Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

Quantitation Report (Not Reviewed)

Data File : VL033821.D
Acq On : 29 May 2019 3:11
Operator : SY/AP
Sample : K2960-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3011-25DL

Quant Time: May 29 05:34:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.76	49	1012699	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2652105	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2472002	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2040692	10.18	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	9010	0.042	ppbv		91
3) Chlorodifluoromethane	2.99	51	8834	0.076	ppbv	#	60
4) Chloromethane	3.16	50	1217	0.018	ppbv		98
8) Dichlorotetrafluoroethane	3.08	85	9010	0.052	ppbv	#	16
9) Propene	3.03	41	258371	5.237	ppbv		89
10) Heptane	8.23	43	12792	0.092	ppbv	#	61
11) Trichlorofluoromethane	3.99	101	3072	0.015	ppbv		86
13) Ethanol	3.66	45	25194	1.580	ppbv		93
15) Acetone	3.89	43	2494444	17.753	ppbv		97
16) 1,3-Butadiene	3.34	39	191659	3.425	ppbv	#	22
17) tert-Butyl alcohol	4.38	59	26532	0.234	ppbv	#	86
19) Isopropyl Alcohol	4.04	45	12484	0.138	ppbv	#	94
20) Methylene Chloride	4.41	84	10063	0.186	ppbv	#	85
23) Vinyl Acetate	5.14	43	3131	0.017	ppbv	#	21
25) Ethyl Acetate	5.77	43	19744	0.080	ppbv	#	86
26) Hexane	5.77	57	29229	0.275	ppbv	#	39
27) Carbon Disulfide	4.62	76	20957	0.144	ppbv	#	58
29) Chloroform	5.84	83	6751	0.035	ppbv		94
30) Cyclohexane	7.25	84	1356	0.015	ppbv	#	1
34) 2-Butanone	5.33	43	187786	1.142	ppbv		97
36) Benzene	7.00	78	13480	0.056	ppbv		96
39) 1,2-Dichloropropane	7.28	63	617738	6.868	ppbv	#	22
53) Toluene	9.94	91	238524	0.917	ppbv		100
58) Ethyl Benzene	12.86	91	47809	0.146	ppbv	#	86
59) m/p-Xylene	13.15	91	24172	0.084	ppbv	#	31
60) o-Xylene	13.84	91	59025	0.205	ppbv		95
64) n-propylbenzene	15.71	120	1087	0.011	ppbv	#	1
70) n-Butylbenzene	18.71	91	15839	0.036	ppbv	#	78
72) 4-Ethyltoluene	15.98	105	6959	0.021	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.15	105	5487	0.017	ppbv	#	76
74) 1,2,4-Trimethylbenzene	16.92	105	76360	0.218	ppbv	#	76
79) Naphthalene	22.40	128	4178	0.013	ppbv	#	85
80) Naphthalene,2-methyl-	25.12	142	1631	0.013	ppbv	#	77

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

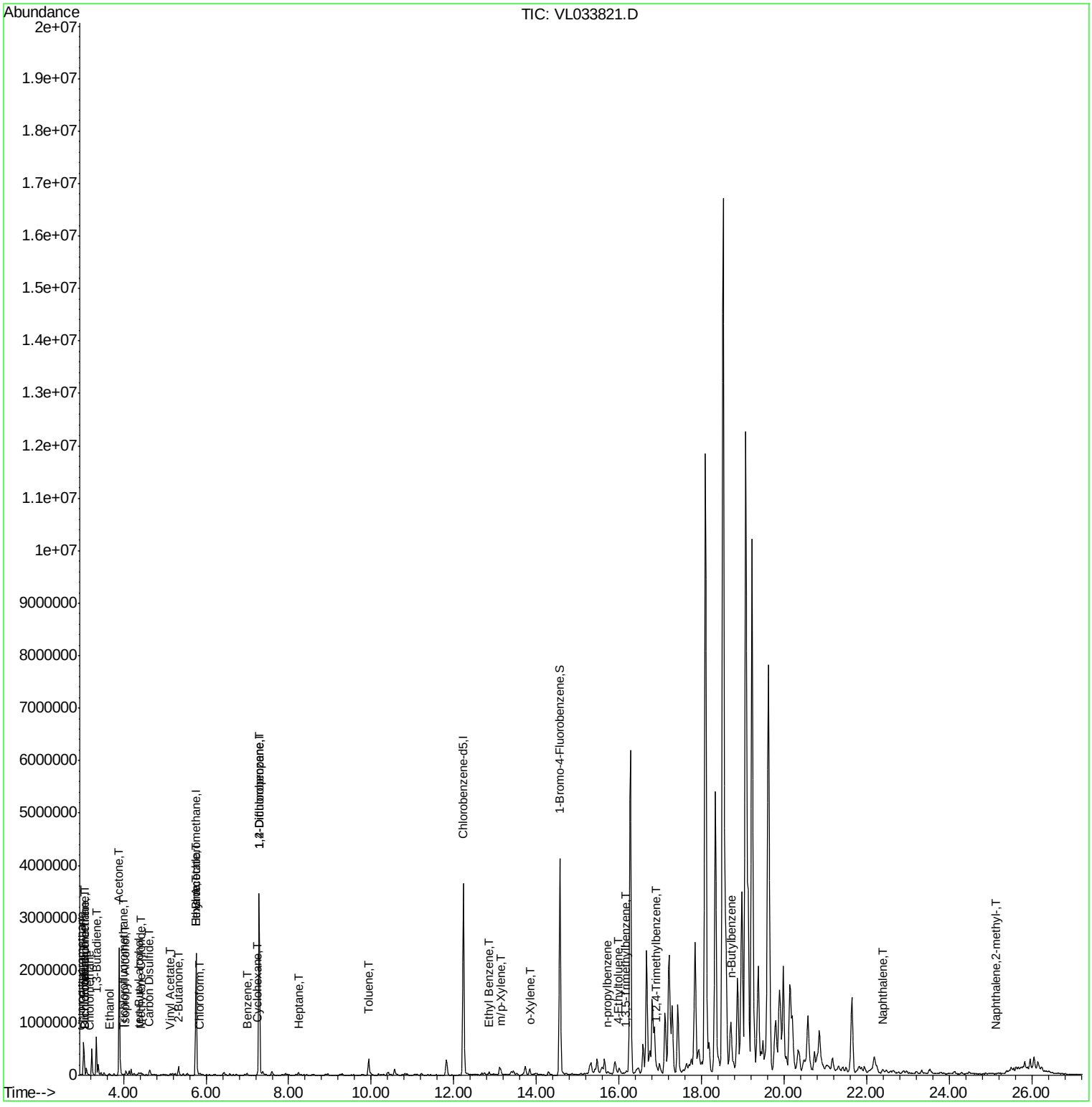
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052819\

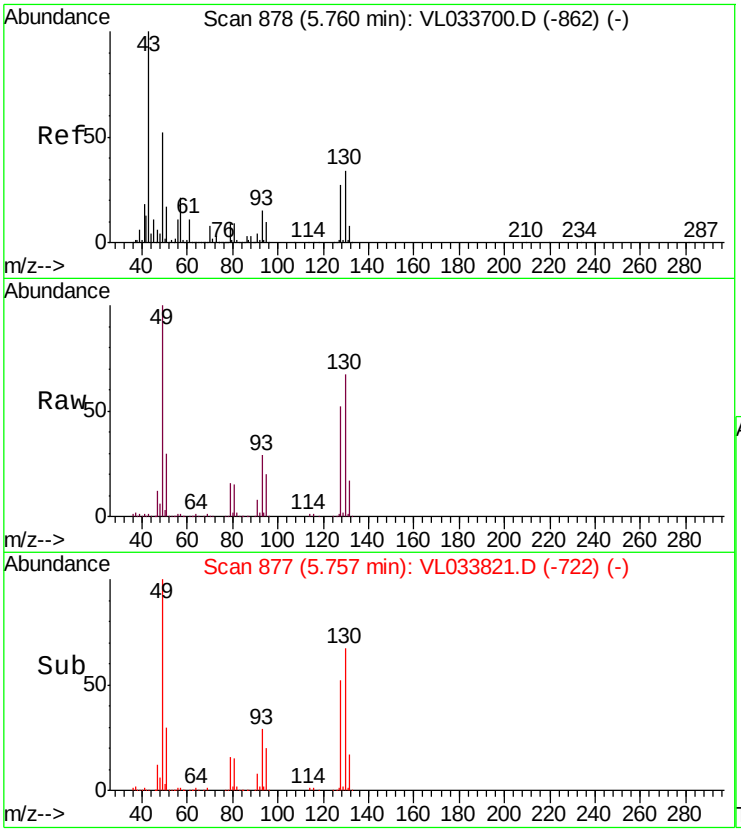
Quantitation Report (Not Reviewed)

Data File : VL033821.D
Acq On : 29 May 2019 3:11
Operator : SY/AP
Sample : K2960-03DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Quant Time: May 29 05:34:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration



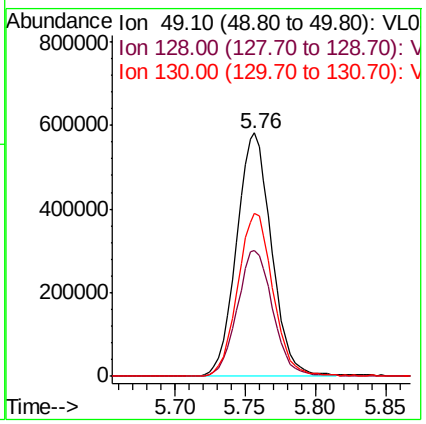


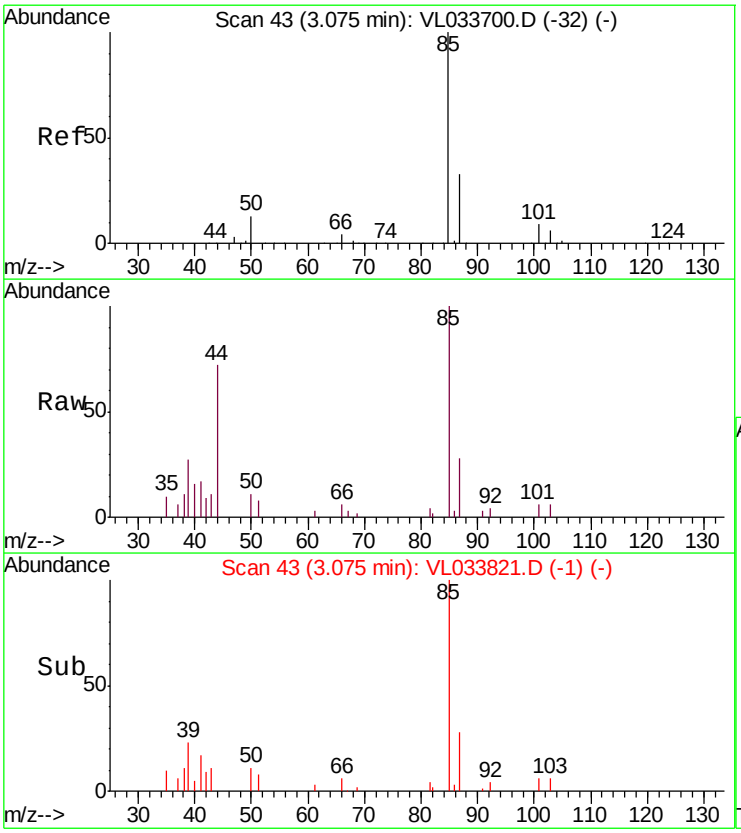
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 49 Resp: 1012699

Ion	Ratio	Lower	Upper
49	100		
128	52.4	25.2	75.6
130	67.9	32.5	97.5

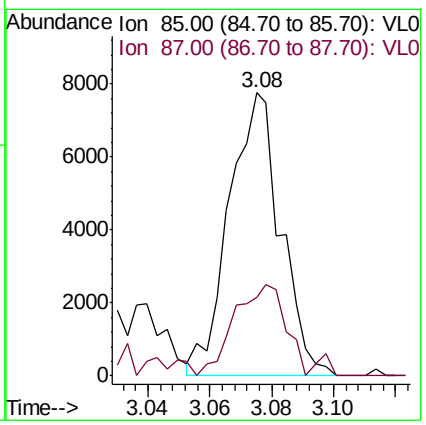


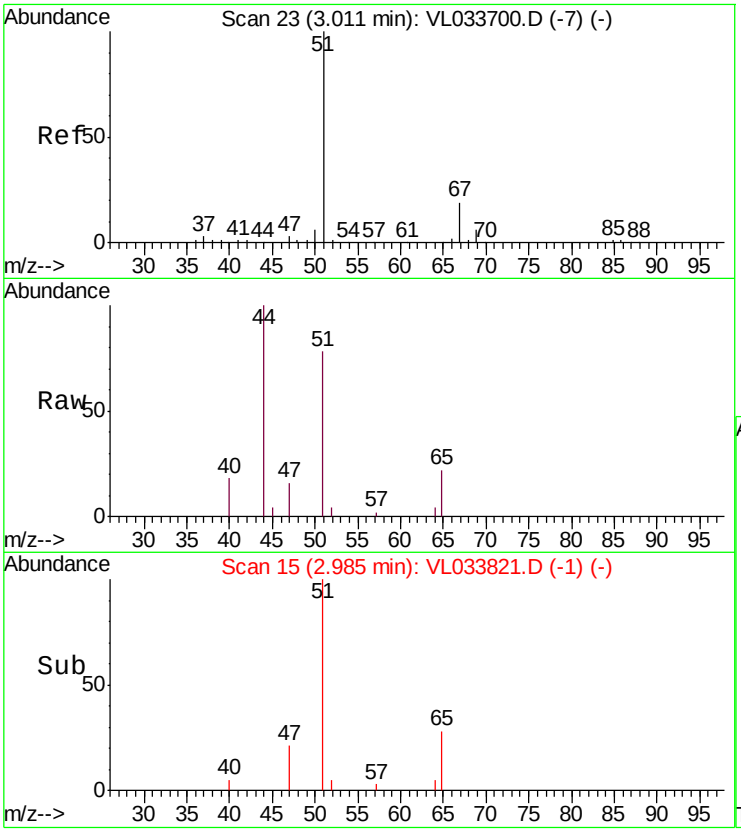


#2
Dichlorodifluoromethane
Concen: 0.042 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 85 Resp: 9010

