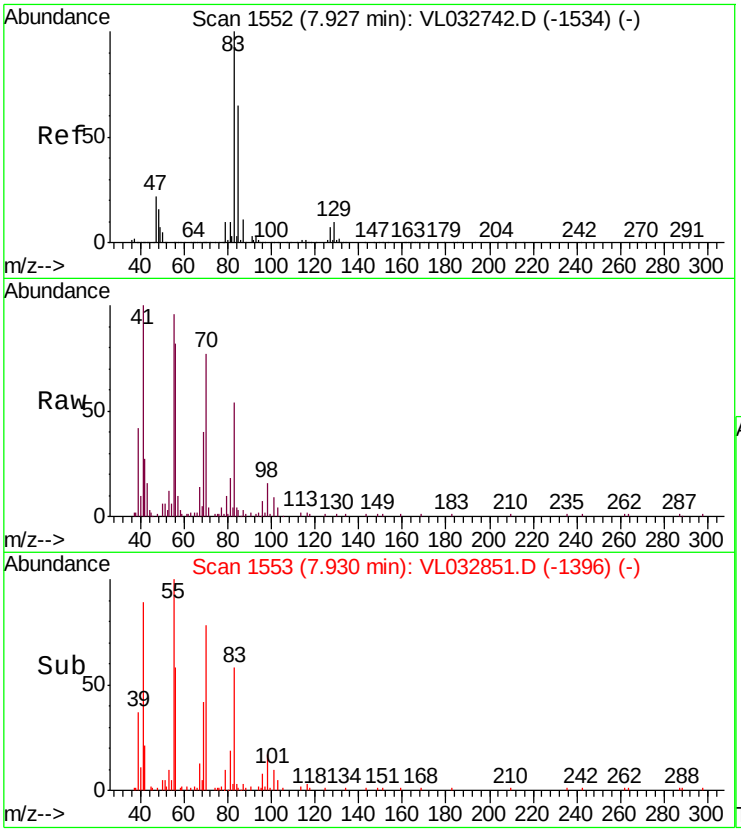


#41
Tetrahydrofuran
Concen: 0.105 ppbv
RT: 5.93 min Scan# 930
Delta R.T. -0.23 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 42 Resp: 12707

Ion	Ratio	Lower	Upper
42	100		
72	1.3	32.4	48.6#
71	0.0	31.6	47.4#



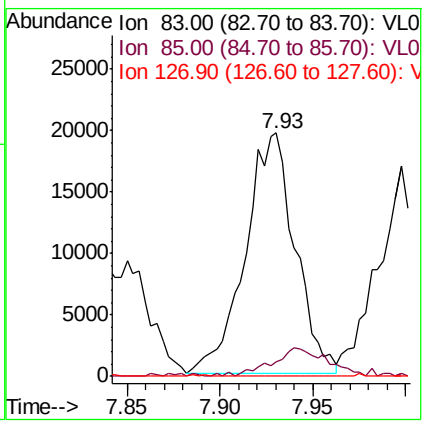


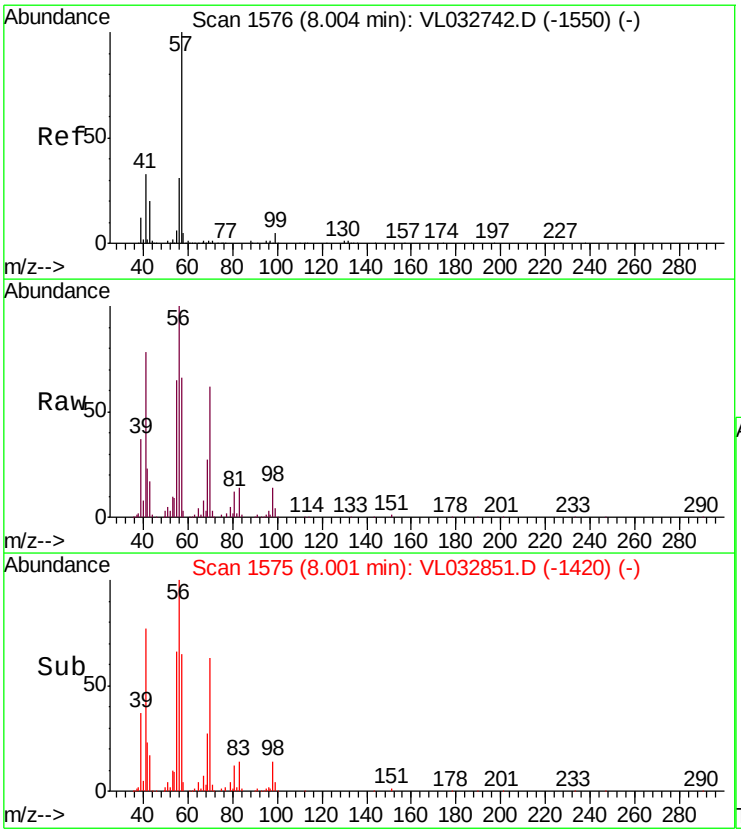
#42
Bromodichloromethane
Concen: 0.125 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 83 Resp: 36878

