Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

Quantitation Report (Not Reviewed)

Data File : VL033792.D
Acq On : 24 May 2019 3:22
Operator : SY/AP
Sample : K2929-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55DL

Quant Time: May 24 04:33:12 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	1030008	10.00	ppbv		0.00
33) 1,4-Difluorobenzene	7.28	114	2654624	10.00	ppbv		0.00
55) Chlorobenzene-d5	12.23	117	2632514	10.00	ppbv		0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.57	95	2063994	9.67	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 96.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.08	85	10145	0.047	ppbv	#	83
3) Chlorodifluoromethane	3.01	51	9376	0.079	ppbv	#	90
4) Chloromethane	3.17	50	864	0.013	ppbv	#	7
9) Propene	3.04	41	395231	7.876	ppbv		91
10) Heptane	8.24	43	85838	0.604	ppbv		98
11) Trichlorofluoromethane	4.00	101	15515	0.075	ppbv	#	76
13) Ethanol	3.66	45	52158	3.216	ppbv		98
15) Acetone	3.89	43	1750102	12.246	ppbv		95
16) 1,3-Butadiene	3.34	39	223755	3.932	ppbv	#	27
17) tert-Butyl alcohol	4.37	59	27153	0.235	ppbv	#	87
19) Isopropyl Alcohol	4.03	45	8326	0.090	ppbv	#	94
20) Methylene Chloride	4.40	84	7647	0.139	ppbv	#	84
21) Allyl Chloride	4.46	41	6375	0.072	ppbv	#	1
23) Vinyl Acetate	5.14	43	27472	0.146	ppbv	#	11
25) Ethyl Acetate	5.77	43	119024	0.474	ppbv		97
26) Hexane	5.78	57	81281	0.753	ppbv	#	67
27) Carbon Disulfide	4.62	76	52917	0.357	ppbv	#	84
29) Chloroform	5.84	83	18411	0.093	ppbv		92
30) Cyclohexane	7.25	84	6056	0.067	ppbv	#	1
34) 2-Butanone	5.33	43	170312	1.035	ppbv		96
36) Benzene	7.00	78	106360	0.440	ppbv		98
39) 1,2-Dichloropropane	7.28	63	621523	6.904	ppbv	#	22
44) 2,2,4-Trimethylpentane	7.99	57	32359	0.079	ppbv	#	53
53) Toluene	9.94	91	959301	3.683	ppbv		100
58) Ethyl Benzene	12.86	91	157631	0.452	ppbv		94
59) m/p-Xylene	13.11	91	532937	1.749	ppbv		97
60) o-Xylene	13.84	91	159406	0.519	ppbv		97
64) n-propylbenzene	15.71	120	1854	0.017	ppbv	#	1
72) 4-Ethyltoluene	15.98	105	17047	0.049	ppbv	#	56
73) 1,3,5-Trimethylbenzene	16.15	105	8431	0.025	ppbv	#	30
74) 1,2,4-Trimethylbenzene	16.92	105	87372	0.234	ppbv	#	67

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

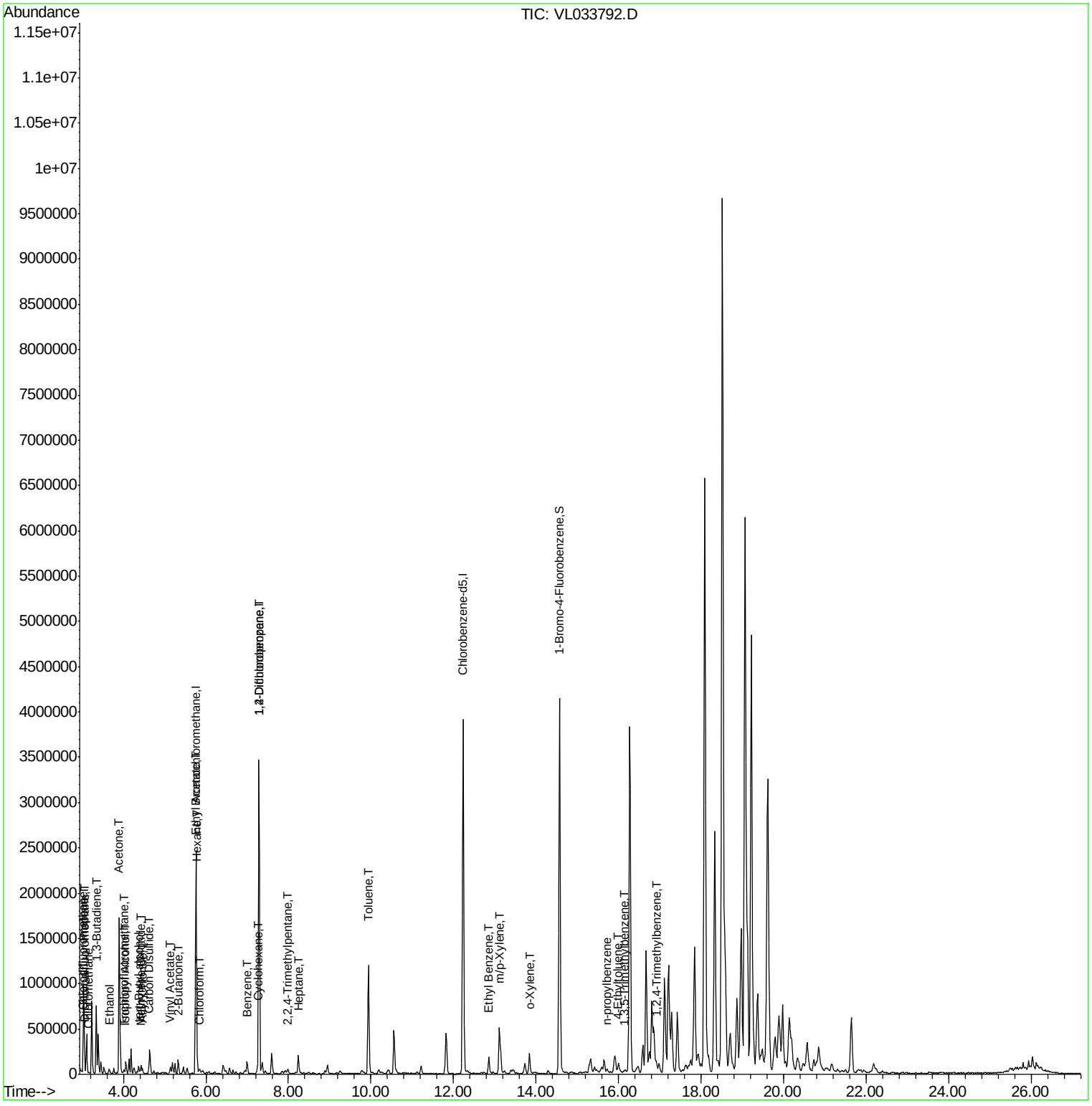
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL052319\

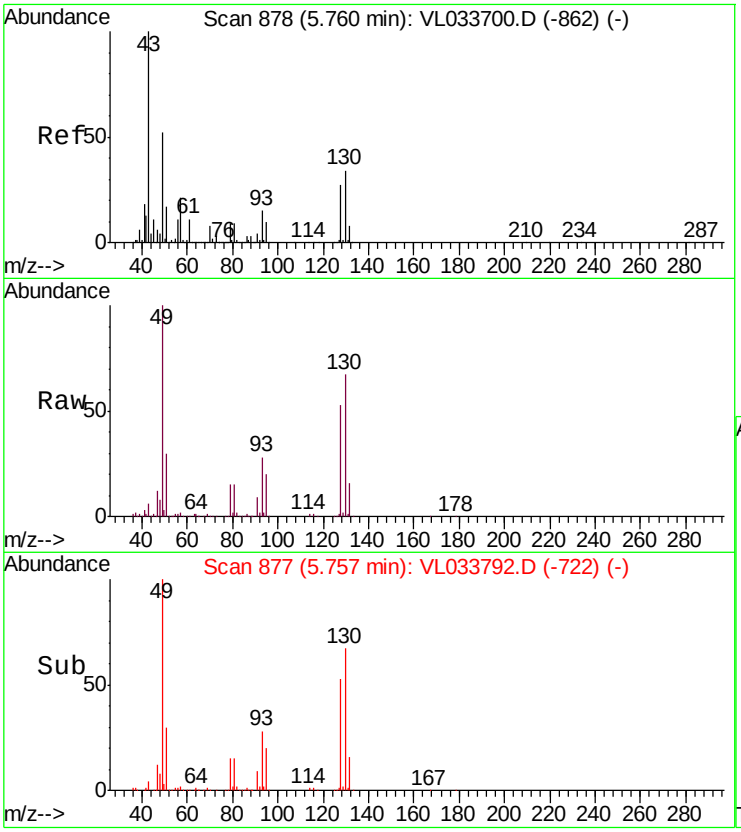
Quantitation Report (Not Reviewed)

Data File : VL033792.D
Acq On : 24 May 2019 3:22
Operator : SY/AP
Sample : K2929-06DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55DL

Quant Time: May 24 04:33:12 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



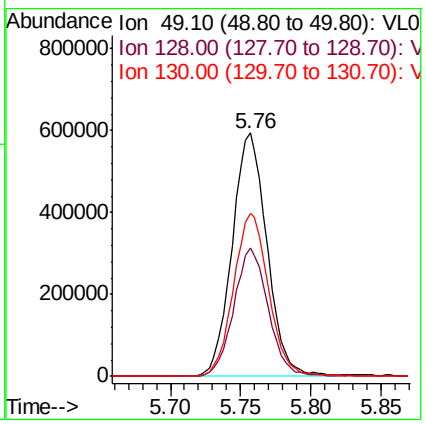


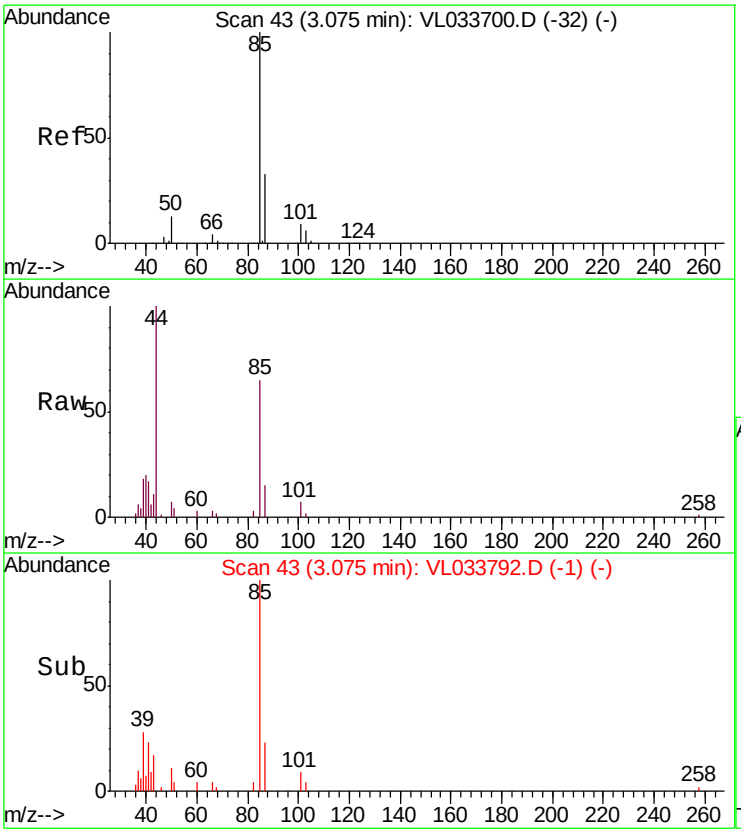
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 877
Delta R.T. -0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 49 Resp: 1030008

Ion	Ratio	Lower	Upper
49	100		
128	52.5	25.2	75.6
130	67.4	32.5	97.5

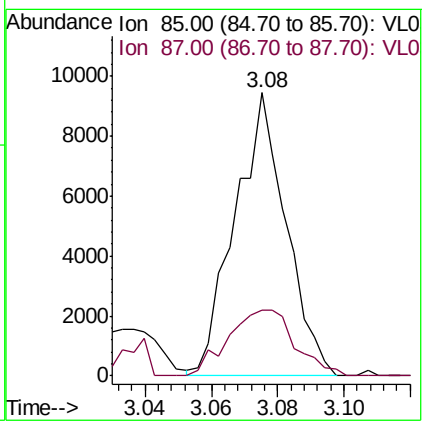


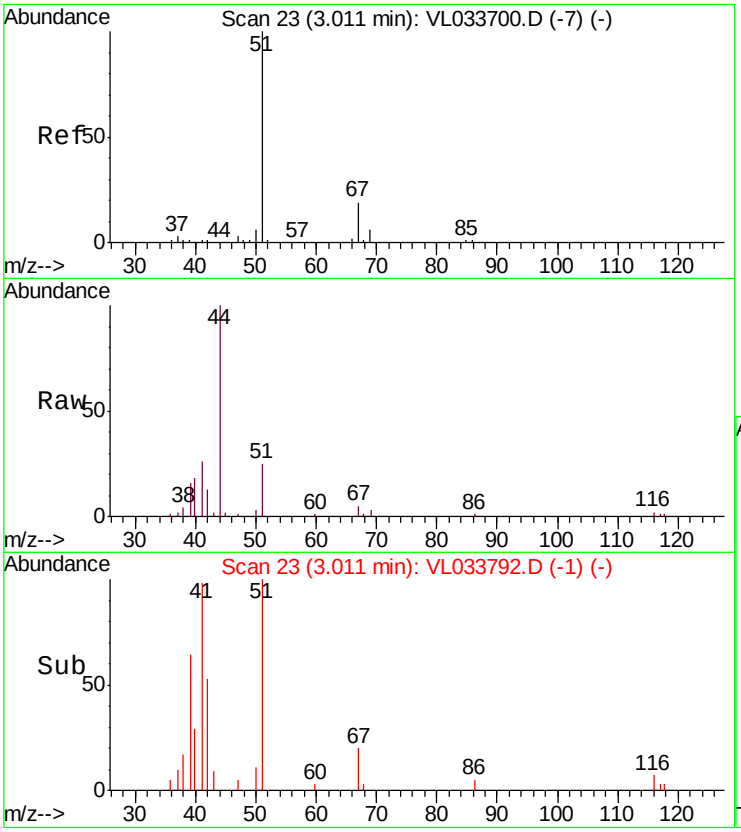


#2
Dichlorodifluoromethane
Concen: 0.047 ppbv
RT: 3.08 min Scan# 43
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 85 Resp: 10145

