Quantitation Report (QT Reviewed)

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062220\
Data File : VL035109.D
Acq On : 22 Jun 2020 13:40
Operator : SY/AP
Sample : L3075-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument : MSVOA_L
ClientSampleId : EXHAUST-01

Manual Integrations APPROVED
MMDadoda
6/23/2020 10:59:14 AM

Quant Time: Jun 22 14:23:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun 2
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) Bromochloromethane	5.69	49	1265851	10.00	ppbv		0.04
33) 1,4-Difluorobenzene	7.20	114	2914208	10.00	ppbv		0.03
55) Chlorobenzene-d5	12.12	117	2734493	10.00	ppbv		0.01
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene	14.46	95	2326562	10.24	ppbv		0.00
Spiked Amount 10.000	Range 65 - 135		Recovery = 102.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	3.01	85	28574m	0.167	ppbv		
3) Chlorodifluoromethane	2.95	51	62619	0.448	ppbv	#	90
4) Chloromethane	3.10	50	52199m	0.666	ppbv		
9) Propene	2.97	41	1114260	20.123	ppbv		97
10) Heptane	8.16	43	33379m	0.233	ppbv		
11) Trichlorofluoromethane	3.92	101	41041	0.225	ppbv		85
13) Ethanol	3.58	45	1190095	56.893	ppbv		99
15) Acetone	3.82	43	2879239	18.813	ppbv		96
17) tert-Butyl alcohol	4.29	59	232684	1.716	ppbv		96
19) Isopropyl Alcohol	3.95	45	1271503	12.795	ppbv	#	1
20) Methylene Chloride	4.32	84	2223117	35.891	ppbv		92
26) Hexane	5.71	57	1539608	12.364	ppbv	#	40
27) Carbon Disulfide	4.58	76	54365739	421.866	ppbv	#	1
29) Chloroform	5.78	83	123968	0.636	ppbv	#	71
31) cis-1,2-Dichloroethene	5.57	61	52342m	0.456	ppbv		
34) 2-Butanone	5.26	43	366398	2.189	ppbv		99
35) Carbon Tetrachloride	7.05	117	15834m	0.091	ppbv		
36) Benzene	6.93	78	575027	2.548	ppbv		97
37) 1,2-Dichloroethane	6.33	62	156907	1.100	ppbv		99
38) Trichloroethene	7.87	130	6149m	0.070	ppbv		
41) Tetrahydrofuran	6.09	42	47844m	0.560	ppbv		
47) 1,1,2-Trichloroethane	9.50	97	135970m	1.412	ppbv		
53) Toluene	9.83	91	341562	1.419	ppbv		99
58) Ethyl Benzene	12.74	91	304192m	0.990	ppbv		
59) m/p-Xylene	13.00	91	899751	3.304	ppbv		100
60) o-Xylene	13.73	91	587077	2.166	ppbv		99
61) Styrene	13.56	104	448521	2.629	ppbv		100
73) 1,3,5-Trimethylbenzene	16.03	105	52112m	0.183	ppbv		
74) 1,2,4-Trimethylbenzene	16.80	105	125203	0.394	ppbv	#	60
79) Naphthalene	22.28	128	33346m	0.120	ppbv		
80) Naphthalene,2-methyl-	25.02	142	12368	0.116	ppbv	#	84

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

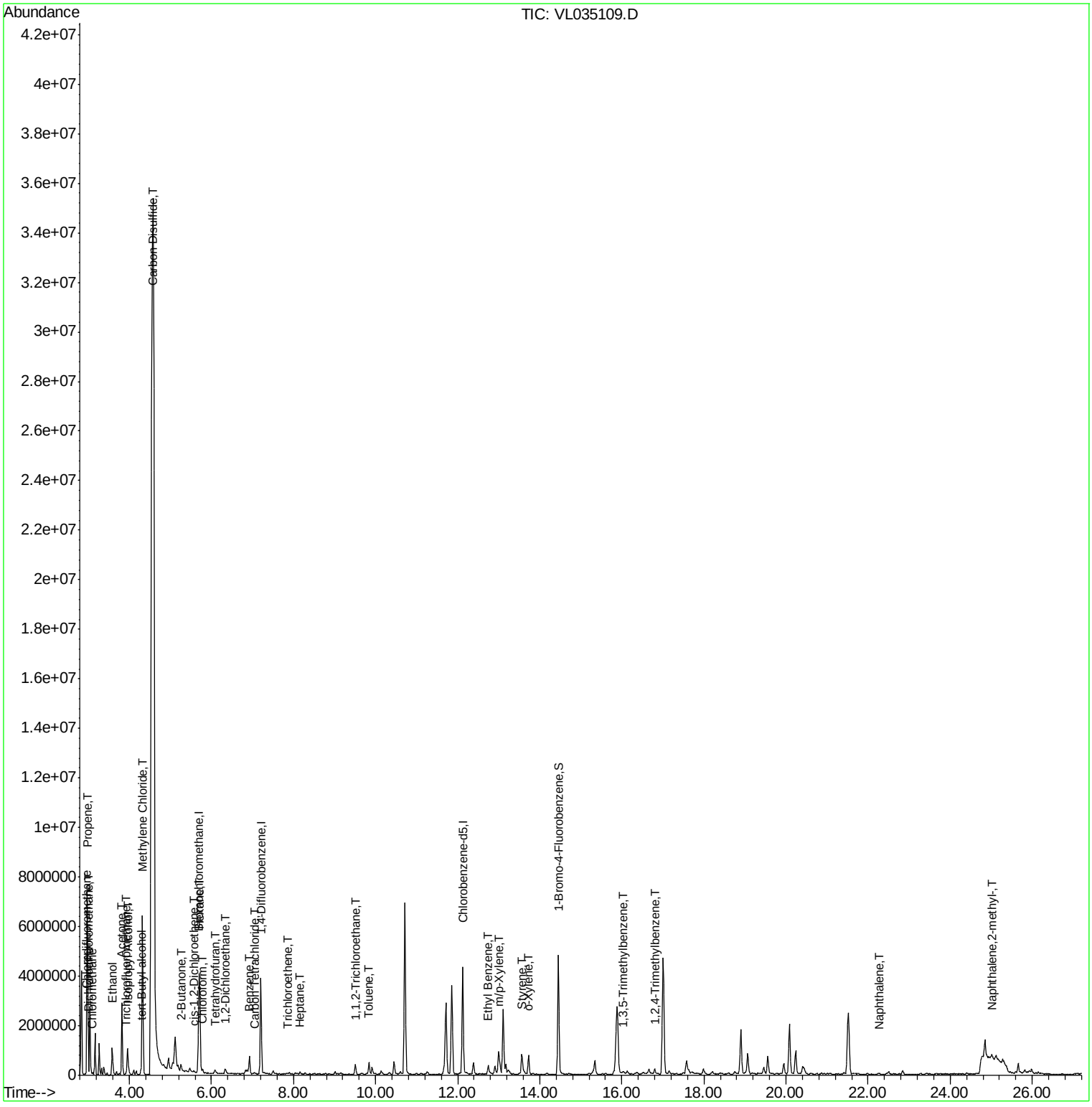
Quantitation Report (QT Reviewed)

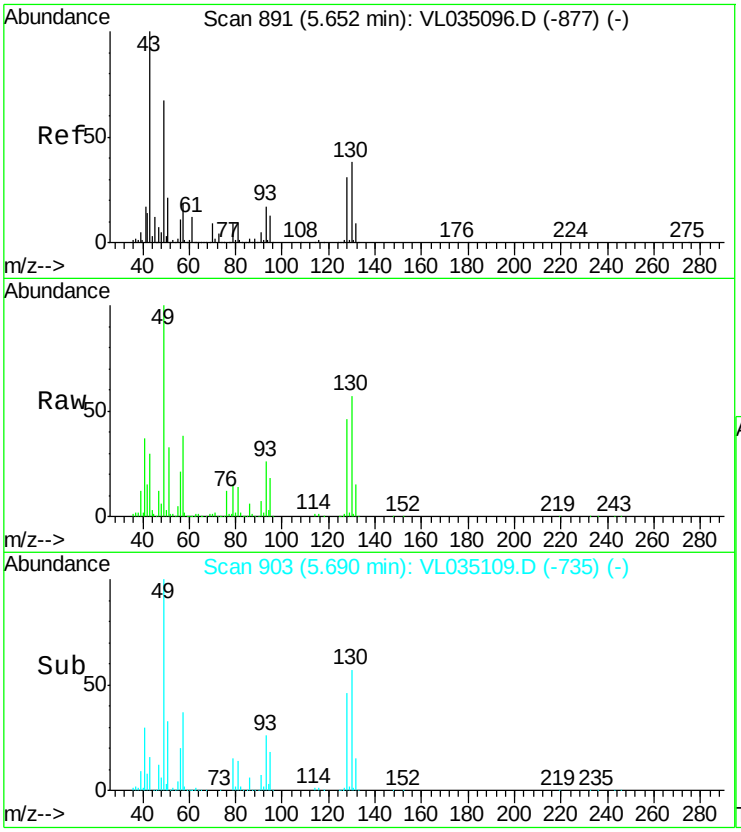
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062220\
Data File : VL035109.D
Acq On : 22 Jun 2020 13:40
Operator : SY/AP
Sample : L3075-02
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 22 14:23:03 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LSat Jun
QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
MMDadoda
6/23/2020 10:59:14 AM

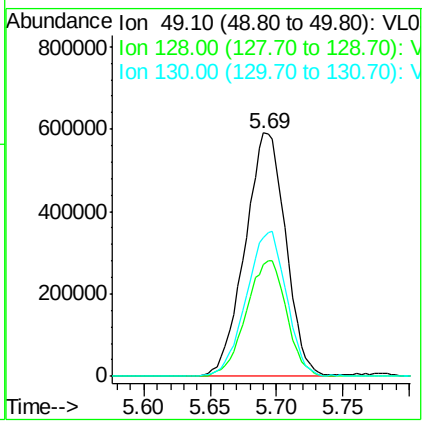




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 49 Resp: 1265851

Ion	Ratio	Lower	Upper
49	100		
128	47.1	22.9	68.5
130	58.7	29.0	87.0



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
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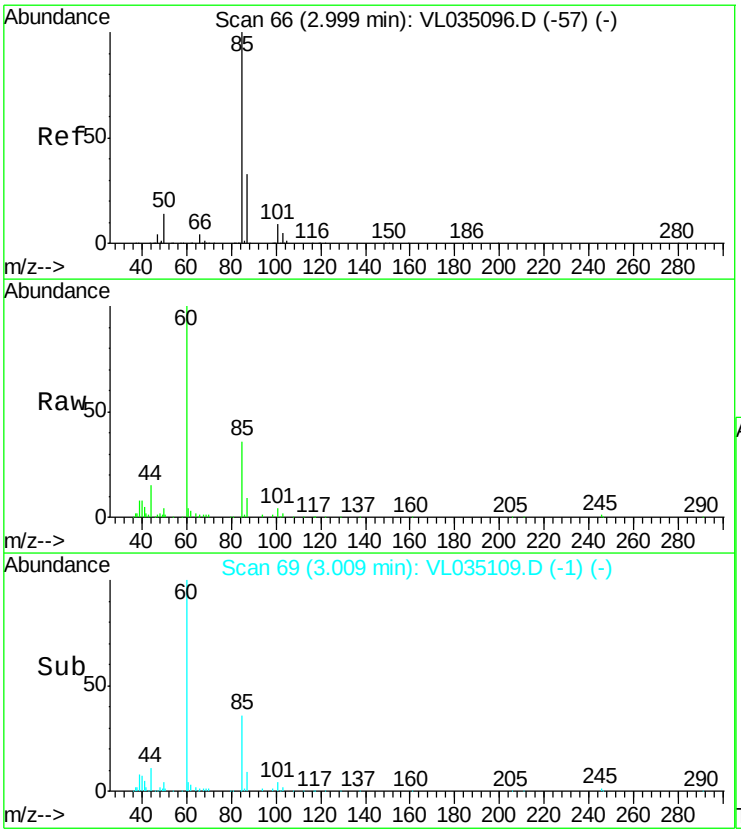
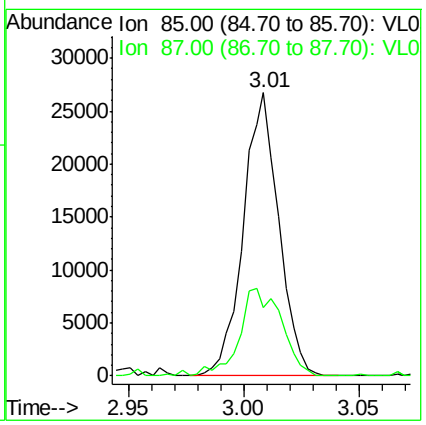
6/23/2020 10:59:14 AM