Ion	Ratio	Lower	Upper
83	100		
85	5.8	51.8	77.8#
127	0.0	5.9	8.9#

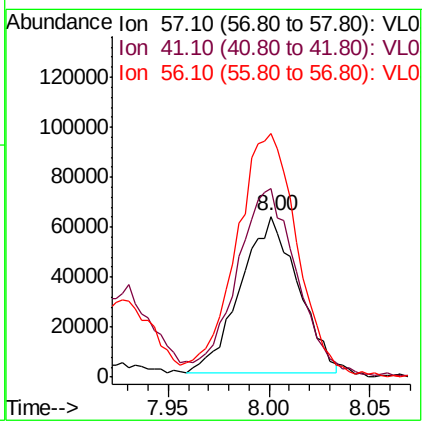


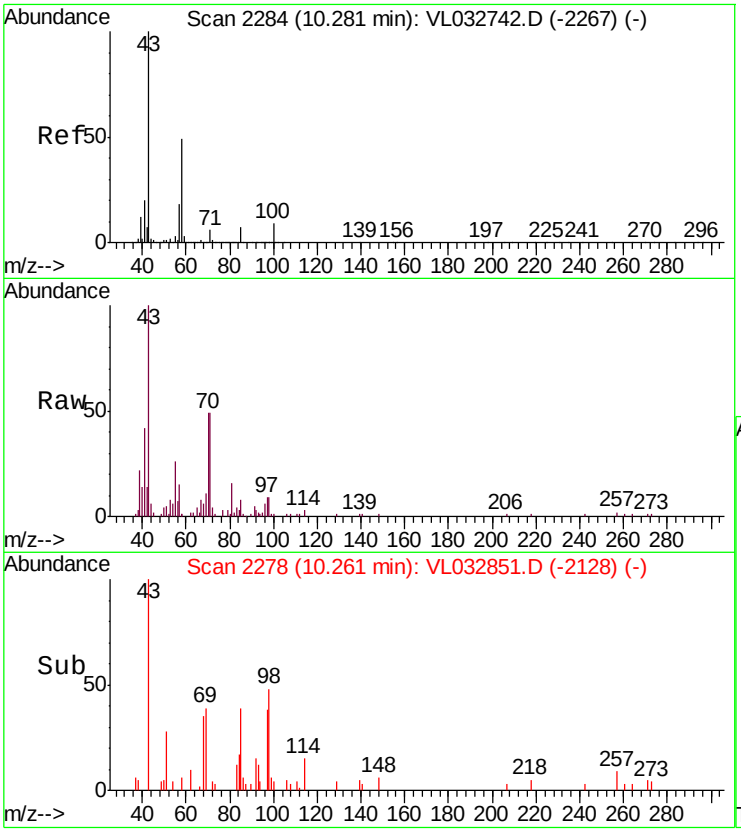


#44
2,2,4-Trimethylpentane
Concen: 0.231 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 57 Resp: 124698

Ion	Ratio	Lower	Upper
57	100		
41	126.6	26.6	39.8#
56	165.4	24.8	37.2#



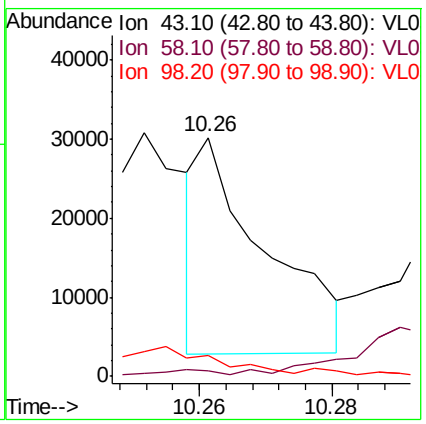


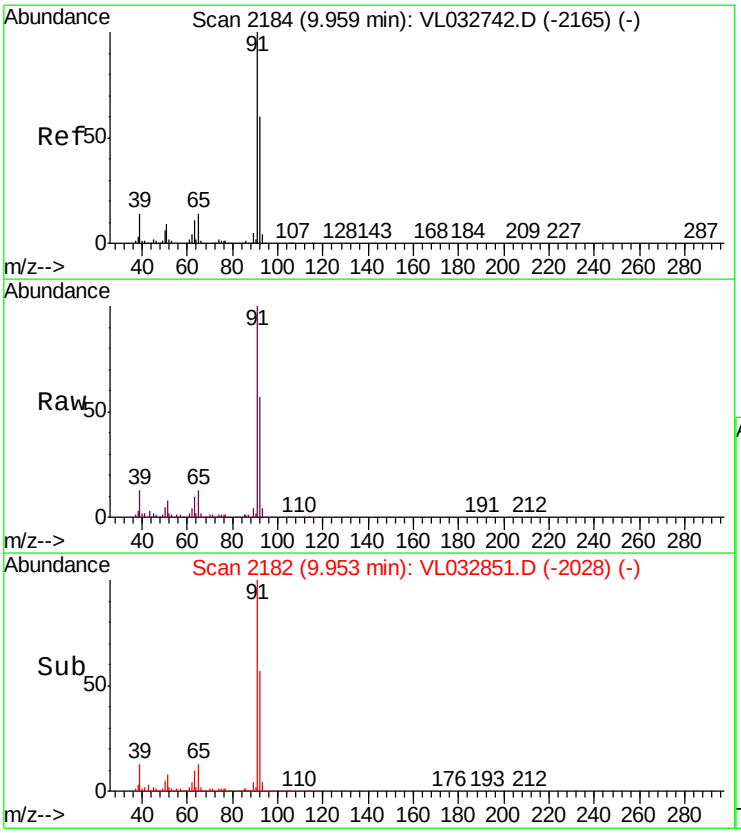
#51
2-Hexanone
Concen: 0.090 ppbv
RT: 10.26 min Scan# 2278
Delta R.T. -0.02 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument : MSVOA_L
ClientSampleId : SITE-D-DUPDL