Ion	Ratio	Lower	Upper
85	100		
87	23.4	26.3	39.5#



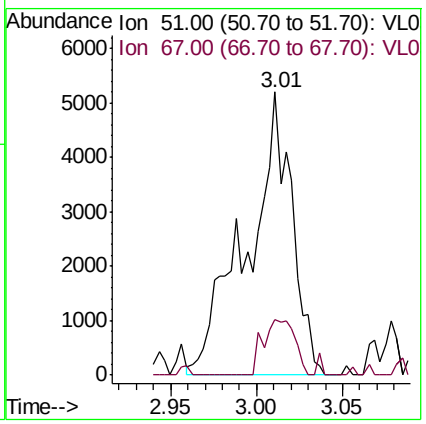


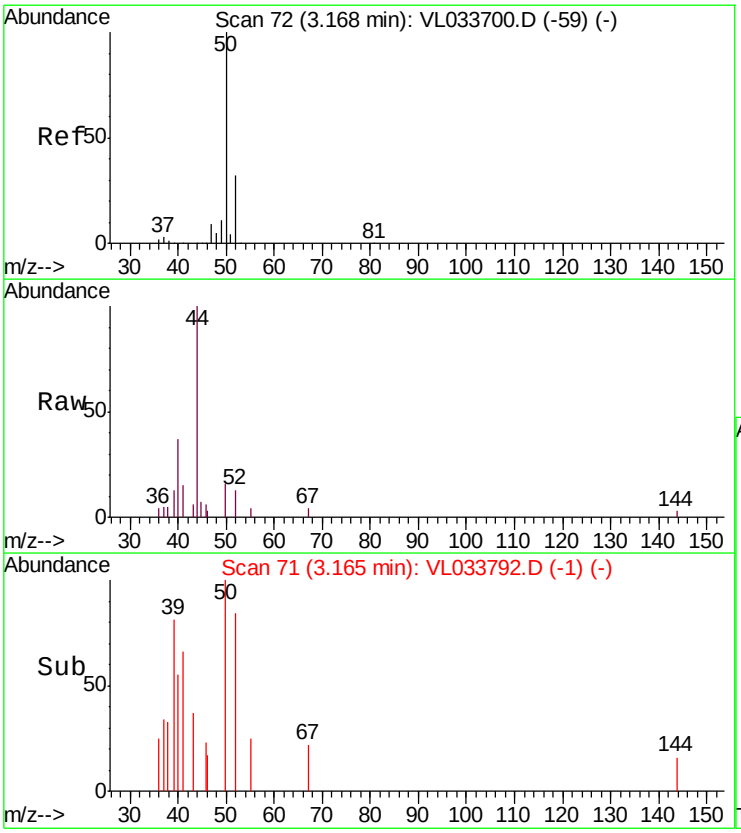
#3
Chlorodifluoromethane
Concen: 0.079 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 51 Resp: 9376

Ion	Ratio	Lower	Upper
51	100		
67	14.8	15.6	23.4#

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

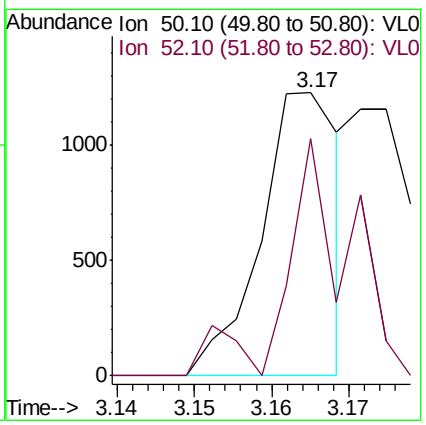


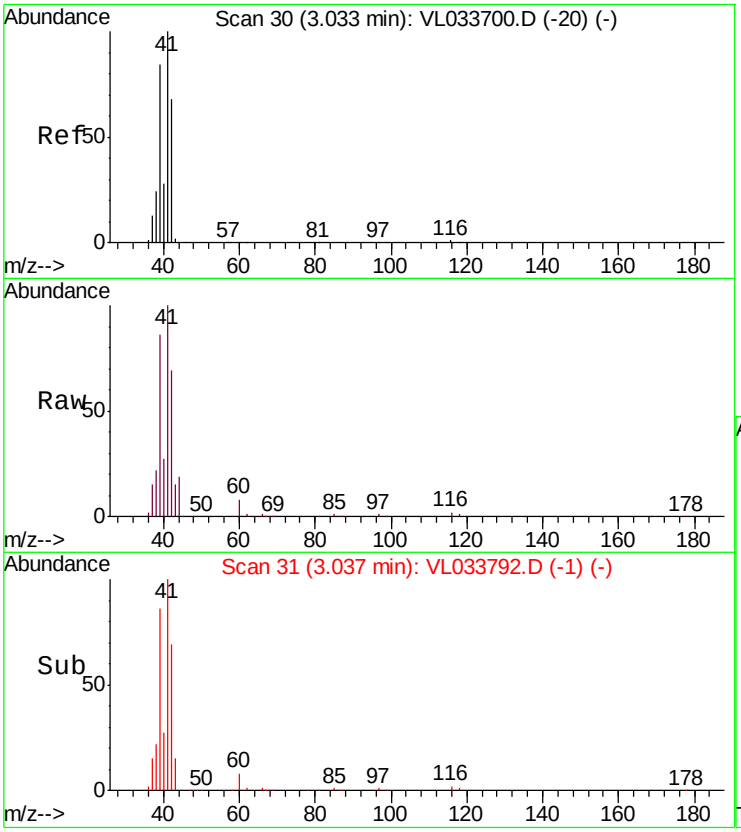


#4
Chloromethane
Concen: 0.013 ppbv
RT: 3.17 min Scan# 71
Delta R.T. -0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 50 Resp: 864

Ion	Ratio	Lower	Upper
50	100		
52	83.8	25.7	38.5#



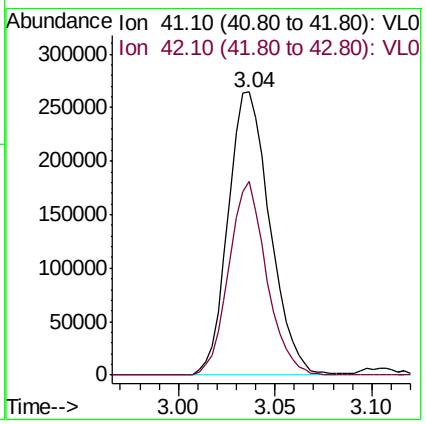


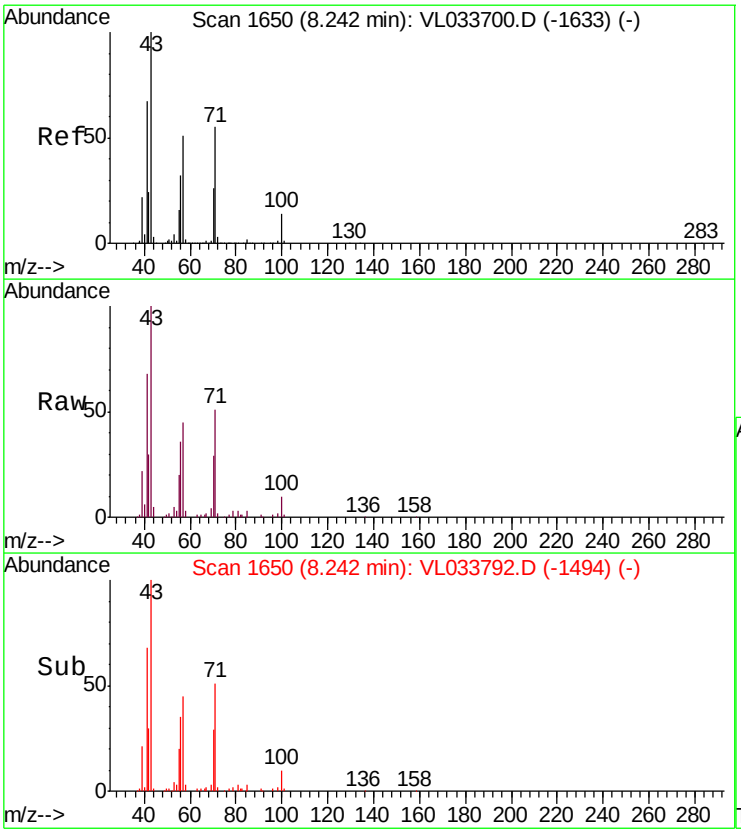
#9
Propene
Concen: 7.876 ppbv
RT: 3.04 min Scan# 31
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 41 Resp: 395231

Ion	Ratio	Lower	Upper
41	100		
42	62.4	56.1	84.1

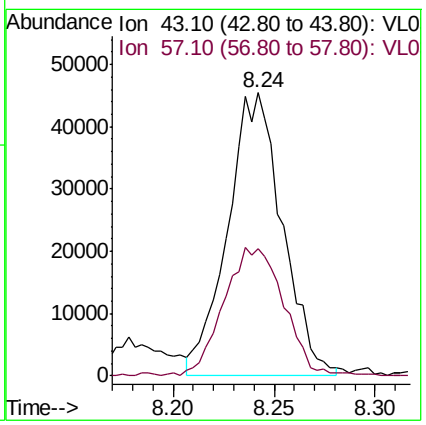


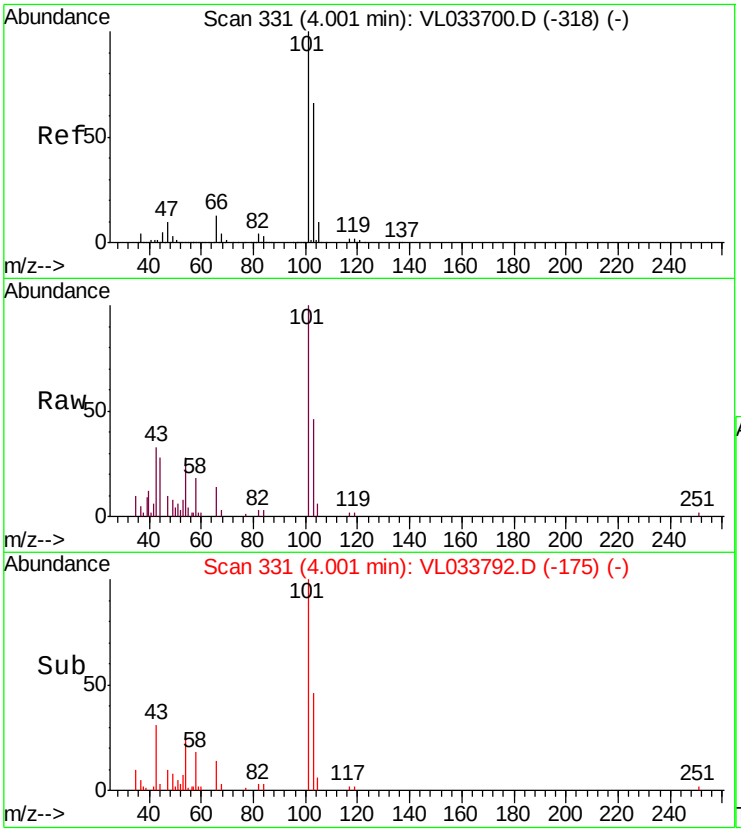


#10
Heptane
Concen: 0.604 ppbv
RT: 8.24 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 43 Resp: 85838