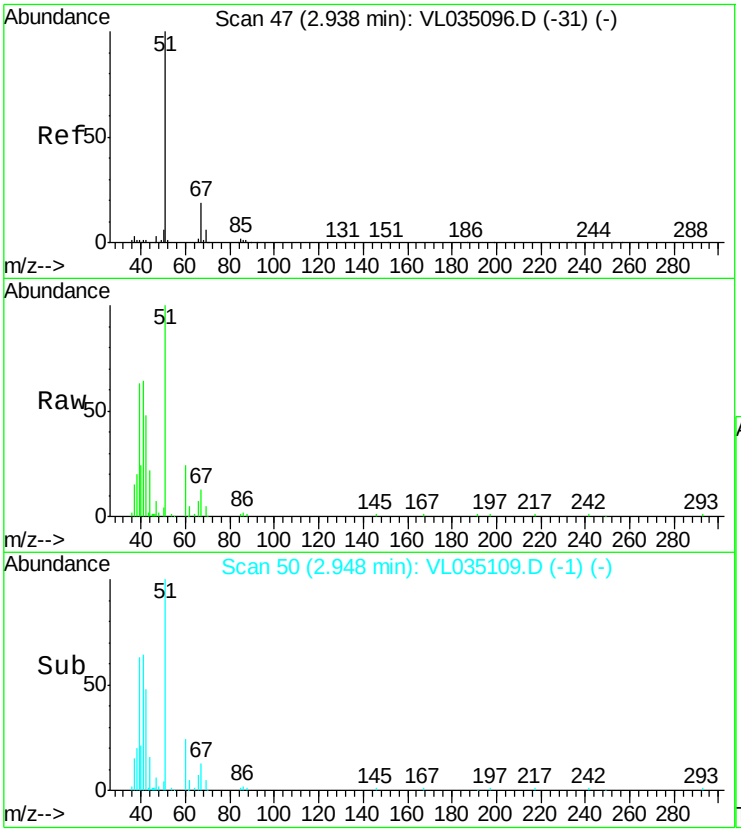


#2
Dichlorodifluoromethane
Concen: 0.167 ppbv m
RT: 3.01 min Scan# 69
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 85 Resp: 28574

Ion	Ratio	Lower	Upper
85	100		
87	23.9	26.1	39.1#

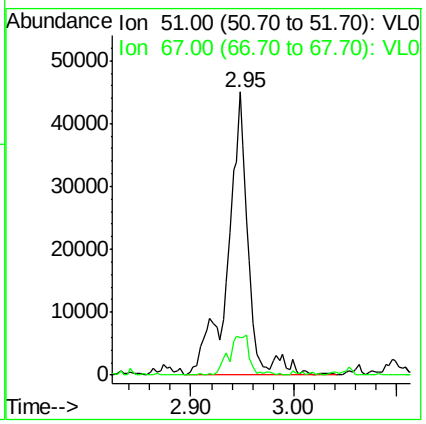




#3
Chlorodifluoromethane
Concen: 0.448 ppbv
RT: 2.95 min Scan# 50
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 51 Resp: 62619

Ion	Ratio	Lower	Upper
51	100		
67	14.5	15.2	22.8#



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
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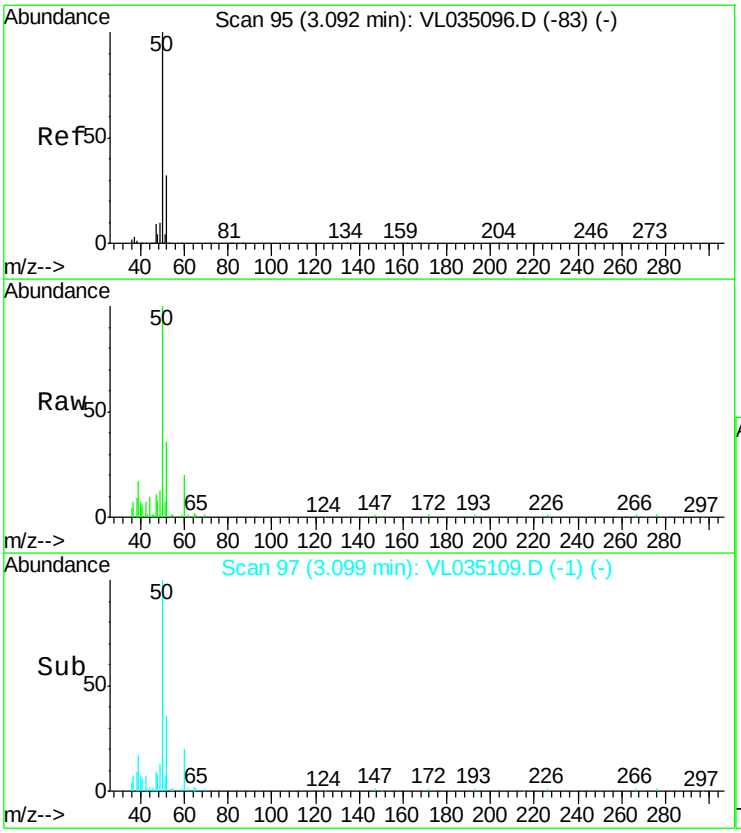
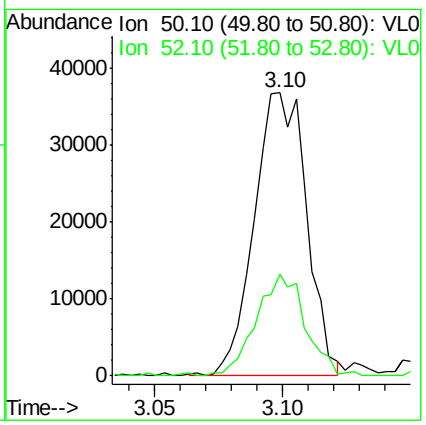
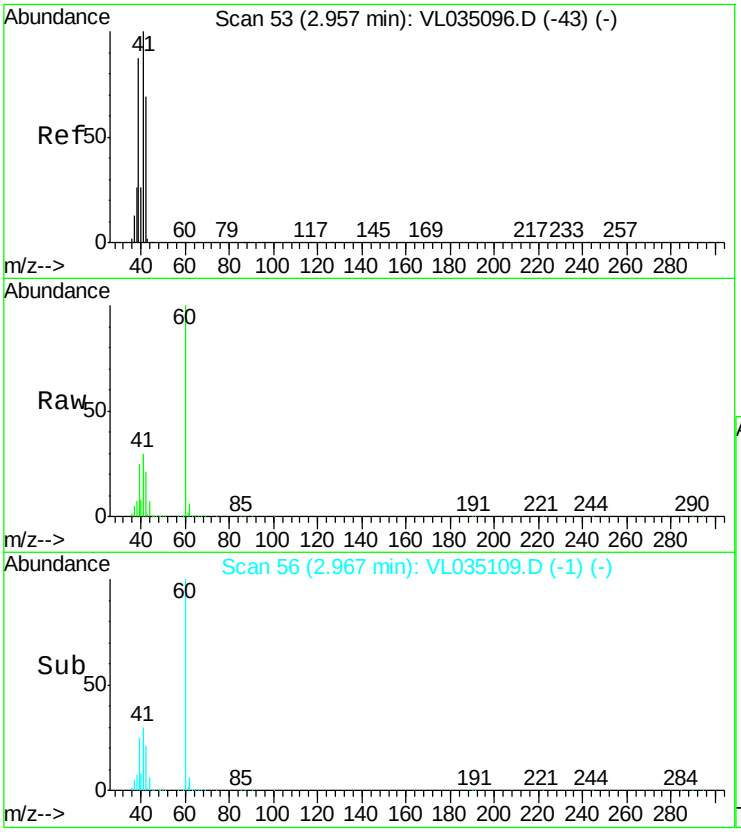


#4
Chloromethane
Concen: 0.666 ppbv m
RT: 3.10 min Scan# 97
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 50 Resp: 52199

Ion	Ratio	Lower	Upper
50	100		
52	35.7	25.4	38.0

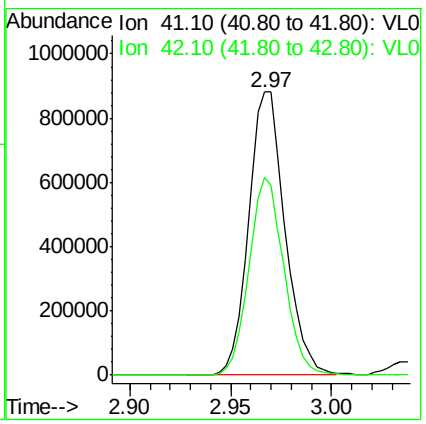




#9
Propene
Concen: 20.123 ppbv
RT: 2.97 min Scan# 56
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 41 Resp: 1114260

Ion	Ratio	Lower	Upper
41	100		
42	67.2	55.8	83.6



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
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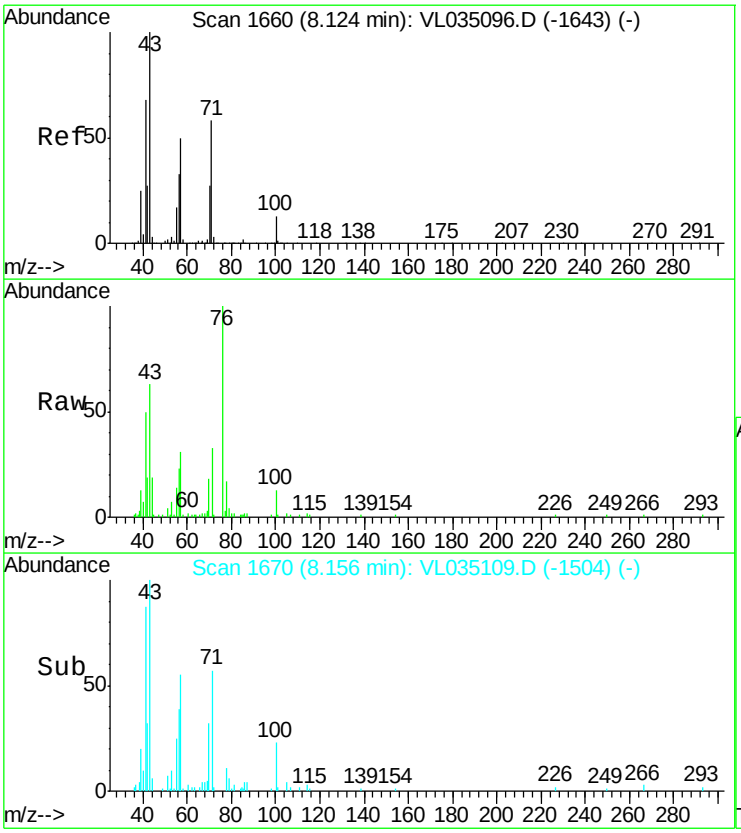
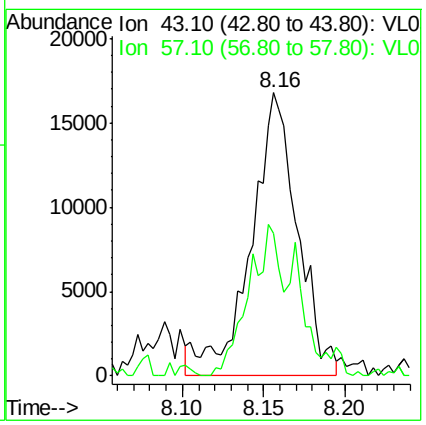
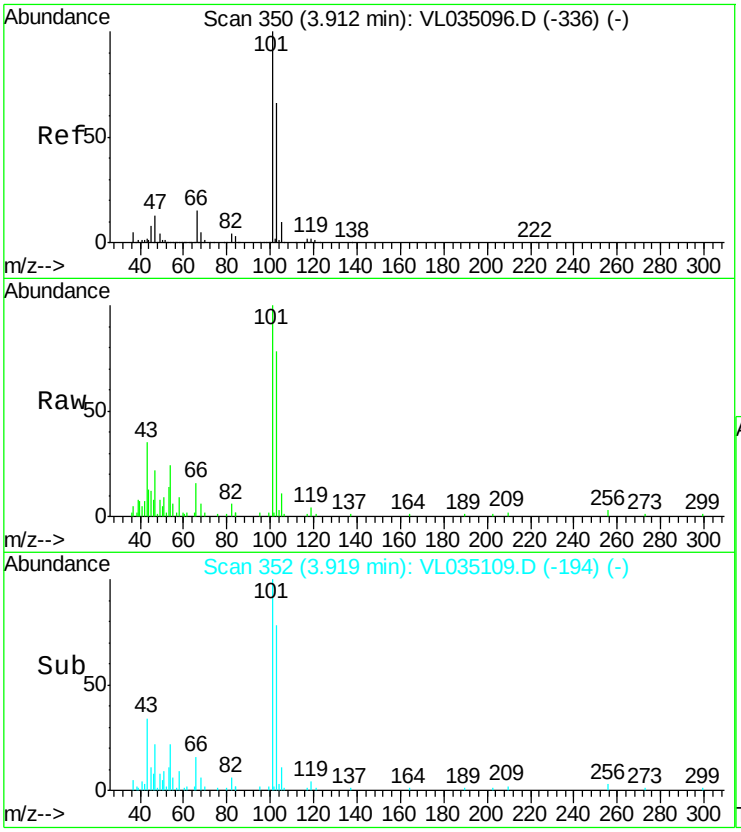


#10
Heptane
Concen: 0.233 ppbv m
RT: 8.16 min Scan# 1670
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 43 Resp: 33379

Ion	Ratio	Lower	Upper
43	100		
57	0.0	41.9	62.9#

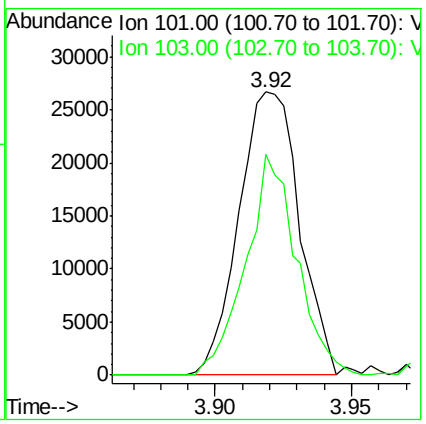




#11
Trichlorofluoromethane
Concen: 0.225 ppbv
RT: 3.92 min Scan# 352
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:101 Resp: 41041