Tgt Ion: 43 Resp: 19116

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.9	58.3#
98	0.0	0.2	0.4#

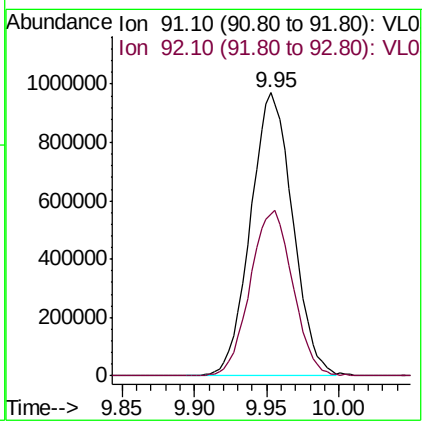


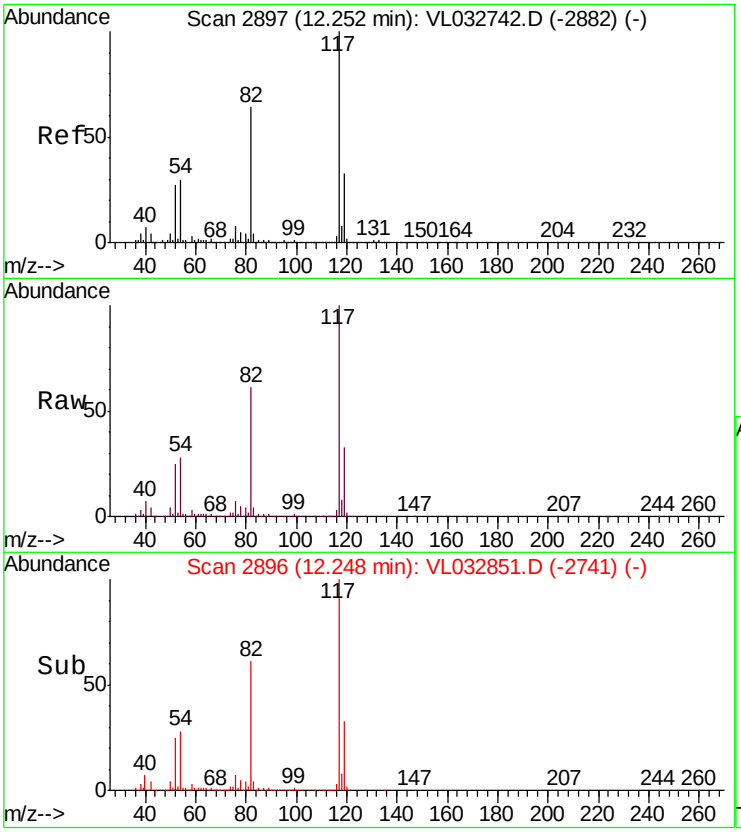


#53
Toluene
Concen: 5.813 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 91 Resp: 1962740

Ion	Ratio	Lower	Upper
91	100		
92	59.2	47.9	71.9



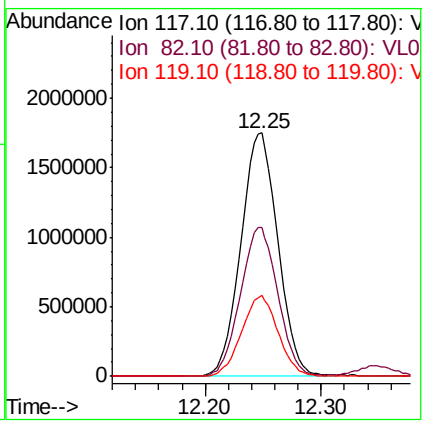


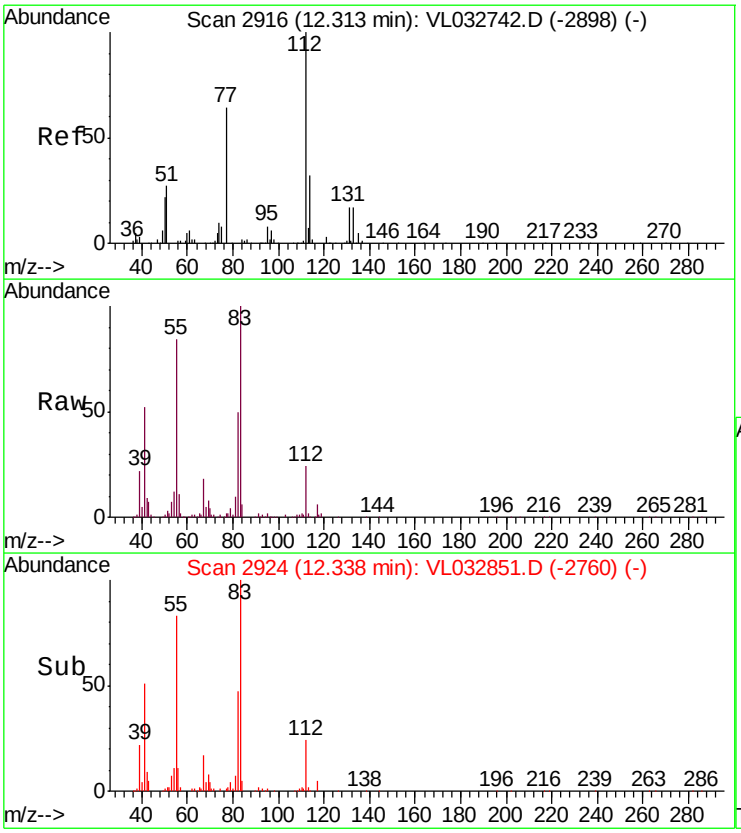
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion:117 Resp: 3885985