Ion	Ratio	Lower	Upper
85	100		
87	27.7	26.3	39.5



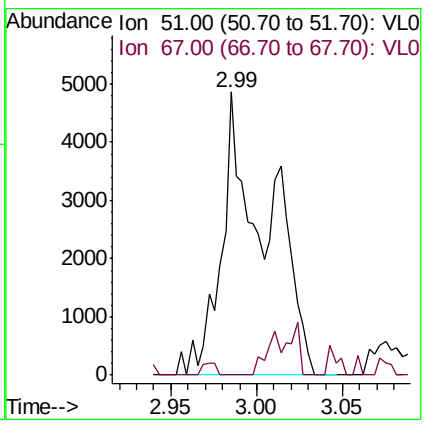


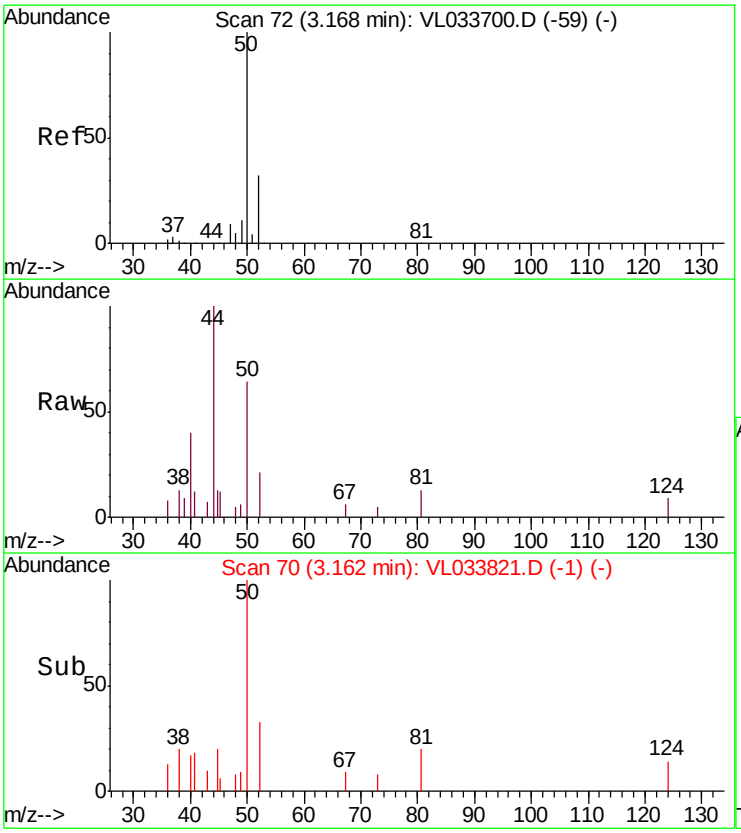
#3
Chlorodifluoromethane
Concen: 0.076 ppbv
RT: 2.99 min Scan# 15
Delta R.T. -0.03 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 51 Resp: 8834

Ion	Ratio	Lower	Upper
51	100		
67	1.3	15.6	23.4#

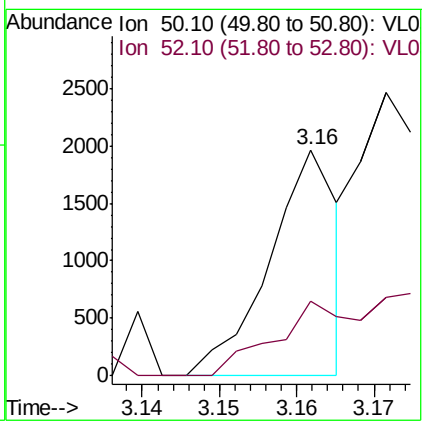


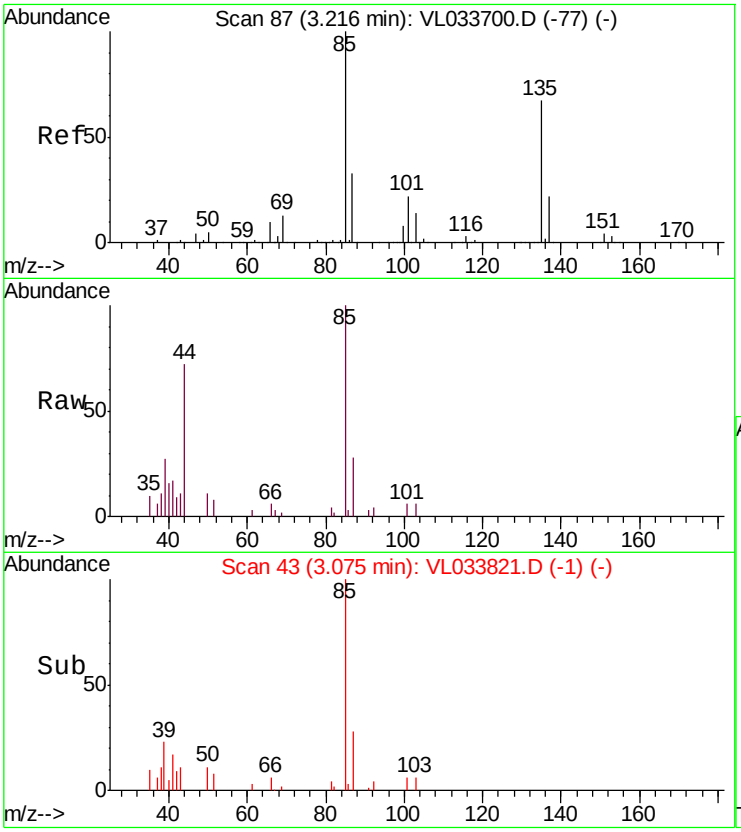


#4
Chloromethane
Concen: 0.018 ppbv
RT: 3.16 min Scan# 70
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 50 Resp: 1217

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.7	38.5



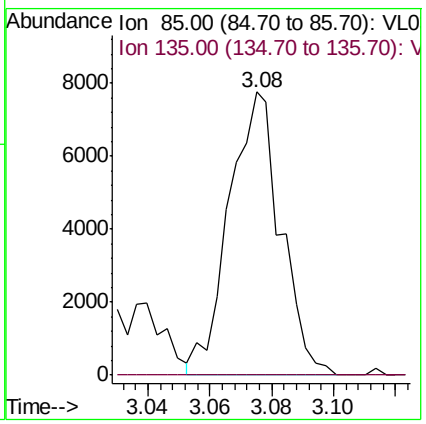


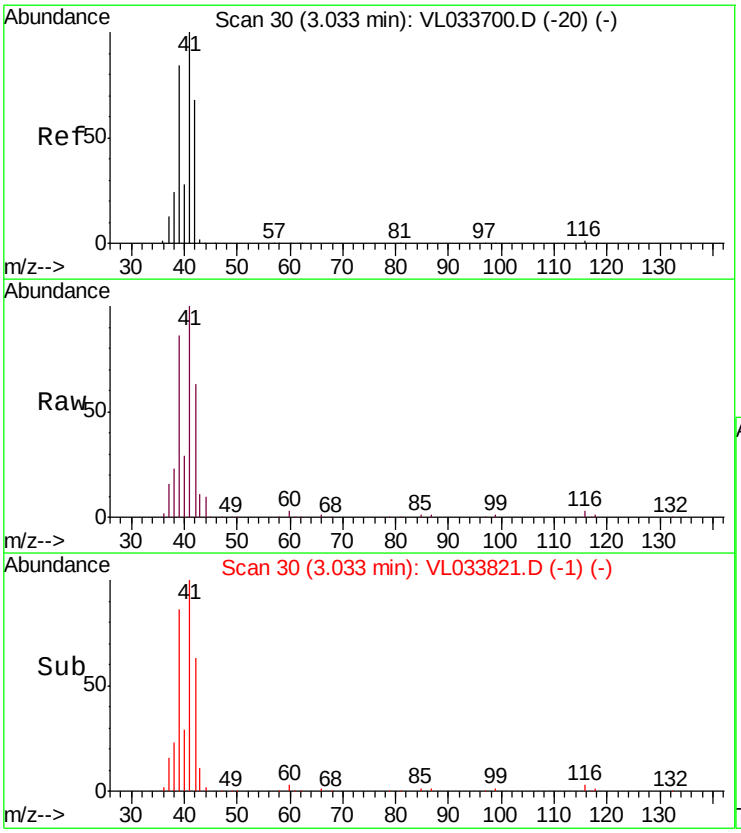
#8
Dichlorotetrafluoroethane
Concen: 0.052 ppbv
RT: 3.08 min Scan# 43
Delta R.T. -0.14 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 85 Resp: 9010

Ion	Ratio	Lower	Upper
85	100		
135	0.5	54.5	81.7#

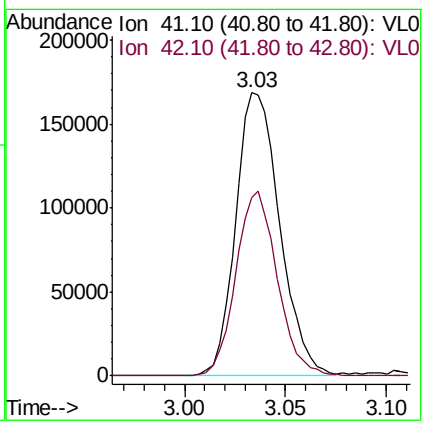


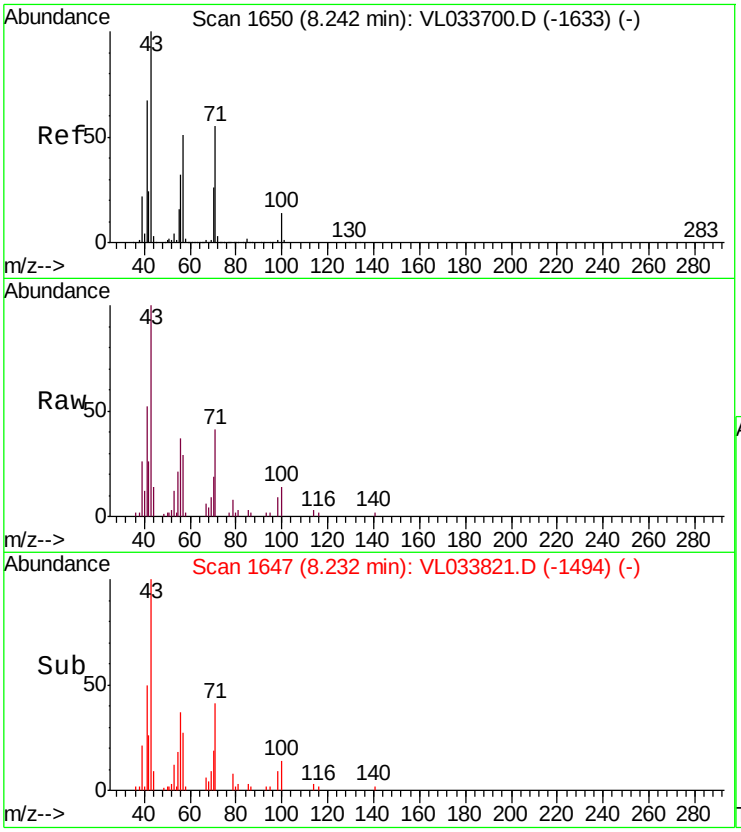


#9
Propene
Concen: 5.237 ppbv
RT: 3.03 min Scan# 30
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 41 Resp: 258371

Ion	Ratio	Lower	Upper
41	100		
42	61.3	56.1	84.1



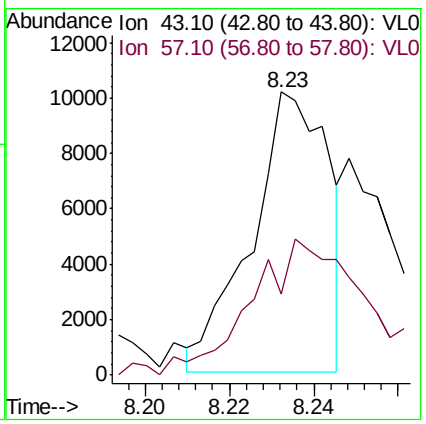


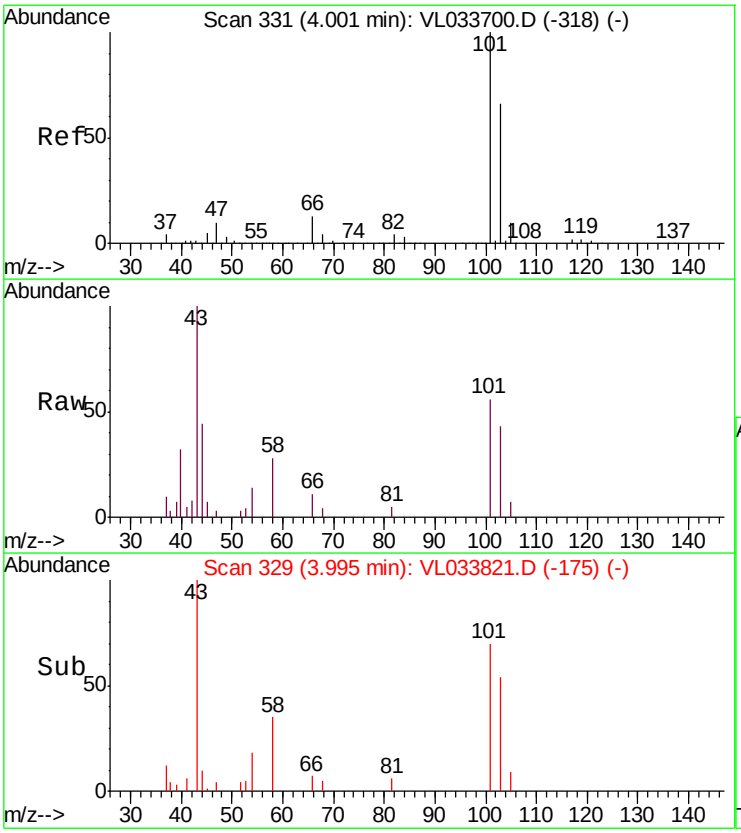
#10
Heptane
Concen: 0.092 ppbv
RT: 8.23 min Scan# 1647
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 43 Resp: 12792