Ion	Ratio	Lower	Upper
101	100		
103	77.8	52.6	79.0



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
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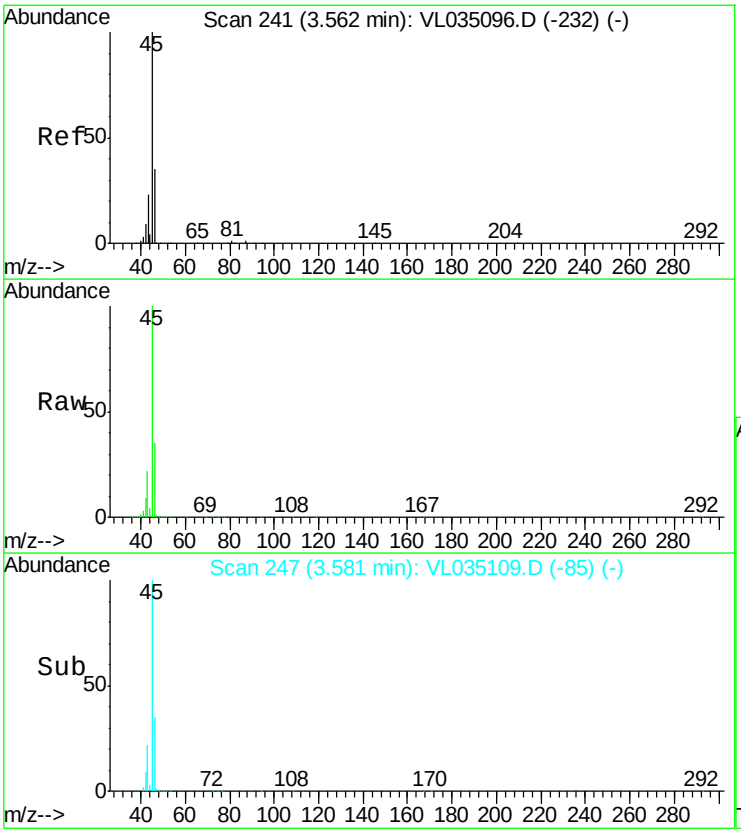
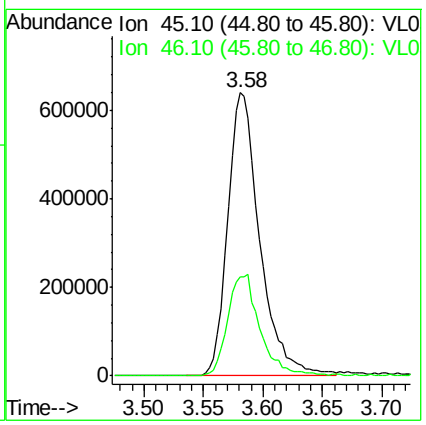
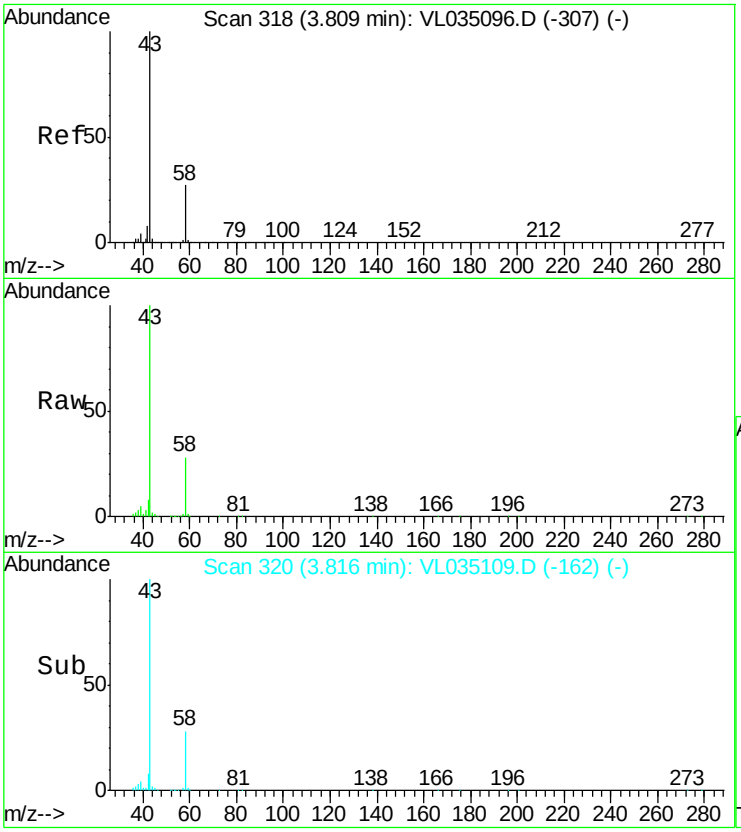


#13
Ethanol
Concen: 56.893 ppbv
RT: 3.58 min Scan# 247
Delta R.T. 0.02 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 45 Resp: 1190095

Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.2	57.0

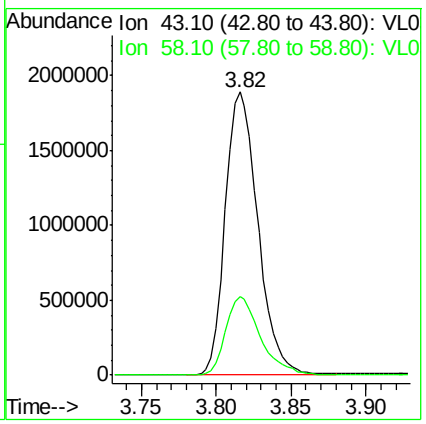




#15
Acetone
Concen: 18.813 ppbv
RT: 3.82 min Scan# 320
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 43 Resp: 2879239

Ion	Ratio	Lower	Upper
43	100		
58	29.4	21.8	32.6



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

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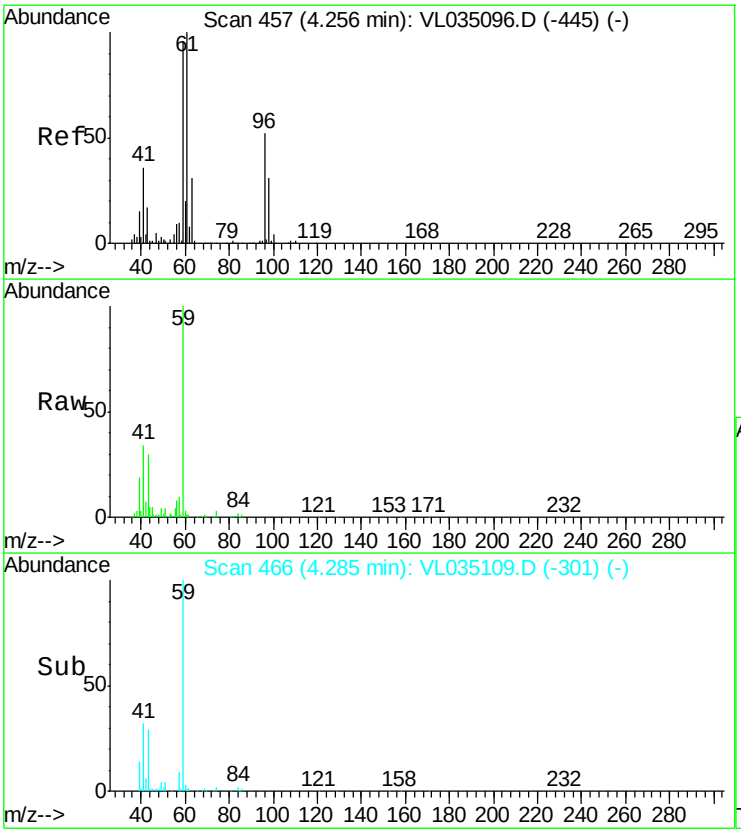
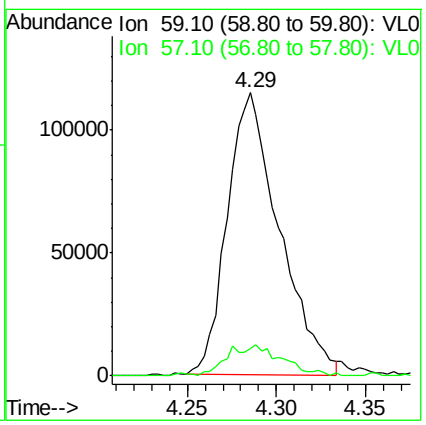
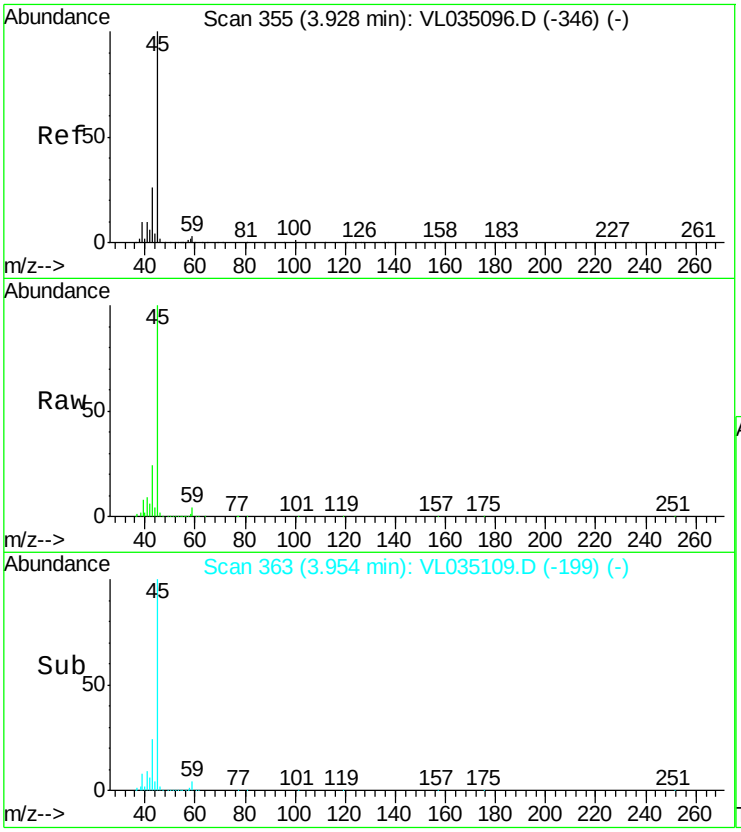


#17
tert-Butyl alcohol
Concen: 1.716 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 59 Resp: 232684

Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.6	12.8

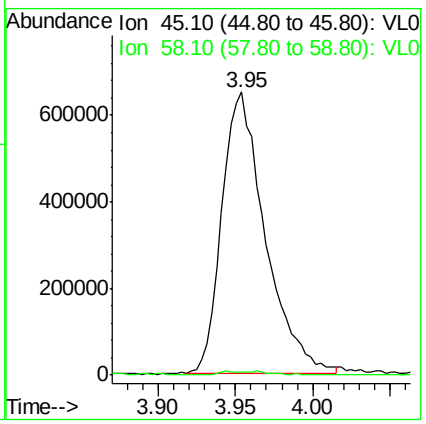




#19
Isopropyl Alcohol
Concen: 12.795 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 45 Resp: 1271503

Ion	Ratio	Lower	Upper
45	100		
58	66.9	1.8	2.8#



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
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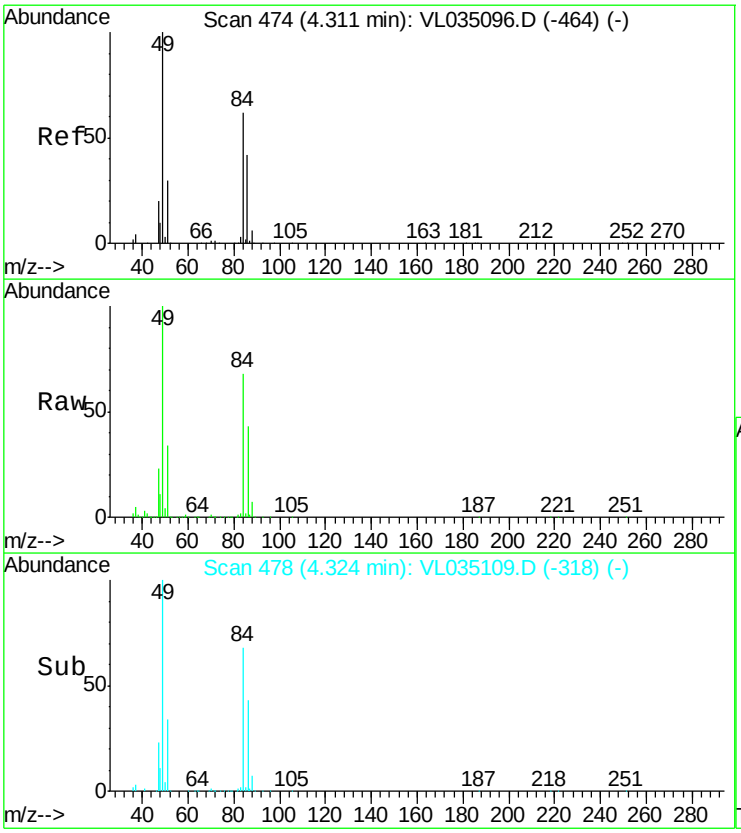
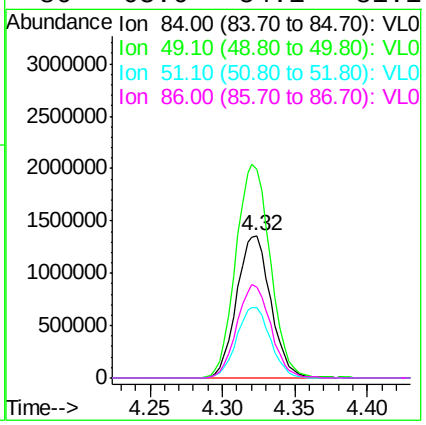
6/23/2020 10:59:14 AM