Ion	Ratio	Lower	Upper
43	100		
57	50.5	41.4	62.0



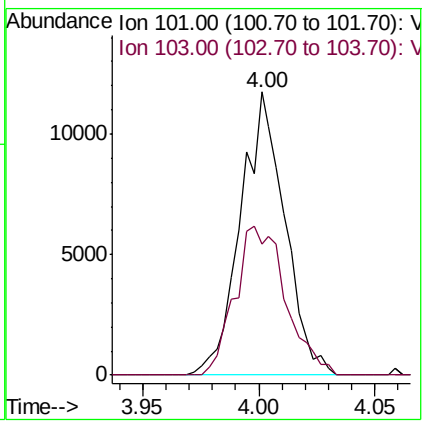


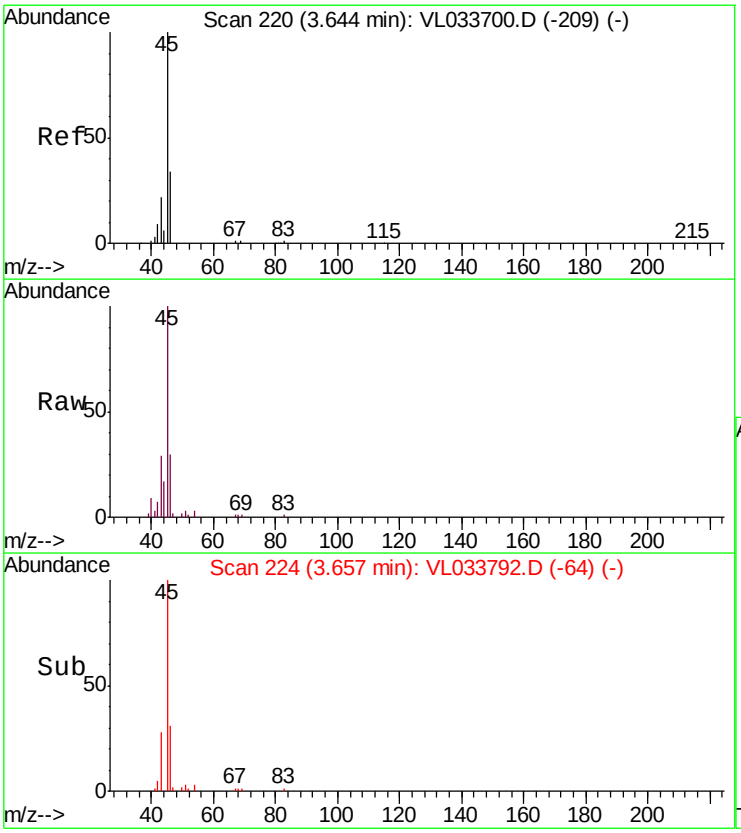
#11
Trichlorofluoromethane
Concen: 0.075 ppbv
RT: 4.00 min Scan# 331
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion:101 Resp: 15515

Ion	Ratio	Lower	Upper
101	100		
103	46.5	52.6	78.8#

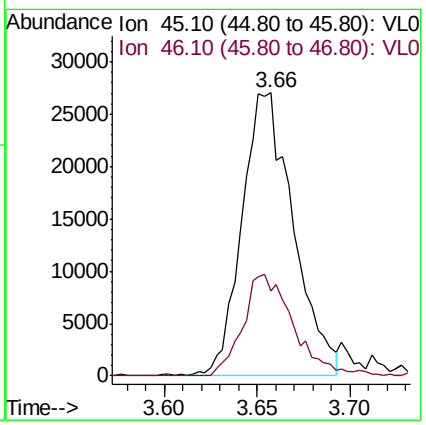


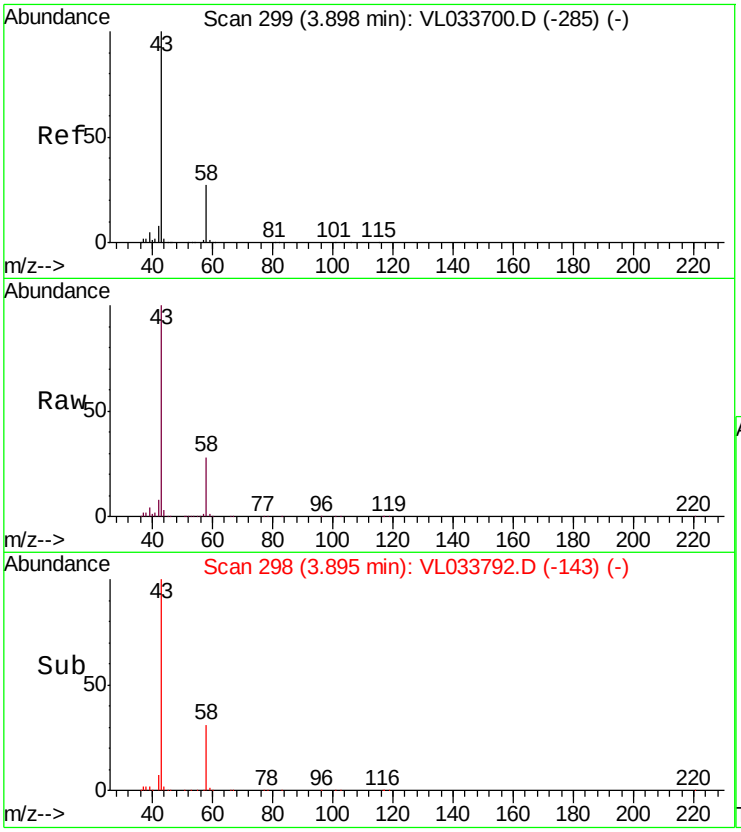


#13
Ethanol
Concen: 3.216 ppbv
RT: 3.66 min Scan# 224
Delta R.T. 0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 45 Resp: 52158

Ion	Ratio	Lower	Upper
45	100		
46	35.5	14.8	59.0



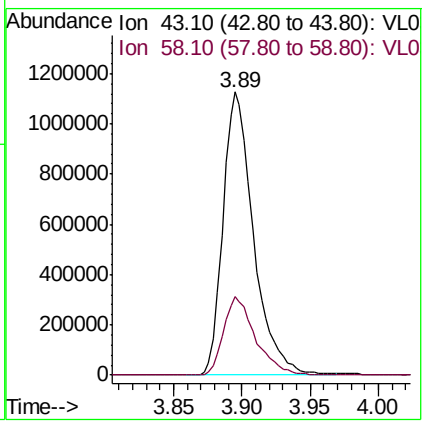


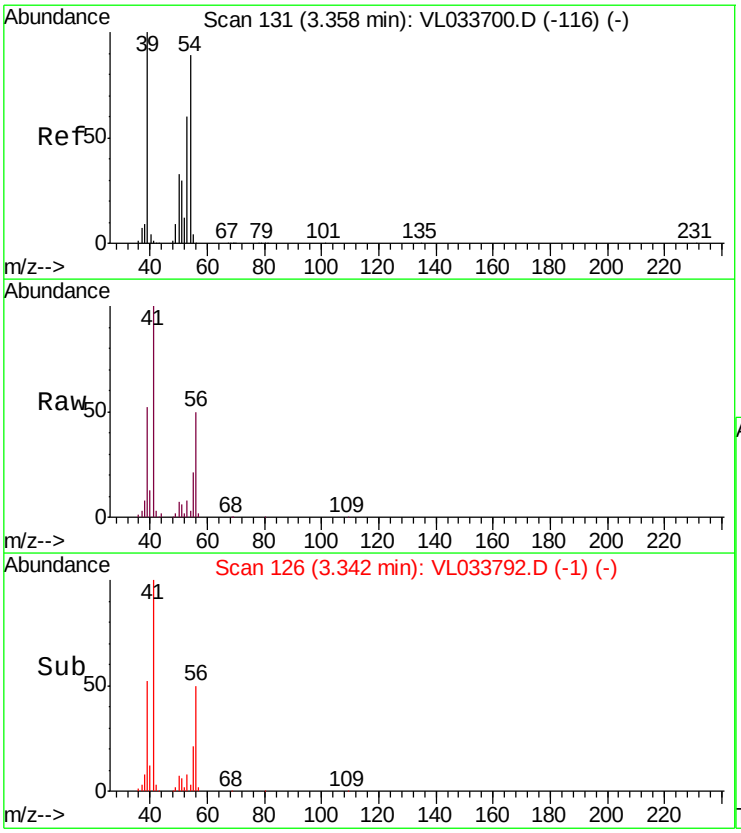
#15
Acetone
Concen: 12.246 ppbv
RT: 3.89 min Scan# 298
Delta R.T. -0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 43 Resp: 1750102

Ion	Ratio	Lower	Upper
43	100		
58	29.0	21.3	31.9

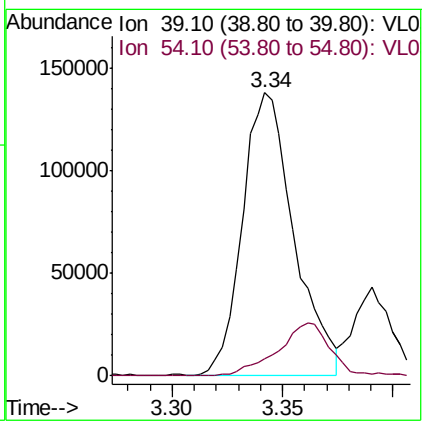


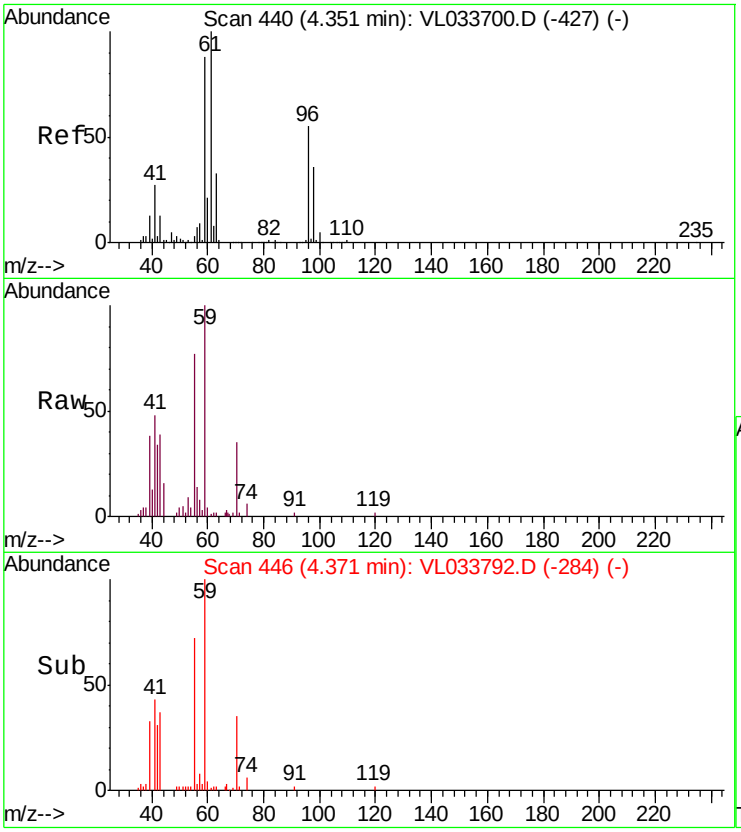


#16
1,3-Butadiene
Concen: 3.932 ppbv
RT: 3.34 min Scan# 126
Delta R.T. -0.02 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 39 Resp: 223755

Ion	Ratio	Lower	Upper
39	100		
54	19.3	69.0	103.6#



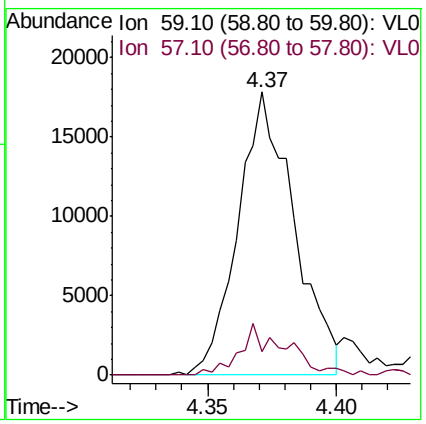


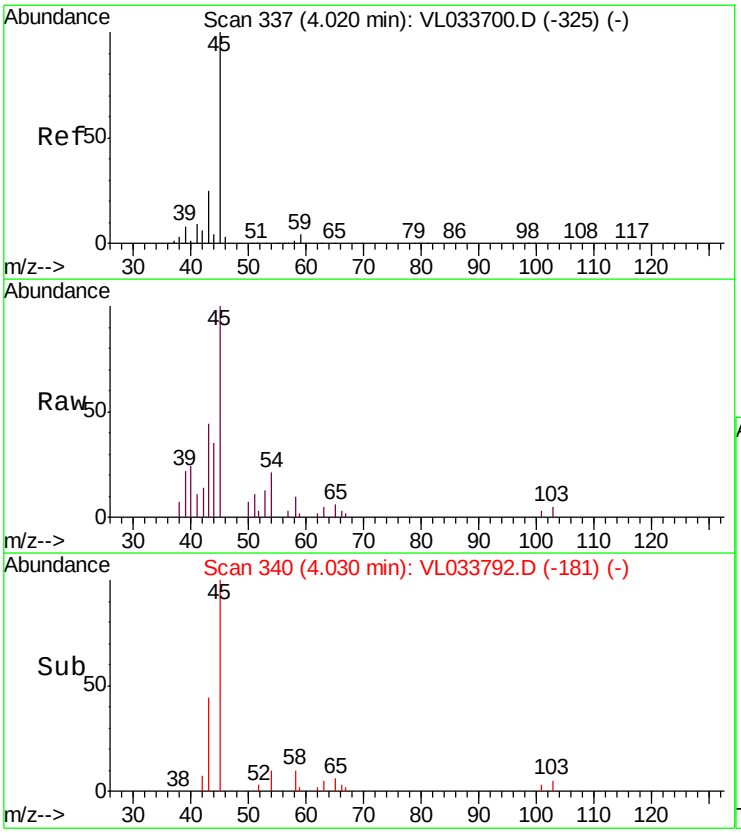
#17
tert-Butyl alcohol
Concen: 0.235 ppbv
RT: 4.37 min Scan# 446
Delta R.T. 0.02 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 59 Resp: 27153