Ion	Ratio	Lower	Upper
117	100		
82	62.0	51.0	76.6
119	32.9	28.0	42.0

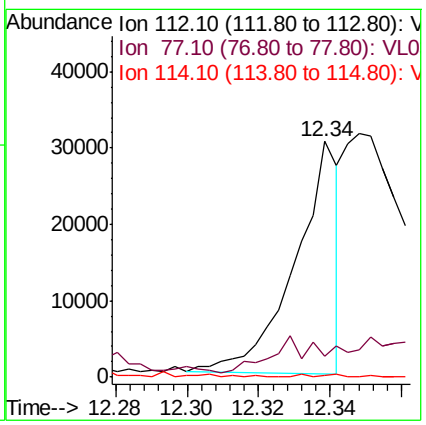


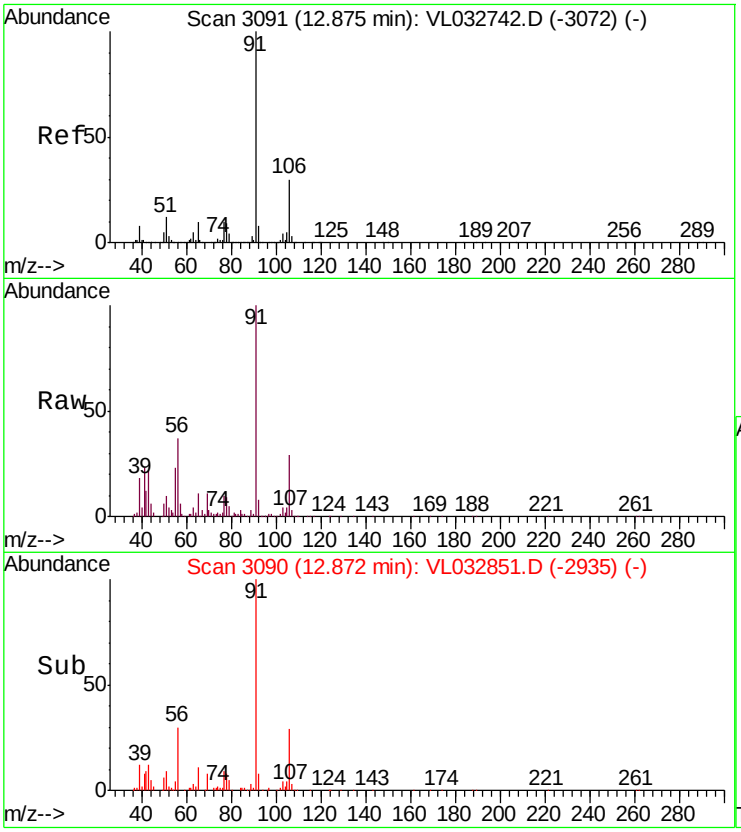


#57
Chlorobenzene
Concen: 0.086 ppbv
RT: 12.34 min Scan# 2924
Delta R.T. 0.03 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:112 Resp: 25649

Ion	Ratio	Lower	Upper
112	100		
77	4.2	52.3	78.5#
114	0.0	28.4	34.8#



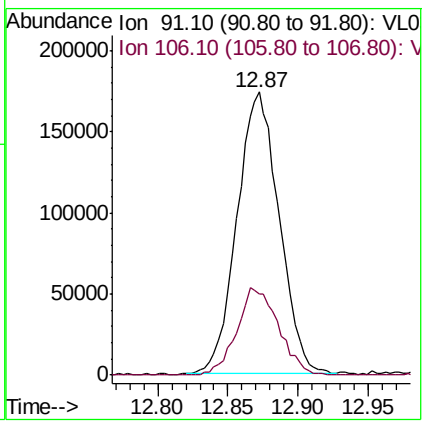


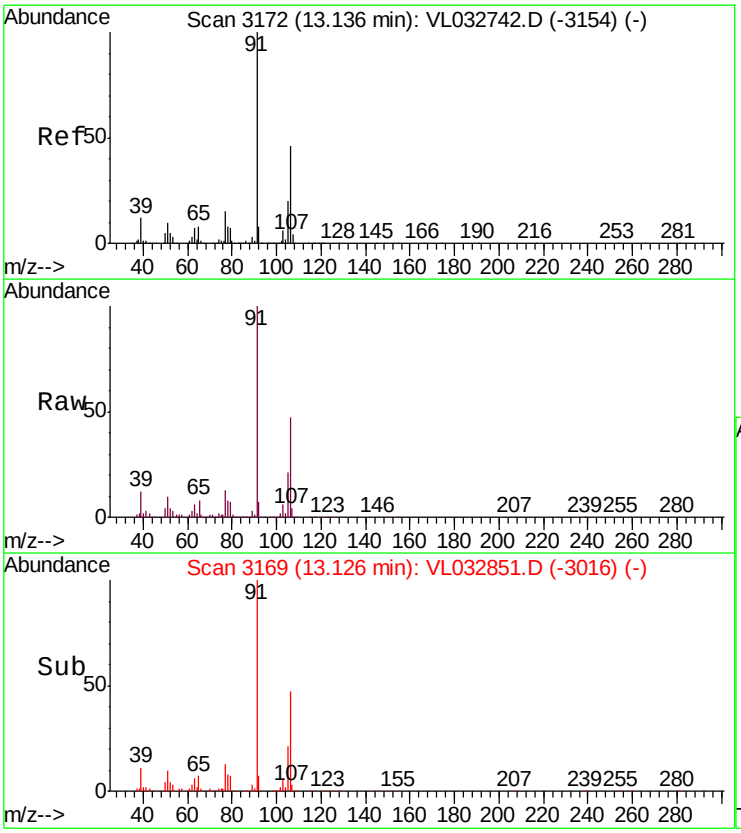
#58
Ethyl Benzene
Concen: 0.776 ppbv
RT: 12.87 min Scan# 3090
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 91 Resp: 362905