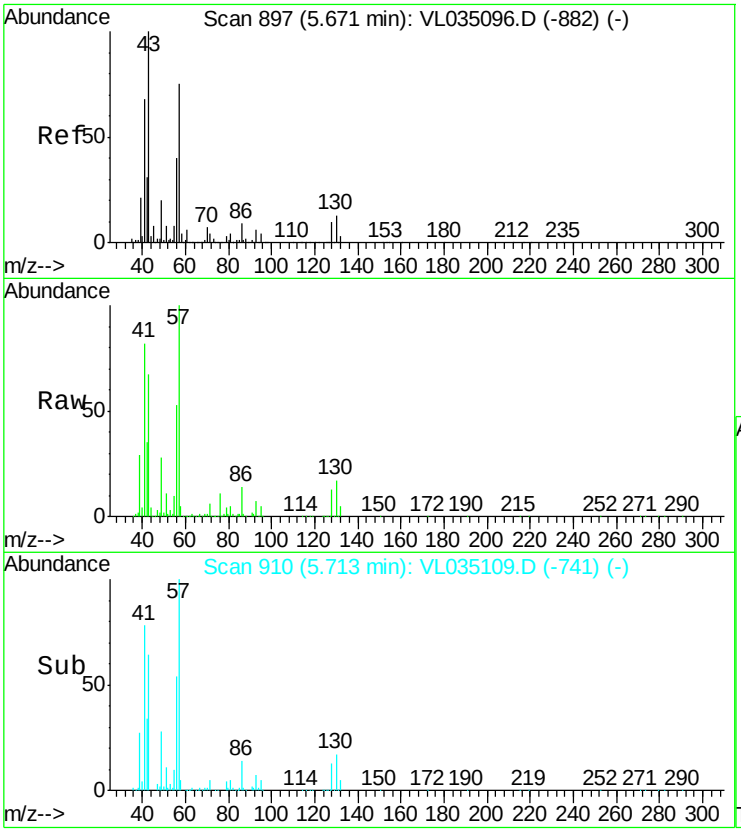


#20
Methylene Chloride
Concen: 35.891 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 84 Resp: 2223117

Ion	Ratio	Lower	Upper
84	100		
49	147.1	128.8	193.2
51	49.6	38.7	58.1
86	63.6	54.1	81.1

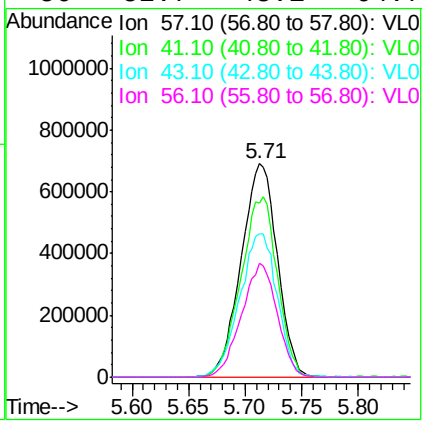




#26
Hexane
Concen: 12.364 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

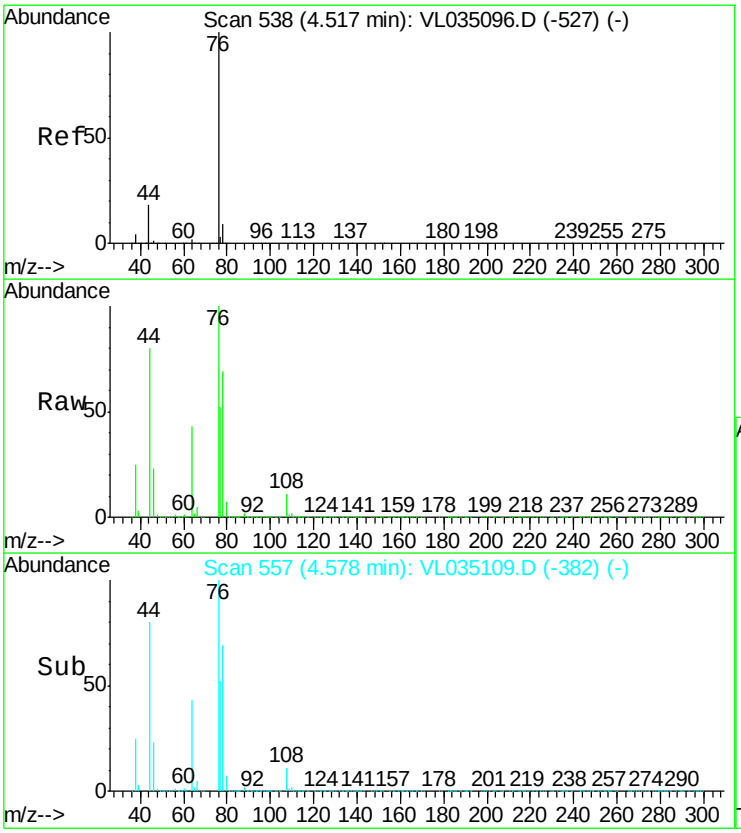
Tgt Ion: 57 Resp: 1539608

Ion	Ratio	Lower	Upper
57	100		
41	85.7	72.9	109.3
43	70.0	181.3	271.9#
56	52.7	43.1	64.7



Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

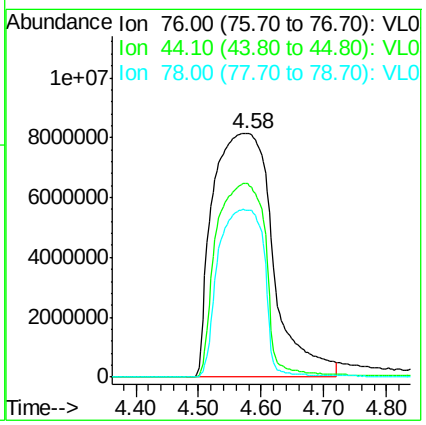
Manual Integrations APPROVED
MMDadoda
6/23/2020 10:59:14 AM

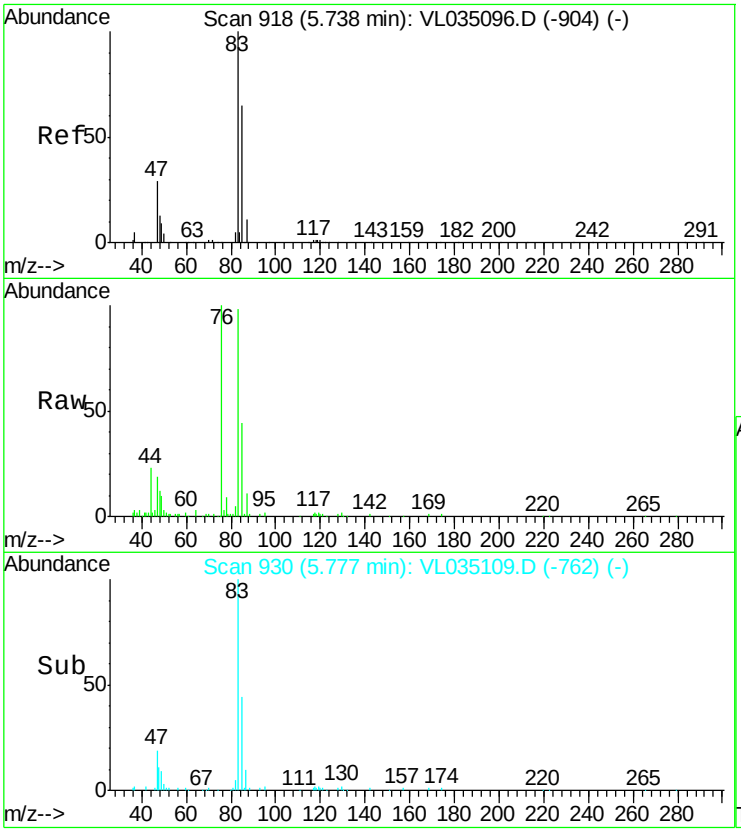


#27
Carbon Disulfide
Concen: 421.866 ppbv
RT: 4.58 min Scan# 557
Delta R.T. 0.06 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 76 Resp:54365739

Ion	Ratio	Lower	Upper
76	100		
44	65.8	15.8	23.8#
78	52.4	7.6	11.4#





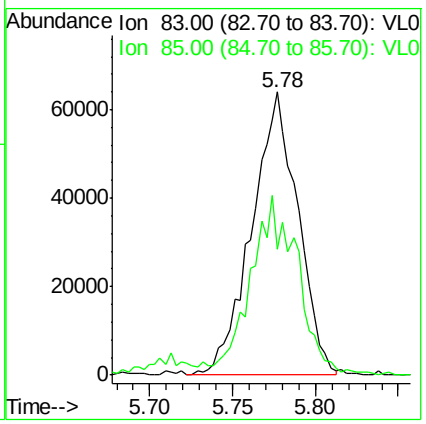
#29
Chloroform
Concen: 0.636 ppbv
RT: 5.78 min Scan# 930
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

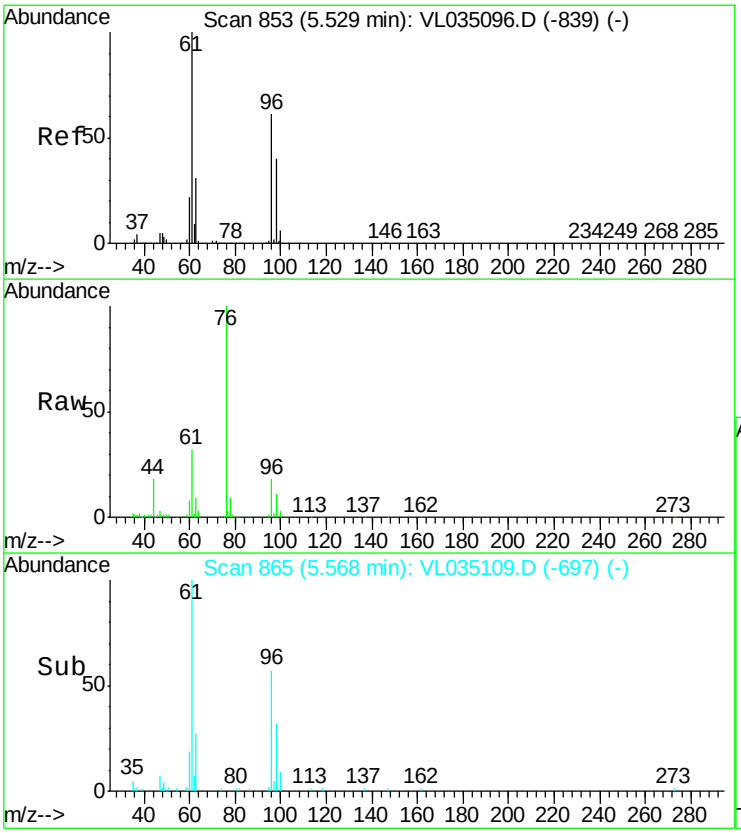
Tgt Ion: 83 Resp: 123968

Ion	Ratio	Lower	Upper
83	100		
85	42.4	52.1	78.1#

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01

Manual Integrations APPROVED
MMDadoda
6/23/2020 10:59:14 AM

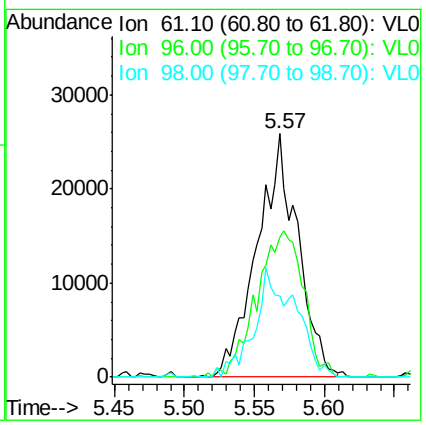


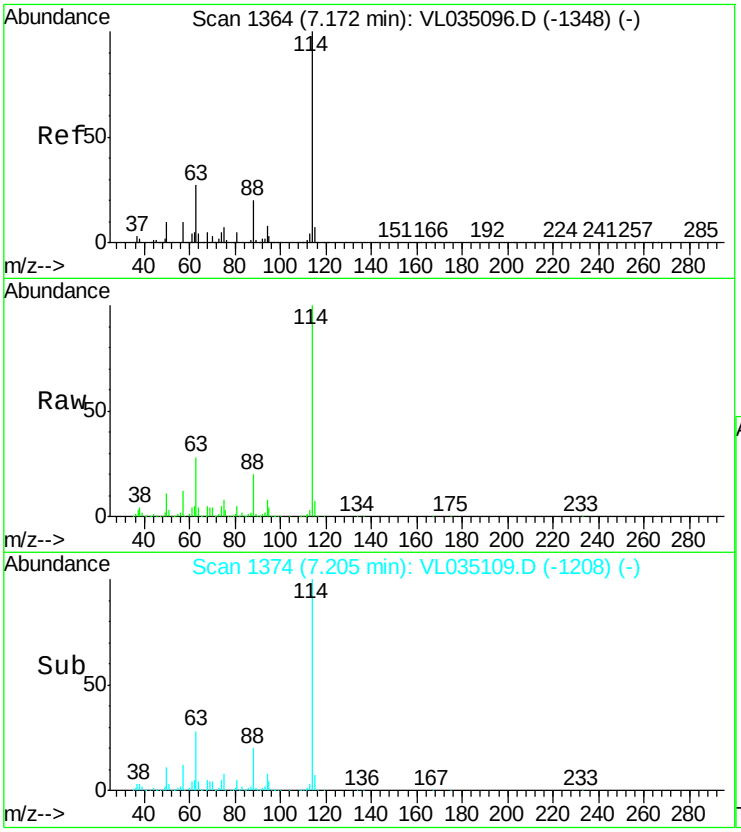


#31
cis-1,2-Dichloroethene
Concen: 0.456 ppbv m
RT: 5.57 min Scan# 865
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 61 Resp: 52342