Ion	Ratio	Lower	Upper
43	100		
57	79.2	41.4	62.0#

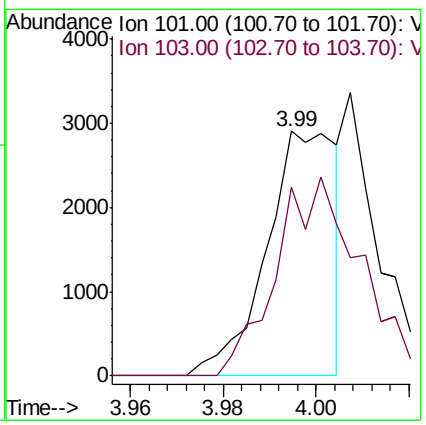


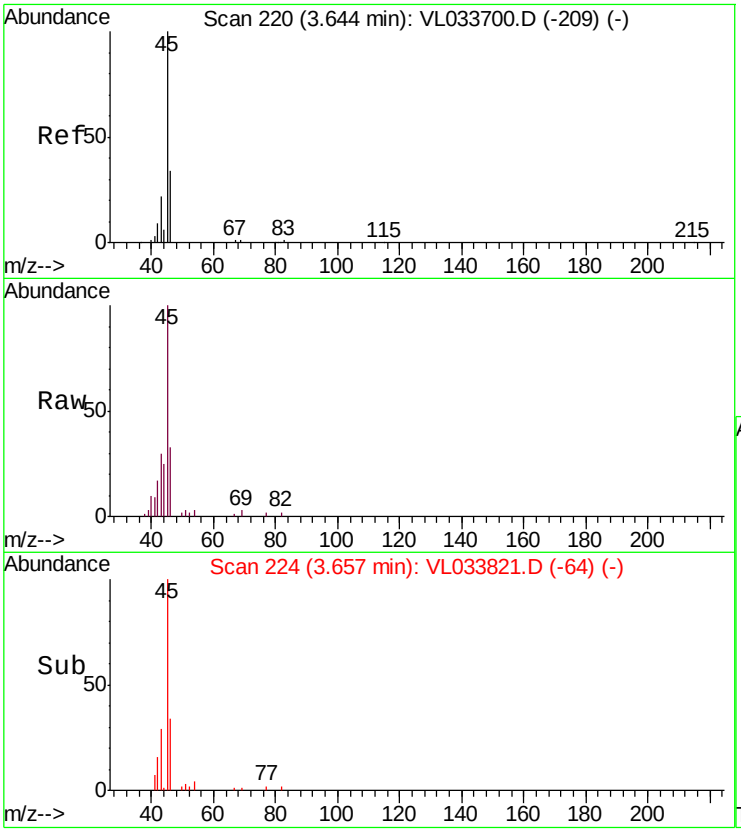


#11
Trichlorofluoromethane
Concen: 0.015 ppbv
RT: 3.99 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion:101 Resp: 3072

Ion	Ratio	Lower	Upper
101	100		
103	77.0	52.6	78.8



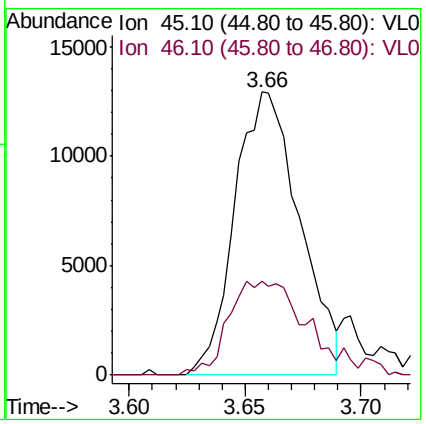


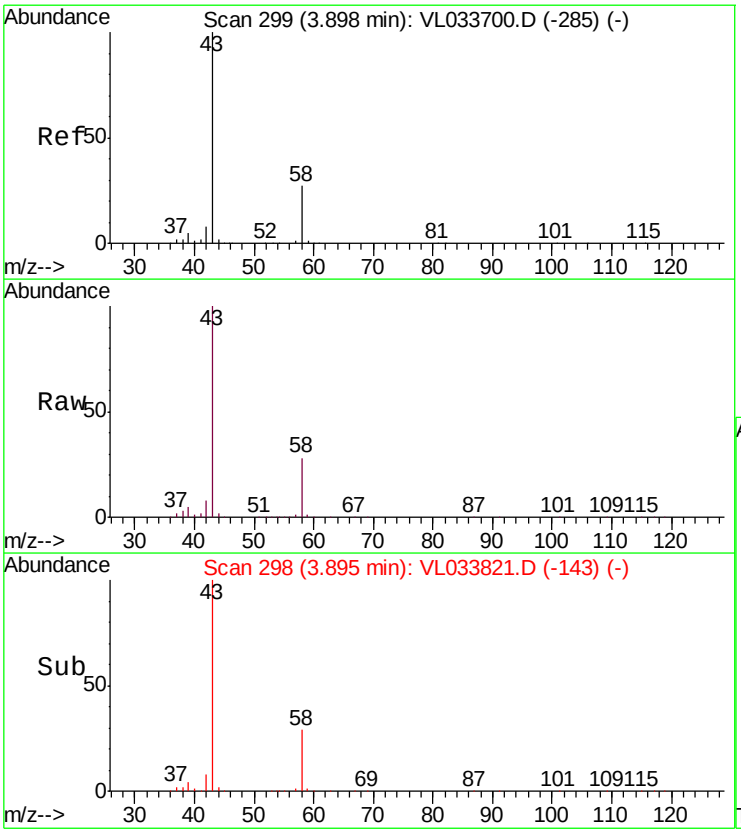
#13
Ethanol
Concen: 1.580 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 45 Resp: 25194

Ion	Ratio	Lower	Upper
45	100		
46	41.1	14.8	59.0

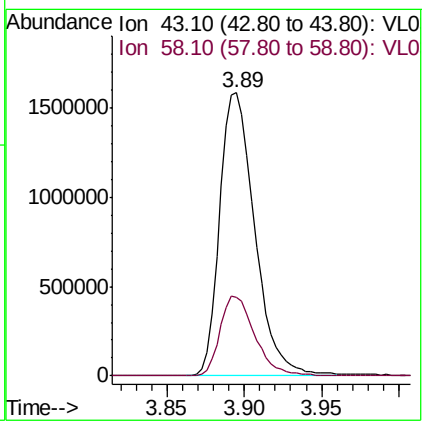


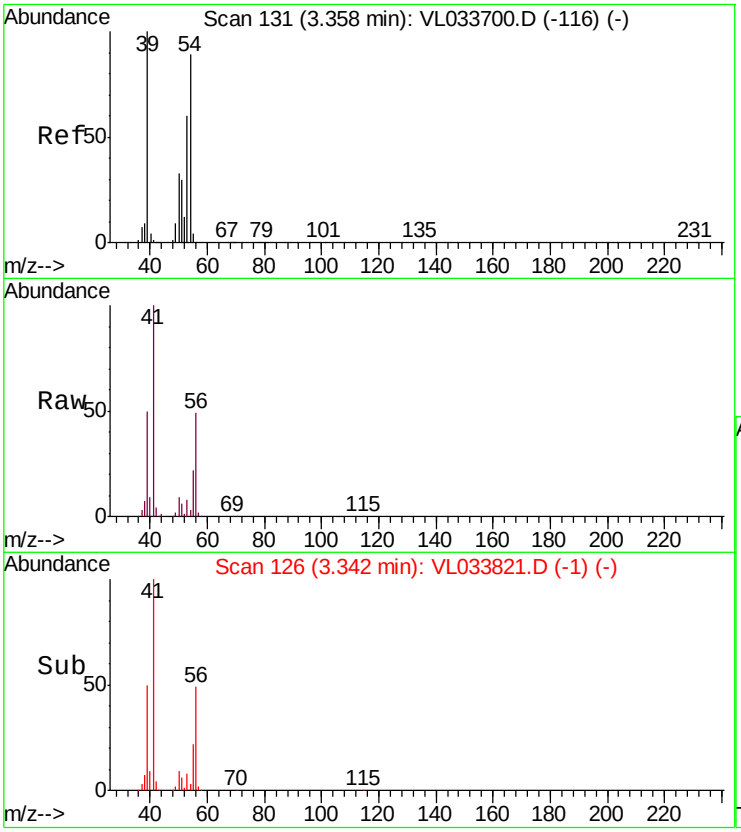


#15
Acetone
Concen: 17.753 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 43 Resp: 2494444

Ion	Ratio	Lower	Upper
43	100		
58	28.3	21.3	31.9



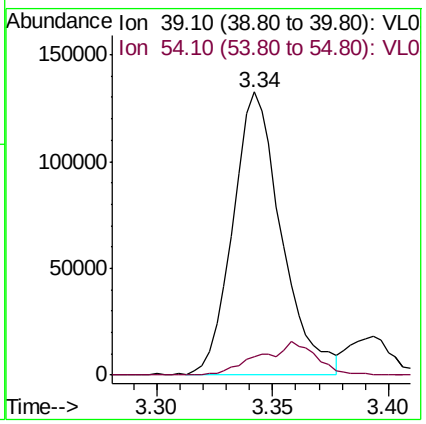


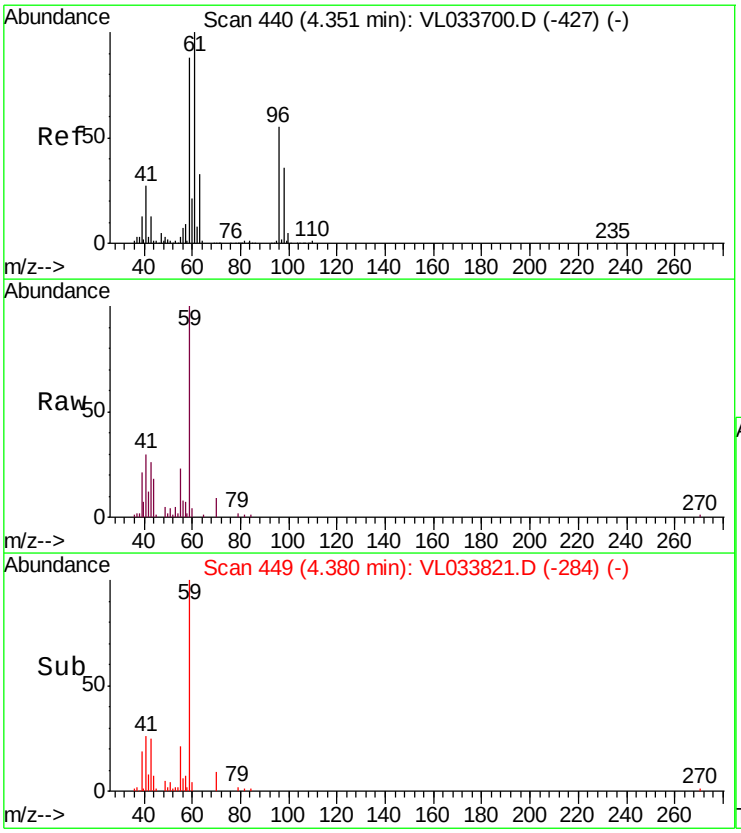
#16
1,3-Butadiene
Concen: 3.425 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 39 Resp: 191659

Ion	Ratio	Lower	Upper
39	100		
54	14.1	69.0	103.6#

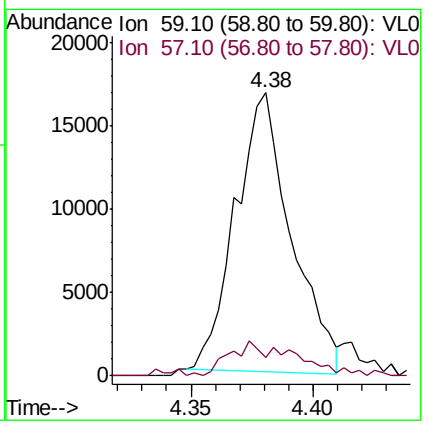


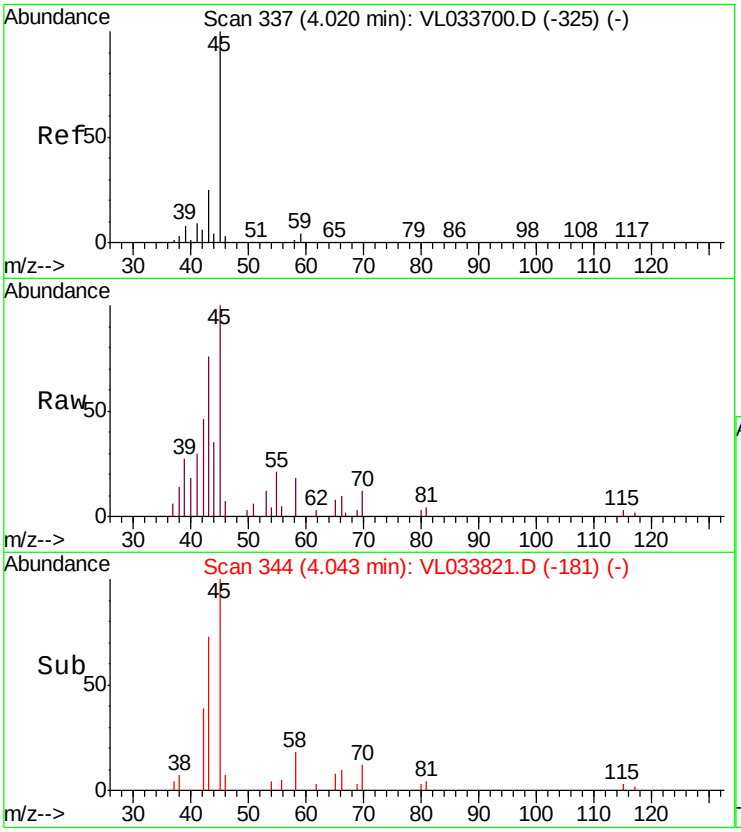


#17
tert-Butyl alcohol
Concen: 0.234 ppbv
RT: 4.38 min Scan# 449
Delta R.T. 0.03 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 59 Resp: 26532