Ion	Ratio	Lower	Upper
91	100		
106	29.0	23.6	35.4

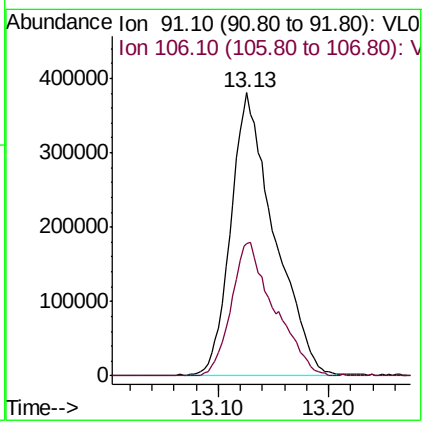


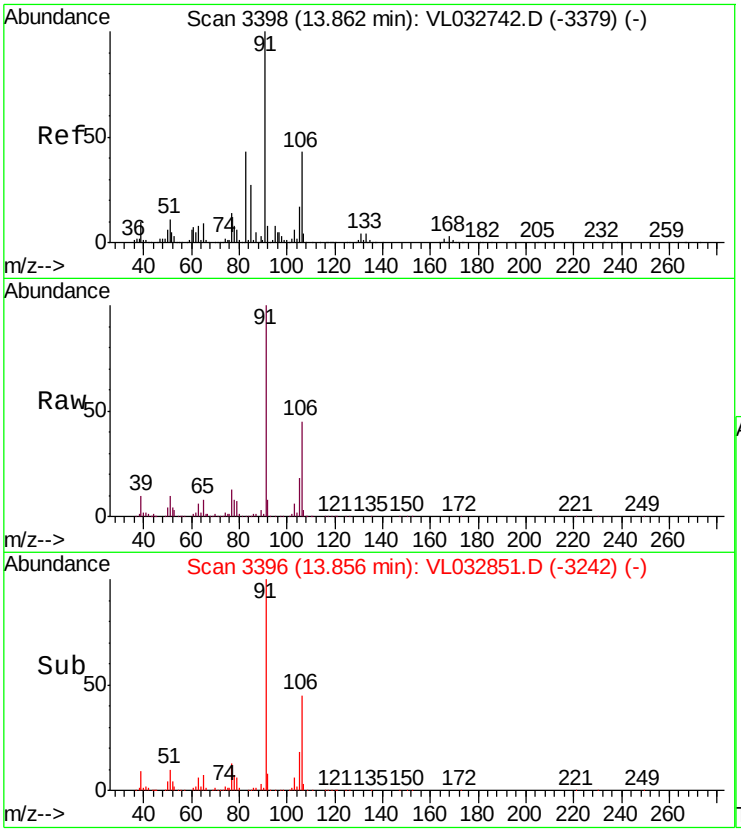


#59
m/p-Xylene
Concen: 2.479 ppbv
RT: 13.13 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion: 91 Resp: 1032072

Ion	Ratio	Lower	Upper
91	100		
106	47.3	36.1	54.1



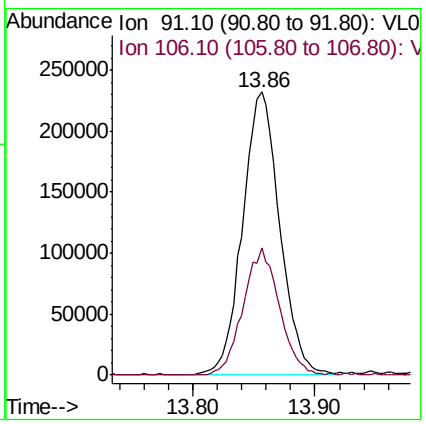


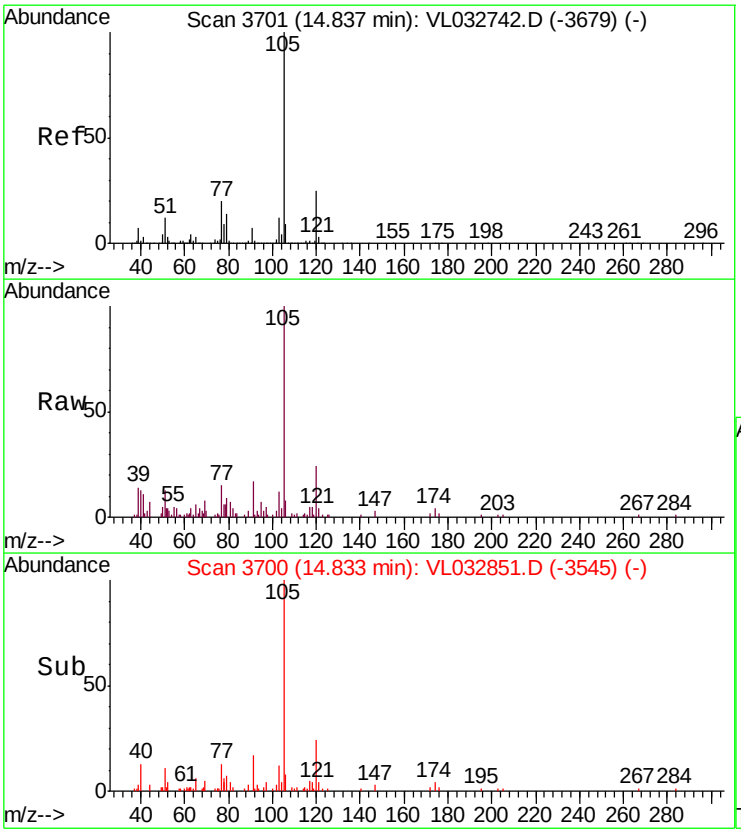
#60
o-Xylene
Concen: 1.156 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 91 Resp: 484109