Ion	Ratio	Lower	Upper
61	100		
96	57.3	48.8	73.2
98	33.2	31.9	47.9

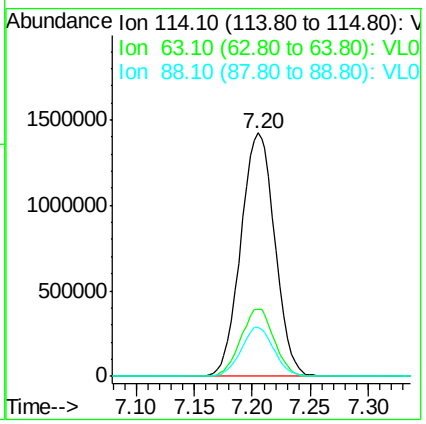




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1374
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:114 Resp: 2914208

Ion	Ratio	Lower	Upper
114	100		
63	27.3	21.9	32.9
88	19.3	15.6	23.4



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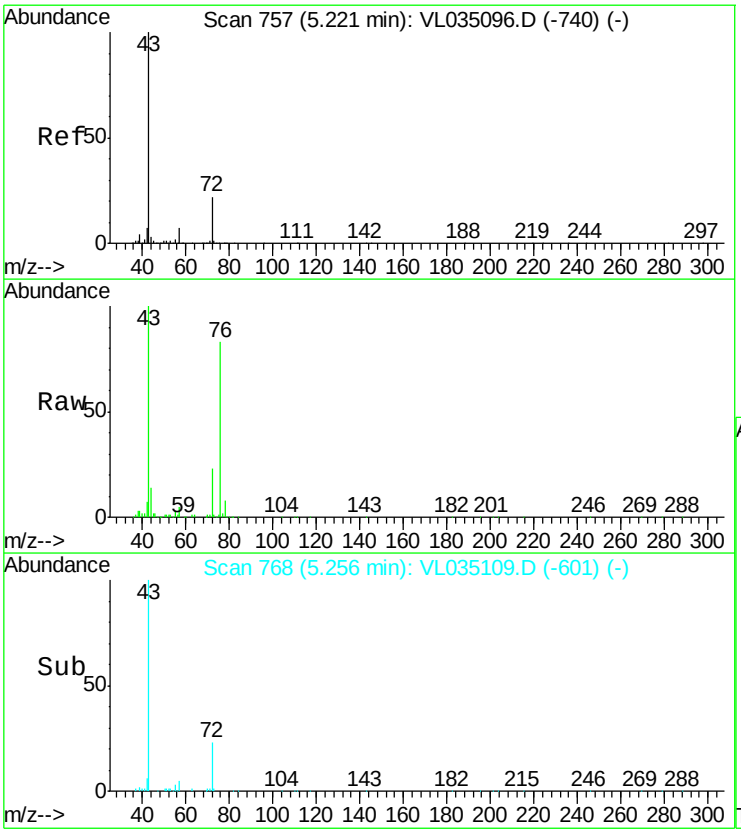
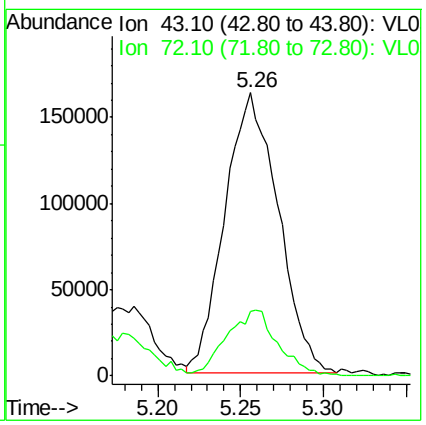
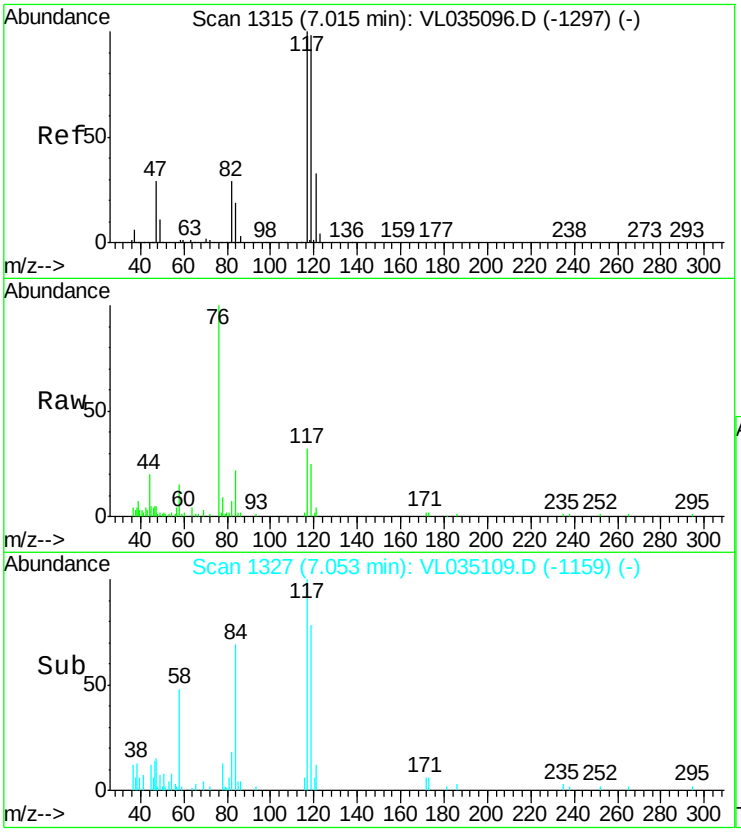


#34
2-Butanone
Concen: 2.189 ppbv
RT: 5.26 min Scan# 768
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 43 Resp: 366398

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.3	27.5

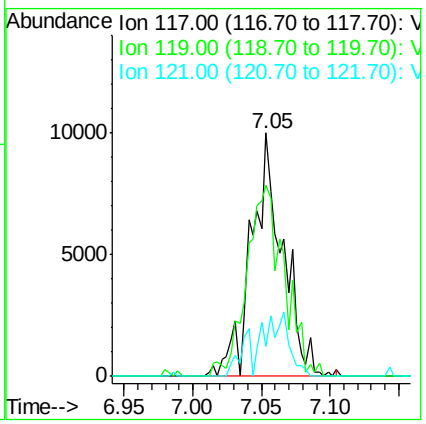




#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 7.05 min Scan# 1327
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:117 Resp: 15834

Ion	Ratio	Lower	Upper
117	100		
119	78.5	78.3	117.5
121	12.4	26.0	39.0#



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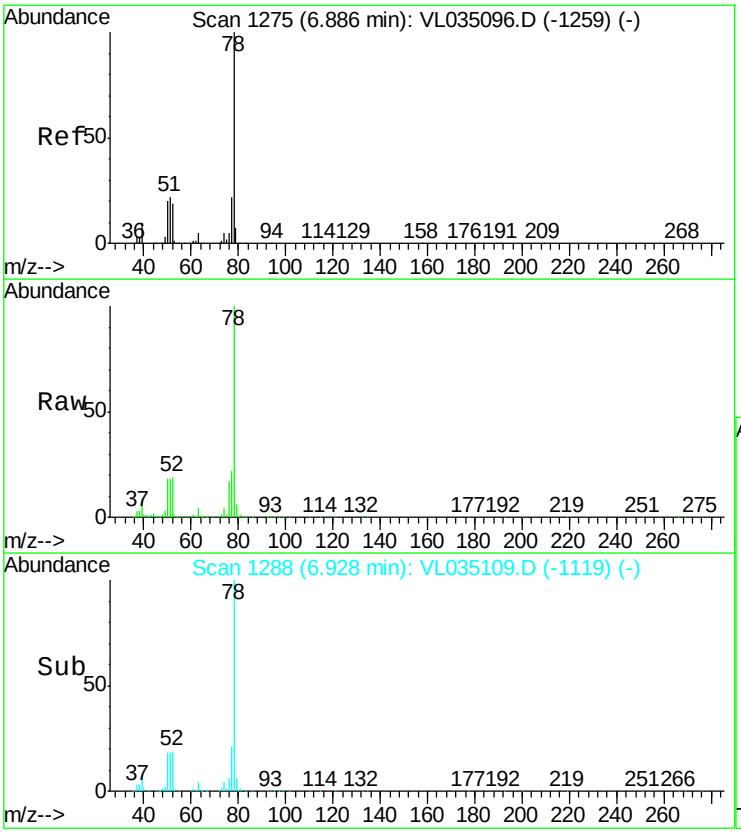
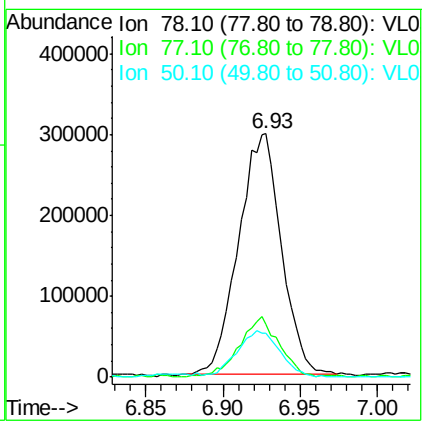
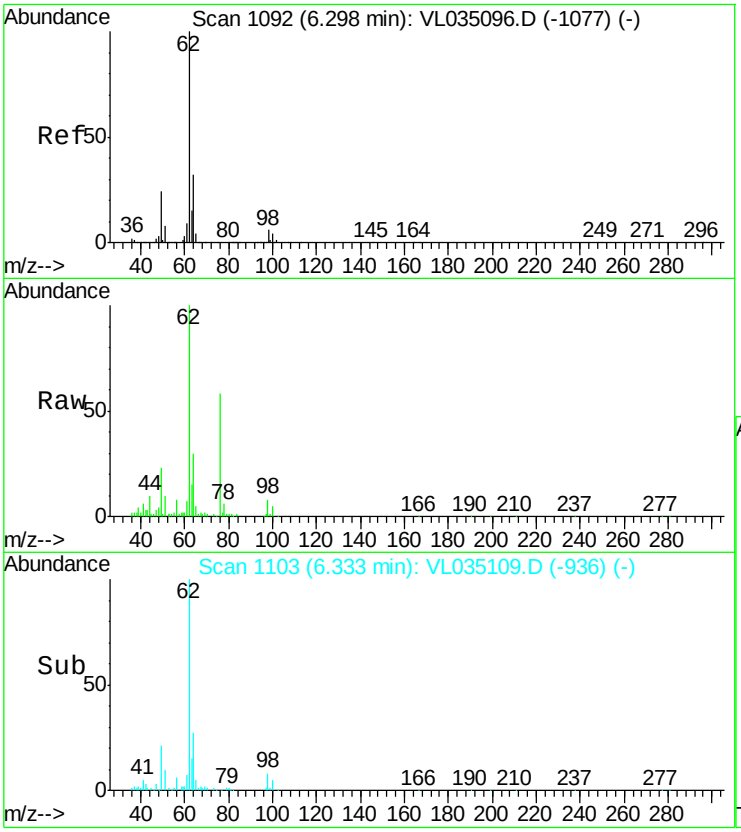


#36
Benzene
Concen: 2.548 ppbv
RT: 6.93 min Scan# 1288
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 78 Resp: 575027

Ion	Ratio	Lower	Upper
78	100		
77	21.9	17.8	26.6
50	18.1	16.2	24.2

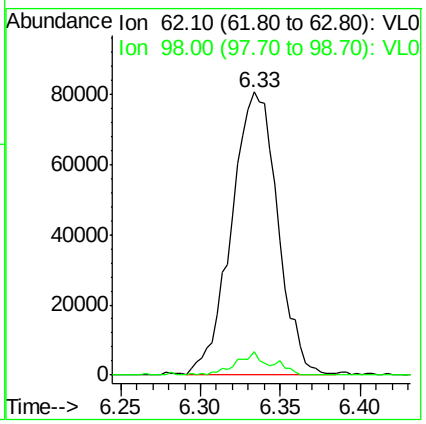




#37
1,2-Dichloroethane
Concen: 1.100 ppbv
RT: 6.33 min Scan# 1103
Delta R.T. 0.04 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 62 Resp: 156907