Ion	Ratio	Lower	Upper
59	100		
57	15.9	8.4	12.6#



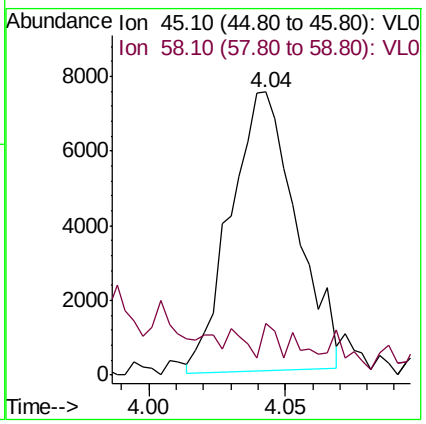


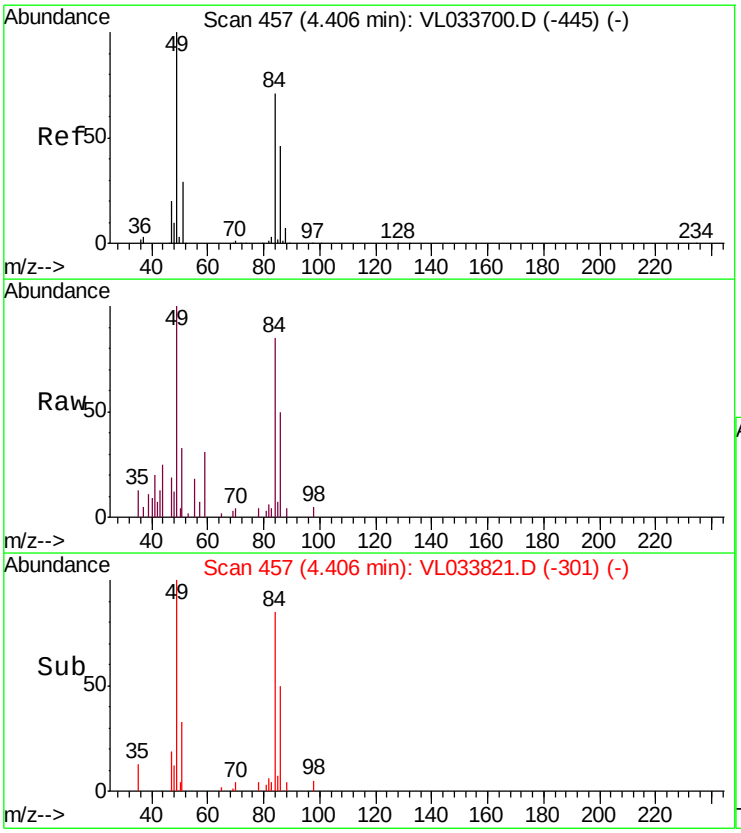
#19
Isopropyl Alcohol
Concen: 0.138 ppbv
RT: 4.04 min Scan# 344
Delta R.T. 0.02 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 45 Resp: 12484

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#

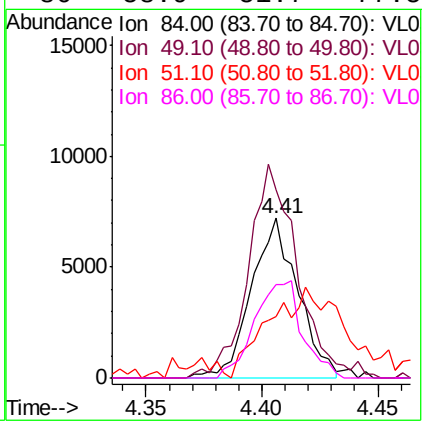


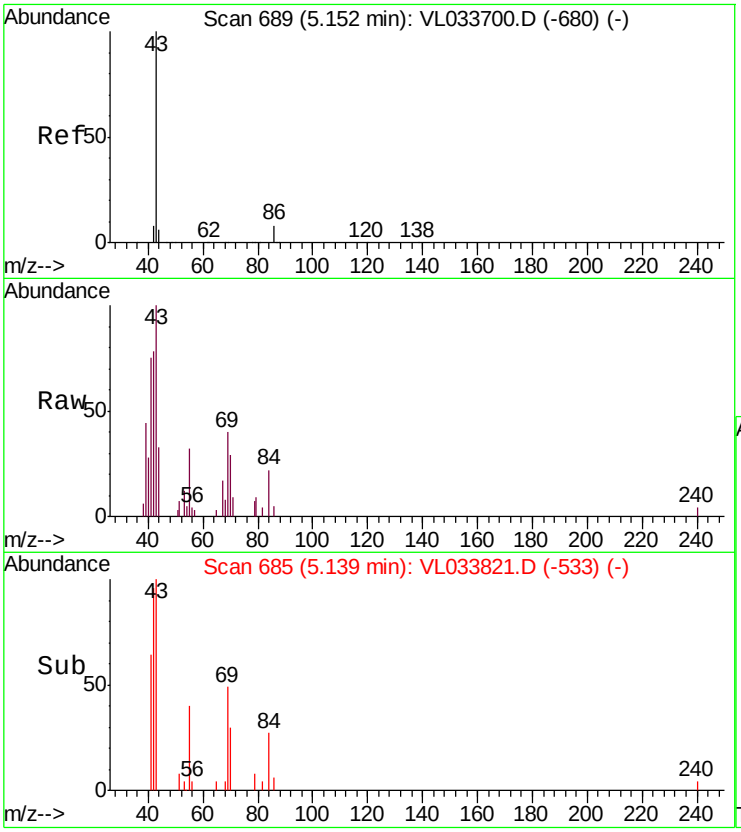


#20
Methylene Chloride
Concen: 0.186 ppbv
RT: 4.41 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 84 Resp: 10063

Ion	Ratio	Lower	Upper
84	100		
49	117.4	112.8	169.2
51	32.8	33.4	50.0#
86	58.9	51.7	77.5



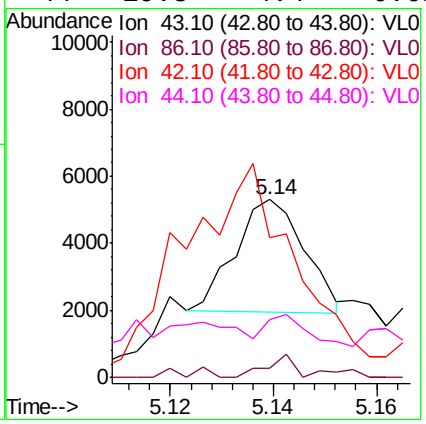


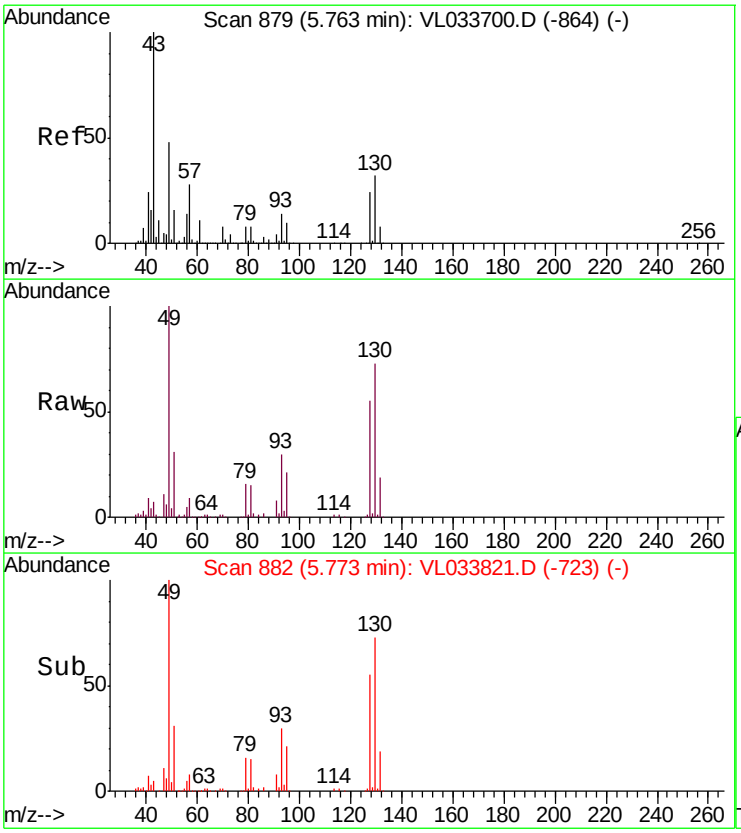
#23
Vinyl Acetate
Concen: 0.017 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 43 Resp: 3131

Ion	Ratio	Lower	Upper
43	100		
86	8.3	6.0	9.0
42	68.6	7.5	11.3#
44	19.8	4.4	6.6#

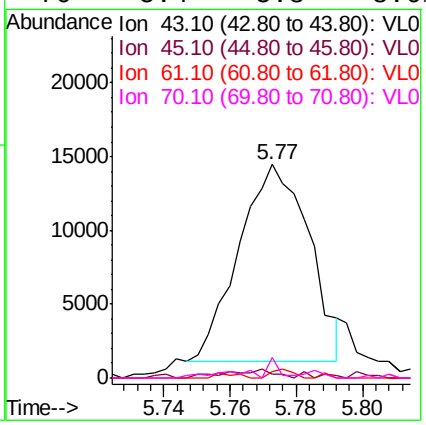


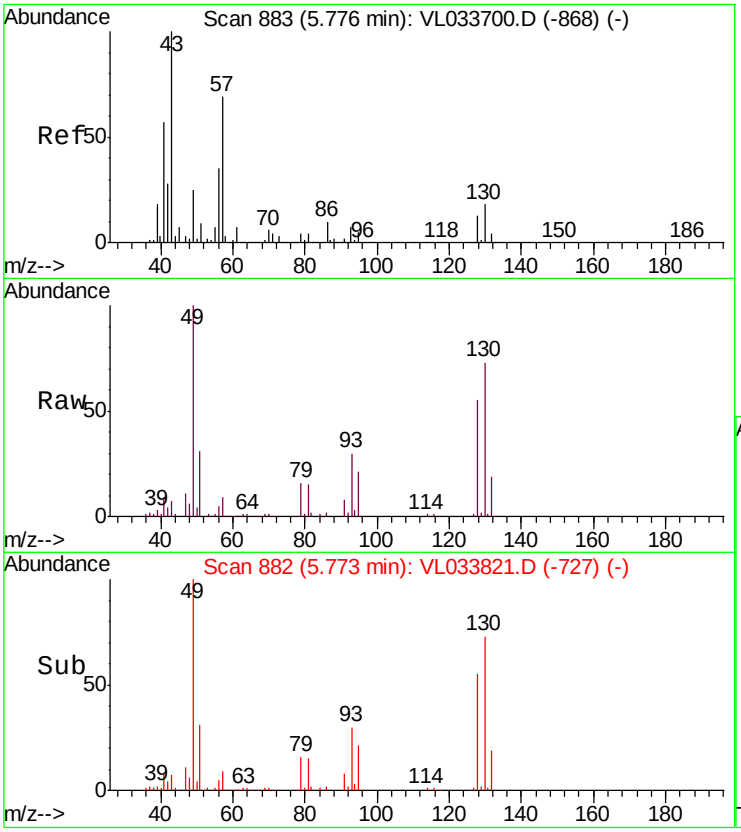


#25
Ethyl Acetate
Concen: 0.080 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 43 Resp: 19744

Ion	Ratio	Lower	Upper
43	100		
45	4.4	7.9	11.9#
61	2.4	7.7	11.5#
70	5.4	5.8	8.6#



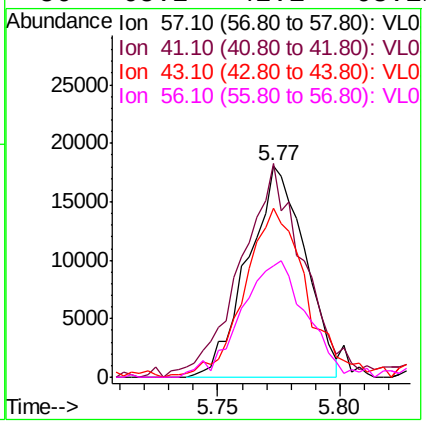


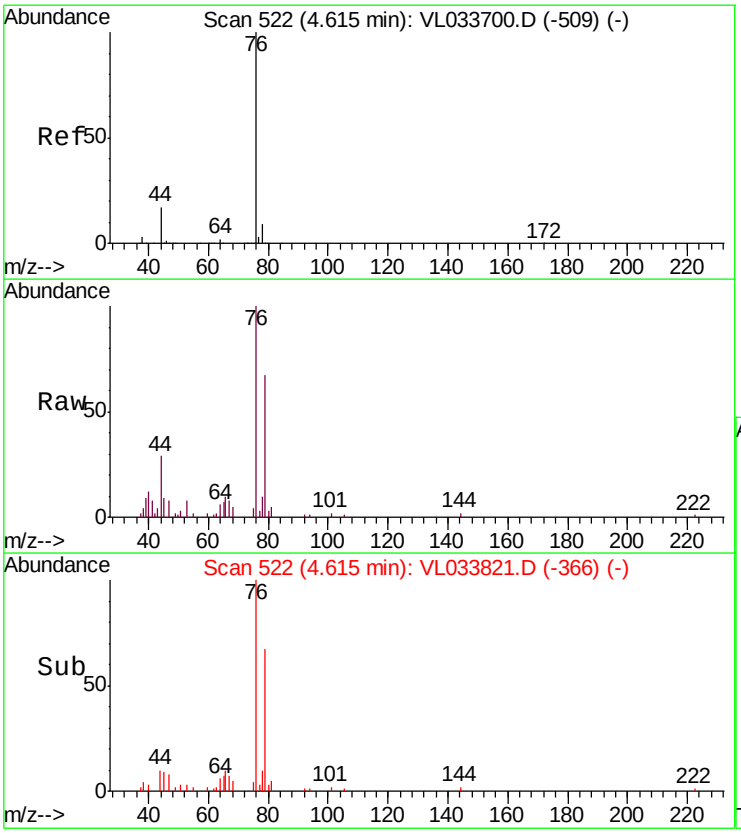
#26
Hexane
Concen: 0.275 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3011-25DL