Ion	Ratio	Lower	Upper
91	100		
106	44.1	21.9	65.7

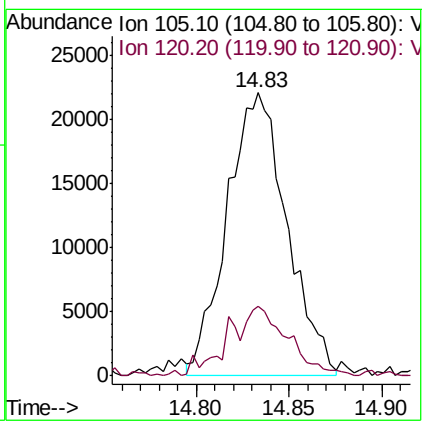


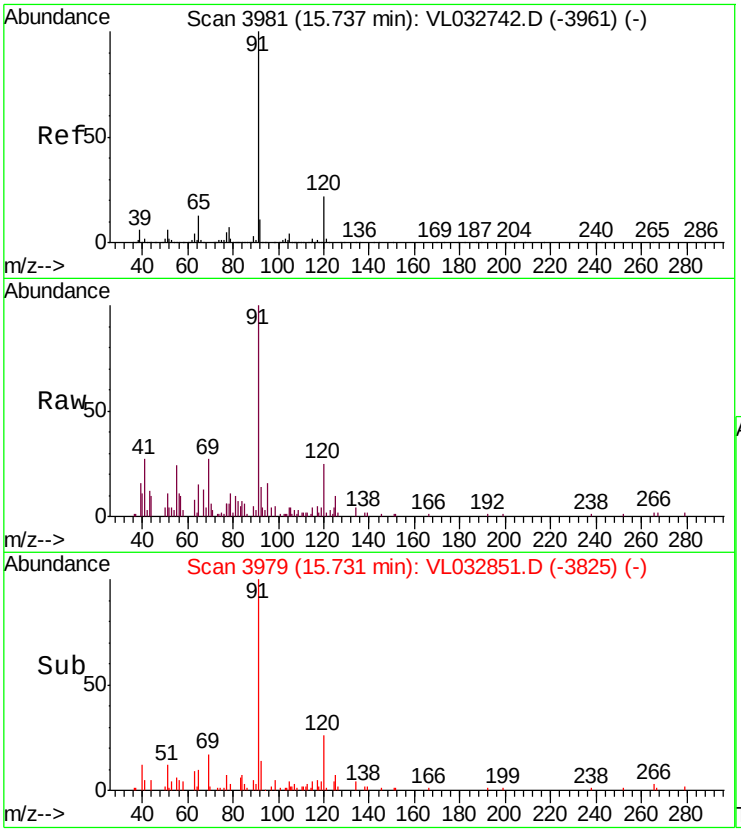


#62
Isopropylbenzene
Concen: 0.087 ppbv
RT: 14.83 min Scan# 3700
Delta R.T. -0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:105 Resp: 49402

Ion	Ratio	Lower	Upper
105	100		
120	25.1	20.1	30.1



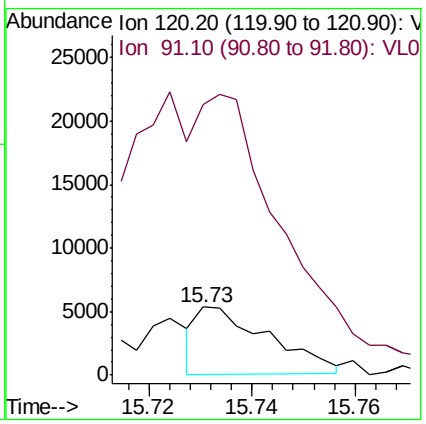


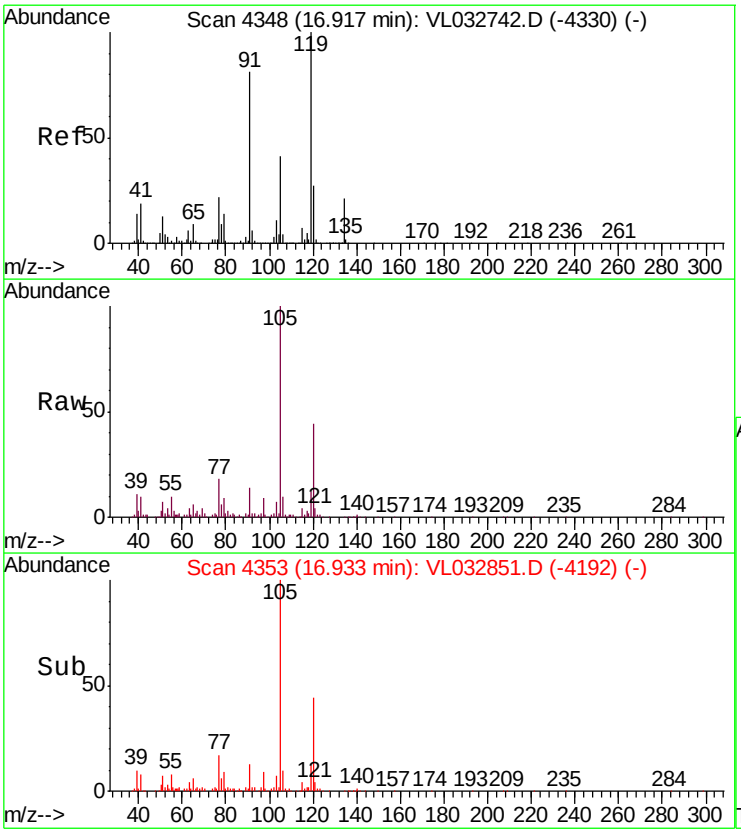
#64
n-propylbenzene
Concen: 0.034 ppbv
RT: 15.73 min Scan# 3979
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion:120 Resp: 5082