Ion	Ratio	Lower	Upper
62	100		
98	6.5	4.8	7.2



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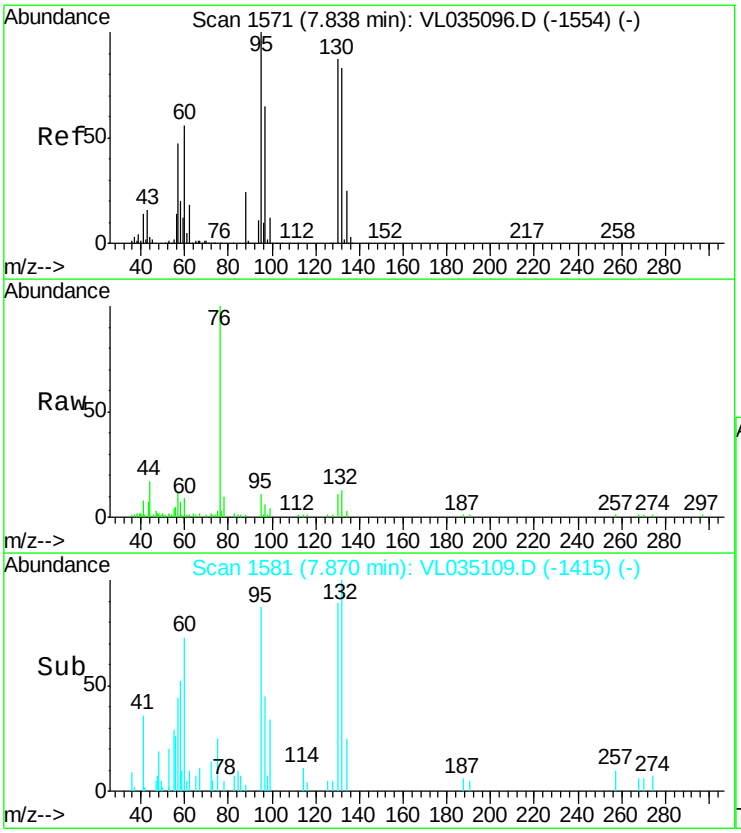
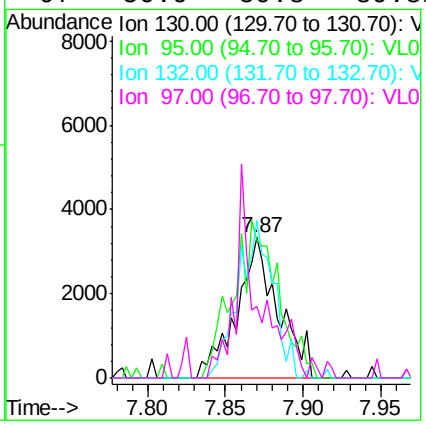
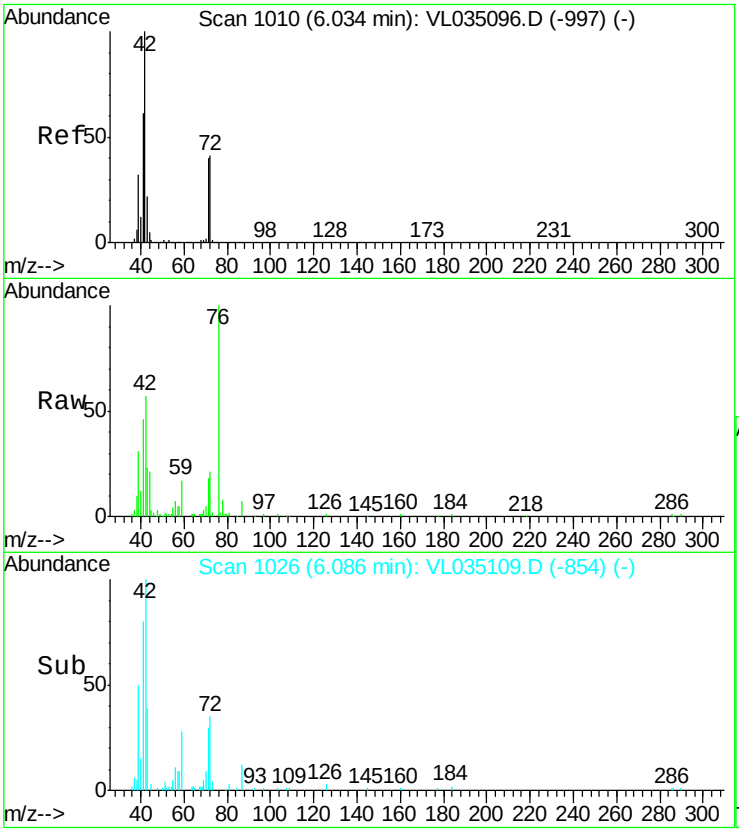


#38
Trichloroethene
Concen: 0.070 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:130 Resp: 6149

Ion	Ratio	Lower	Upper
130	100		
95	98.4	91.4	137.2
132	112.5	75.8	113.6
97	50.9	59.8	89.8#

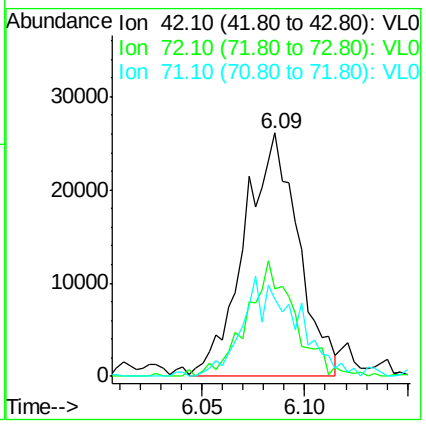




#41
Tetrahydrofuran
Concen: 0.560 ppbv m
RT: 6.09 min Scan# 1026
Delta R.T. 0.05 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 42 Resp: 47844

Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.4	50.2#
71	42.6	31.8	47.6



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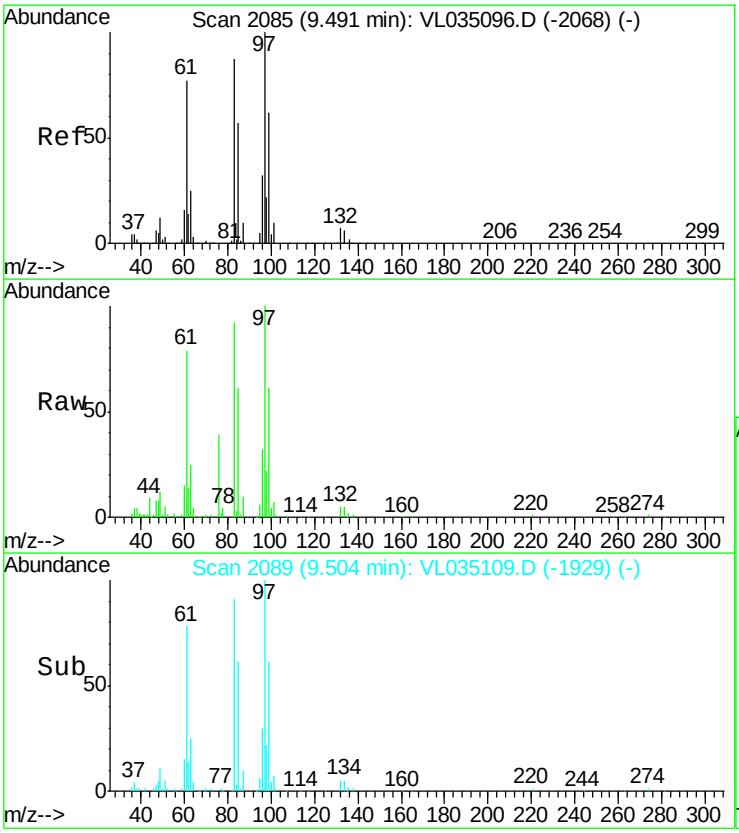
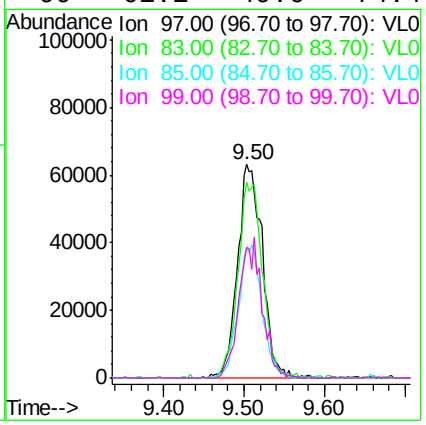
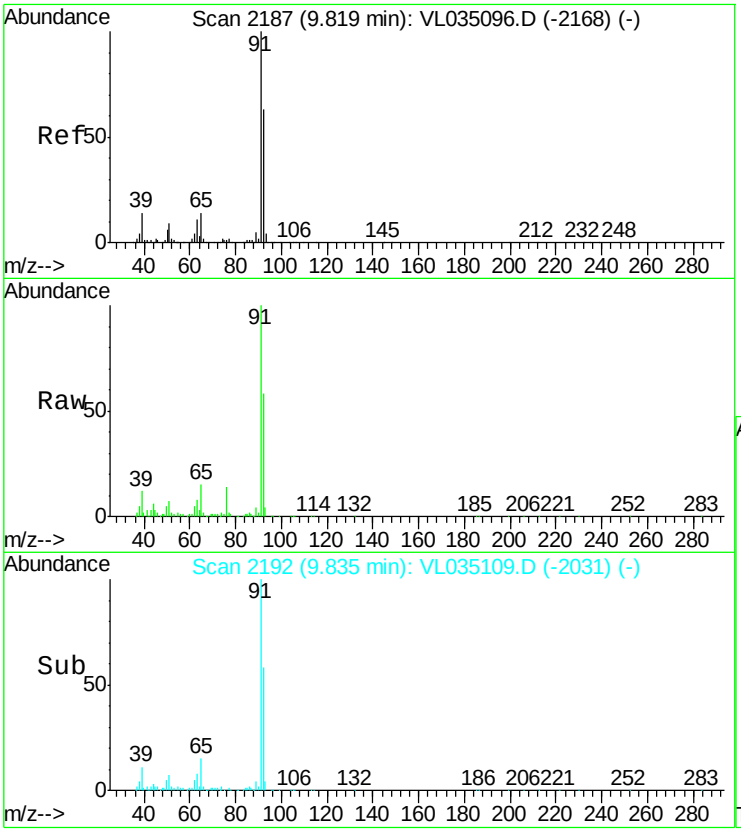


#47
1,1,2-Trichloroethane
Concen: 1.412 ppbv m
RT: 9.50 min Scan# 2089
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 97 Resp: 135970

Ion	Ratio	Lower	Upper
97	100		
83	91.7	69.5	104.3
85	61.0	46.0	69.0
99	61.1	49.6	74.4

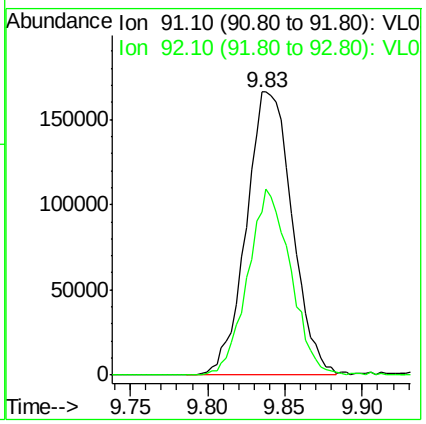




#53
Toluene
Concen: 1.419 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.02 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 91 Resp: 341562