Tgt Ion: 57 Resp: 29229

Ion	Ratio	Lower	Upper
57	100		
41	113.1	69.8	104.6#
43	89.1	181.8	272.6#
56	65.2	42.1	63.1#

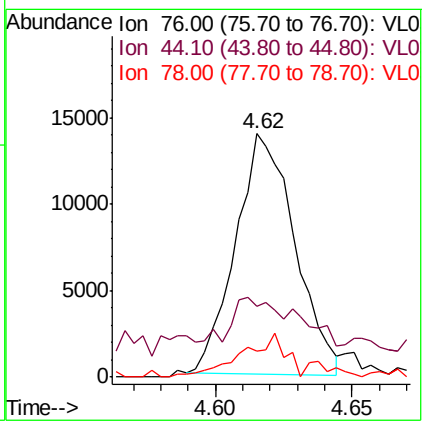


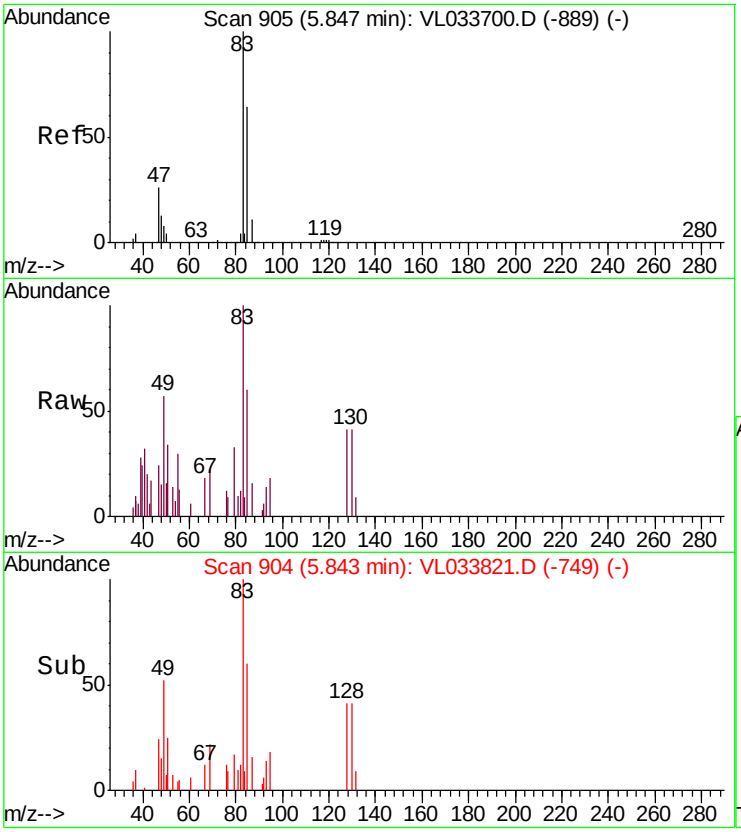


#27
Carbon Disulfide
Concen: 0.144 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 76 Resp: 20957

Ion	Ratio	Lower	Upper
76	100		
44	39.9	13.8	20.8#
78	18.1	7.4	11.0#



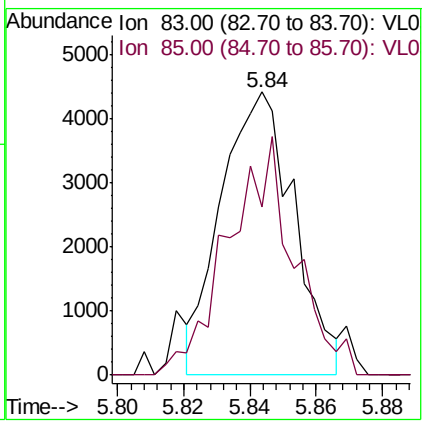


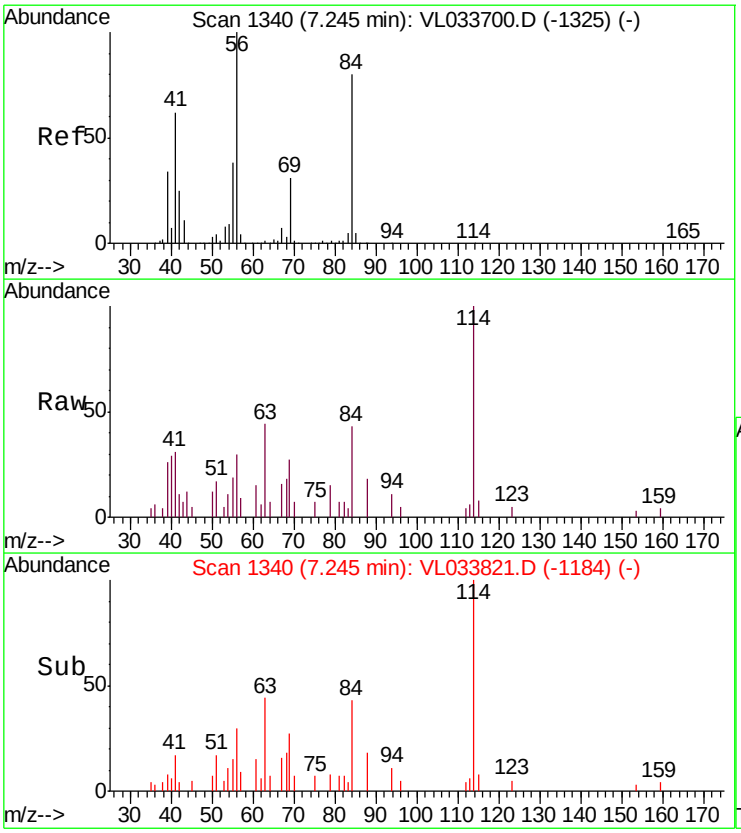
#29
Chloroform
Concen: 0.035 ppbv
RT: 5.84 min Scan# 904
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 83 Resp: 6751

Ion	Ratio	Lower	Upper
83	100		
85	59.4	51.5	77.3

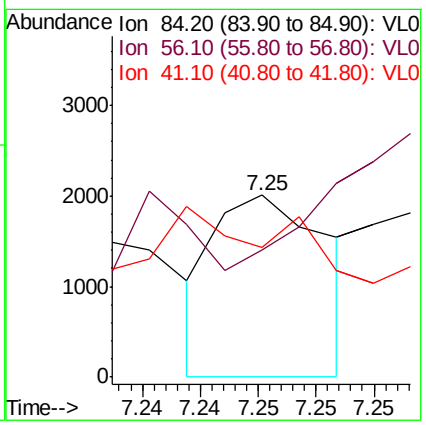


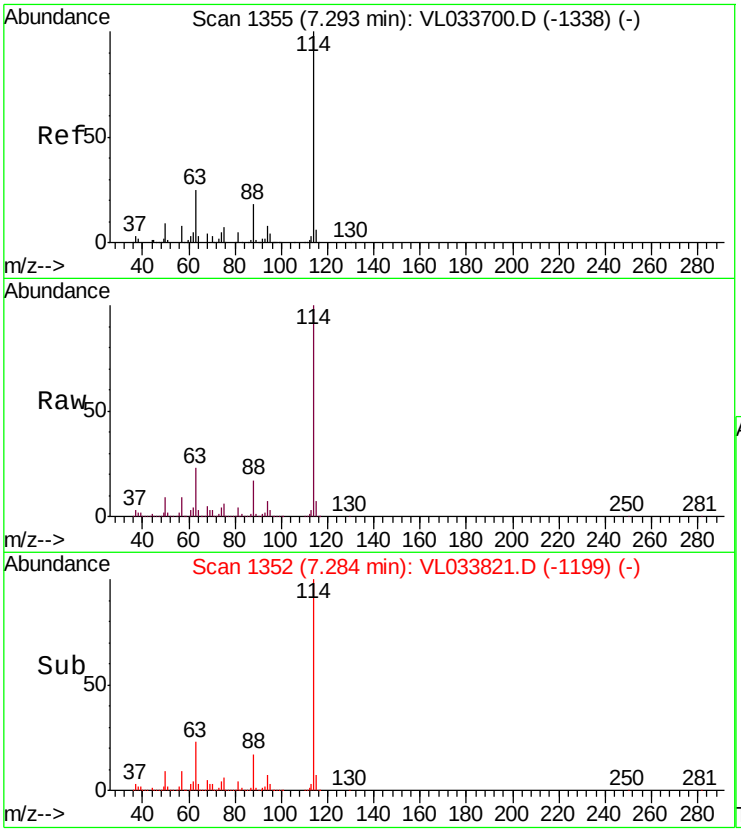


#30
Cyclohexane
Concen: 0.015 ppbv
RT: 7.25 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 84 Resp: 1356

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	0.0	66.0	99.0#



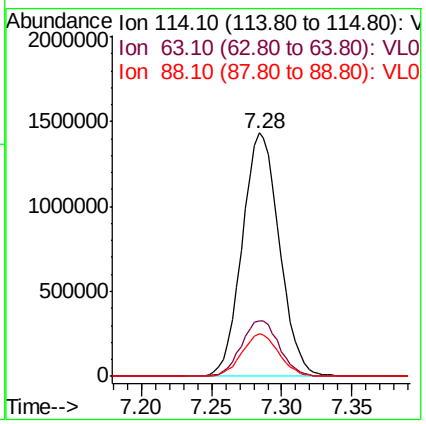


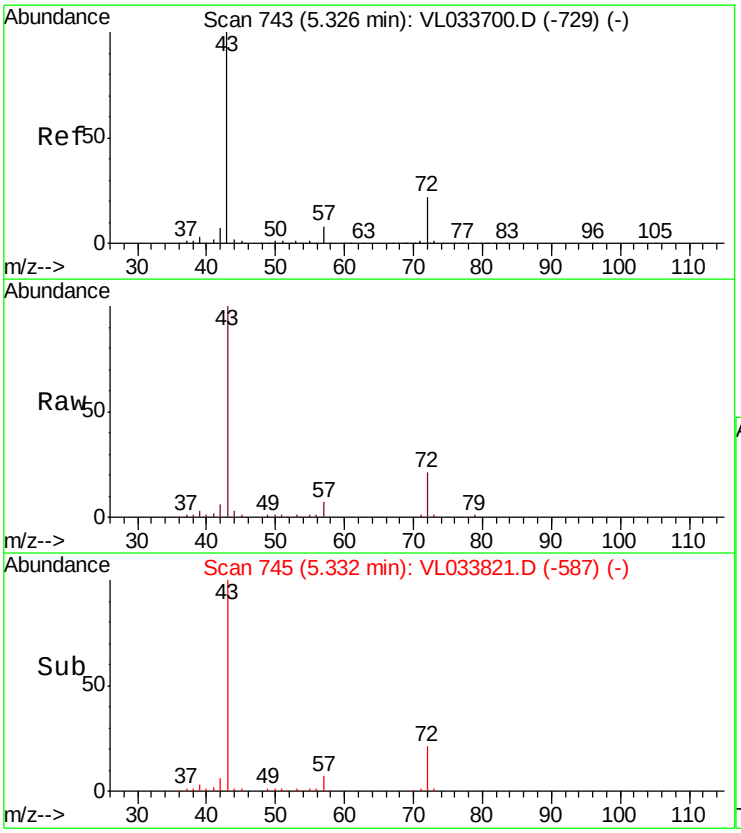
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion:114 Resp: 2652105