Ion	Ratio	Lower	Upper
59	100		
57	15.5	8.4	12.6#

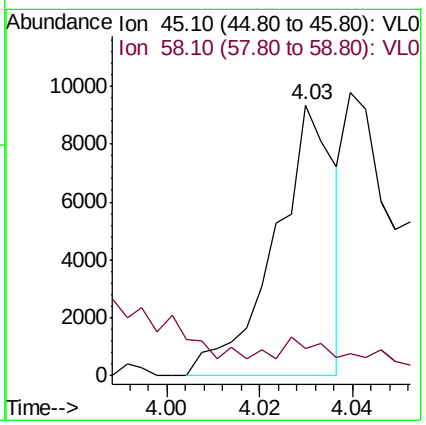


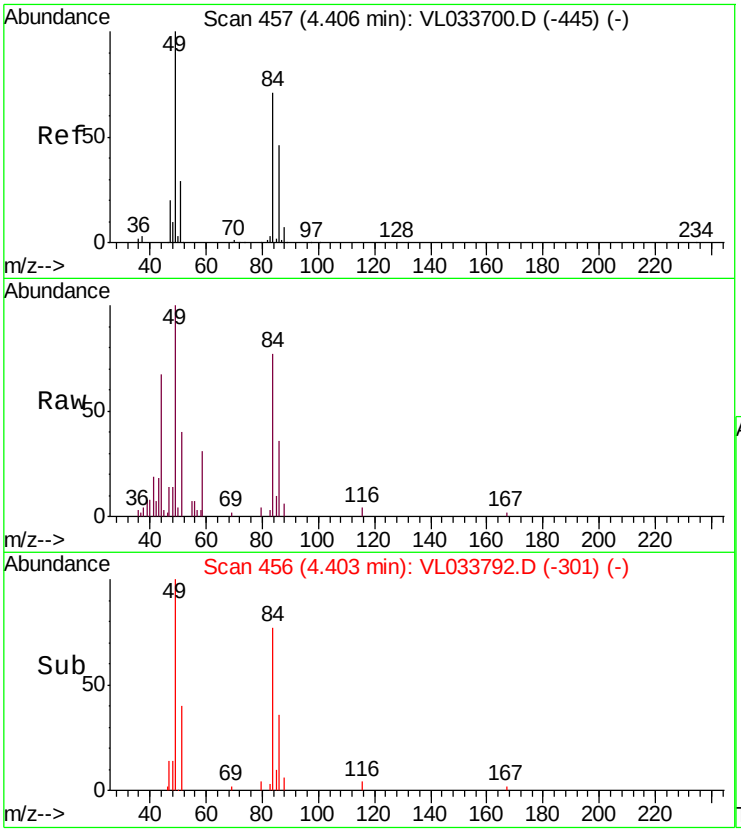


#19
Isopropyl Alcohol
Concen: 0.090 ppbv
RT: 4.03 min Scan# 340
Delta R.T. 0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 45 Resp: 8326

Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.6	2.4#



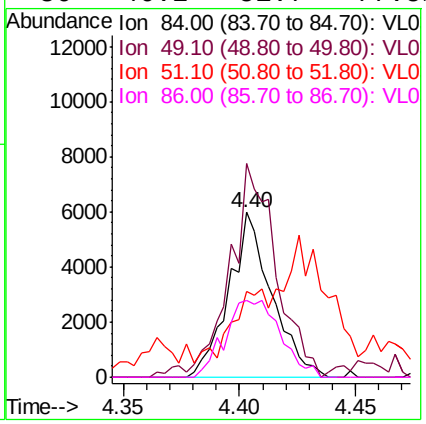


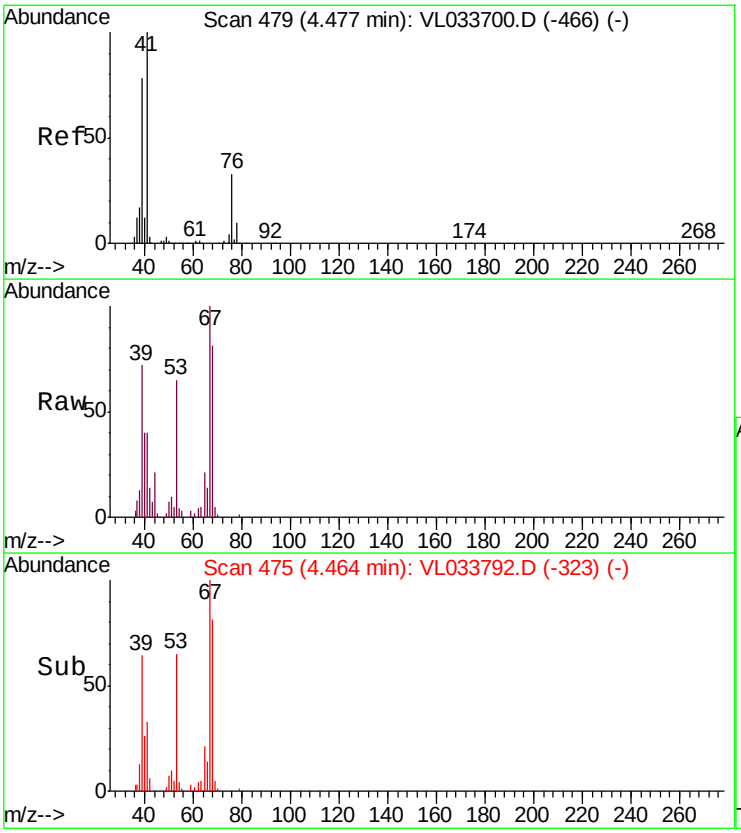
#20
Methylene Chloride
Concen: 0.139 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 84 Resp: 7647

Ion	Ratio	Lower	Upper
84	100		
49	126.3	112.8	169.2
51	31.9	33.4	50.0#
86	46.2	51.7	77.5#

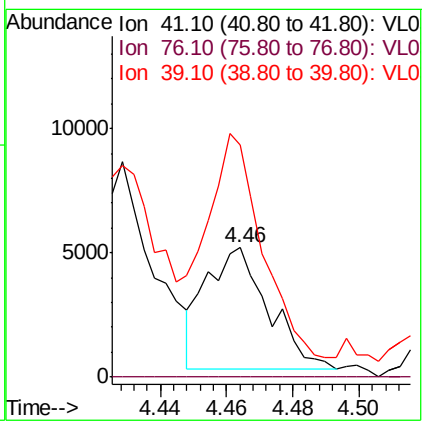


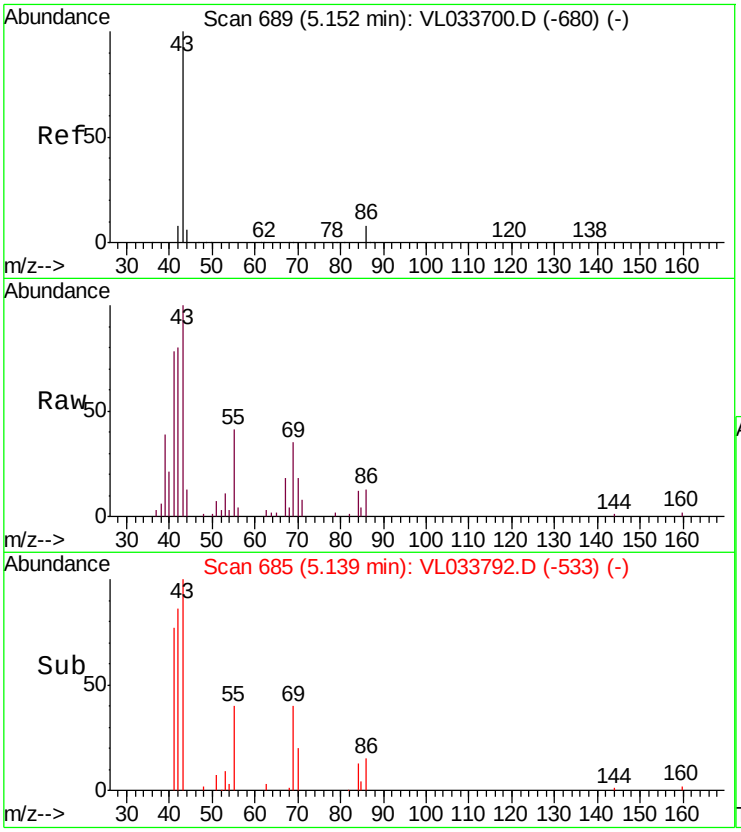


#21
Allyl Chloride
Concen: 0.072 ppbv
RT: 4.46 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 41 Resp: 6375

Ion	Ratio	Lower	Upper
41	100		
76	0.0	25.9	38.9#
39	224.4	64.6	97.0#



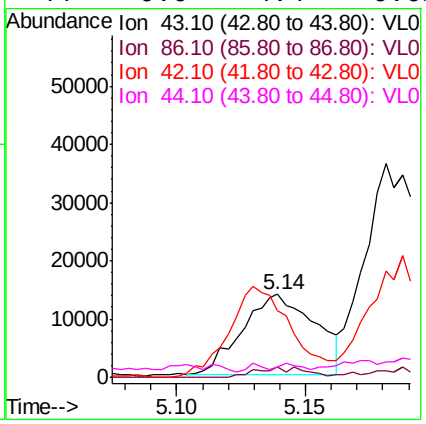


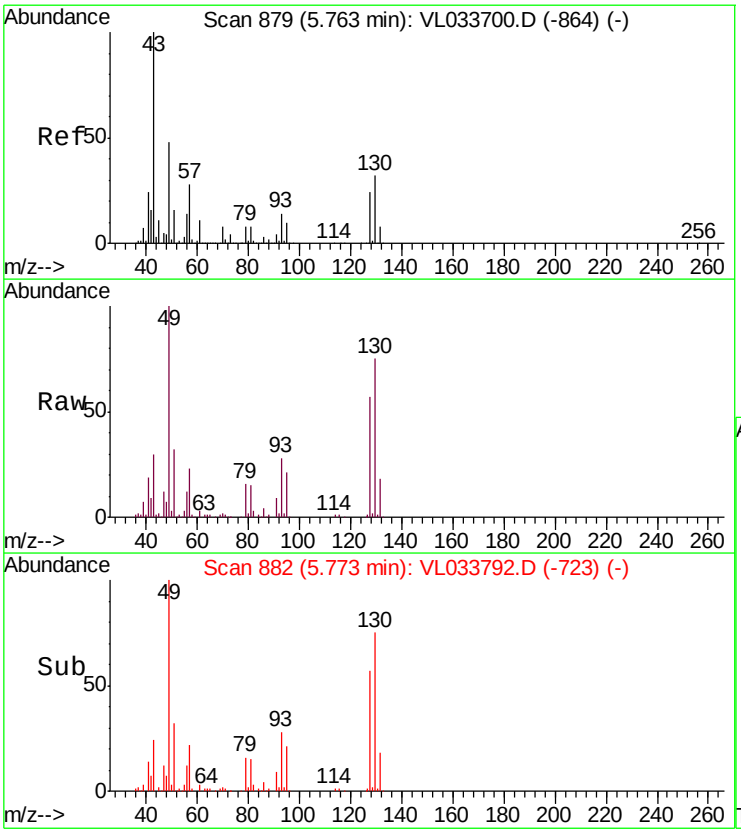
#23
Vinyl Acetate
Concen: 0.146 ppbv
RT: 5.14 min Scan# 685
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55DL

Tgt Ion: 43 Resp: 27472

Ion	Ratio	Lower	Upper
43	100		
86	13.2	6.0	9.0#
42	78.3	7.5	11.3#
44	0.0	4.4	6.6#