Ion	Ratio	Lower	Upper
91	100		
92	62.0	49.0	73.6



Instrument :
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ClientSampleId :
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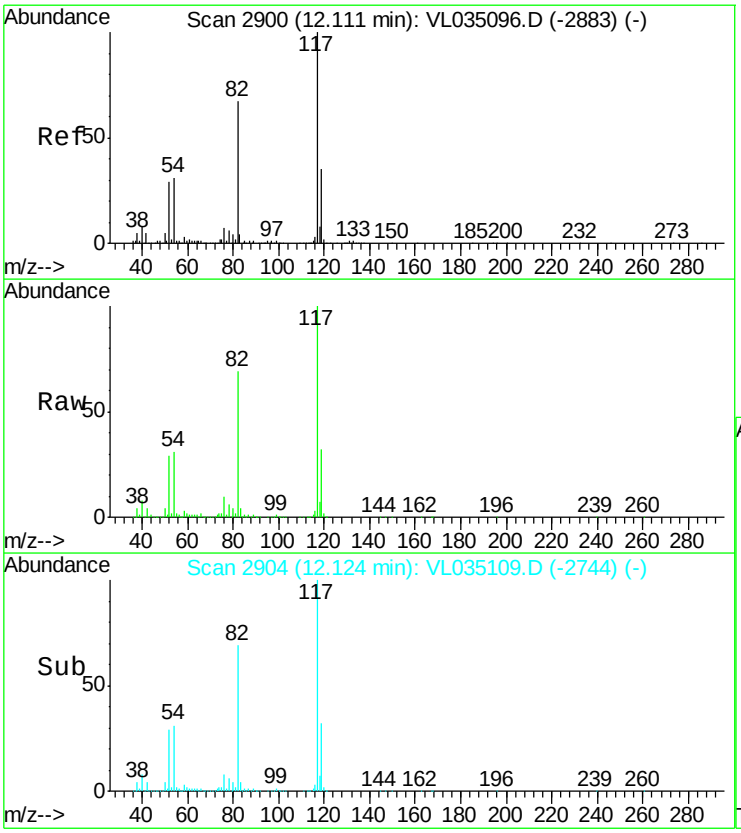
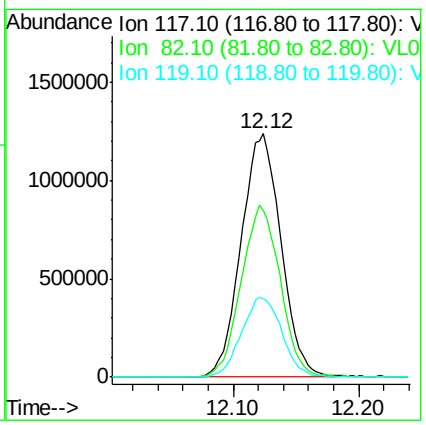
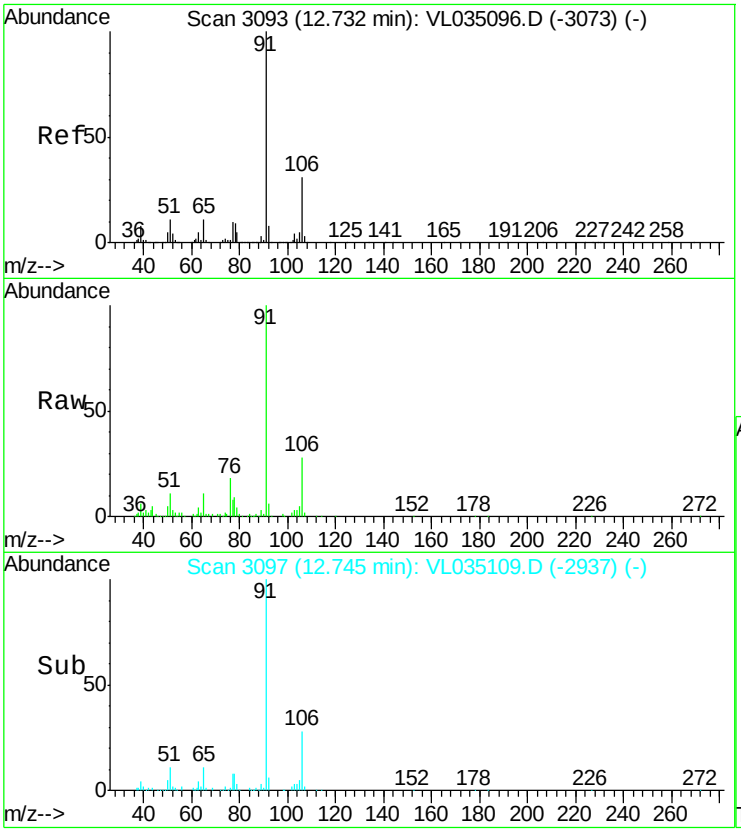


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:117 Resp: 2734493

Ion	Ratio	Lower	Upper
117	100		
82	69.6	50.4	75.6
119	33.4	25.4	38.0

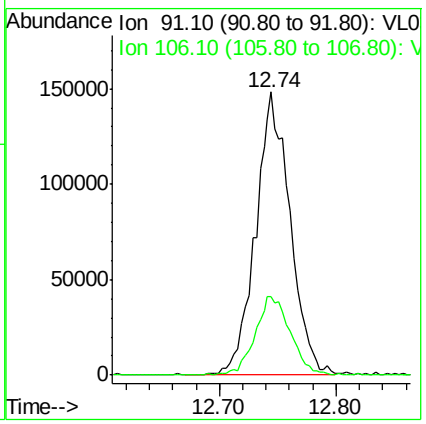




#58
Ethyl Benzene
Concen: 0.990 ppbv m
RT: 12.74 min Scan# 3097
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 91 Resp: 304192

Ion	Ratio	Lower	Upper
91	100		
106	27.8	25.0	37.6



Instrument :
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ClientSampleId :
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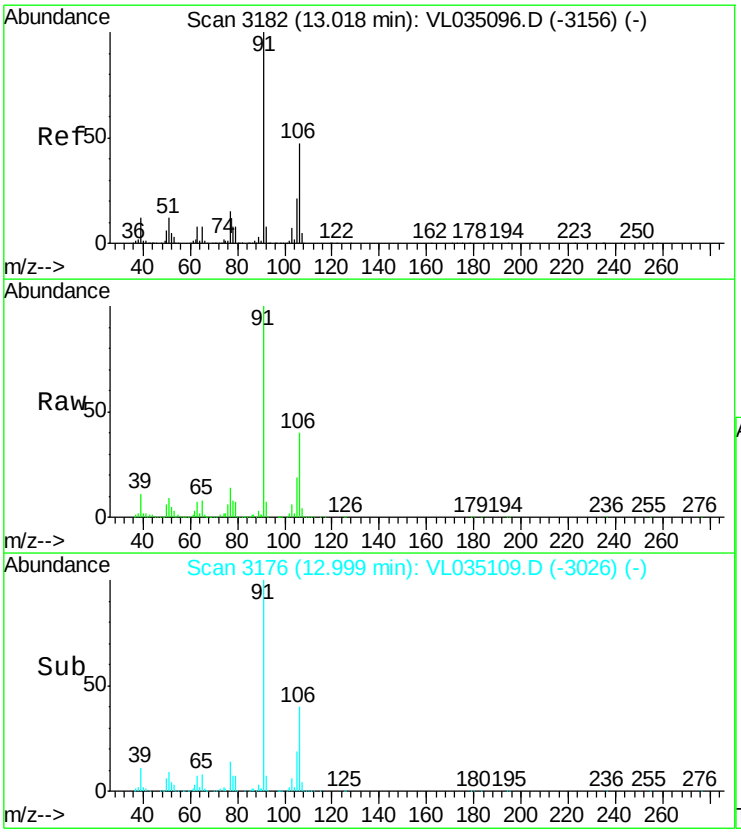
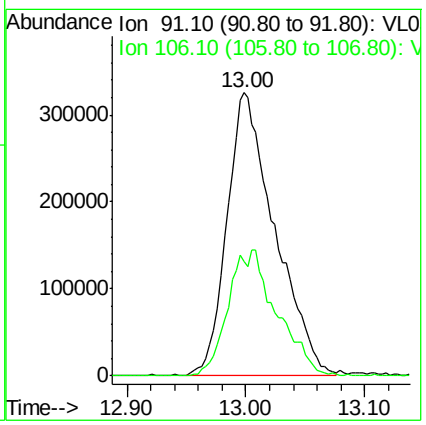
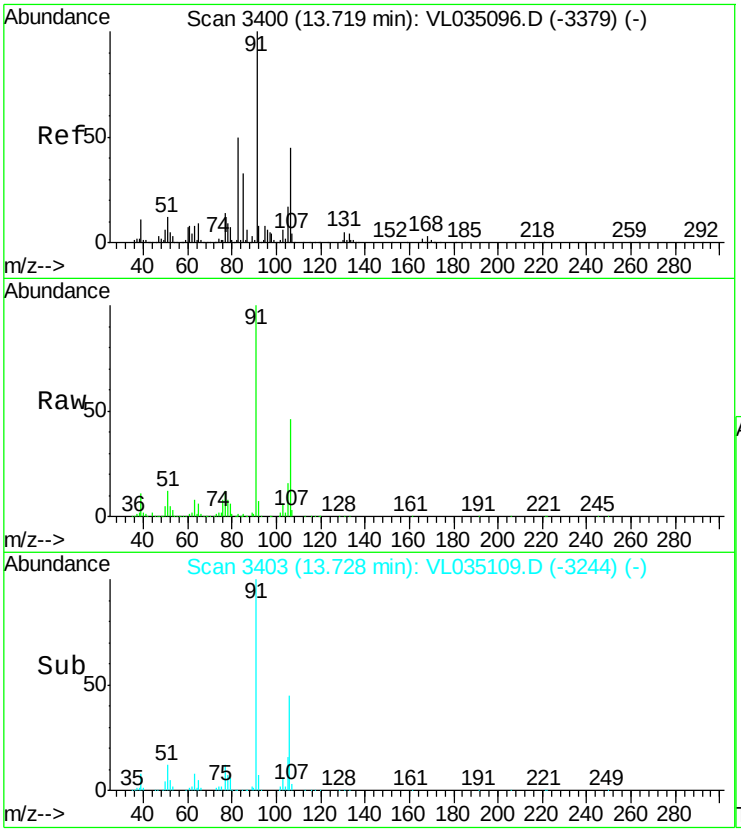


#59
m/p-Xylene
Concen: 3.304 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. -0.02 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 91 Resp: 899751

Ion	Ratio	Lower	Upper
91	100		
106	45.7	36.5	54.7

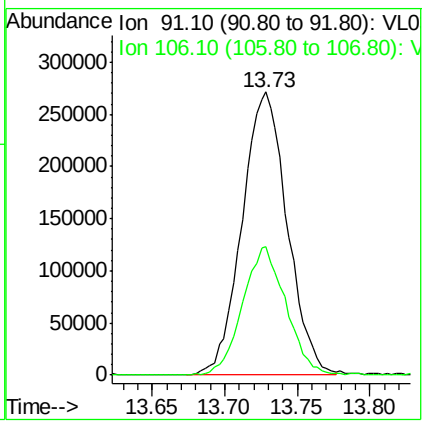




#60
o-Xylene
Concen: 2.166 ppbv
RT: 13.73 min Scan# 3403
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 91 Resp: 587077

Ion	Ratio	Lower	Upper
91	100		
106	43.6	22.1	66.5



Instrument :
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ClientSampleId :
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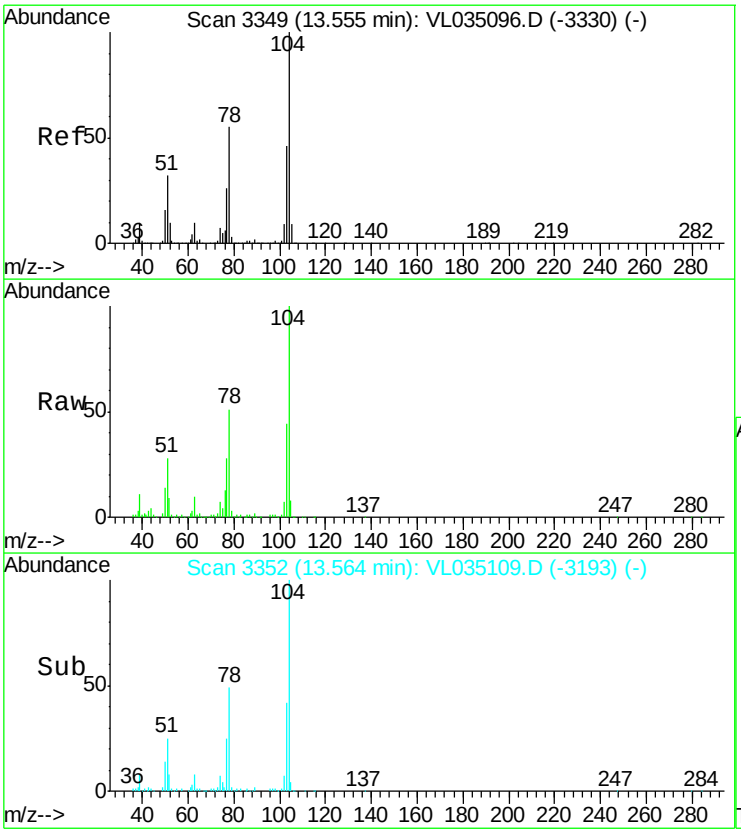
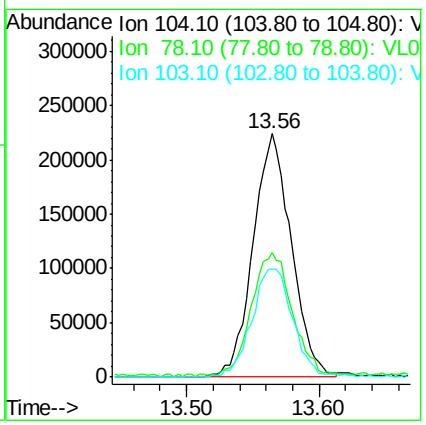
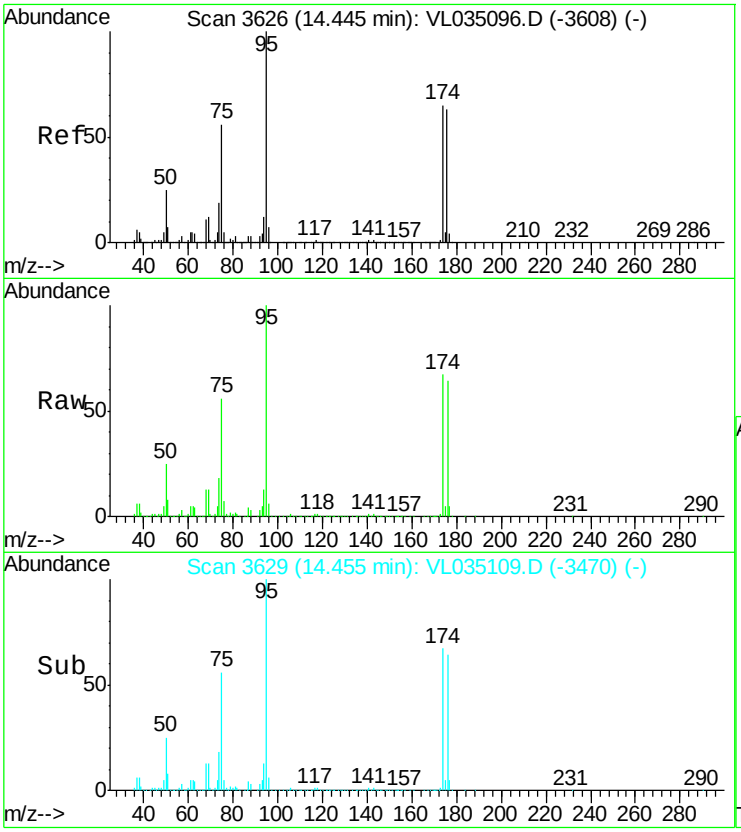