Ion	Ratio	Lower	Upper
114	100		
63	23.4	20.9	31.3
88	17.2	14.3	21.5

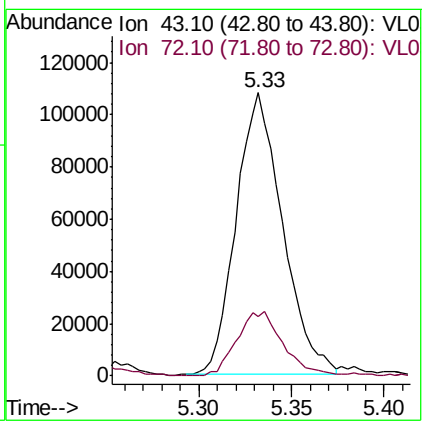


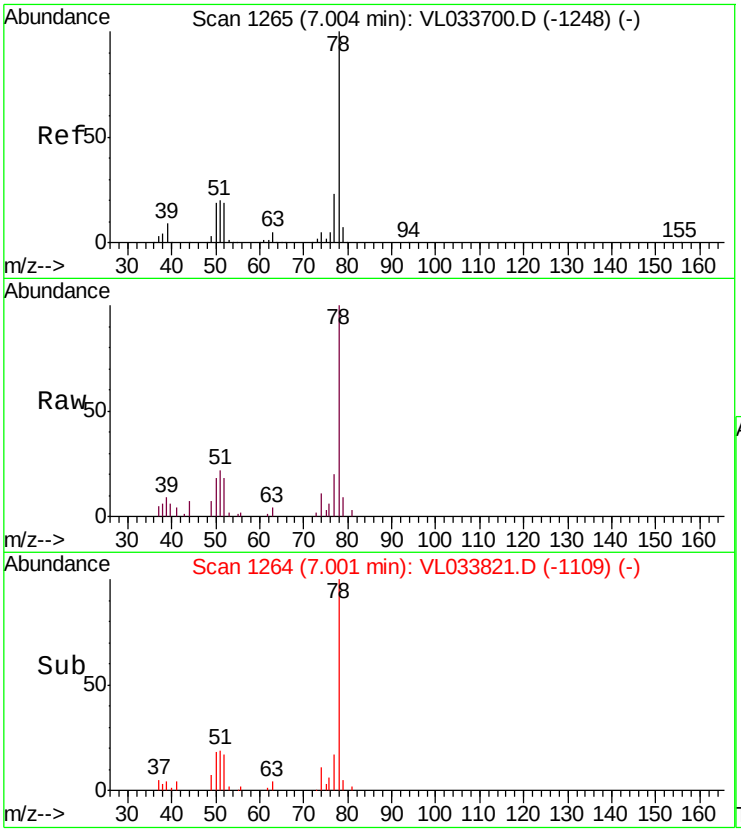


#34
2-Butanone
Concen: 1.142 ppbv
RT: 5.33 min Scan# 745
Delta R.T. 0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 43 Resp: 187786

Ion	Ratio	Lower	Upper
43	100		
72	23.5	17.8	26.6



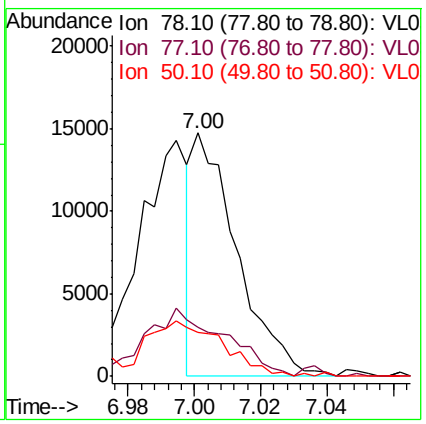


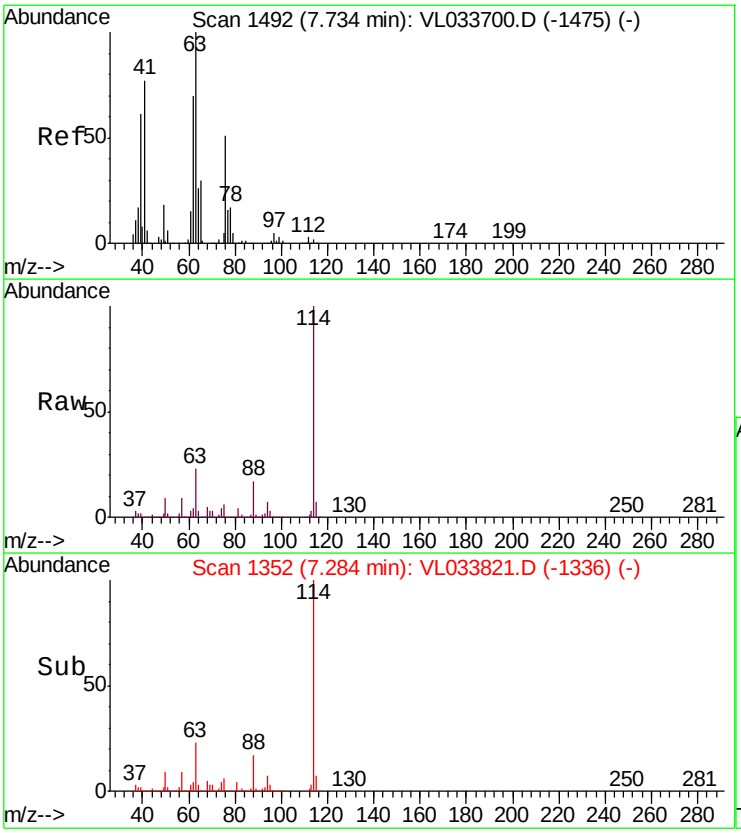
#36
Benzene
Concen: 0.056 ppbv
RT: 7.00 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 78 Resp: 13480

Ion	Ratio	Lower	Upper
78	100		
77	20.3	18.4	27.6
50	18.1	15.5	23.3

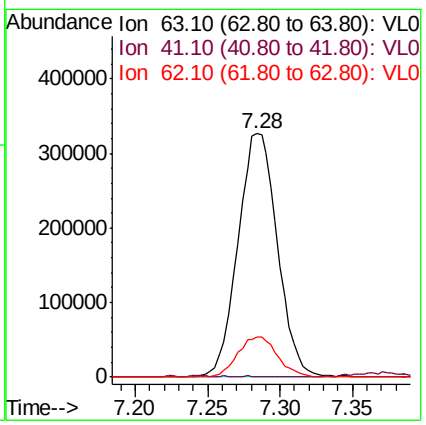


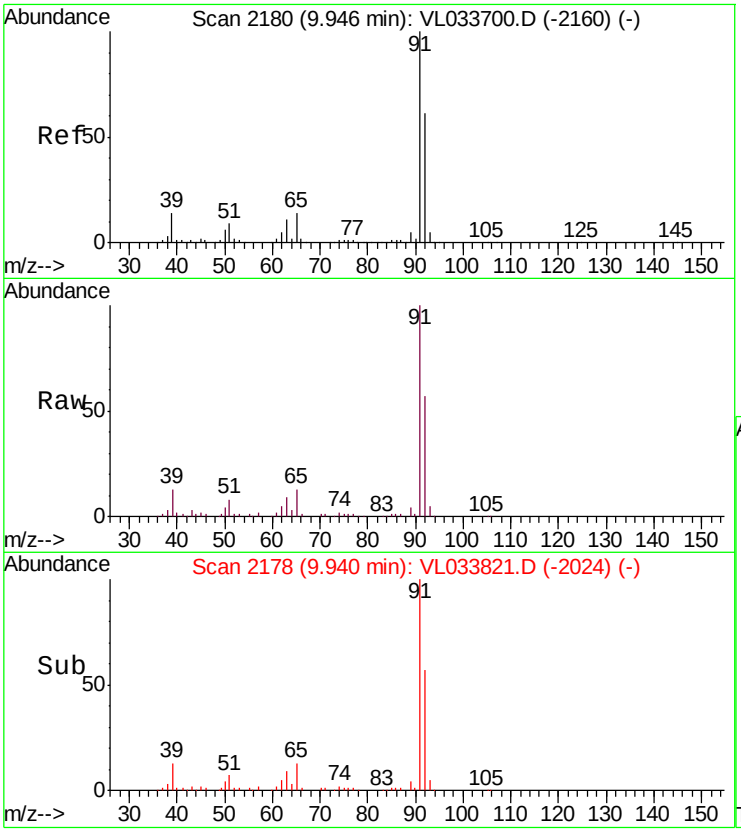


#39
1,2-Dichloropropane
Concen: 6.868 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 63 Resp: 617738

Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.5	92.3#
62	16.5	56.2	84.4#



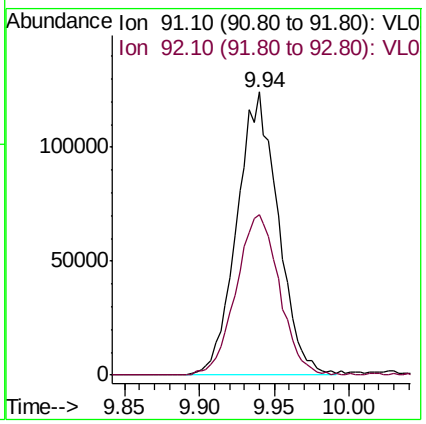


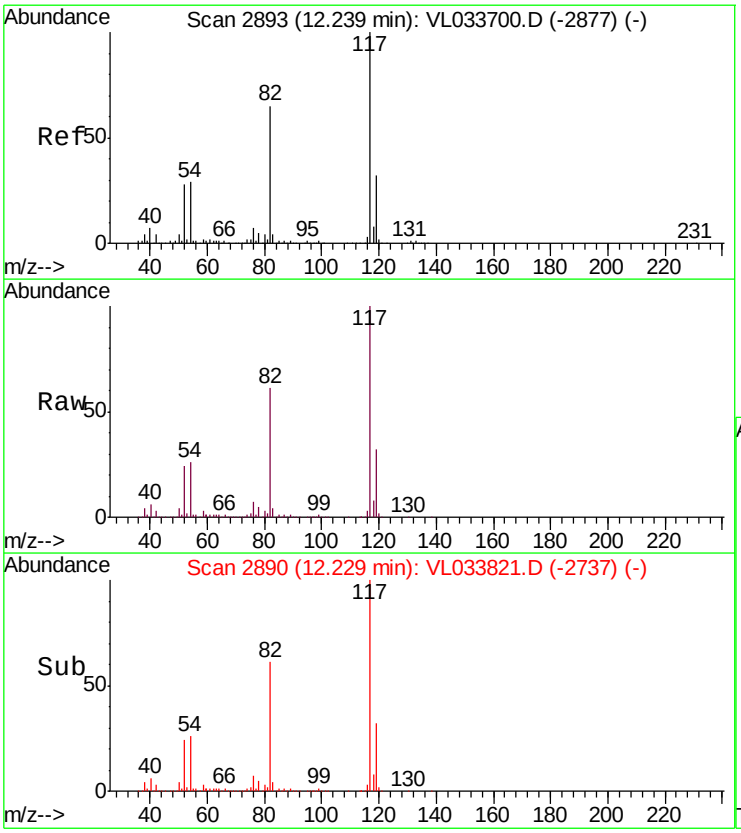
#53
Toluene
Concen: 0.917 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 91 Resp: 238524

Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.6	71.4

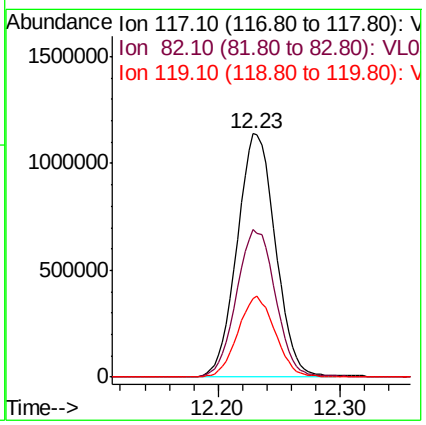


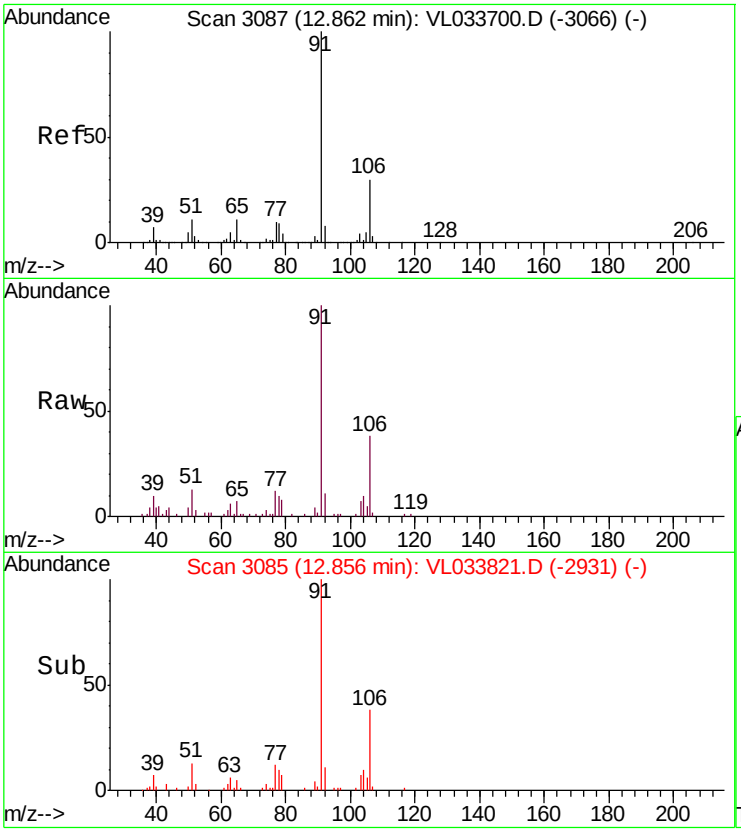


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion:117 Resp: 2472002

Ion	Ratio	Lower	Upper
117	100		
82	62.3	49.4	74.0
119	32.5	24.9	37.3



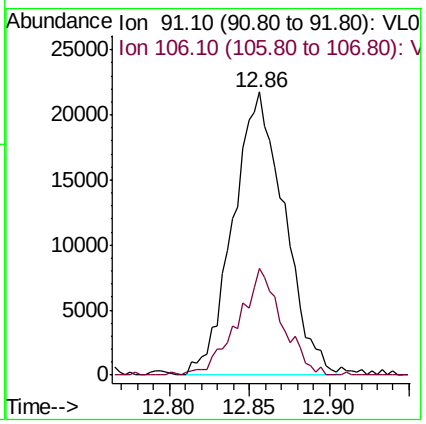


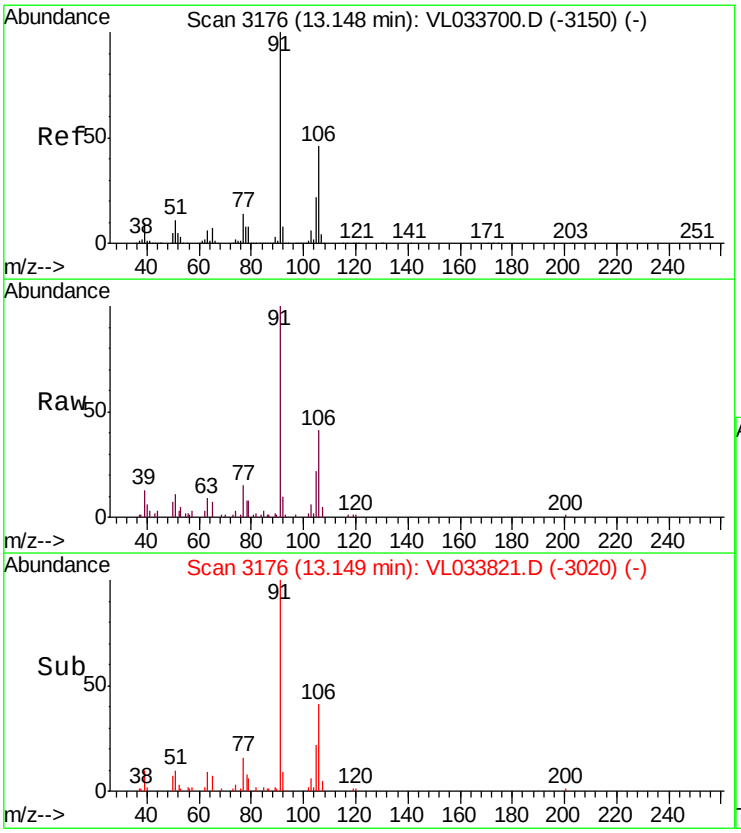
#58
Ethyl Benzene
Concen: 0.146 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 91 Resp: 47809