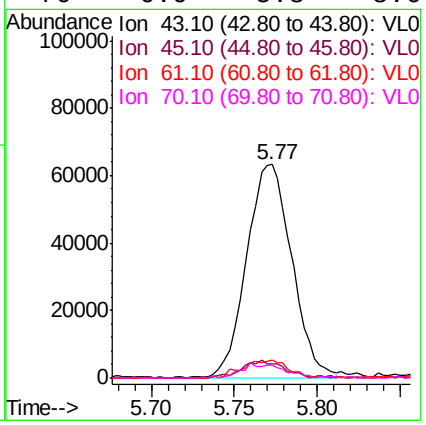


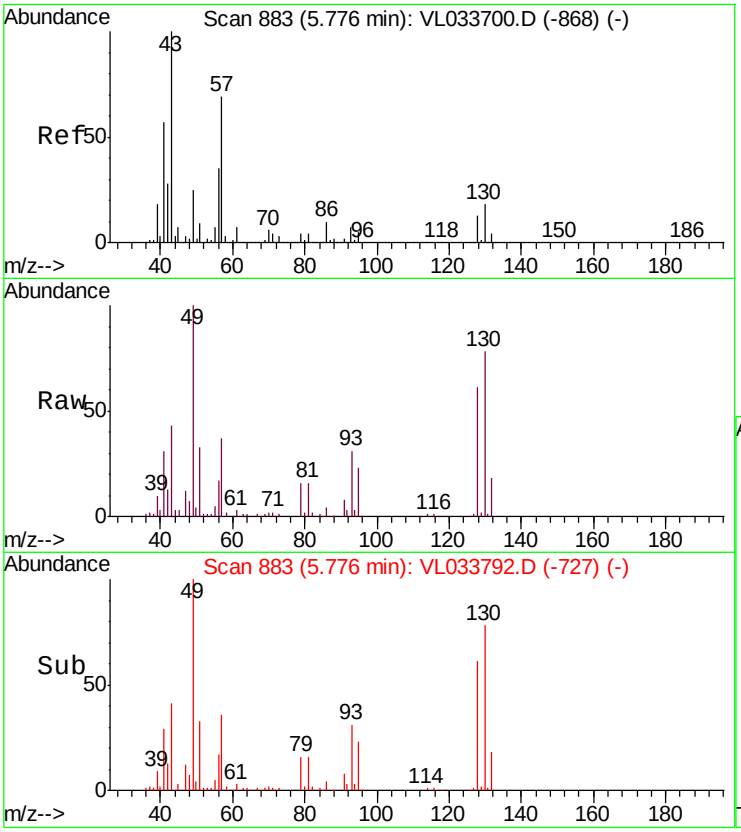


#25
Ethyl Acetate
Concen: 0.474 ppbv
RT: 5.77 min Scan# 882
Delta R.T. 0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 43 Resp: 119024

Ion	Ratio	Lower	Upper
43	100		
45	8.0	7.9	11.9
61	8.9	7.7	11.5
70	6.9	5.8	8.6



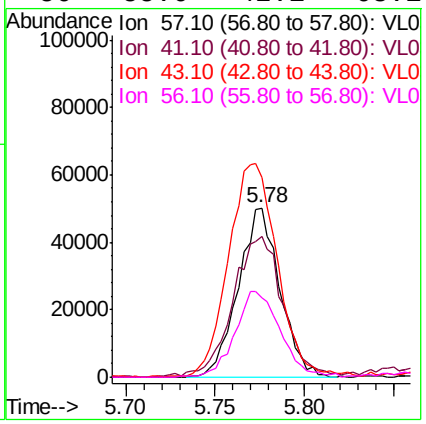


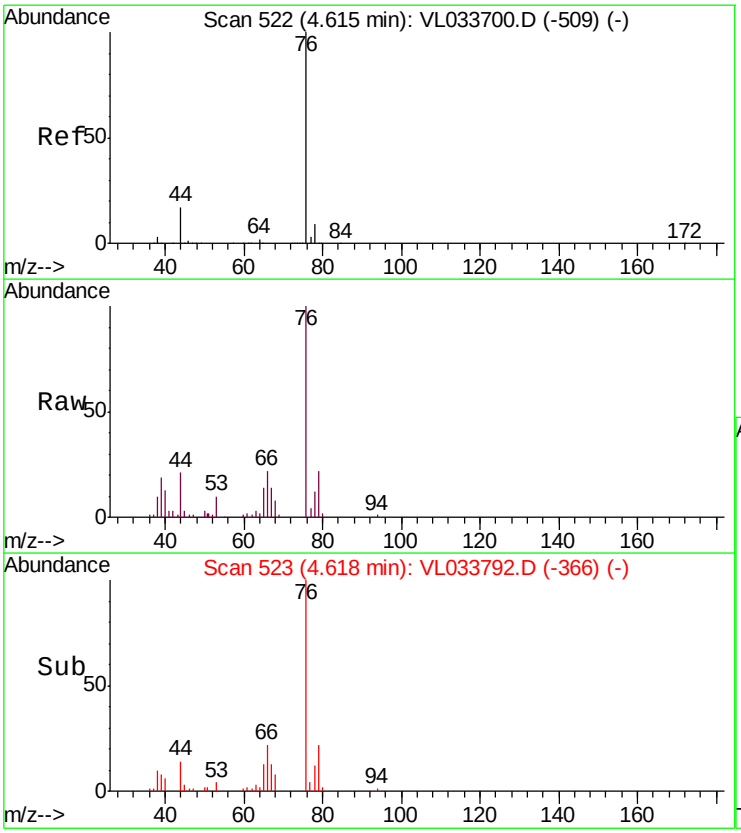
#26
Hexane
Concen: 0.753 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 57 Resp: 81281

Ion	Ratio	Lower	Upper
57	100		
41	99.8	69.8	104.6
43	151.0	181.8	272.6#
56	55.6	42.1	63.1

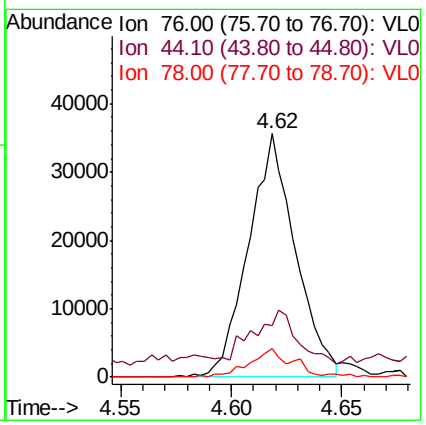


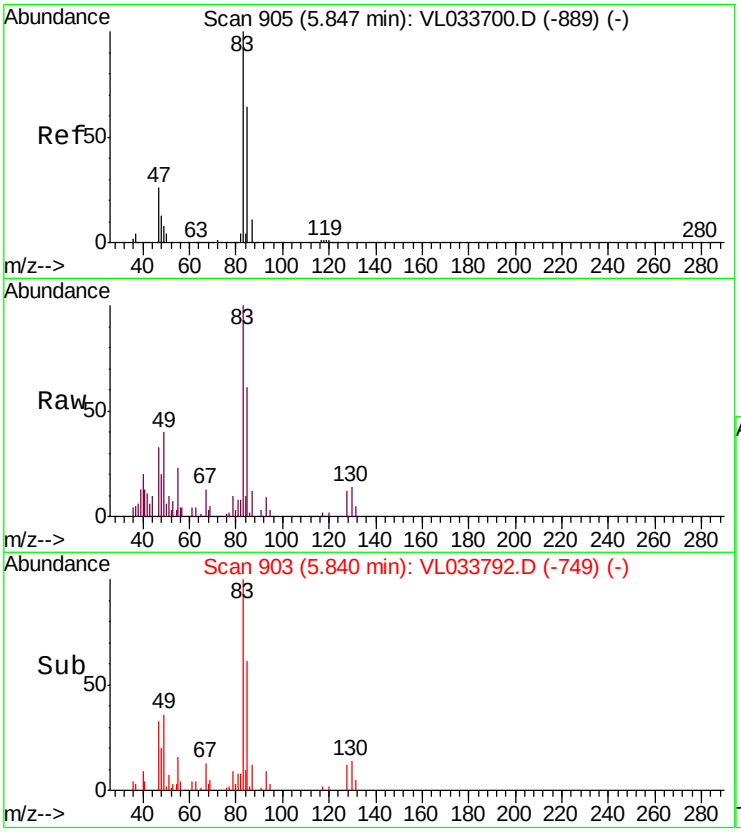


#27
Carbon Disulfide
Concen: 0.357 ppbv
RT: 4.62 min Scan# 523
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 76 Resp: 52917

Ion	Ratio	Lower	Upper
76	100		
44	26.9	13.8	20.8#
78	11.1	7.4	11.0#



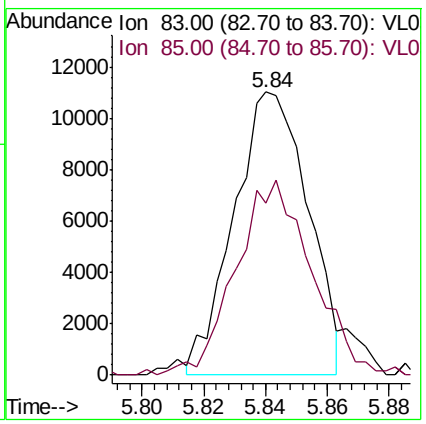


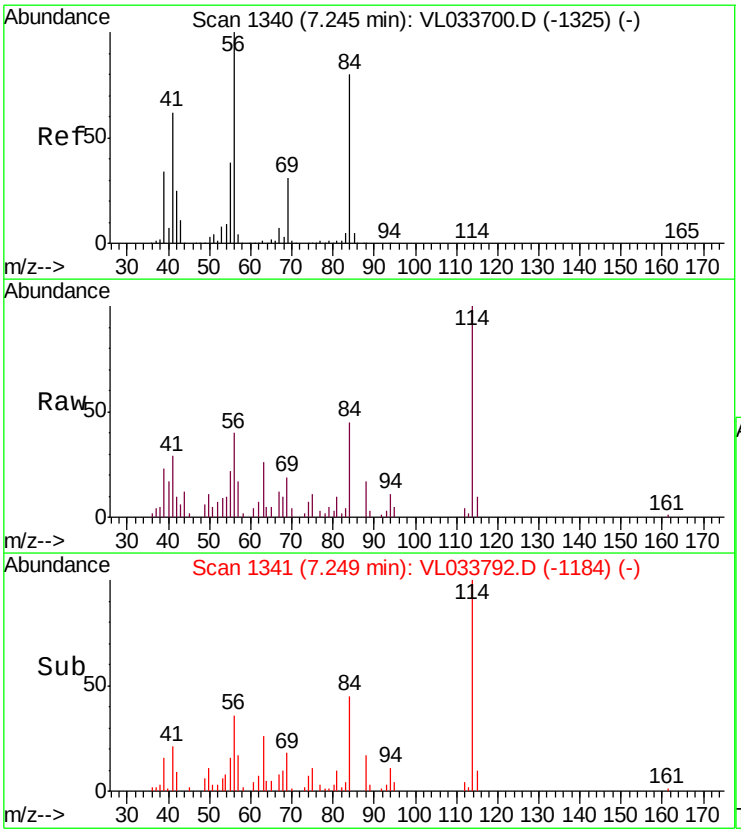
#29
Chloroform
Concen: 0.093 ppbv
RT: 5.84 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 83 Resp: 18411

Ion	Ratio	Lower	Upper
83	100		
85	58.2	51.5	77.3

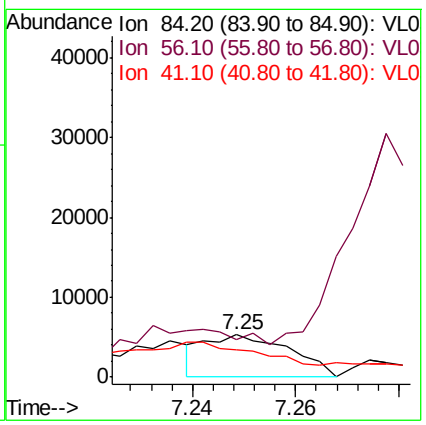


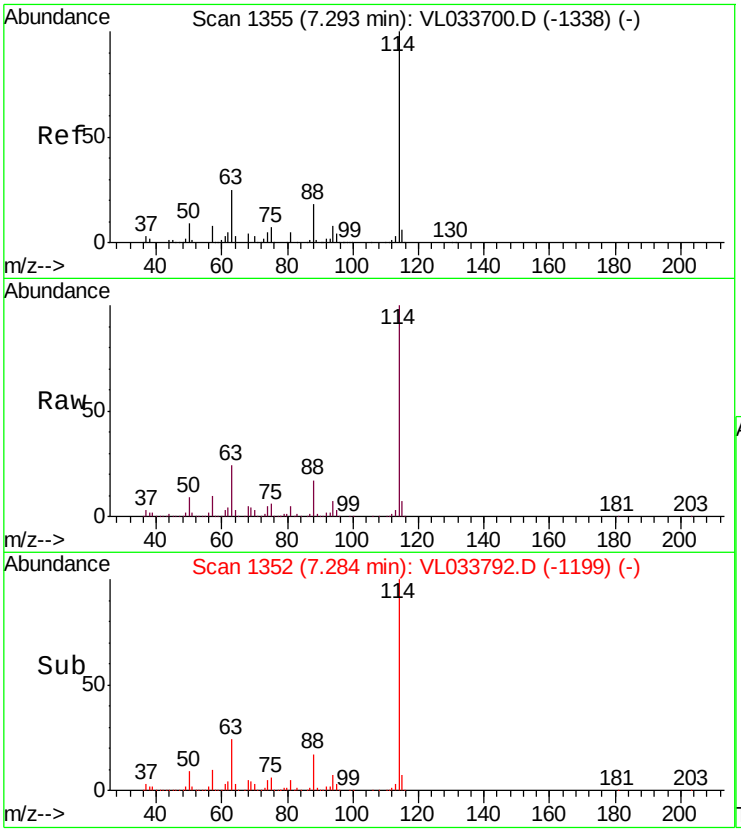


#30
Cyclohexane
Concen: 0.067 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 84 Resp: 6056

Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	216.4	66.0	99.0#



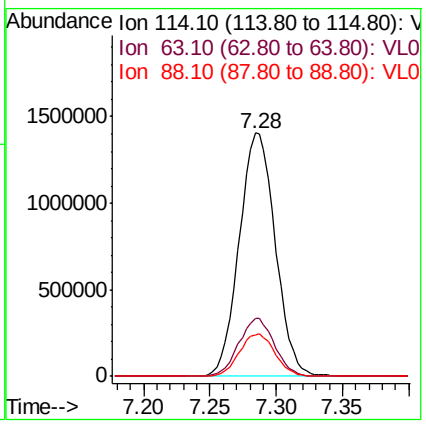


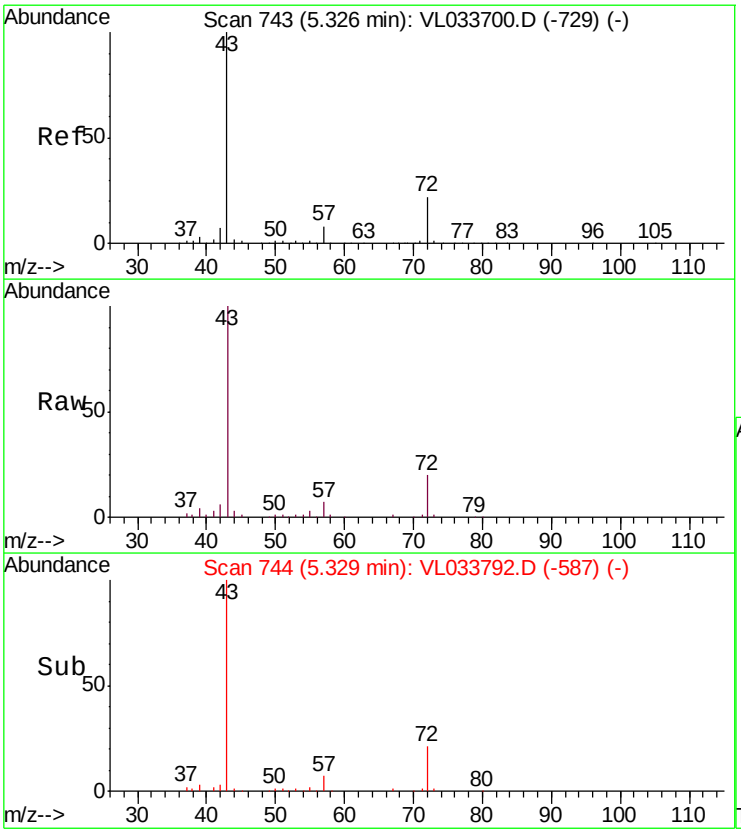
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion:114 Resp: 2654624

Ion	Ratio	Lower	Upper
114	100		
63	23.6	20.9	31.3
88	17.5	14.3	21.5

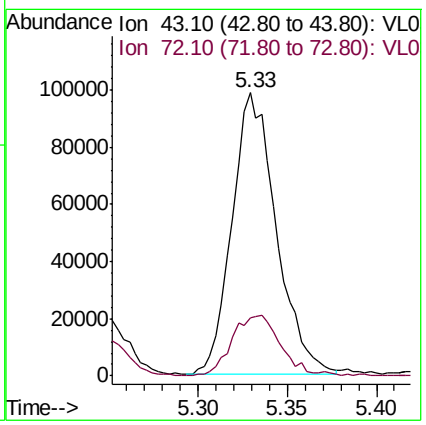


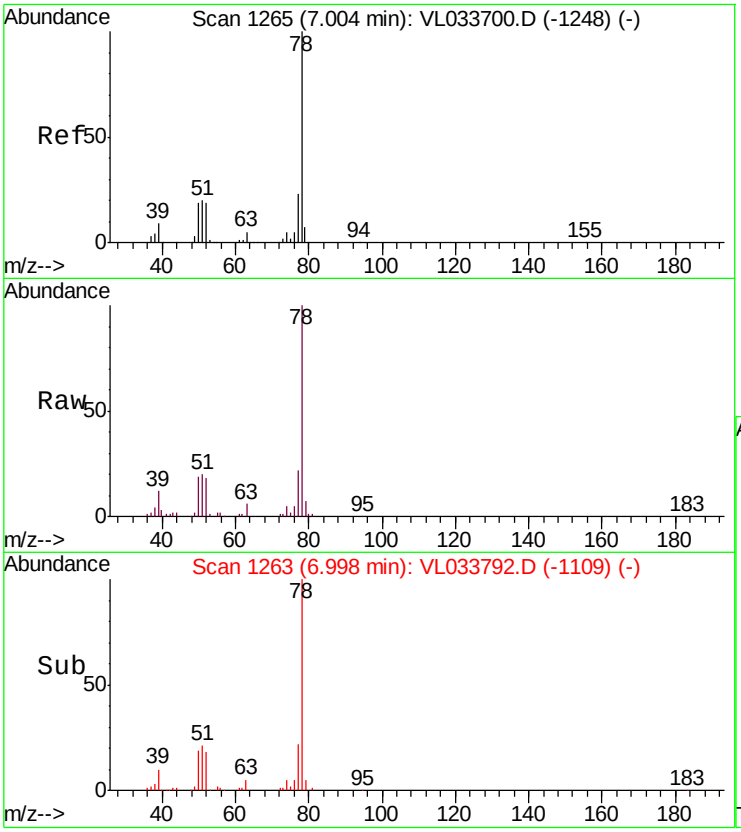


#34
2-Butanone
Concen: 1.035 ppbv
RT: 5.33 min Scan# 744
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 43 Resp: 170312

Ion	Ratio	Lower	Upper
43	100		
72	23.9	17.8	26.6



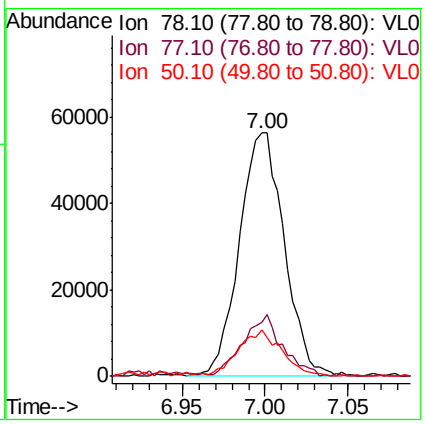


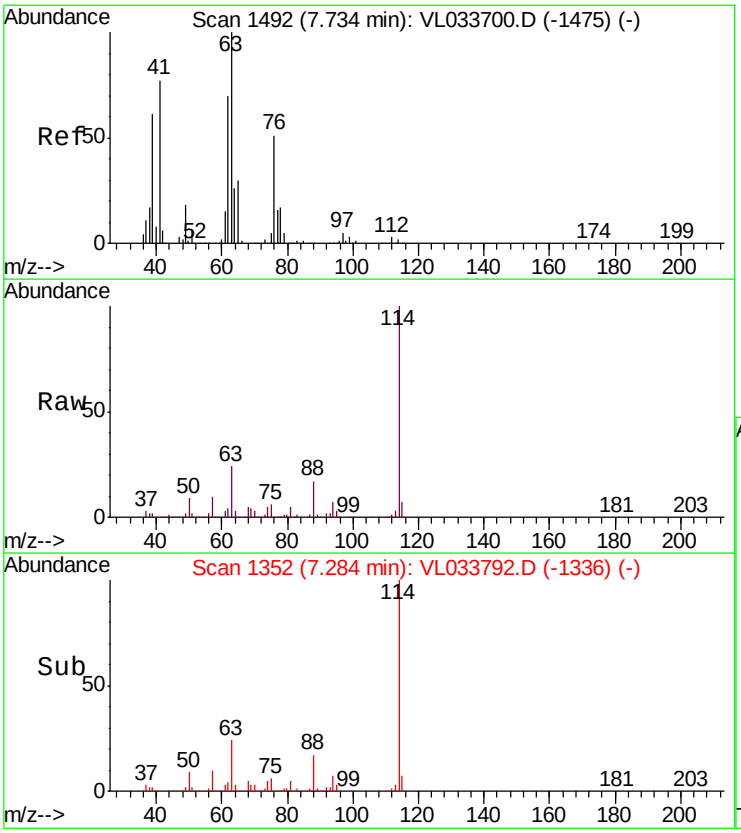
#36
Benzene
Concen: 0.440 ppbv
RT: 7.00 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 78 Resp: 106360

Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.4	27.6
50	19.3	15.5	23.3

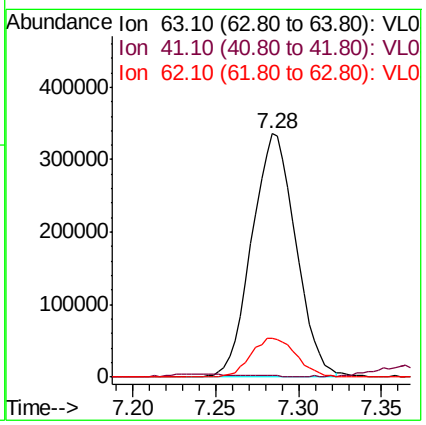


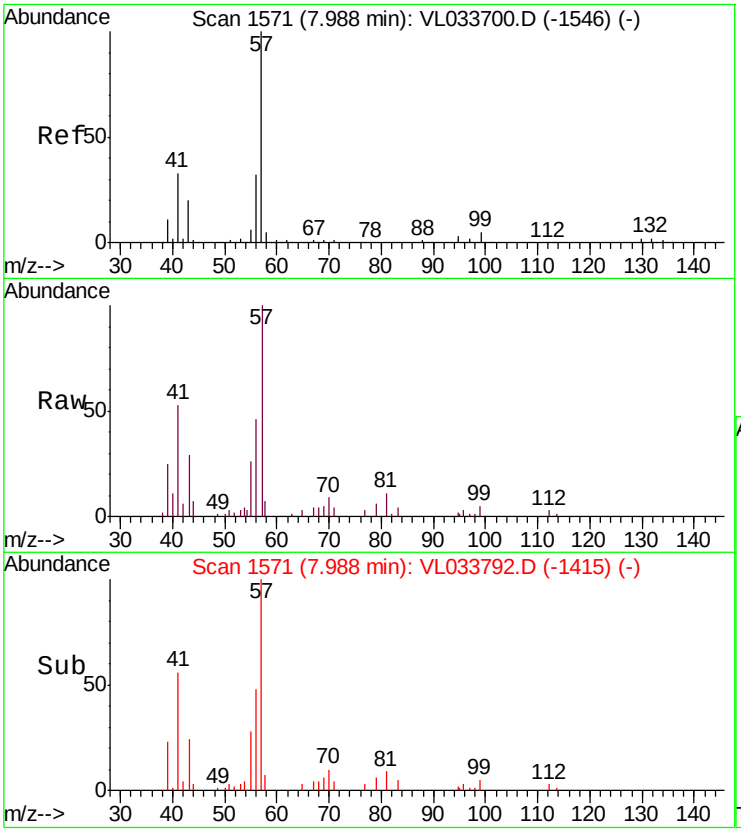


#39
1,2-Dichloropropane
Concen: 6.904 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.45 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 63 Resp: 621523

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.5	92.3#
62	16.1	56.2	84.4#



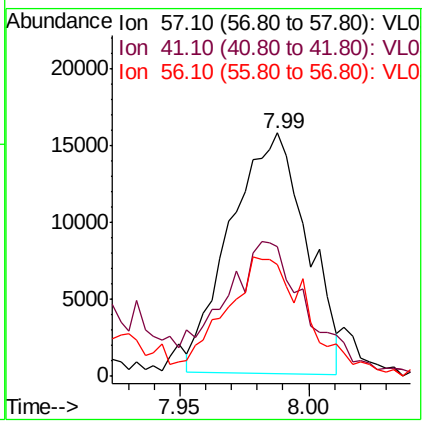


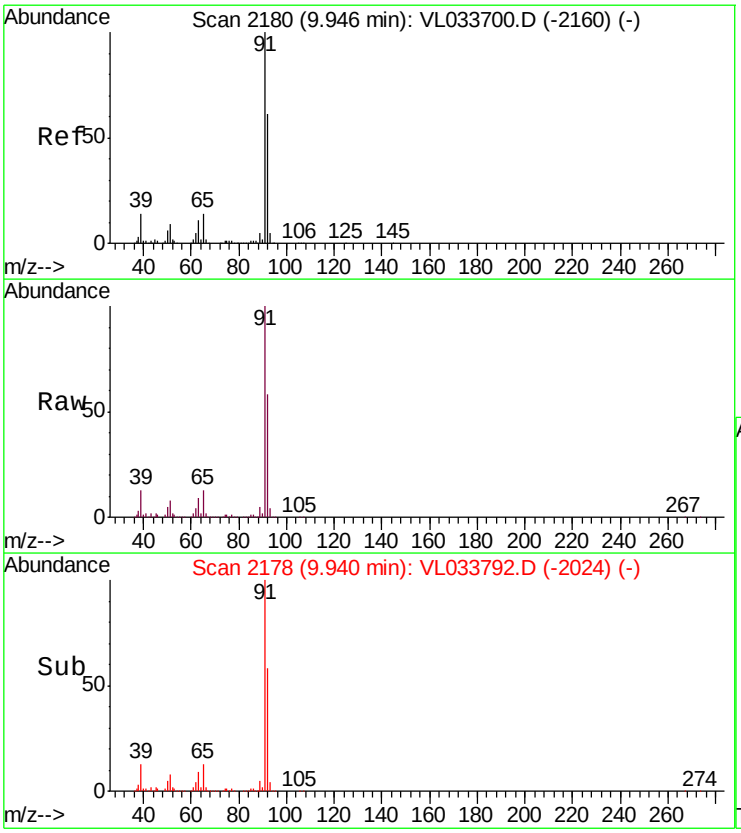
#44
2,2,4-Trimethylpentane
Concen: 0.079 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.00 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 57 Resp: 32359