#61
Styrene
Concen: 2.629 ppbv
RT: 13.56 min Scan# 3352
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:104 Resp: 448521

Ion	Ratio	Lower	Upper
104	100		
78	54.0	43.4	65.0
103	48.2	38.3	57.5

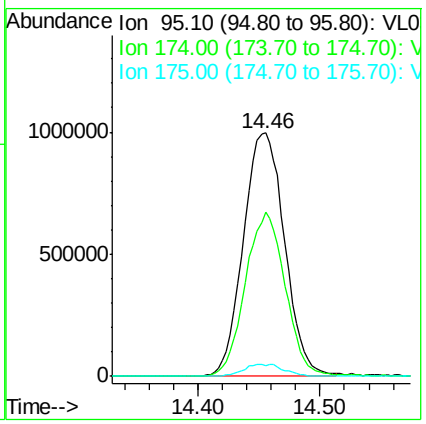




#68
1-Bromo-4-Fluorobenzene
Concen: 10.242 ppbv
RT: 14.46 min Scan# 3629
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion: 95 Resp: 2326562

Ion	Ratio	Lower	Upper
95	100		
174	65.6	52.2	78.2
175	4.9	4.0	6.0



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ClientSampleId :
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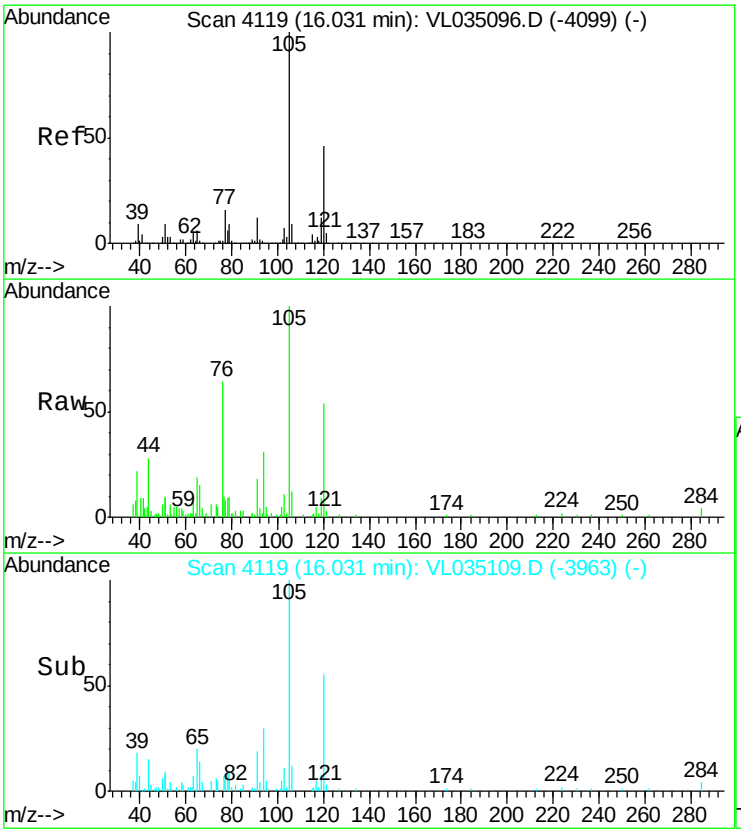
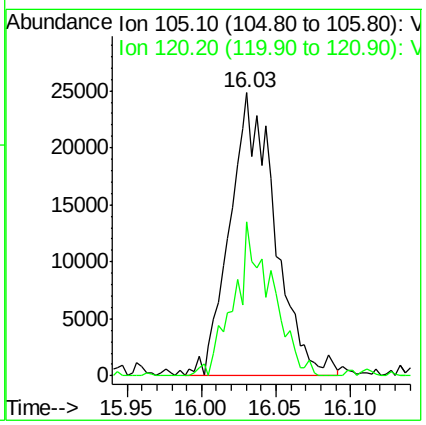
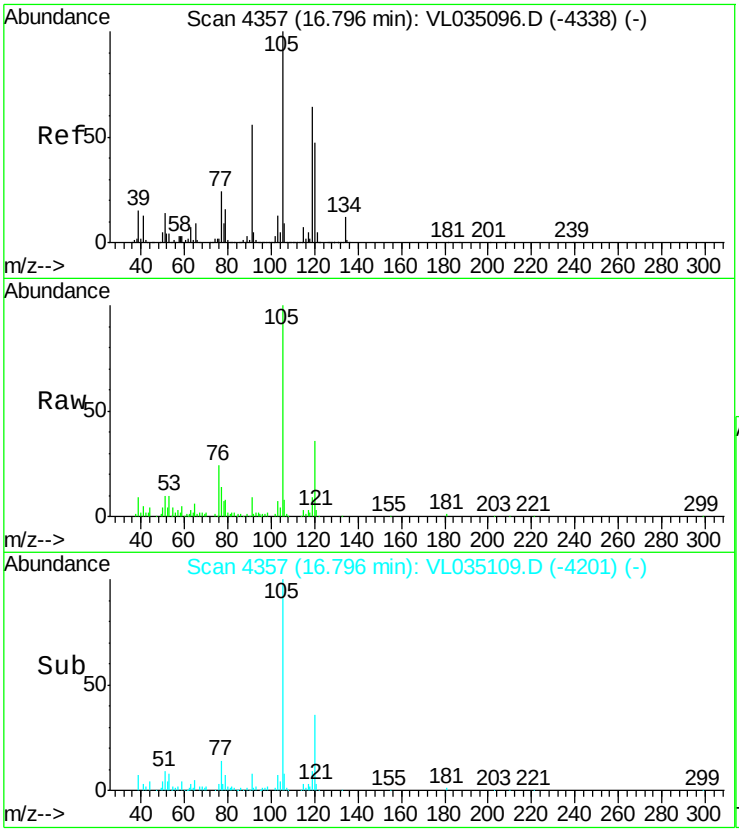


#73
1,3,5-Trimethylbenzene
Concen: 0.183 ppbv m
RT: 16.03 min Scan# 4119
Delta R.T. 0.00 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:105 Resp: 52112

Ion	Ratio	Lower	Upper
105	100		
120	54.5	37.0	55.6

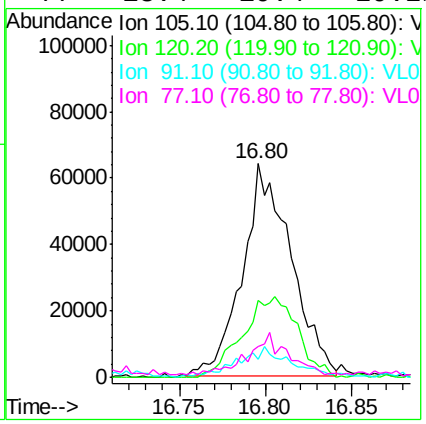




#74
1,2,4-Trimethylbenzene
Concen: 0.394 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.00 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:105 Resp: 125203

Ion	Ratio	Lower	Upper
105	100		
120	36.1	37.9	56.9#
91	7.7	46.0	69.0#
77	13.4	19.4	29.2#



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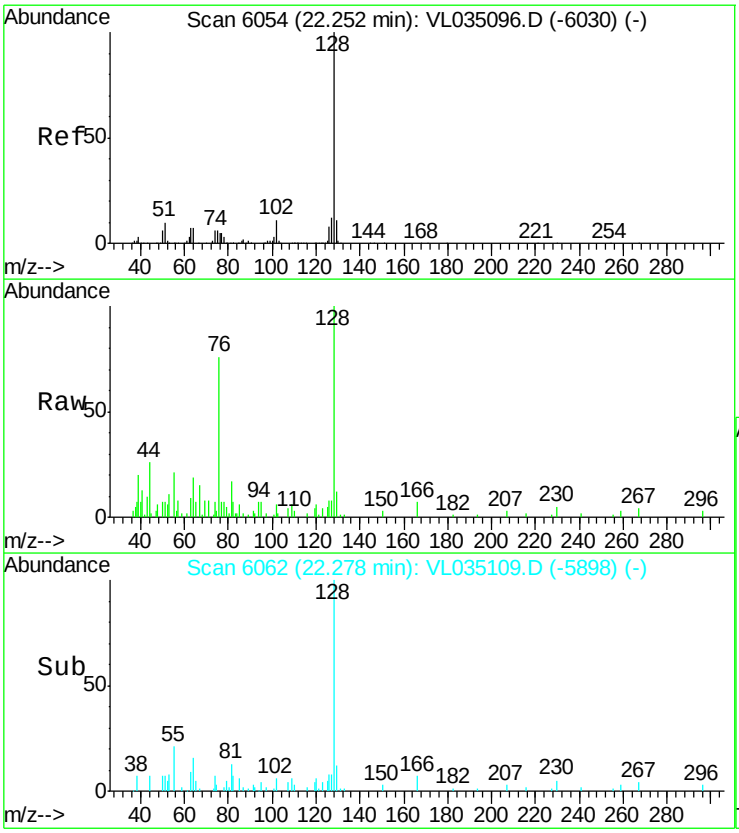
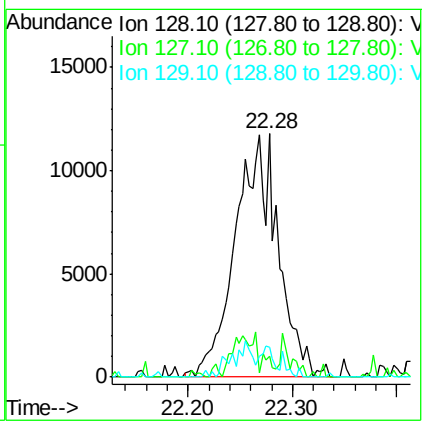
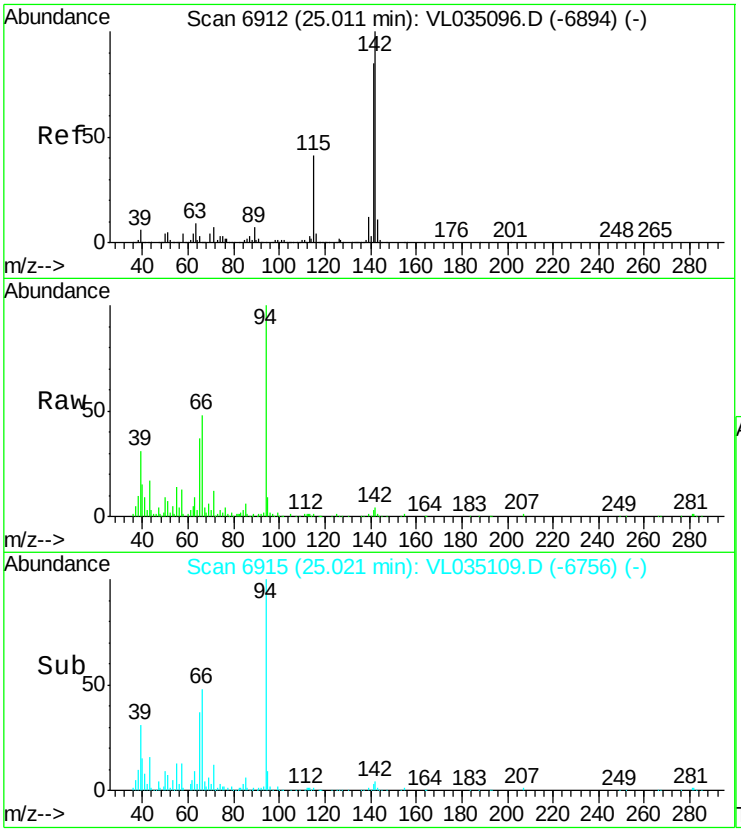


#79
Naphthalene
Concen: 0.120 ppbv m
RT: 22.28 min Scan# 6062
Delta R.T. 0.03 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:128 Resp: 33346

Ion	Ratio	Lower	Upper
128	100		
127	8.3	9.9	14.9#
129	12.4	9.0	13.4

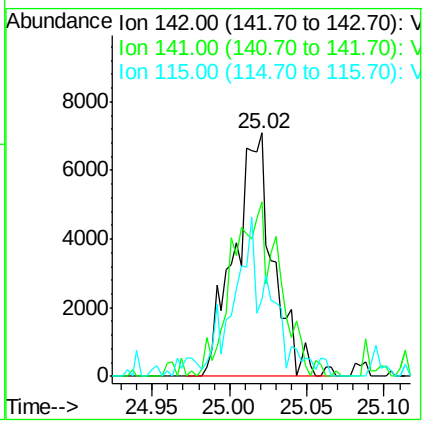




#80
Naphthalene,2-methyl-
Concen: 0.116 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL035109.D
Acq: 22 Jun 2020 13:40

Tgt Ion:142 Resp: 12368

Ion	Ratio	Lower	Upper
142	100		
141	89.0	67.5	101.3
115	67.1	33.8	50.8#



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