Ion	Ratio	Lower	Upper
91	100		
106	37.7	23.9	35.9#

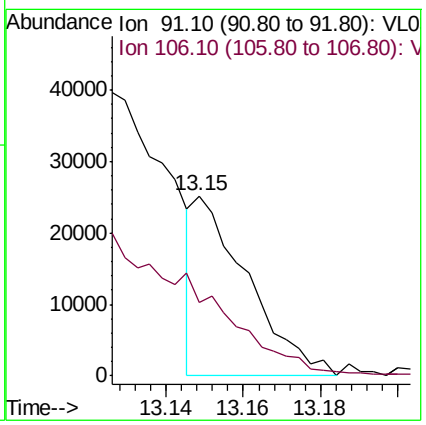


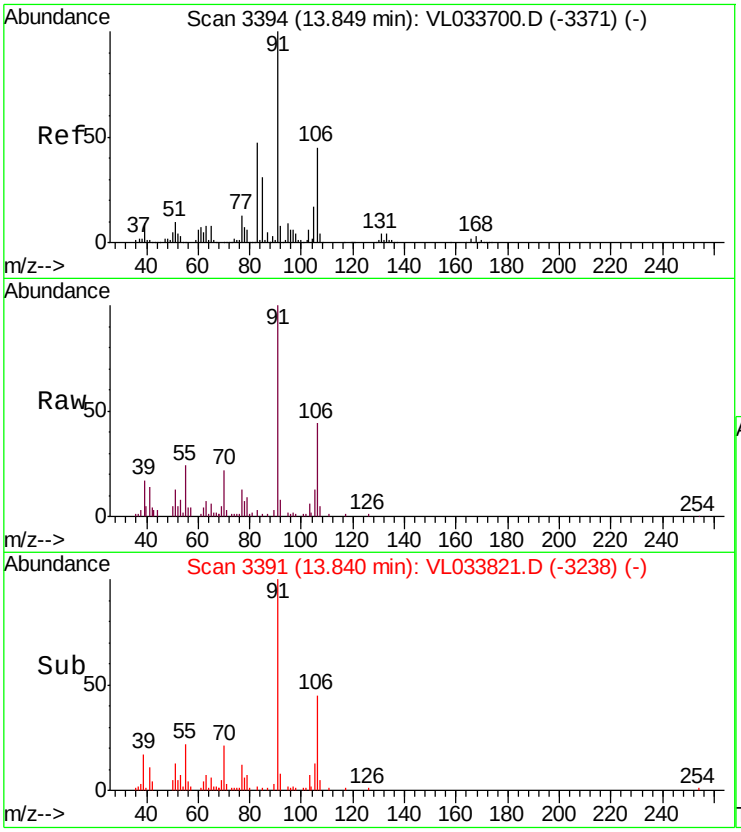


#59
m/p-Xylene
Concen: 0.084 ppbv
RT: 13.15 min Scan# 3176
Delta R.T. 0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 91 Resp: 24172

Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.6#



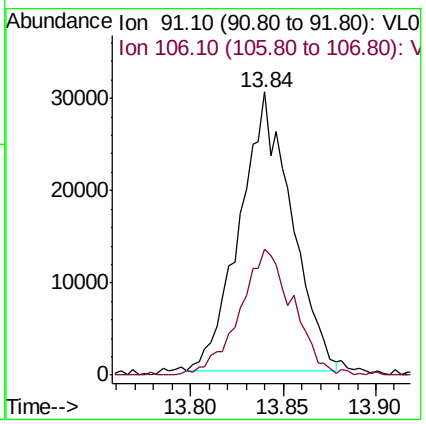


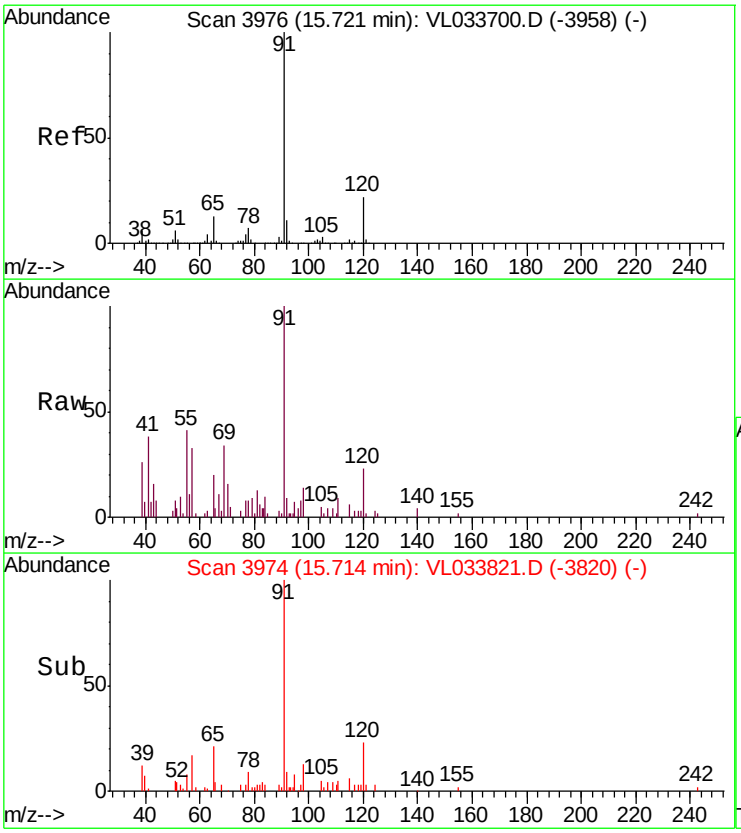
#60
o-Xylene
Concen: 0.205 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 91 Resp: 59025

Ion	Ratio	Lower	Upper
91	100		
106	46.2	21.6	64.8

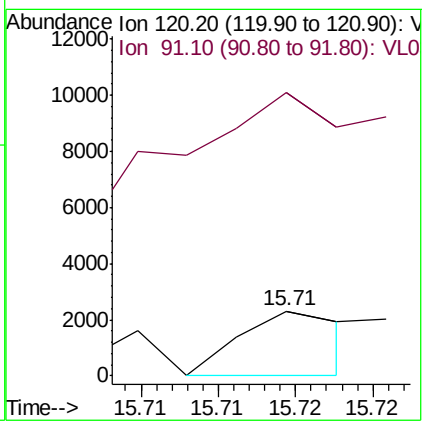


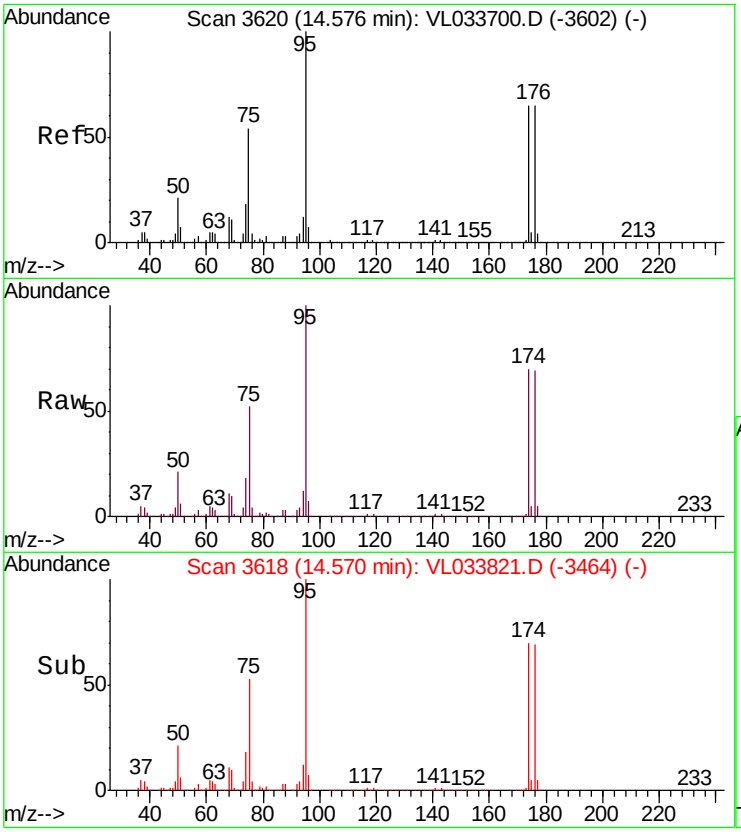


#64
n-propylbenzene
Concen: 0.011 ppbv
RT: 15.71 min Scan# 3974
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion:120 Resp: 1087

Ion	Ratio	Lower	Upper
120	100		
91	2393.7	379.1	568.7#



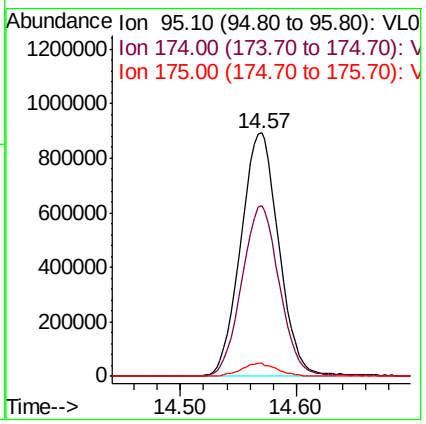


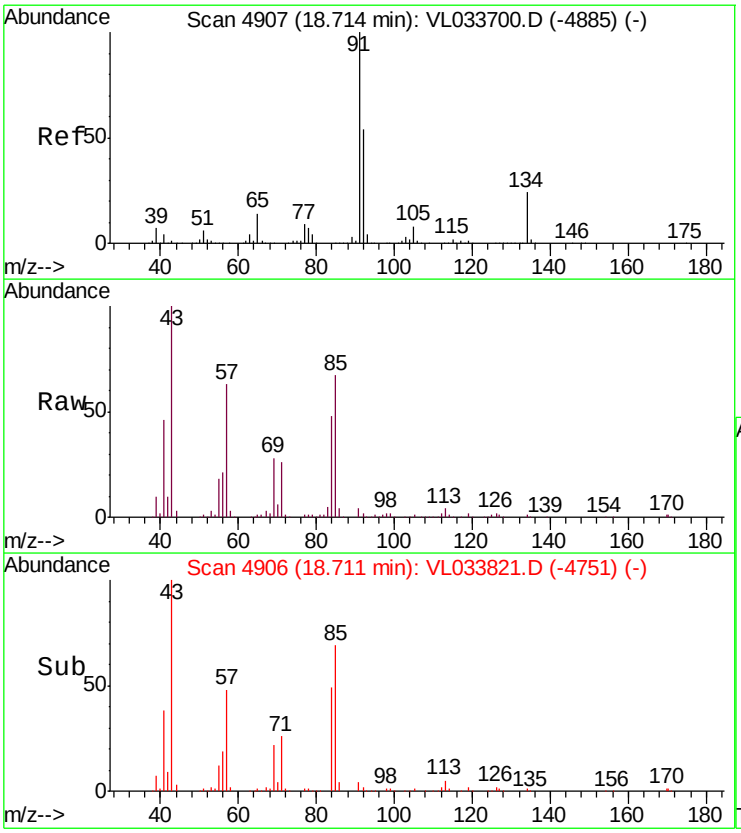
#68
1-Bromo-4-Fluorobenzene
Concen: 10.183 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion: 95 Resp: 2040692