Ion	Ratio	Lower	Upper
120	100		
91	0.0	381.7	572.5#

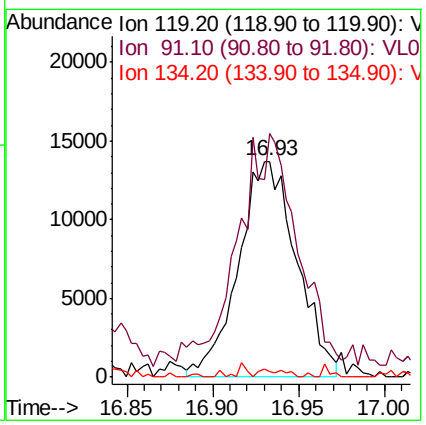


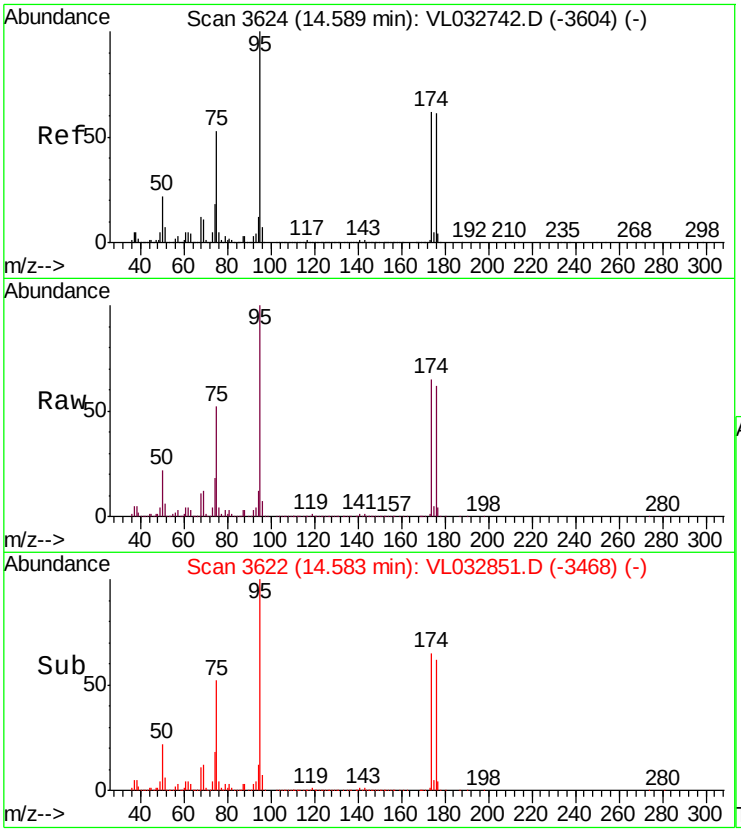


#65
tert-Butylbenzene
Concen: 0.064 ppbv
RT: 16.93 min Scan# 4353
Delta R.T. 0.02 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:119 Resp: 32220

Ion	Ratio	Lower	Upper
119	100		
91	118.2	65.6	98.4#
134	0.0	15.9	23.9#



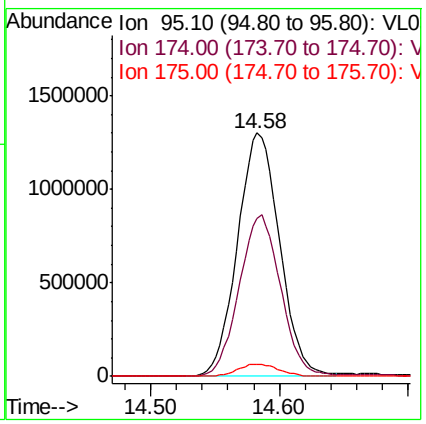


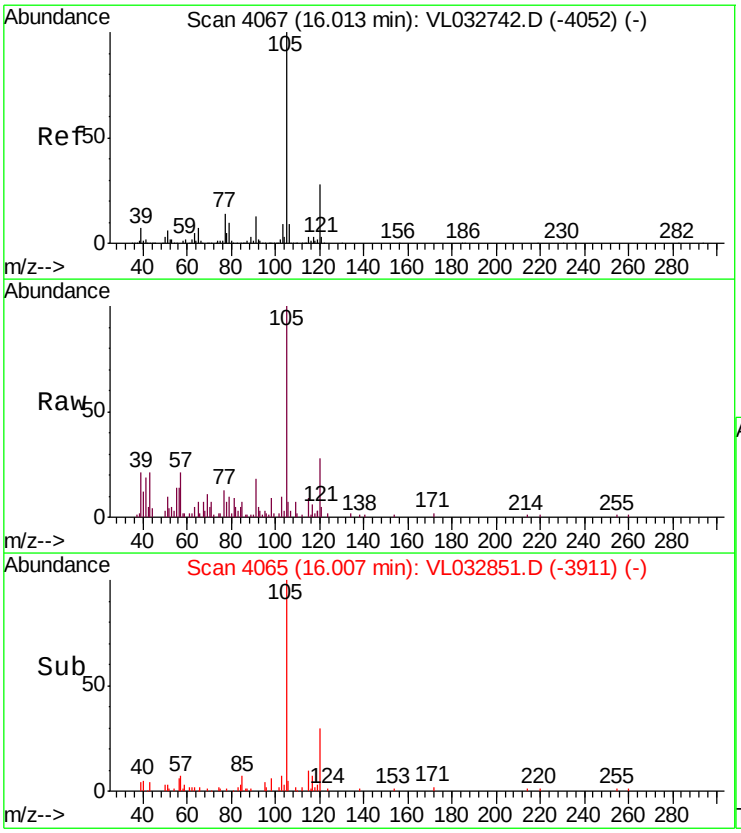
#68
1-Bromo-4-Fluorobenzene
Concen: 10.156 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion: 95 Resp: 2951810