Ion	Ratio	Lower	Upper
57	100		
41	60.9	25.4	38.0#
56	53.8	24.7	37.1#

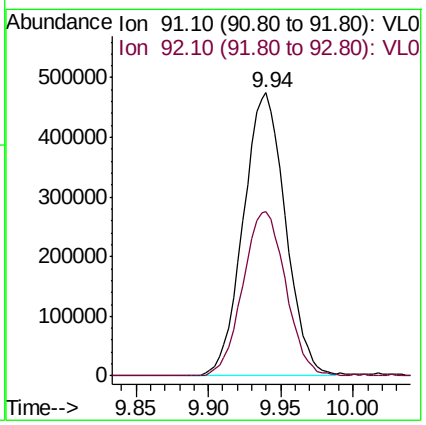


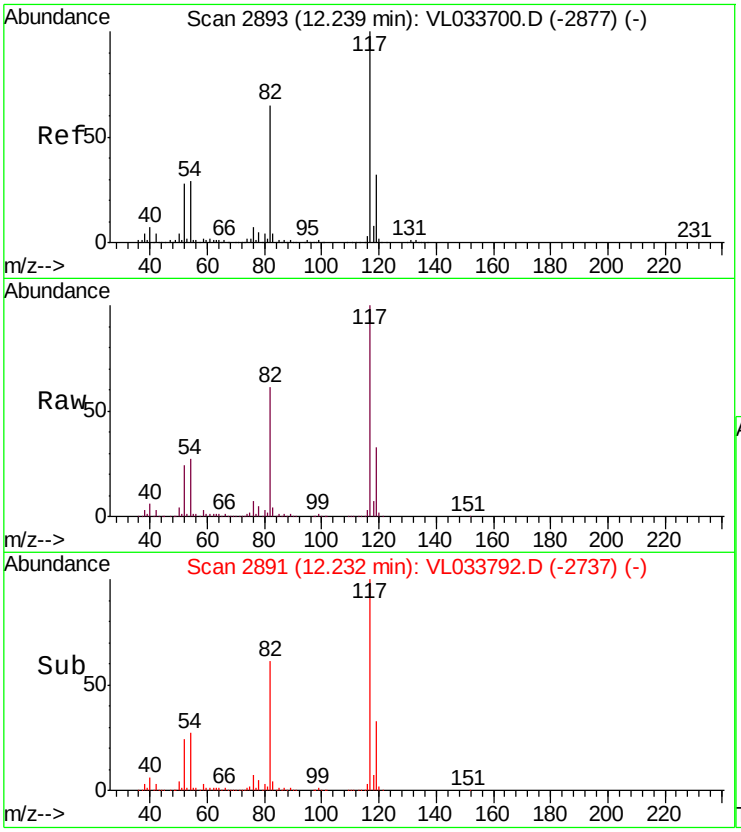


#53
Toluene
Concen: 3.683 ppbv
RT: 9.94 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 91 Resp: 959301

Ion	Ratio	Lower	Upper
91	100		
92	59.7	47.6	71.4



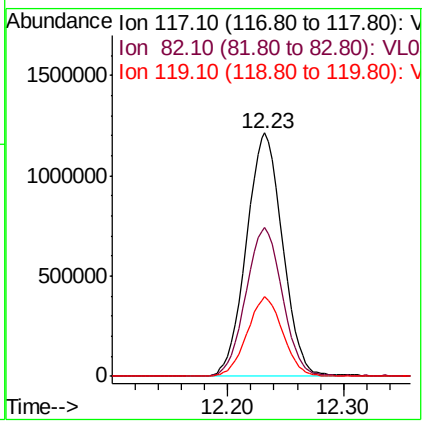


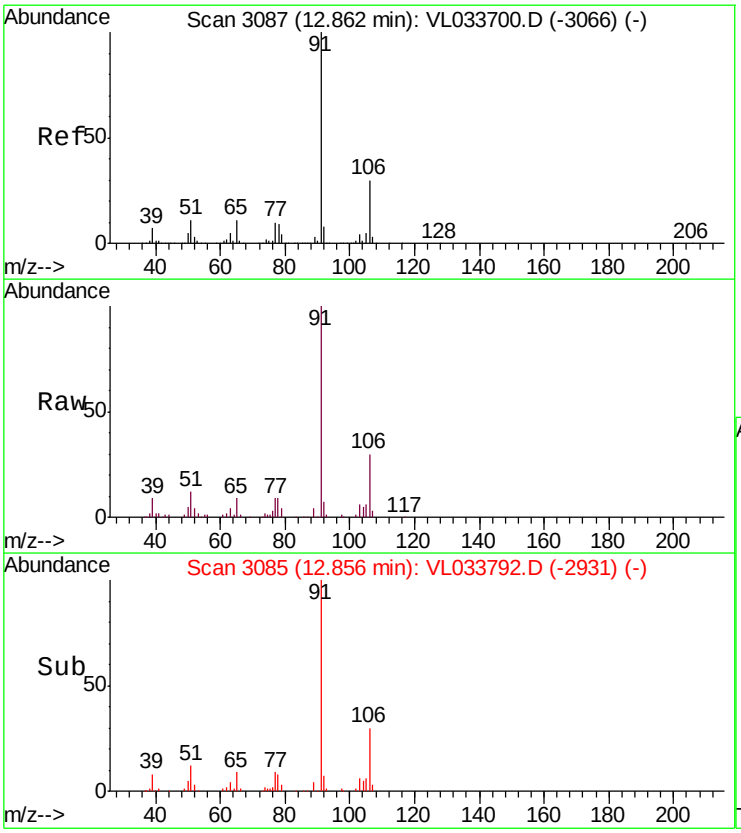
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion:117 Resp: 2632514

Ion	Ratio	Lower	Upper
117	100		
82	62.4	49.4	74.0
119	32.4	24.9	37.3

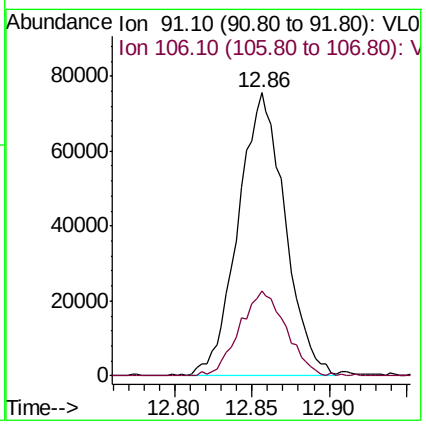


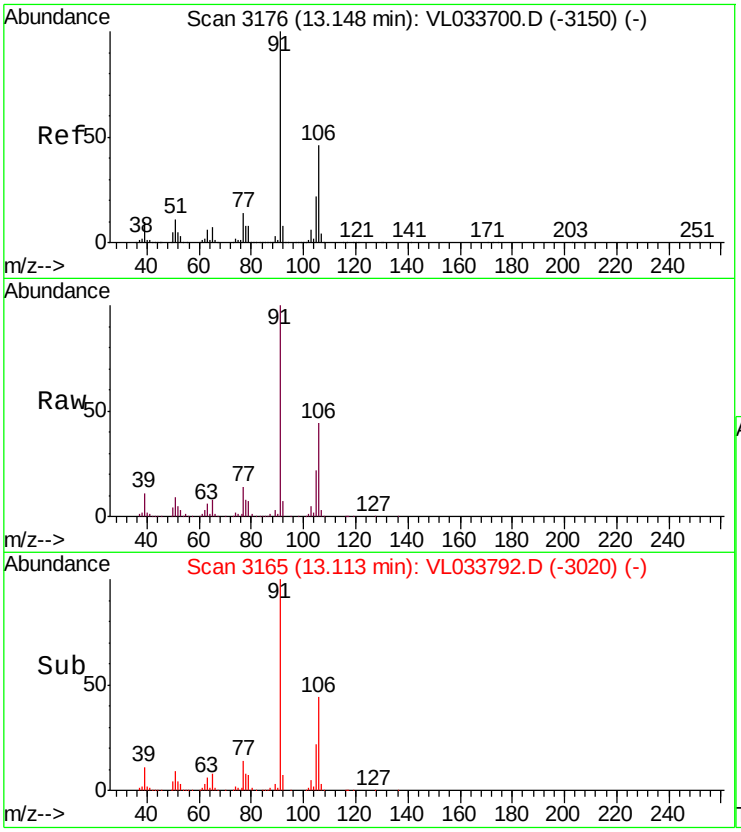


#58
Ethyl Benzene
Concen: 0.452 ppbv
RT: 12.86 min Scan# 3085
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 91 Resp: 157631

Ion	Ratio	Lower	Upper
91	100		
106	33.0	23.9	35.9



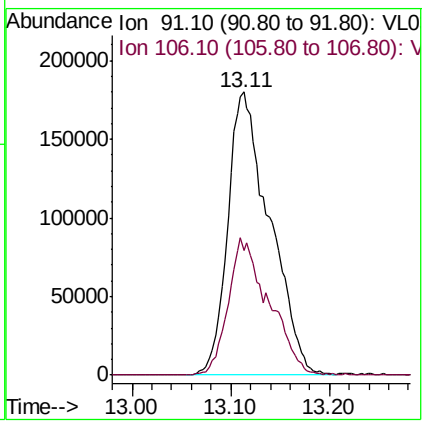


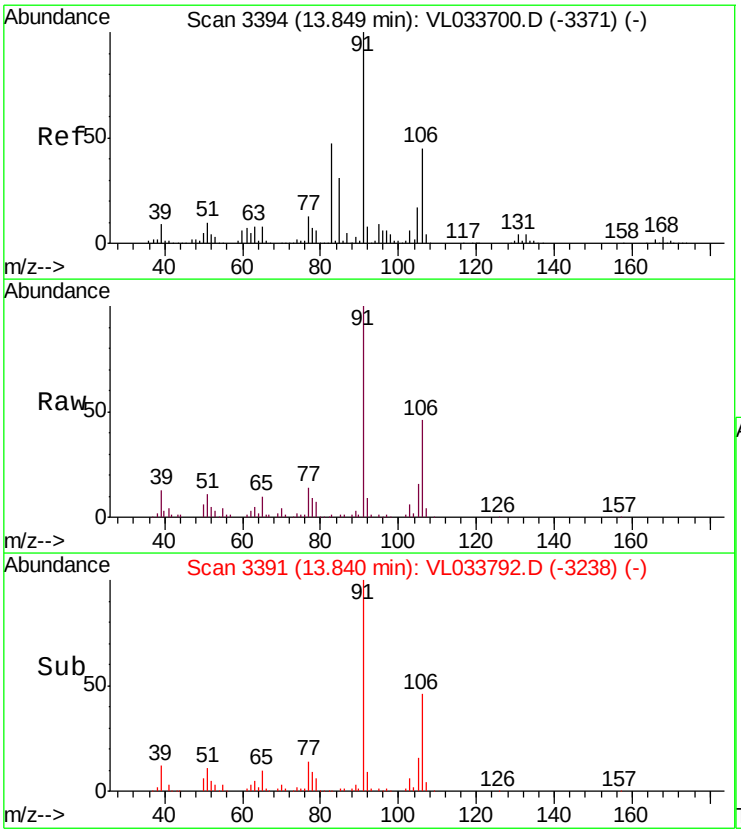
#59
m/p-Xylene
Concen: 1.749 ppbv
RT: 13.11 min Scan# 3165
Delta R.T. -0.04 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion: 91 Resp: 532937

Ion	Ratio	Lower	Upper
91	100		
106	46.7	35.8	53.6

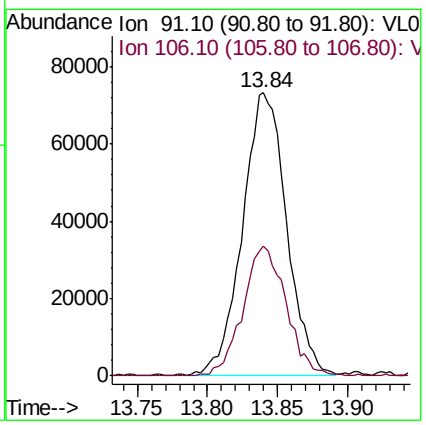


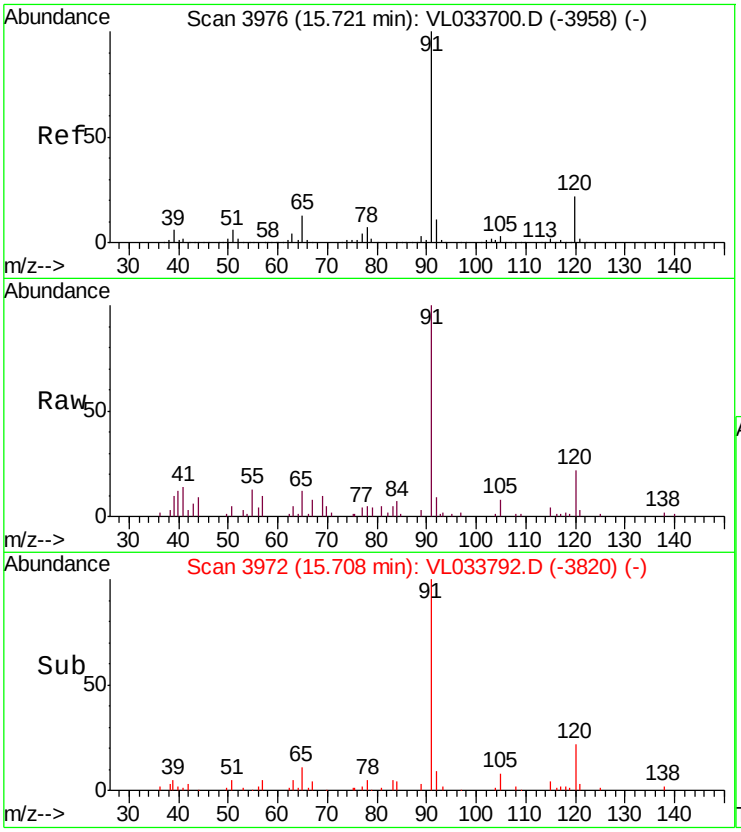


#60
o-Xylene
Concen: 0.519 ppbv
RT: 13.84 min Scan# 3391
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 91 Resp: 159406