Ion	Ratio	Lower	Upper
95	100		
174	70.0	53.9	80.9
175	5.2	3.8	5.8

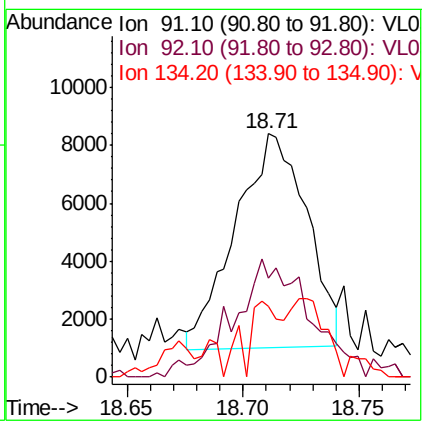


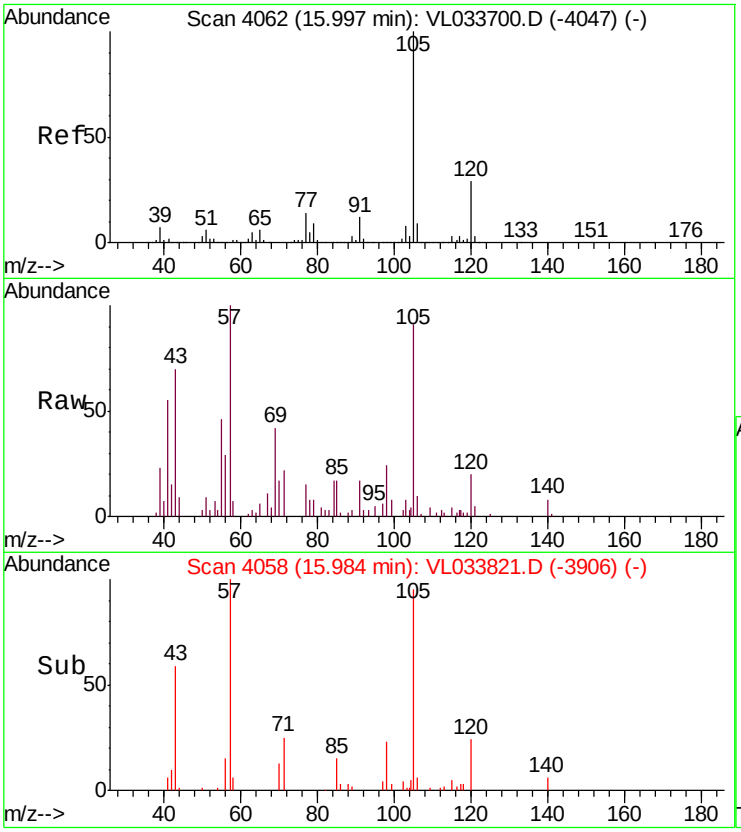


#70
n-Butylbenzene
Concen: 0.036 ppbv
RT: 18.71 min Scan# 4906
Delta R.T. -0.00 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion: 91 Resp: 15839

Ion	Ratio	Lower	Upper
91	100		
92	61.1	42.6	63.8
134	0.0	18.1	27.1#



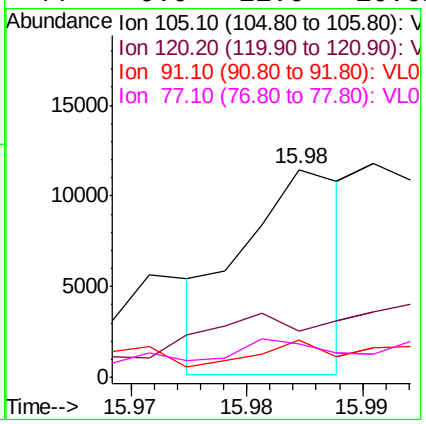


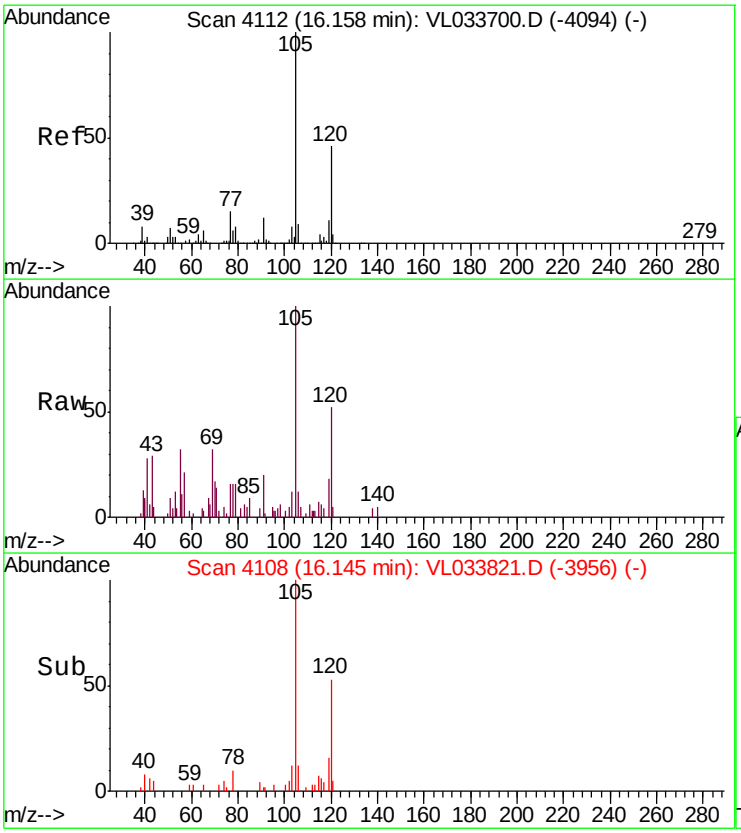
#72
4-Ethyltoluene
Concen: 0.021 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion:105 Resp: 6959

Ion	Ratio	Lower	Upper
105	100		
120	0.0	23.1	34.7#
91	0.0	10.4	15.6#
77	0.0	11.0	16.6#

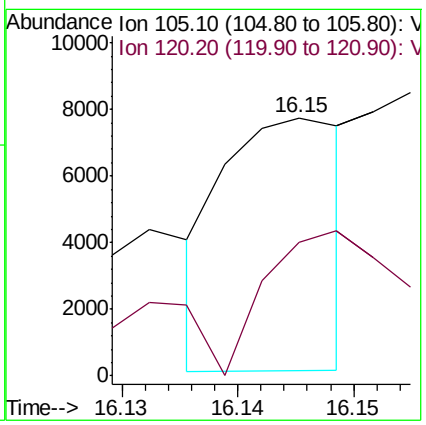


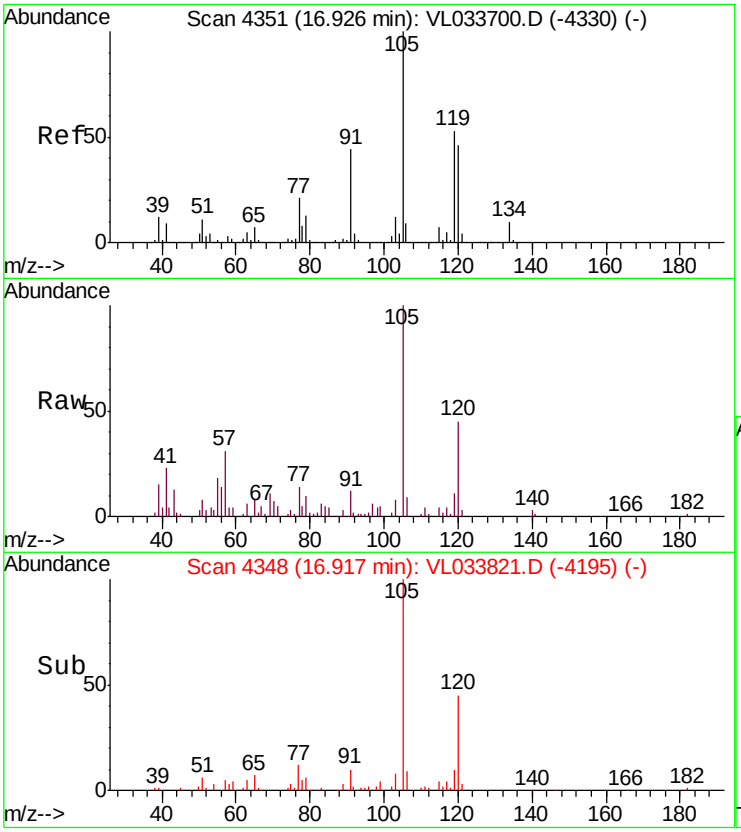


#73
1,3,5-Trimethylbenzene
Concen: 0.017 ppbv
RT: 16.15 min Scan# 4108
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion:105 Resp: 5487

Ion	Ratio	Lower	Upper
105	100		
120	62.1	37.0	55.4#



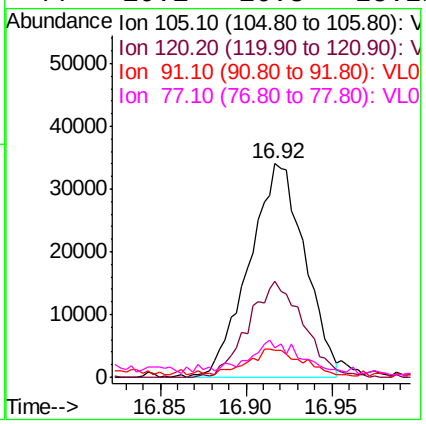


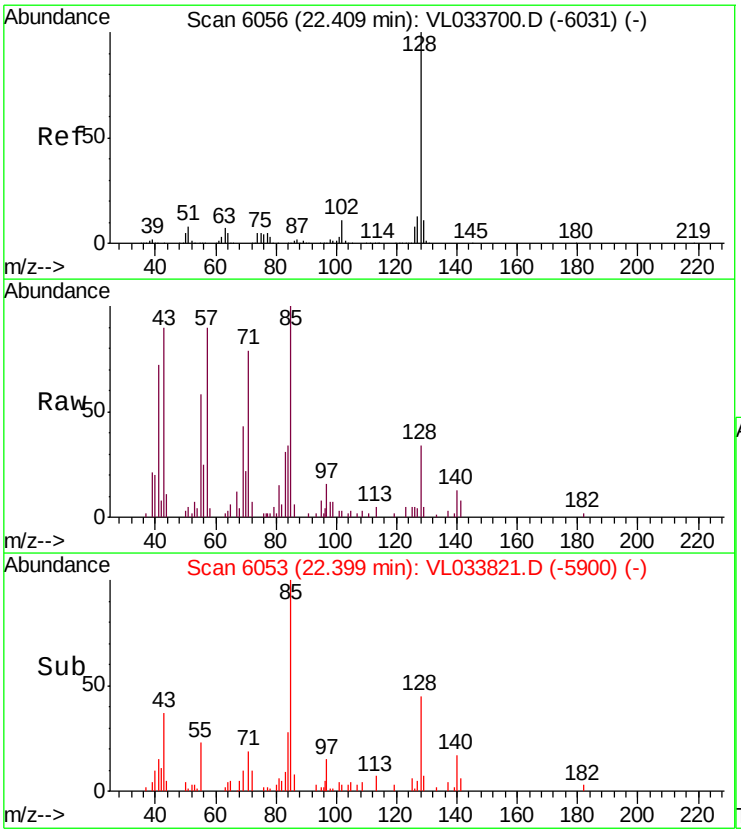
#74
1,2,4-Trimethylbenzene
Concen: 0.218 ppbv
RT: 16.92 min Scan# 4348
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion:105 Resp: 76360

Ion	Ratio	Lower	Upper
105	100		
120	45.2	36.8	55.2
91	13.4	35.4	53.0#
77	10.1	16.8	25.2#

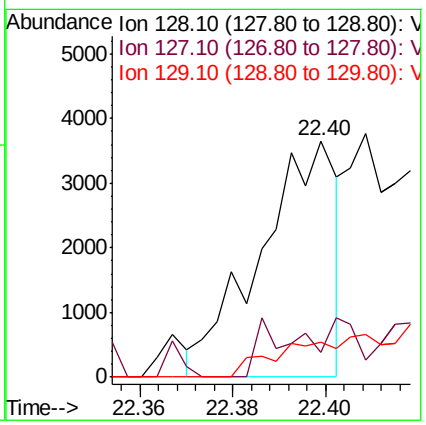


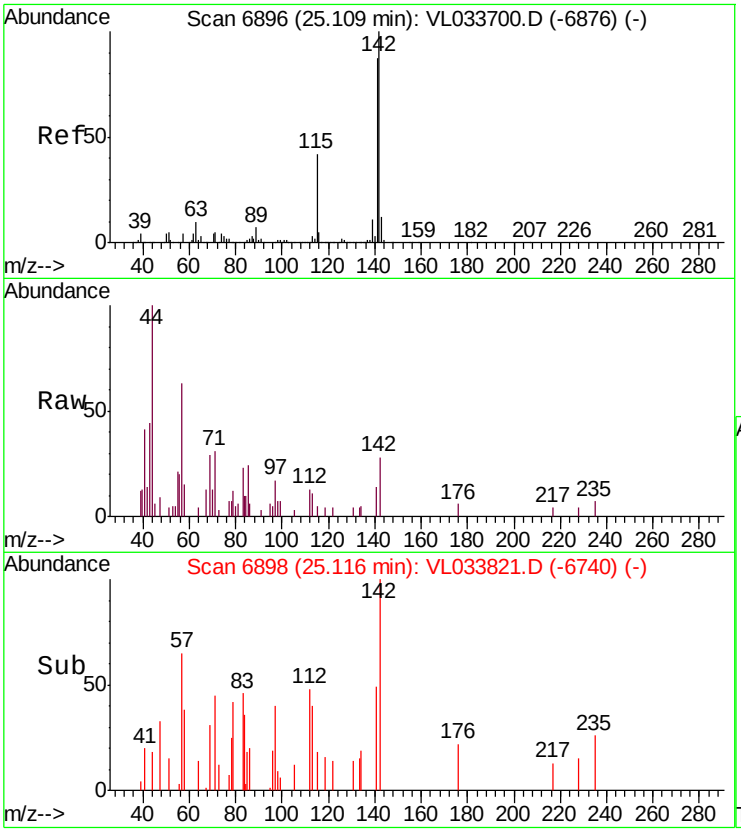


#79
Naphthalene
Concen: 0.013 ppbv
RT: 22.40 min Scan# 6053
Delta R.T. -0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Tgt Ion:128 Resp: 4178

Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.6	16.0#
129	16.5	8.9	13.3#





#80
Naphthalene,2-methyl-
Concen: 0.013 ppbv
RT: 25.12 min Scan# 6898
Delta R.T. 0.01 min
Lab File: VL033821.D
Acq: 29 May 2019 3:11

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3011-25DL

Tgt Ion:142 Resp: 1631

Ion	Ratio	Lower	Upper
142	100		
141	107.3	67.2	100.8#
115	53.5	34.1	51.1#