Ion	Ratio	Lower	Upper
95	100		
174	66.6	50.7	76.1
175	5.0	3.8	5.6

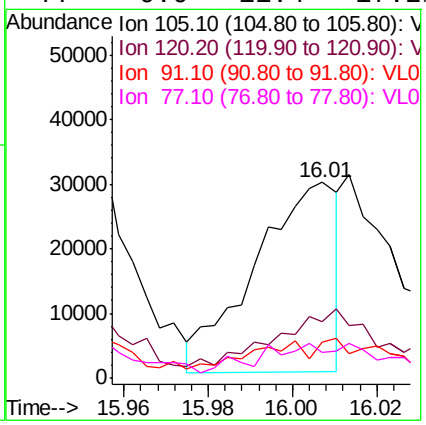


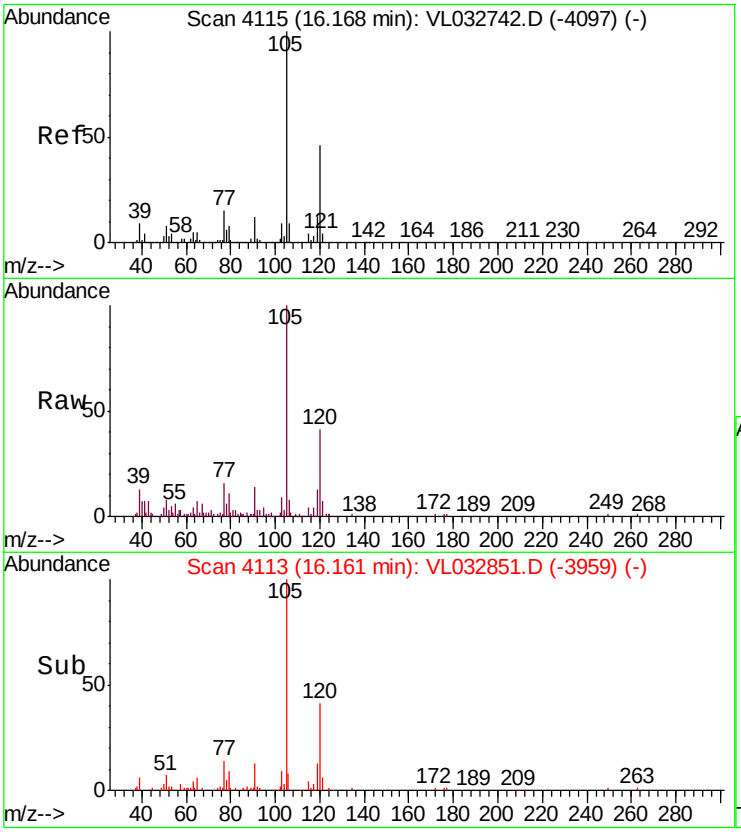


#72
4-Ethyltoluene
Concen: 0.087 ppbv
RT: 16.01 min Scan# 4065
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:105 Resp: 40073

Ion	Ratio	Lower	Upper
105	100		
120	0.0	22.9	34.3#
91	0.0	10.6	15.8#
77	0.0	11.4	17.2#



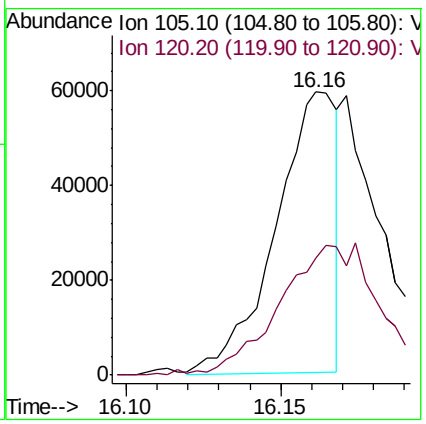


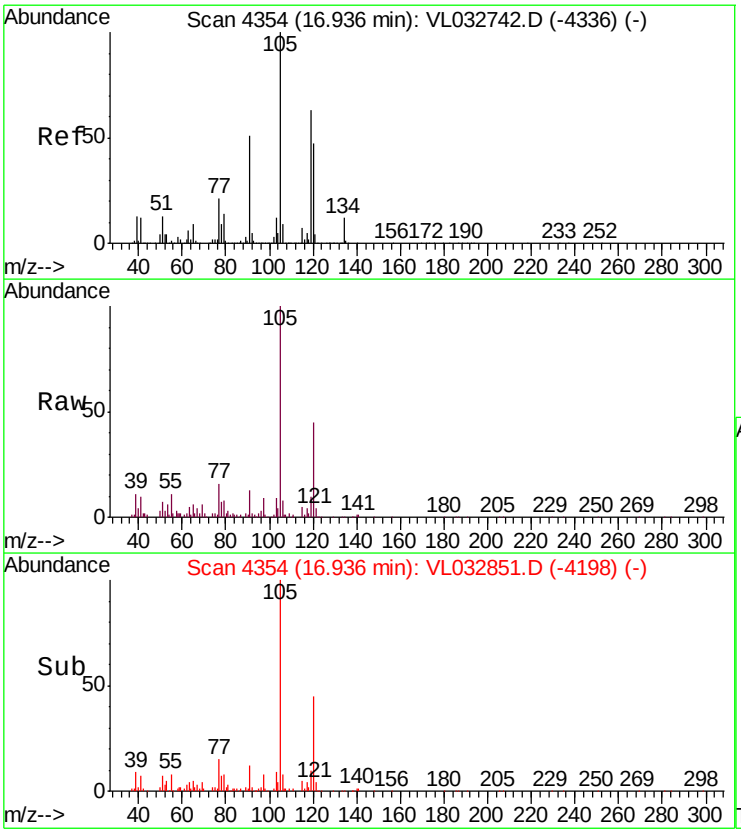
#73
1,3,5-Trimethylbenzene
Concen: 0.181 ppbv
RT: 16.16 min Scan# 4113
Delta R.T. -0.01 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Instrument :
MSVOA_L
ClientSampleId :
SITE-D-DUPDL

Tgt Ion:105 Resp: 81351

Ion	Ratio	Lower	Upper
105	100		
120	41.0	36.6	55.0





#74
1,2,4-Trimethylbenzene
Concen: 0.532 ppbv
RT: 16.94 min Scan# 4354
Delta R.T. 0.00 min
Lab File: VL032851.D
Acq: 30 Nov 2018 16:27

Tgt Ion:105 Resp: 255604

Ion	Ratio	Lower	Upper
105	100		
120	44.1	37.6	56.4
91	12.4	42.5	63.7#
77	14.8	17.4	26.2#