Ion	Ratio	Lower	Upper
91	100		
106	45.4	21.6	64.8



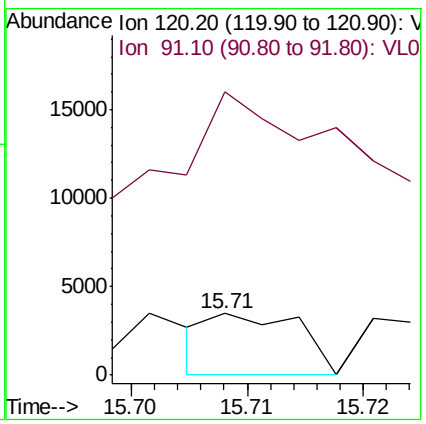


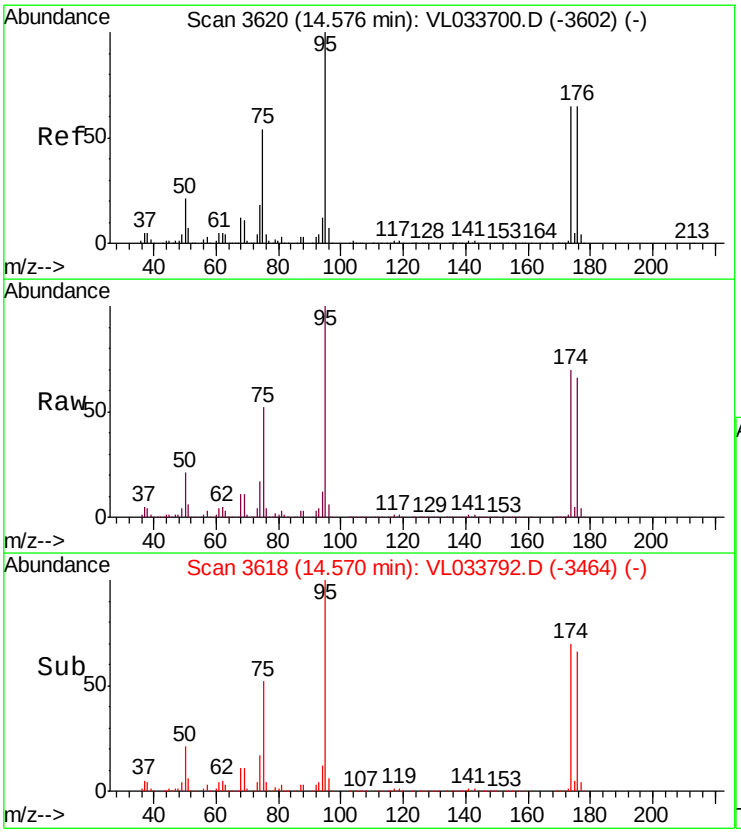
#64
n-propylbenzene
Concen: 0.017 ppbv
RT: 15.71 min Scan# 3972
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion:120 Resp: 1854

Ion	Ratio	Lower	Upper
120	100		
91	1917.7	379.1	568.7#

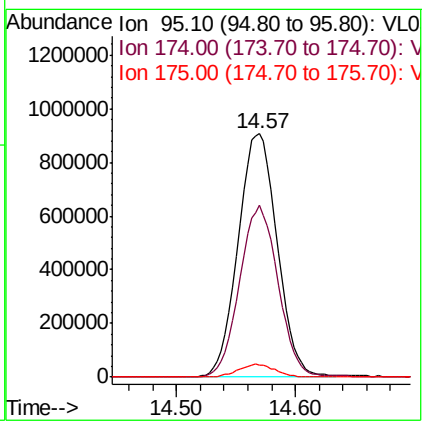


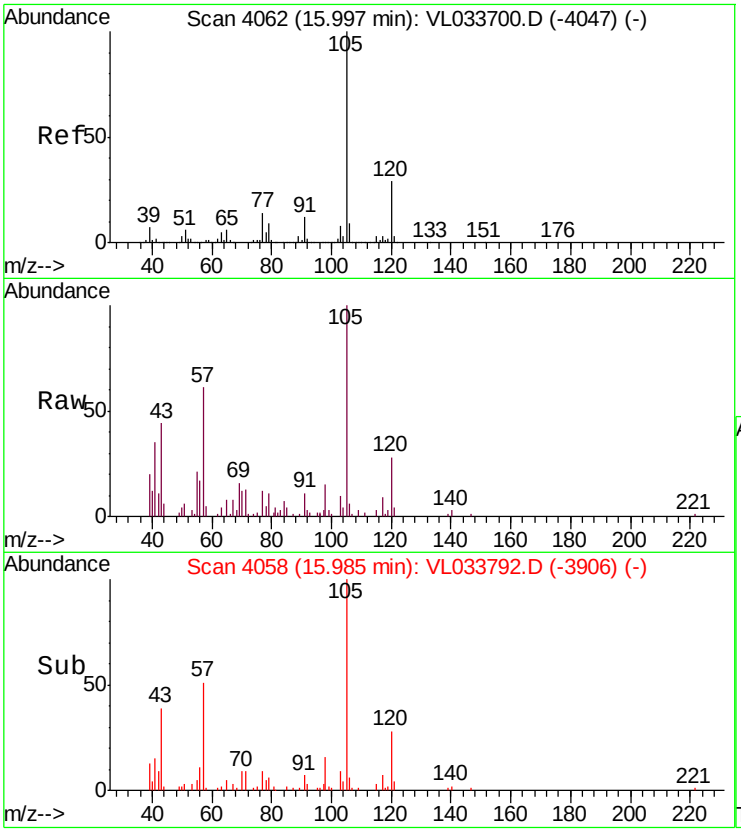


#68
1-Bromo-4-Fluorobenzene
Concen: 9.671 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion: 95 Resp: 2063994

Ion	Ratio	Lower	Upper
95	100		
174	69.7	53.9	80.9
175	5.0	3.8	5.8



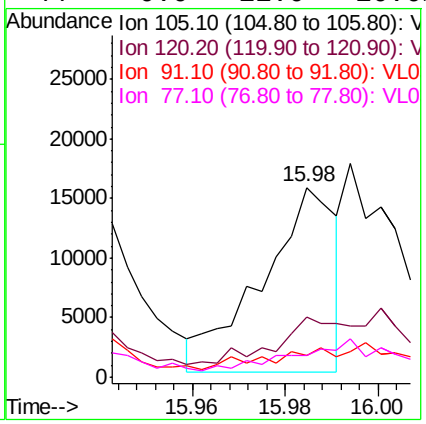


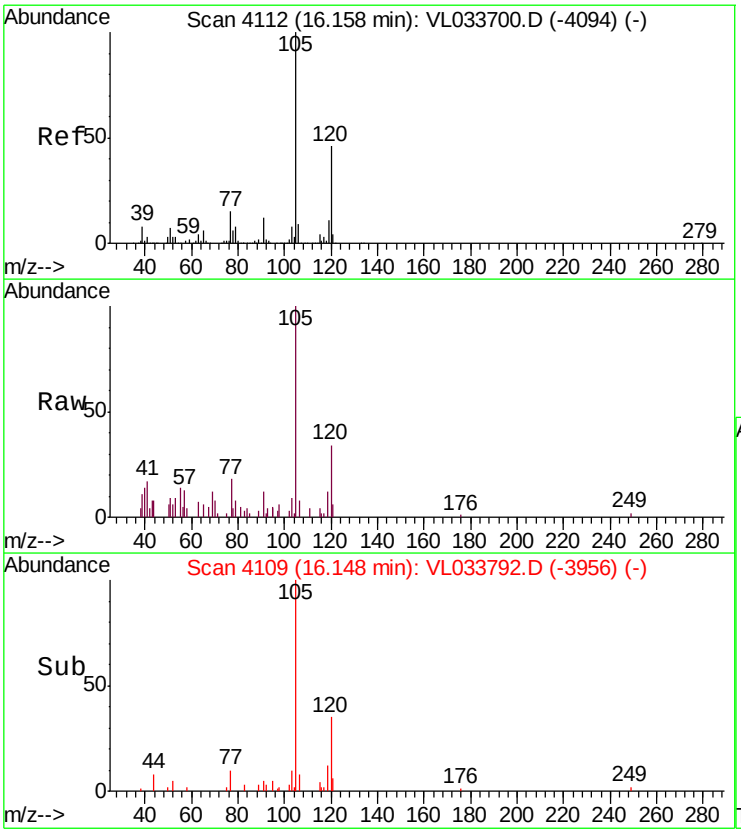
#72
4-Ethyltoluene
Concen: 0.049 ppbv
RT: 15.98 min Scan# 4058
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument : MSVOA_L
ClientSampleId : BPS1-SG-3009-55DL

Tgt Ion:105 Resp: 17047

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#

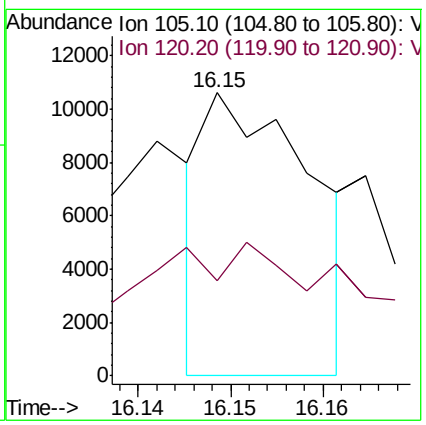


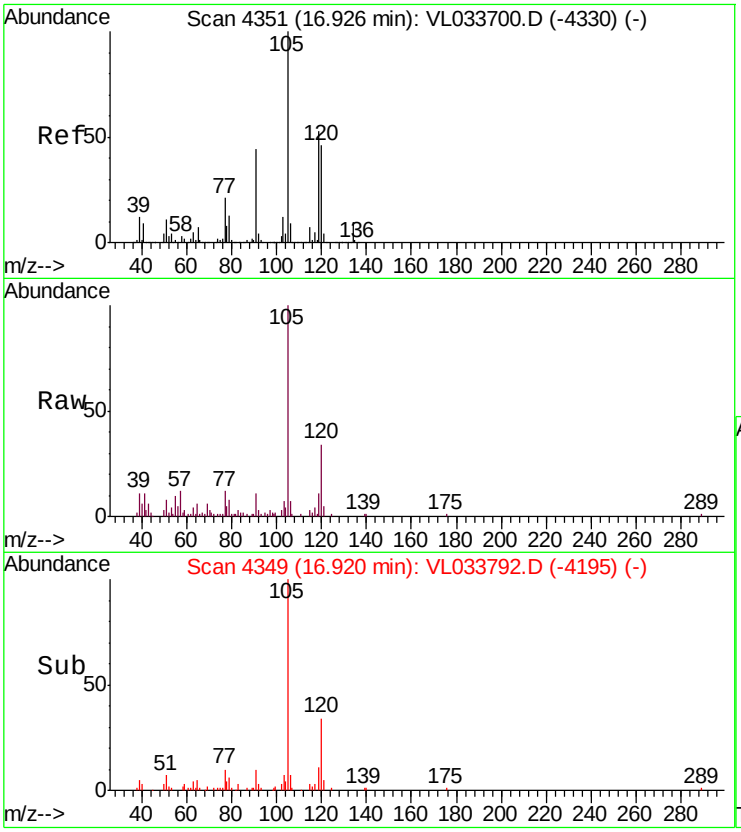


#73
1,3,5-Trimethylbenzene
Concen: 0.025 ppbv
RT: 16.15 min Scan# 4109
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Tgt Ion:105 Resp: 8431

Ion	Ratio	Lower	Upper
105	100		
120	0.0	37.0	55.4#





#74
1,2,4-Trimethylbenzene
Concen: 0.234 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. -0.01 min
Lab File: VL033792.D
Acq: 24 May 2019 3:22

Instrument :
MSVOA_L
ClientSampleId :
BPS1-SG-3009-55DL

Tgt Ion:105 Resp: 87372

Ion	Ratio	Lower	Upper
105	100		
120	33.7	36.8	55.2#
91	11.1	35.4	53.0#
77	9.8	16.8	25.2#